

From: Industry Super Network
<admin=industrysuper.com@createsend4.com> on behalf of
Industry Super Network <admin@industrysuper.com>

Sent: Thursday, 15 November 2012 12:08 PM

To: Gallagher, Phil

Subject: Announcement: The Hon Steve Bracks AC, Chair; The Hon Peter Collins
AM QC, Deputy Chair

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15 November 2012



New Chair and Deputy Chair for Industry Super Network

The Honourable Steve Bracks AC, former Premier of Victoria, has today been announced as Chair of the Industry Super Network Board.

The Honourable Peter Collins AM QC, former Minister for Health, Attorney General and Treasurer of the NSW Parliament has been announced as Deputy Chair of the Board.

David Whiteley, Chief Executive, ISN said that he is delighted to welcome Mr Bracks and Mr Collins to their respective roles on the ISN Board.

“At ISN, our mission is to maximise the retirement savings and income of more than five million Industry SuperFund members. We are honoured to have both Mr Bracks and Mr Collins, both of whom have held highly esteemed positions in public office, join us in this important goal.”

Mr Bracks was Premier of Victoria for almost eight years, winning successive elections with large majorities. As Premier, he started rebuilding Victoria’s services and infrastructure whilst maintaining strong budgets and a growing economy.

Mr Bracks now advises the Timor-Leste Prime Minister and several leading Australian finance and service sector corporations. He also acts as the Australian Government's Automotive Envoy. Mr Bracks is Chair of the Board for Industry SuperFund, Cbus.

Mr Collins has had a distinguished career as a Company Director, Parliamentarian, Military and Naval Reserve Officer, Barrister and ABC Journalist. He currently holds a number of directorships with both public and private institutions. Mr Collins is also an Independent Director on the Board of Industry SuperFund, HOSTPLUS.



The Hon Steve Bracks AC



The Hon Peter Collins AM QC

Mr Bracks announces Industry SuperFunds governance and disclosure proposal

In his first public engagement for ISN today, Mr Bracks announced the new Industry SuperFunds governance and disclosure proposal for the superannuation industry.

The proposal recommends universal governance and disclosure standards for the entire super industry, including the disclosure of director information and remuneration, fees paid to material professional and financial service providers, and related party transactions. It also calls for integrity in business conduct, in particular that related party transactions be made at 'arm's length'.

Mr Bracks commented that industry super funds have always worked in the best interests of members and that this included striving to achieve good governance practices. However, as the system matures, in order to ensure member confidence and trust in super, a system-wide approach was required.

"Improved governance and disclosure arrangements across the super industry are imperative for public accountability," he said. "It is therefore necessary that the law require a level of transparency and integrity from the system that is consistent with the public interest and that will match the anticipated growth of the industry in future."

Mr Bracks emphasised that it was important that any standards legislated by present or future Governments apply to all parts of the super system - not just super funds and trustees - given that much of Australia's super system was based on an outsourcing model.

"Australia's compulsory superannuation system relies on a constellation of service providers and this demands accountability and transparency from the entire system," he said.

"We are calling for uniform disclosure standards to be legislated across all parts of the super industry – including investment managers and other material service providers."

This year, several industry super funds raised their levels of disclosure in their 2011/12 Annual Reports.

Mr Bracks said that such improvements in disclosure were to be commended and showed leadership in the industry at a time when it was greatly needed.

“Industry SuperFunds are committed to best practice governance and disclosure arrangements that will enhance member confidence and help strengthen the system for future generations.

“The governance and disclosure recommendations we are proposing today go above and beyond what is currently being considered.

“ISN will work with the Government, the Opposition, the Independents, the Greens, regulators and industry to further develop recommendations in this proposal.”

The Industry SuperFunds governance and disclosure proposal is available [here](#).

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This email was sent by Industry Super Network (ISN)

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From: Industry Super Network
<dbruce=industrysUPER.com@createsend4.com> on behalf of
Industry Super Network <dbruce@industrysUPER.com>

Sent: Tuesday, 28 May 2013 11:15 AM

To: Gallagher, Phil

Subject: Building Australia: Super investment initiative

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REPORT LAUNCHED Building Australia: Super investment initiative

Dear Colleague,

We've just let people know that Industry SuperFunds could make up to \$15 billion available over the next few years to help governments deal with Australia's infrastructure challenge.

It's a bold step for a big problem. And if other super funds invested at the same level as us, there could be as much as up to \$100 billion extra. Now that would go a long way to securing a better future for us all.

The **Building Australia: Super investment initiative** being launched today by Industry Super Network's Chair and Deputy Chair, The Hon Steve Bracks AC and The Hon Peter Collins AM QC highlighted how Industry SuperFunds have a proud track record as a global pioneer, using retirement savings to invest in critical infrastructure.

Over the last 20 years Industry SuperFunds have grown, becoming one of the biggest direct investors in Australia's most important infrastructure; stuff like roads and ports, airports and railway stations, schools and hospitals.

Not only do these investments provide good, long-term returns for our members, they also strengthen Australia's economy, securing existing jobs and creating new ones.

It has helped put us all on the road to a better future. And, as the nation's superannuation assets increase through population growth and the increase in the Super Guarantee, we could do even more.

Visit the [**Own the road** campaign page](#) to read more and access the full report.



From: Industry Super Network <noreply@industriysuper.com>
Sent: Monday, 20 December 2010 1:27 PM
To: Gallagher, Phil
Subject: Christmas Wishes



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From: Industry Super Network
<admin=industrysuper.com@createsend1.com> on behalf of
Industry Super Network <admin@industrysuper.com>

Sent: Thursday, 6 December 2012 2:25 PM

To: Gallagher, Phil

Subject: Economic Report by Dr Sacha Vidler - The lidless eye

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6 December 2012



ECONOMIC REPORT

The lidless eye

By Dr Sacha Vidler, Chief Economist, Industry Super Network

Like Sauron's lidless, fiery eye the gaze of the global financial media swings here and there, searching, always searching...

In the lead-up to Christmas, its gaze will swing across the Atlantic from the rolling negotiations over the sustainability of Greek, Portuguese and Spanish debt levels to the equally tense negotiations in the US between Democrats and Republicans about whether to fall, abseil or build a bridge (to nowhere?) from the edge of the impending 'fiscal cliff'.

I suppose it is a sign of the intimate connectedness of financial markets that we in Australia should even need to know about such things. But we do.



So what is the fiscal cliff? Does it have anything to do with the 'debt ceiling' we heard so much about last year? And how does it relate to QE3 – the now forgotten policy experiment which weeks ago received the media's closest attention?

The fiscal cliff and the debt ceiling

Though both are spacial metaphors applying to the US Federal budget, the connection between the two is pretty limited.

The debt ceiling featured in protracted coverage of negotiations over the 2011 budget – which was blocked by the Republican controlled House. Normally the debt ceiling (an actual legal limit expressed in dollars – currently \$16.394 trillion – on the total debt of the US Federal Government) is raised, if necessary, as a formality. In this case it became a political tool of the Republicans to focus attention on public spending. The refusal to pass the budget (and raise the debt ceiling) was genuinely dramatic because if the US Treasury is unable to issue new debt to rollover existing securities it would have eventually lead to US Government default, an event with seismic repercussions for global finance.

Eventually, through the passing of the Budget Control Act of 2011, the budget was passed and the ceiling raised. The link between the debt ceiling and the fiscal cliff is that some spending measures supported in that law end at 31 December 2013.

The fiscal cliff is the name given in the US to an abrupt drop in net spending by Government. It is a feature of the US political and economic landscape because spending and tax laws often have fixed durations, before ceasing altogether or reverting to some other default position. A fiscal cliff will be reached at the end of the calendar year, effectively reducing net US Government spending by around \$600 billion, when the time horizons are reached on a set of laws.

The current rate of build-up of public debt in the US is unsustainable, which begs the question: 'why is a scheduled improvement in the Government budget seen as such a problem?' The reason is that the US economy is just barely in recovery mode after the Great Recession, so, whatever the long-term prognosis, any reduction in demand will have a real and unwelcome economic effect in the here and now.

As ISN's inaugural [Economic Report – A Sea of QE](#) shows, US unemployment is now only just below 8 per cent (not counting an estimated 4 million discouraged from looking for work altogether). The housing market and consumer confidence are also just turning the corner after a four year hiatus following the GFC. The stock market is up as well – although as is discussed below that may be as much due to the boundless liquidity supplied by the Federal Reserve as to strong corporate earnings.

The Congressional Budget Office (CBO) estimates that the fiscal cliff will see the Government budget head back towards balance by 2015, but reduce GDP by 0.5 per cent in 2013 and see unemployment climb back above 9 per cent. A Credit Suisse research paper has found that the fiscal cliff is expected to influence some investment decisions, but interestingly, not more than news of economic growth slowing in China and the Euro zone.

The fiscal cliff and QE3

Representatives of the Federal Reserve are talking publicly about the need for movement on the fiscal cliff (e.g. on 14 November, John Williams, CEO of the San Francisco Federal Reserve). The reason for this is immediately apparent when considered in the context of QE3.

The Federal Reserve, via QE3, is currently running the most aggressively expansionary monetary policy in history to support economic growth, boost employment and prevent deflation of the currency. It is following up a \$2 trillion increase in its balance sheet since the GFC – the result of it buying financial assets including mortgage backed securities – with an open ended commitment to buy long term debt securities for as long as it takes to get and keep market interest rates low.

The scale and importance of this activity is difficult to comprehend. The Federal Reserve's buying is equivalent to half the new debt created in the US currently. It is single-handedly keeping the US financial system afloat, and similar efforts are being employed by the Fed's counterparts in the UK, Europe and Japan.

So with the Fed pushing the 'pedal to the metal' on monetary policy and getting some (albeit limited) traction, the prospect of The Federal Government jamming on the brakes with fiscal policy is a source of real frustration.

A political process

The policy impacts of the laws in question are non-trivial. Scheduled to end are:

1. a 2 per cent payroll tax cut – which boosts employment at the margin
2. extended unemployment benefits – which reduce poverty and directly boost consumer demand
3. enhanced Medicare reimbursement rates – supporting the availability of public healthcare for retirees
4. the Bush tax cuts – which apply to all but particularly benefit the wealthy
5. new taxes to fund Obamacare
6. defence spending of \$55 billion.

These automatic changes lie at the crossroads of economic and public policy in the US. It is no surprise then that there is a significant difference of opinion between the major parties, and in some cases among, party leaders, on the best way forward.

A long game of Texas hold'em

No one really wants to be held responsible for sending the country back into recession. But the incentives for the negotiators are complicated. Each side of politics has their own strongly held set of beliefs about the best way to achieve improved and sustainable economic performance.

Like a game of poker, where the stakes run into the trillions, the political leaders are making no substantial revelations, hoping to bluff their opponents into early concessions.

Congress and the House are in session until Friday December 14th.

Read Dr Sacha Vidler's [Economic Report – A Sea of QE](#).

The opinions expressed in this article are those of the author and do not necessarily reflect the opinions or views of Industry Super Network or the industry super funds that it represents.

This email was sent by Industry Super Network (ISN)

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From: Gallagher, Phil
Sent: Tuesday, 13 December 2011 8:23 PM
To: s47F @industrysUPER.com
Subject: FW: IGR mortality rates and probabilities of living to a certain age [SEC=UNCLASSIFIED]
Attachments: IGR_Mortality_Rates.xlsm

From: Gallagher, Phil
Sent: Tuesday, 13 December 2011 8:16 PM
To: s47F @challenger.com.au'
Cc: s47F @superannuation.asn.au'; s47F @fsc.org.au'; s47F @industrysUPER.com.au'; Brake, Roger; s22
Subject: IGR mortality rates and probabilities of living to a certain age [SEC=UNCLASSIFIED]

s47F

As requested, the attached spreadsheet gives the detailed IGR mortality and life expectancy tables, along with a description of RIM's methodology for modelling them.

The spreadsheet also includes tables on the probability of living to age 90, or 85 etc. You thought that this material might be useful in ASFA training material on longevity and retirement products. For example, a female aged 65 had a 41% chance of making 90 in 2010, and in our projections would have a 64% chance in 2050.

As you can see, I have also sent the spreadsheet to the main research people at ASFA, FSC and ISN.

I look forward to seeing you tomorrow.

Phil Gallagher

Worksheet title:

Alternate Worksheet titles:

Contact:

Phone:

Unit:

Alternate contact:

Worksheet last updated:

Data last updated:

Data sources:

Worksheet current until:

Upcoming data releases:

Worksheet versions:

Recent uses:

Published footnotes/source:

Notes:

Worksheet summary details

IGR_Mortality_Rates

Mortality rate assumptions used in 2010 IGR for David Cox at Challenger

s 22

Retirement and Intergenerational Modelling and Analysis, The Treasury, Canberra
Phil Gallagher (02 6263 3945)

12th December 2011

19th November 2010

Historical Life Tables: ABS, "Australian Historical Population Statistics", Cat. no. 3105.0.65.001
ABS, "Life Tables, Australia, 2007–2009", Catalogue No 3302.0.55.001
Special data request from ABS

Australian Life Table 2008 - Males

Males										
Age x	The number of persons surviving to exact age x l_x	The proportion of persons dying between exact age x and exact age x + 1 q_x	The number of persons dying between exact age x and exact age x + 1 d_x	The force (or instantaneous rate) of mortality at exact age x μ_x	Infant factors	The complete expectation of life of persons aged exactly x e_x^0	The total number of years of life experienced after age x by l_x persons aged exactly x T_x	The total number of years of life experienced between age x and age (x + 1) by l_x persons aged exactly x L_x	Probability of person aged x dying before reaching age x + 1 Q_x	
0	100,000	0.004864	486		0.13315	79.34	7,933,765	99,578	0.00428	
1	99,514	0.000401	40		0.46920	78.72	7,834,187	99,492	0.00083	
2	99,474	0.000244	24		0.46950	77.76	7,734,694	99,461	0.00021	
3	99,449	0.000183	18	0.00020		76.78	7,635,233	99,440	0.00016	
4	99,431	0.000140	14	0.00016		75.79	7,535,794	99,424	0.00013	
5	99,417	0.000122	12	0.00013		74.80	7,436,369	99,411	0.00012	
6	99,405	0.000110	11	0.00012		73.81	7,336,958	99,400	0.00011	
7	99,394	0.000101	10	0.00011		72.82	7,237,559	99,389	0.00010	
8	99,384	0.000096	10	0.00010		71.82	7,138,169	99,379	0.00009	
9	99,375	0.000093	9	0.00009		70.83	7,038,790	99,370	0.00009	
10	99,365	0.000094	9	0.00009		69.84	6,939,420	99,361	0.00010	
11	99,356	0.000098	10	0.00010		68.84	6,840,059	99,351	0.00010	
12	99,346	0.000105	10	0.00010		67.85	6,740,708	99,341	0.00012	
13	99,336	0.000126	13	0.00011		66.86	6,641,366	99,330	0.00015	
14	99,323	0.000170	17	0.00014		65.87	6,542,037	99,315	0.00021	
15	99,306	0.000256	25	0.00021		64.88	6,442,721	99,295	0.00031	
16	99,281	0.000366	36	0.00031		63.89	6,343,427	99,264	0.00041	
17	99,245	0.000459	46	0.00041		62.92	6,244,163	99,223	0.00051	
18	99,199	0.000555	55	0.00051		61.95	6,144,940	99,172	0.00059	
19	99,144	0.000618	61	0.00059		60.98	6,045,768	99,114	0.00064	
20	99,083	0.000659	65	0.00064		60.02	5,946,655	99,050	0.00067	
21	99,017	0.000680	67	0.00067		59.06	5,847,604	98,984	0.00068	
22	98,950	0.000689	68	0.00069		58.10	5,748,620	98,916	0.00070	
23	98,882	0.000707	70	0.00070		57.14	5,649,704	98,847	0.00072	
24	98,812	0.000733	72	0.00072		56.18	5,550,857	98,776	0.00075	
25	98,740	0.000765	76	0.00075		55.22	5,452,081	98,702	0.00078	
26	98,664	0.000799	79	0.00078		54.26	5,353,379	98,625	0.00082	
27	98,585	0.000833	82	0.00082		53.30	5,254,754	98,544	0.00085	
28	98,503	0.000869	86	0.00085		52.35	5,156,210	98,461	0.00089	
29	98,417	0.000909	89	0.00089		51.39	5,057,749	98,373	0.00093	
30	98,328	0.000950	93	0.00093		50.44	4,959,376	98,282	0.00097	
31	98,235	0.000989	97	0.00097		49.48	4,861,094	98,186	0.00101	
32	98,137	0.001028	101	0.00101		48.53	4,762,908	98,087	0.00105	
33	98,037	0.001066	104	0.00105		47.58	4,664,820	97,985	0.00109	
34	97,932	0.001104	108	0.00109		46.63	4,566,836	97,878	0.00112	
35	97,824	0.001145	112	0.00112		45.68	4,468,957	97,768	0.00117	
36	97,712	0.001188	116	0.00117		44.74	4,371,189	97,654	0.00121	
37	97,596	0.001237	121	0.00121		43.79	4,273,535	97,536	0.00126	
38	97,475	0.001292	126	0.00126		42.84	4,175,999	97,413	0.00132	
39	97,349	0.001355	132	0.00132		41.90	4,078,586	97,284	0.00139	
40	97,217	0.001428	139	0.00139		40.95	3,981,302	97,149	0.00147	
41	97,079	0.001513	147	0.00147		40.01	3,884,153	97,006	0.00156	
42	96,932	0.001611	156	0.00156		39.07	3,787,147	96,854	0.00167	
43	96,775	0.001724	167	0.00167		38.13	3,690,293	96,693	0.00179	
44	96,609	0.001854	179	0.00179		37.20	3,593,600	96,520	0.00193	
45	96,429	0.002002	193	0.00193		36.27	3,497,080	96,334	0.00209	
46	96,236	0.002169	209	0.00208		35.34	3,400,746	96,133	0.00226	
47	96,028	0.002359	226	0.00226		34.41	3,304,612	95,916	0.00246	
48	95,801	0.002571	246	0.00246		33.49	3,208,696	95,680	0.00269	
49	95,555	0.002806	268	0.00269		32.58	3,113,016	95,423	0.00293	
50	95,287	0.003060	292	0.00293		31.67	3,017,594	95,143	0.00319	
51	94,995	0.003323	316	0.00320		30.76	2,922,451	94,839	0.00346	
52	94,679	0.003593	340	0.00346		29.87	2,827,612	94,511	0.00373	
53	94,339	0.003875	366	0.00374		28.97	2,733,100	94,159	0.00403	
54	93,974	0.004178	393	0.00403		28.08	2,638,941	93,780	0.00434	
55	93,581	0.004511	422	0.00435		27.20	2,545,162	93,372	0.00470	
56	93,159	0.004882	455	0.00470		26.32	2,451,789	92,934	0.00509	
57	92,704	0.005301	491	0.00510		25.45	2,358,855	92,462	0.00554	
58	92,213	0.005775	532	0.00554		24.58	2,266,393	91,950	0.00604	
59	91,680	0.006313	579	0.00605		23.72	2,174,443	91,395	0.00662	
60	91,101	0.006924	631	0.00663		22.87	2,083,049	90,791	0.00727	
61	90,471	0.007617	689	0.00728		22.02	1,992,258	90,131	0.00801	
62	89,781	0.008400	754	0.00802		21.19	1,902,127	89,410	0.00884	
63	89,027	0.009281	826	0.00886		20.36	1,812,717	88,620	0.00977	
64	88,201	0.010270	906	0.00981		19.55	1,724,096	87,755	0.01082	
65	87,295	0.011371	993	0.01086		18.74	1,636,341	86,806	0.01197	
66	86,303	0.012574	1,085	0.01203		17.95	1,549,535	85,768	0.01322	
67	85,217	0.013868	1,182	0.01329		17.18	1,463,767	84,635	0.01455	
68	84,036	0.015250	1,282	0.01465		16.41	1,379,133	83,403	0.01600	
69	82,754	0.016761	1,387	0.01611		15.66	1,295,729	82,070	0.01760	
70	81,367	0.018452	1,501	0.01773		14.92	1,213,659	80,626	0.01940	
71	79,866	0.020372	1,627	0.01956		14.19	1,133,033	79,063	0.02146	
72	78,239	0.022572	1,766	0.02165		13.47	1,053,970	77,368	0.02382	
73	76,473	0.025101	1,920	0.02406		12.77	976,602	75,526	0.02653	
74	74,553	0.028006	2,088	0.02684		12.09	901,076	73,524	0.02965	
75	72,465	0.031335	2,271	0.03004		11.42	827,552	71,346	0.03320	
76	70,195	0.035134	2,466	0.03371		10.77	756,206	68,978	0.03725	
77	67,728	0.039448	2,672	0.03791		10.15	687,228	66,410	0.04184	
78	65,057	0.044323	2,884	0.04269		9.54	620,818	63,633	0.04700	
79	62,173	0.049804	3,096	0.04810		8.96	557,185	60,642	0.05279	

Australian Life Table 2008 - Females

Females										
Age x	The number of persons surviving to exact age x l_x	The proportion of persons dying between exact age x and exact age x + 1 q_x	The number of persons dying between exact age x and exact age x + 1 d_x	The force (or instantaneous rate) of mortality at exact age x μ_x	Infant factors	The complete expectation of life of persons aged exactly x e_x^0	The total number of years of life experienced after age x by l_x persons aged exactly x T_x	The total number of years of life experienced between age x and age (x + 1) by l_x persons aged exactly x L_x	Probability of person aged x dying before reaching age x + 1 Q_x	
0	100,000	0.003968	397		0.12275	83.89	8,388,685	99,652	0.00349	
1	99,603	0.000345	34		0.45360	83.22	8,289,034	99,584	0.00021	
2	99,569	0.000156	16		0.46740	82.25	8,189,449	99,561	0.00014	
3	99,553	0.000130	13	0.00013		81.26	8,089,889	99,547	0.00012	
4	99,540	0.000109	11	0.00012		80.27	7,990,342	99,535	0.00010	
5	99,529	0.000096	10	0.00010		79.28	7,890,807	99,525	0.00009	
6	99,520	0.000085	8	0.00009		78.29	7,791,282	99,516	0.00008	
7	99,512	0.000077	8	0.00008		77.30	7,691,767	99,508	0.00008	
8	99,504	0.000073	7	0.00007		76.30	7,592,259	99,500	0.00007	
9	99,497	0.000072	7	0.00007		75.31	7,492,759	99,493	0.00007	
10	99,489	0.000073	7	0.00007		74.31	7,393,266	99,486	0.00008	
11	99,482	0.000078	8	0.00008		73.32	7,293,780	99,478	0.00008	
12	99,474	0.000086	9	0.00008		72.32	7,194,302	99,470	0.00009	
13	99,466	0.000099	10	0.00009		71.33	7,094,832	99,461	0.00011	
14	99,456	0.000125	12	0.00011		70.34	6,995,371	99,450	0.00014	
15	99,443	0.000159	16	0.00014		69.35	6,895,921	99,436	0.00018	
16	99,428	0.000196	20	0.00018		68.36	6,796,485	99,418	0.00021	
17	99,408	0.000230	23	0.00021		67.37	6,697,067	99,397	0.00024	
18	99,385	0.000252	25	0.00024		66.38	6,597,670	99,373	0.00026	
19	99,360	0.000259	26	0.00026		65.40	6,498,297	99,347	0.00026	
20	99,335	0.000256	25	0.00026		64.42	6,398,949	99,322	0.00026	
21	99,309	0.000256	25	0.00026		63.43	6,299,628	99,296	0.00026	
22	99,284	0.000256	25	0.00026		62.45	6,200,331	99,271	0.00026	
23	99,258	0.000265	26	0.00026		61.47	6,101,060	99,245	0.00027	
24	99,232	0.000279	28	0.00027		60.48	6,001,815	99,218	0.00029	
25	99,204	0.000298	30	0.00029		59.50	5,902,597	99,190	0.00031	
26	99,175	0.000316	31	0.00031		58.52	5,803,407	99,159	0.00033	
27	99,143	0.000334	33	0.00033		57.54	5,704,248	99,127	0.00034	
28	99,110	0.000352	35	0.00034		56.55	5,605,121	99,093	0.00036	
29	99,075	0.000371	37	0.00036		55.57	5,506,028	99,057	0.00038	
30	99,039	0.000391	39	0.00038		54.59	5,406,971	99,019	0.00040	
31	99,000	0.000412	41	0.00040		53.62	5,307,951	98,980	0.00042	
32	98,959	0.000435	43	0.00042		52.64	5,208,972	98,938	0.00045	
33	98,916	0.000462	46	0.00045		51.66	5,110,034	98,893	0.00048	
34	98,870	0.000492	49	0.00048		50.68	5,011,141	98,846	0.00051	
35	98,822	0.000526	52	0.00051		49.71	4,912,294	98,796	0.00054	
36	98,770	0.000564	56	0.00054		48.73	4,813,498	98,742	0.00059	
37	98,714	0.000609	60	0.00059		47.76	4,714,756	98,684	0.00063	
38	98,654	0.000659	65	0.00063		46.79	4,616,072	98,622	0.00069	
39	98,589	0.000715	71	0.00069		45.82	4,517,450	98,554	0.00075	
40	98,518	0.000779	77	0.00075		44.85	4,418,896	98,481	0.00082	
41	98,442	0.000851	84	0.00081		43.89	4,320,415	98,400	0.00089	
42	98,358	0.000931	92	0.00089		42.93	4,222,015	98,313	0.00098	
43	98,266	0.001020	100	0.00097		41.96	4,123,702	98,217	0.00107	
44	98,166	0.001118	110	0.00107		41.01	4,025,485	98,112	0.00117	
45	98,056	0.001227	120	0.00117		40.05	3,927,373	97,997	0.00129	
46	97,936	0.001346	132	0.00129		39.10	3,829,375	97,871	0.00141	
47	97,804	0.001473	144	0.00141		38.15	3,731,504	97,733	0.00154	
48	97,660	0.001608	157	0.00154		37.21	3,633,771	97,583	0.00168	
49	97,503	0.001747	170	0.00168		36.27	3,536,188	97,419	0.00182	
50	97,333	0.001889	184	0.00182		35.33	3,438,769	97,242	0.00196	
51	97,149	0.002032	197	0.00196		34.40	3,341,527	97,051	0.00210	
52	96,952	0.002174	211	0.00211		33.46	3,244,475	96,847	0.00225	
53	96,741	0.002319	224	0.00225		32.54	3,147,628	96,630	0.00240	
54	96,516	0.002488	240	0.00240		31.61	3,050,998	96,398	0.00259	
55	96,276	0.002689	259	0.00259		30.69	2,954,600	96,149	0.00280	
56	96,017	0.002921	280	0.00280		29.77	2,858,452	95,879	0.00305	
57	95,737	0.003187	305	0.00305		28.86	2,762,573	95,587	0.00334	
58	95,432	0.003487	333	0.00334		27.95	2,666,986	95,268	0.00365	
59	95,099	0.003823	364	0.00366		27.04	2,571,718	94,920	0.00401	
60	94,736	0.004195	397	0.00401		26.14	2,476,798	94,540	0.00440	
61	94,338	0.004604	434	0.00440		25.25	2,382,258	94,124	0.00483	
62	93,904	0.005053	474	0.00483		24.37	2,288,134	93,670	0.00530	
63	93,429	0.005541	518	0.00530		23.49	2,194,464	93,174	0.00581	
64	92,912	0.006072	564	0.00581		22.62	2,101,290	92,634	0.00636	
65	92,348	0.006657	615	0.00637		21.75	2,008,656	92,045	0.00698	
66	91,733	0.007311	671	0.00700		20.89	1,916,611	91,402	0.00768	
67	91,062	0.008046	733	0.00769		20.04	1,825,209	90,701	0.00846	
68	90,329	0.008877	802	0.00848		19.20	1,734,507	89,935	0.00935	
69	89,528	0.009817	879	0.00937		18.37	1,644,573	89,095	0.01035	
70	88,649	0.010879	964	0.01038		17.55	1,555,478	88,174	0.01147	
71	87,684	0.012076	1,059	0.01152		16.73	1,467,304	87,163	0.01275	
72	86,625	0.013422	1,163	0.01280		15.93	1,380,141	86,053	0.01418	
73	85,463	0.014939	1,277	0.01425		15.14	1,294,088	84,834	0.01581	
74	84,186	0.016686	1,405	0.01589		14.36	1,209,253	83,495	0.01770	
75	82,781	0.018730	1,551	0.01781		13.60	1,125,759	82,019	0.01992	
76	81,231	0.021138	1,717	0.02007		12.85	1,043,740	80,387	0.02254	
77	79,514	0.023976	1,906	0.02274		12.12	963,353	78,577	0.02562	
78	77,607	0.027308	2,119	0.02589		11.40	884,775	76,566	0.02923	
79	75,488	0.031197	2,355	0.02959		10.71	808,209	74,331	0.03341	

Australia Life Table Equations

x	Age	
l_x	The number of persons surviving to exact age x	$l_0 = 100,000$ $l_{x+1} = l_x - d_x$
q_x	The proportion of persons dying between exact age x and exact age $x + 1$	
d_x	The number of persons dying between exact age x and exact age $x + 1$	$d_x = l_x \cdot q_x$
μ_x	The force (or instantaneous rate) of mortality at exact age x	$\mu_x = (7(d_{x-1} + d_x) - (d_{x-2} + d_{x+1})) / (12 \cdot l_x)$
IF_x	Infant factors	Males: $IF_0 = 0.13315$ $IF_1 = 0.46920$ $IF_2 = 0.46950$ Females: $IF_0 = 0.12275$ $IF_1 = 0.56360$ $IF_2 = 0.46740$
e_x^0	The complete expectation of life of persons aged exactly x	$e_x^0 = T_x / l_x$ if $x = 0, 1$ or 2 $e_x^0 = \text{sum}(l_{x+1}) / l_x + 0.5 - \mu_x / 12$ if $x \geq 3$ where $\text{sum}(l_{x+1}) = l_{x+1} + l_{x+2} + l_{x+3} + \dots$
T_x	The total number of years of life experienced after age x by l_x persons aged exactly x	$T_x = l_x + T_{x+1}$ if $x = 0, 1$ or 2 $T_x = l_x \cdot e_x^0$ if $x \geq 3$
L_x	The total number of years of life experienced between age x and age $(x + 1)$ by l_x persons aged exactly x	$L_x = (IF_x \cdot l_x) + ((1 - IF_x) \cdot l_{x+1})$ if $x = 0, 1$ or 2 $L_x = T_x - T_{x+1}$ if $x \geq 3$
Q_x	Probability of person aged x dying before reaching age $x + 1$	$Q_{\text{infant}} = 0.88 \cdot Q_0$ $Q_0 = (0.12 \cdot q_0 + 0.61 \cdot (1 - q_0) \cdot q_1) / (1 - 0.88 \cdot q_0)$ $Q_1 = (0.39 \cdot q_1 + 0.50 \cdot (1 - q_1) \cdot q_2) / (1 - 0.61 \cdot q_1)$ $Q_x = (q_x + (1 - q_x) \cdot q_{x+1}) / (2 - q_x)$ if $x \geq 2$

I_x - The number of persons surviving to exact age x

Males	Age	2010	2011	2012	2013	2014	2015	2016
Males	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Males	1	99,535	99,549	99,563	99,577	99,590	99,603	99,615
Males	2	99,500	99,516	99,531	99,545	99,559	99,573	99,587
Males	3	99,479	99,496	99,511	99,527	99,542	99,556	99,570
Males	4	99,464	99,481	99,497	99,513	99,529	99,544	99,558
Males	5	99,452	99,469	99,486	99,502	99,518	99,534	99,549
Males	6	99,441	99,459	99,476	99,493	99,510	99,526	99,541
Males	7	99,432	99,450	99,468	99,485	99,502	99,518	99,534
Males	8	99,423	99,442	99,460	99,478	99,495	99,511	99,527
Males	9	99,415	99,434	99,453	99,471	99,488	99,505	99,521
Males	10	99,407	99,427	99,445	99,464	99,481	99,498	99,515
Males	11	99,399	99,419	99,438	99,457	99,474	99,492	99,509
Males	12	99,390	99,410	99,430	99,449	99,467	99,484	99,502
Males	13	99,380	99,401	99,421	99,440	99,458	99,476	99,494
Males	14	99,369	99,390	99,410	99,430	99,449	99,467	99,485
Males	15	99,355	99,376	99,397	99,417	99,437	99,455	99,473
Males	16	99,336	99,358	99,379	99,400	99,420	99,439	99,458
Males	17	99,306	99,329	99,352	99,373	99,394	99,414	99,434
Males	18	99,263	99,287	99,311	99,334	99,357	99,378	99,399
Males	19	99,208	99,235	99,261	99,286	99,310	99,333	99,355
Males	20	99,146	99,175	99,203	99,230	99,256	99,281	99,305
Males	21	99,080	99,111	99,141	99,170	99,198	99,225	99,250
Males	22	99,010	99,043	99,075	99,106	99,136	99,164	99,192
Males	23	98,939	98,974	99,008	99,041	99,072	99,103	99,132
Males	24	98,868	98,905	98,941	98,975	99,008	99,040	99,071
Males	25	98,796	98,835	98,872	98,908	98,943	98,976	99,008
Males	26	98,722	98,763	98,802	98,839	98,875	98,910	98,944
Males	27	98,646	98,688	98,728	98,767	98,805	98,841	98,876
Males	28	98,566	98,609	98,651	98,691	98,730	98,767	98,804
Males	29	98,481	98,526	98,569	98,610	98,650	98,689	98,726
Males	30	98,392	98,438	98,482	98,525	98,566	98,605	98,644
Males	31	98,299	98,346	98,391	98,434	98,476	98,517	98,556
Males	32	98,203	98,250	98,296	98,340	98,383	98,424	98,464
Males	33	98,104	98,152	98,198	98,243	98,286	98,328	98,369
Males	34	98,001	98,050	98,097	98,142	98,186	98,229	98,270
Males	35	97,896	97,945	97,993	98,039	98,084	98,127	98,170
Males	36	97,788	97,838	97,887	97,934	97,980	98,024	98,067
Males	37	97,678	97,729	97,779	97,827	97,873	97,919	97,963
Males	38	97,565	97,617	97,668	97,717	97,765	97,812	97,857
Males	39	97,447	97,501	97,553	97,604	97,654	97,702	97,748
Males	40	97,325	97,380	97,434	97,487	97,538	97,588	97,636
Males	41	97,196	97,253	97,309	97,364	97,417	97,468	97,519
Males	42	97,059	97,118	97,177	97,234	97,289	97,343	97,396
Males	43	96,913	96,975	97,036	97,096	97,154	97,210	97,266
Males	44	96,756	96,822	96,886	96,949	97,010	97,069	97,127
Males	45	96,589	96,658	96,726	96,792	96,856	96,919	96,980
Males	46	96,409	96,482	96,554	96,624	96,692	96,758	96,823
Males	47	96,215	96,293	96,369	96,444	96,516	96,587	96,655
Males	48	96,007	96,090	96,171	96,250	96,327	96,403	96,476
Males	49	95,783	95,872	95,959	96,043	96,126	96,206	96,284
Males	50	95,542	95,638	95,731	95,822	95,910	95,996	96,080
Males	51	95,284	95,387	95,487	95,584	95,680	95,772	95,862
Males	52	95,008	95,118	95,226	95,331	95,433	95,533	95,630
Males	53	94,711	94,830	94,947	95,060	95,171	95,278	95,382
Males	54	94,392	94,521	94,647	94,770	94,889	95,005	95,117
Males	55	94,048	94,188	94,324	94,457	94,586	94,711	94,832

Males	56	93,677	93,828	93,976	94,119	94,258	94,394	94,525
Males	57	93,273	93,437	93,597	93,752	93,903	94,049	94,191
Males	58	92,833	93,011	93,185	93,353	93,516	93,674	93,828
Males	59	92,352	92,546	92,734	92,916	93,093	93,264	93,431
Males	60	91,826	92,036	92,239	92,437	92,629	92,815	92,995
Males	61	91,248	91,476	91,697	91,911	92,119	92,320	92,515
Males	62	90,614	90,860	91,100	91,332	91,558	91,776	91,987
Males	63	89,916	90,184	90,443	90,696	90,940	91,177	91,406
Males	64	89,150	89,440	89,721	89,995	90,260	90,516	90,764
Males	65	88,308	88,622	88,928	89,224	89,511	89,789	90,058
Males	66	87,385	87,725	88,056	88,377	88,688	88,990	89,281
Males	67	86,373	86,742	87,100	87,448	87,785	88,111	88,427
Males	68	85,271	85,669	86,057	86,433	86,798	87,151	87,493
Males	69	84,079	84,510	84,929	85,336	85,730	86,112	86,483
Males	70	82,794	83,259	83,712	84,152	84,578	84,991	85,391
Males	71	81,405	81,906	82,394	82,868	83,329	83,774	84,206
Males	72	79,894	80,434	80,959	81,470	81,966	82,447	82,912
Males	73	78,246	78,825	79,390	79,939	80,473	80,990	81,491
Males	74	76,442	77,063	77,668	78,258	78,830	79,385	79,924
Males	75	74,466	75,129	75,776	76,406	77,019	77,613	78,191
Males	76	72,301	73,006	73,695	74,367	75,020	75,655	76,271
Males	77	69,933	70,679	71,409	72,122	72,816	73,491	74,147
Males	78	67,350	68,136	68,905	69,658	70,391	71,105	71,800
Males	79	64,543	65,366	66,173	66,963	67,733	68,485	69,217
Males	80	61,513	62,368	63,208	64,032	64,837	65,623	66,389
Males	81	58,262	59,144	60,013	60,865	61,700	62,516	63,313
Males	82	54,803	55,706	56,595	57,470	58,329	59,170	59,993
Males	83	51,156	52,071	52,974	53,865	54,740	55,599	56,441
Males	84	47,349	48,267	49,176	50,073	50,956	51,825	52,679
Males	85	43,420	44,331	45,235	46,129	47,012	47,882	48,739
Males	86	39,415	40,308	41,196	42,077	42,949	43,810	44,661
Males	87	35,383	36,248	37,110	37,968	38,818	39,661	40,494
Males	88	31,377	32,202	33,028	33,851	34,669	35,482	36,287
Males	89	27,420	28,196	28,972	29,749	30,523	31,294	32,060
Males	90	23,541	24,253	24,968	25,685	26,402	27,117	27,831
Males	91	19,811	20,449	21,092	21,738	22,386	23,034	23,683
Males	92	16,334	16,892	17,455	18,023	18,594	19,168	19,743
Males	93	13,202	13,679	14,162	14,650	15,142	15,638	16,136
Males	94	10,467	10,866	11,272	11,683	12,098	12,517	12,940
Males	95	8,144	8,471	8,805	9,143	9,487	9,835	10,187
Males	96	6,218	6,481	6,750	7,024	7,302	7,585	7,872
Males	97	4,658	4,865	5,077	5,294	5,515	5,740	5,970
Males	98	3,422	3,582	3,746	3,914	4,086	4,262	4,441
Males	99	2,465	2,585	2,710	2,837	2,968	3,102	3,239
Males	100	1,739	1,828	1,920	2,015	2,112	2,212	2,315
Males	101	1,202	1,267	1,333	1,401	1,472	1,545	1,620
Males	102	811	856	902	950	999	1,050	1,103
Males	103	536	566	597	629	662	697	732
Males	104	346	366	386	406	428	450	474
Males	105	220	232	245	258	272	286	301
Males	106	137	144	152	161	169	178	187
Males	107	84	88	93	98	103	109	114
Males	108	50	53	56	59	62	65	69
Males	109	30	31	33	35	37	38	40
Males	110	17	18	19	20	21	22	23
Males	111	10	10	11	11	12	13	13
Males	112	5	6	6	6	7	7	7
Males	113	3	3	3	3	4	4	4
Males	114	2	2	2	2	2	2	2
Males	115	1	1	1	1	1	1	1
Males	116	0	0	0	1	1	1	1

Males	117	0	0	0	0	0	0	0
Males	118	0	0	0	0	0	0	0
Males	119	0	0	0	0	0	0	0
Males	120	0	0	0	0	0	0	0

Females	Age	2010	2011	2012	2013	2014	2015	2016
Females	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Females	1	99,604	99,615	99,626	99,637	99,647	99,657	99,667
Females	2	99,577	99,589	99,601	99,612	99,624	99,635	99,645
Females	3	99,560	99,573	99,585	99,598	99,609	99,621	99,632
Females	4	99,547	99,560	99,573	99,585	99,598	99,609	99,621
Females	5	99,536	99,550	99,563	99,576	99,588	99,600	99,612
Females	6	99,527	99,540	99,554	99,567	99,580	99,592	99,604
Females	7	99,518	99,533	99,546	99,559	99,572	99,585	99,597
Females	8	99,511	99,526	99,540	99,553	99,566	99,579	99,592
Females	9	99,505	99,520	99,534	99,548	99,561	99,574	99,587
Females	10	99,499	99,514	99,528	99,542	99,556	99,569	99,582
Females	11	99,493	99,508	99,523	99,537	99,551	99,564	99,577
Females	12	99,487	99,502	99,517	99,531	99,545	99,559	99,572
Females	13	99,480	99,495	99,510	99,525	99,539	99,553	99,566
Females	14	99,471	99,487	99,502	99,517	99,531	99,545	99,559
Females	15	99,458	99,474	99,490	99,505	99,520	99,534	99,548
Females	16	99,442	99,458	99,474	99,490	99,505	99,519	99,533
Females	17	99,422	99,439	99,455	99,471	99,486	99,501	99,516
Females	18	99,399	99,416	99,433	99,450	99,465	99,481	99,496
Females	19	99,375	99,393	99,410	99,427	99,443	99,459	99,475
Females	20	99,349	99,368	99,386	99,403	99,420	99,436	99,453
Females	21	99,324	99,343	99,361	99,379	99,397	99,414	99,430
Females	22	99,298	99,318	99,337	99,355	99,373	99,390	99,407
Females	23	99,272	99,292	99,312	99,331	99,349	99,367	99,385
Females	24	99,246	99,267	99,287	99,307	99,326	99,344	99,362
Females	25	99,220	99,241	99,262	99,282	99,301	99,320	99,339
Females	26	99,193	99,214	99,235	99,256	99,276	99,295	99,314
Females	27	99,164	99,186	99,208	99,229	99,249	99,269	99,289
Females	28	99,133	99,156	99,178	99,199	99,220	99,241	99,261
Females	29	99,100	99,123	99,146	99,168	99,189	99,210	99,230
Females	30	99,065	99,089	99,112	99,134	99,156	99,177	99,198
Females	31	99,029	99,053	99,076	99,099	99,121	99,143	99,164
Females	32	98,991	99,015	99,039	99,062	99,085	99,107	99,129
Females	33	98,950	98,975	99,000	99,023	99,047	99,069	99,092
Females	34	98,907	98,933	98,958	98,982	99,006	99,029	99,052
Females	35	98,862	98,888	98,913	98,938	98,962	98,986	99,010
Females	36	98,813	98,839	98,865	98,891	98,916	98,940	98,964
Females	37	98,760	98,787	98,814	98,840	98,866	98,891	98,916
Females	38	98,702	98,730	98,758	98,785	98,812	98,838	98,863
Females	39	98,640	98,669	98,698	98,726	98,753	98,780	98,807
Females	40	98,573	98,603	98,632	98,661	98,690	98,718	98,745
Females	41	98,499	98,531	98,561	98,592	98,621	98,650	98,679
Females	42	98,419	98,452	98,484	98,516	98,547	98,577	98,607
Females	43	98,332	98,367	98,400	98,434	98,466	98,498	98,530
Females	44	98,238	98,274	98,310	98,344	98,379	98,412	98,445
Females	45	98,135	98,173	98,211	98,248	98,284	98,319	98,354
Females	46	98,024	98,064	98,104	98,143	98,181	98,219	98,256
Females	47	97,903	97,946	97,988	98,029	98,070	98,110	98,149
Females	48	97,772	97,818	97,863	97,906	97,950	97,992	98,034
Females	49	97,630	97,679	97,727	97,774	97,820	97,865	97,910
Females	50	97,478	97,530	97,581	97,631	97,680	97,729	97,777
Females	51	97,313	97,369	97,423	97,477	97,530	97,582	97,633
Females	52	97,135	97,195	97,254	97,312	97,368	97,424	97,479

Females	53	96,944	97,009	97,072	97,134	97,195	97,255	97,313
Females	54	96,740	96,809	96,877	96,944	97,009	97,073	97,136
Females	55	96,520	96,595	96,668	96,740	96,810	96,879	96,947
Females	56	96,284	96,365	96,444	96,521	96,597	96,671	96,744
Females	57	96,029	96,116	96,201	96,284	96,366	96,446	96,525
Females	58	95,750	95,844	95,935	96,025	96,114	96,200	96,285
Females	59	95,442	95,543	95,643	95,740	95,835	95,928	96,019
Females	60	95,102	95,211	95,318	95,423	95,526	95,626	95,725
Females	61	94,726	94,844	94,960	95,073	95,184	95,293	95,399
Females	62	94,314	94,442	94,567	94,689	94,809	94,926	95,041
Females	63	93,866	94,004	94,139	94,271	94,400	94,527	94,651
Females	64	93,380	93,529	93,675	93,818	93,957	94,094	94,228
Females	65	92,852	93,014	93,172	93,326	93,477	93,625	93,770
Females	66	92,281	92,455	92,626	92,793	92,957	93,117	93,273
Females	67	91,659	91,848	92,033	92,214	92,391	92,564	92,734
Females	68	90,980	91,185	91,386	91,582	91,774	91,961	92,145
Females	69	90,237	90,459	90,677	90,889	91,097	91,301	91,499
Females	70	89,421	89,662	89,897	90,128	90,353	90,573	90,789
Females	71	88,521	88,782	89,038	89,288	89,532	89,771	90,005
Females	72	87,529	87,812	88,088	88,359	88,624	88,883	89,136
Females	73	86,432	86,738	87,038	87,331	87,618	87,898	88,173
Females	74	85,221	85,552	85,876	86,193	86,504	86,808	87,105
Females	75	83,880	84,238	84,588	84,932	85,268	85,597	85,919
Females	76	82,393	82,779	83,158	83,529	83,893	84,248	84,597
Females	77	80,741	81,157	81,566	81,967	82,359	82,744	83,121
Females	78	78,903	79,352	79,792	80,224	80,647	81,063	81,470
Females	79	76,858	77,340	77,814	78,279	78,735	79,182	79,621
Females	80	74,587	75,104	75,612	76,110	76,600	77,081	77,554
Females	81	72,072	72,624	73,166	73,700	74,224	74,740	75,247
Females	82	69,298	69,885	70,462	71,030	71,589	72,140	72,681
Females	83	66,252	66,872	67,483	68,085	68,678	69,263	69,839
Females	84	62,924	63,575	64,217	64,851	65,476	66,093	66,702
Females	85	59,310	59,987	60,657	61,319	61,973	62,619	63,257
Females	86	55,414	56,113	56,804	57,488	58,166	58,836	59,499
Females	87	51,256	51,967	52,672	53,371	54,065	54,752	55,433
Females	88	46,867	47,580	48,289	48,994	49,694	50,388	51,078
Females	89	42,296	43,000	43,701	44,399	45,094	45,786	46,474
Females	90	37,608	38,290	38,970	39,649	40,326	41,002	41,676
Females	91	32,885	33,531	34,178	34,824	35,470	36,116	36,761
Females	92	28,222	28,819	29,417	30,017	30,619	31,222	31,825
Females	93	23,733	24,271	24,812	25,354	25,900	26,448	26,998
Females	94	19,575	20,049	20,526	21,006	21,490	21,977	22,467
Females	95	15,844	16,253	16,665	17,081	17,501	17,925	18,353
Females	96	12,575	12,920	13,270	13,623	13,980	14,342	14,708
Females	97	9,769	10,054	10,343	10,636	10,933	11,234	11,540
Females	98	7,425	7,655	7,889	8,126	8,367	8,613	8,862
Females	99	5,520	5,701	5,885	6,073	6,265	6,460	6,659
Females	100	4,011	4,151	4,293	4,438	4,587	4,739	4,894
Females	101	2,848	2,953	3,060	3,170	3,283	3,398	3,516
Females	102	1,967	2,042	2,119	2,198	2,279	2,362	2,447
Females	103	1,326	1,377	1,430	1,484	1,539	1,596	1,654
Females	104	875	910	945	981	1,018	1,056	1,095
Females	105	566	588	611	635	659	684	710
Females	106	358	372	387	402	418	434	450
Females	107	222	231	240	250	259	270	280
Females	108	135	140	146	152	158	164	171
Females	109	80	83	87	90	94	98	102
Females	110	47	49	51	53	55	57	59
Females	111	27	28	29	30	31	33	34
Females	112	15	15	16	17	18	18	19
Females	113	8	8	9	9	10	10	10

Females	114	4	5	5	5	5	5	6
Females	115	2	2	3	3	3	3	3
Females	116	1	1	1	1	1	1	2
Females	117	1	1	1	1	1	1	1
Females	118	0	0	0	0	0	0	0
Females	119	0	0	0	0	0	0	0
Females	120	0	0	0	0	0	0	0

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,627	99,639	99,650	99,661	99,672	99,683	99,693	99,703	99,713	99,722
99,600	99,612	99,625	99,637	99,648	99,660	99,671	99,682	99,692	99,702
99,584	99,597	99,610	99,623	99,635	99,647	99,658	99,670	99,681	99,691
99,572	99,586	99,600	99,613	99,625	99,638	99,649	99,661	99,672	99,683
99,563	99,578	99,591	99,605	99,618	99,630	99,643	99,654	99,666	99,677
99,556	99,570	99,584	99,598	99,611	99,624	99,637	99,649	99,660	99,672
99,549	99,564	99,578	99,592	99,605	99,619	99,631	99,643	99,655	99,667
99,543	99,558	99,572	99,587	99,600	99,614	99,626	99,639	99,651	99,663
99,537	99,552	99,567	99,581	99,595	99,609	99,622	99,634	99,647	99,659
99,531	99,546	99,562	99,576	99,590	99,604	99,617	99,630	99,642	99,655
99,525	99,541	99,556	99,571	99,585	99,599	99,612	99,625	99,638	99,650
99,518	99,534	99,550	99,565	99,579	99,593	99,607	99,620	99,633	99,645
99,510	99,527	99,543	99,558	99,573	99,587	99,601	99,614	99,627	99,640
99,502	99,518	99,534	99,550	99,565	99,580	99,594	99,607	99,621	99,634
99,491	99,508	99,524	99,540	99,556	99,571	99,585	99,599	99,613	99,626
99,476	99,493	99,510	99,527	99,543	99,558	99,573	99,587	99,601	99,614
99,453	99,471	99,489	99,506	99,522	99,538	99,554	99,569	99,583	99,597
99,419	99,438	99,457	99,475	99,493	99,510	99,526	99,542	99,557	99,572
99,377	99,398	99,418	99,437	99,456	99,474	99,491	99,508	99,524	99,540
99,328	99,351	99,372	99,393	99,413	99,433	99,451	99,469	99,487	99,503
99,275	99,299	99,322	99,345	99,366	99,387	99,407	99,426	99,445	99,462
99,218	99,244	99,269	99,292	99,315	99,337	99,358	99,379	99,398	99,417
99,160	99,187	99,213	99,238	99,262	99,285	99,308	99,329	99,350	99,370
99,100	99,128	99,156	99,182	99,207	99,232	99,255	99,278	99,300	99,321
99,039	99,069	99,097	99,125	99,152	99,177	99,202	99,225	99,248	99,270
98,976	99,007	99,037	99,066	99,093	99,120	99,146	99,170	99,194	99,217
98,909	98,942	98,973	99,003	99,031	99,059	99,086	99,111	99,136	99,160
98,838	98,872	98,904	98,935	98,965	98,993	99,021	99,048	99,073	99,098
98,762	98,796	98,830	98,862	98,893	98,922	98,951	98,978	99,005	99,031
98,680	98,716	98,750	98,783	98,815	98,845	98,875	98,903	98,931	98,957
98,594	98,630	98,665	98,699	98,731	98,763	98,793	98,822	98,851	98,878
98,503	98,540	98,576	98,610	98,644	98,676	98,707	98,737	98,766	98,794
98,408	98,446	98,483	98,518	98,552	98,585	98,617	98,648	98,678	98,707
98,310	98,349	98,386	98,422	98,457	98,491	98,524	98,556	98,587	98,616
98,210	98,250	98,288	98,325	98,361	98,396	98,429	98,462	98,494	98,525
98,109	98,149	98,188	98,226	98,263	98,299	98,334	98,367	98,400	98,432
98,006	98,047	98,087	98,127	98,165	98,202	98,238	98,273	98,307	98,340
97,901	97,944	97,985	98,026	98,065	98,104	98,141	98,177	98,213	98,247
97,794	97,838	97,881	97,923	97,964	98,004	98,043	98,081	98,118	98,154
97,683	97,729	97,774	97,818	97,860	97,902	97,942	97,982	98,020	98,058
97,568	97,616	97,662	97,708	97,752	97,796	97,838	97,880	97,920	97,960
97,447	97,497	97,546	97,593	97,640	97,685	97,730	97,773	97,816	97,857
97,319	97,372	97,423	97,473	97,522	97,570	97,616	97,662	97,707	97,750
97,184	97,239	97,293	97,346	97,397	97,448	97,497	97,545	97,592	97,638
97,040	97,098	97,155	97,211	97,265	97,318	97,370	97,421	97,471	97,519
96,886	96,948	97,009	97,067	97,125	97,181	97,236	97,290	97,343	97,394
96,723	96,788	96,852	96,915	96,976	97,036	97,094	97,151	97,207	97,261
96,548	96,618	96,686	96,752	96,817	96,881	96,943	97,003	97,062	97,120
96,361	96,436	96,508	96,579	96,649	96,716	96,782	96,847	96,910	96,971
96,162	96,242	96,319	96,395	96,469	96,542	96,612	96,681	96,748	96,814
95,950	96,036	96,119	96,200	96,279	96,357	96,432	96,505	96,577	96,647
95,724	95,816	95,906	95,993	96,078	96,160	96,241	96,319	96,396	96,471
95,484	95,582	95,679	95,772	95,863	95,952	96,038	96,123	96,205	96,285
95,226	95,333	95,436	95,537	95,635	95,730	95,823	95,913	96,001	96,086
94,950	95,065	95,176	95,285	95,390	95,492	95,592	95,689	95,783	95,875

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

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,677	99,686	99,695	99,704	99,713	99,722	99,730	99,738	99,746	99,754
99,656	99,666	99,676	99,686	99,695	99,705	99,714	99,722	99,731	99,739
99,643	99,654	99,664	99,674	99,684	99,694	99,703	99,712	99,721	99,730
99,632	99,643	99,654	99,665	99,675	99,685	99,694	99,704	99,713	99,722
99,624	99,635	99,646	99,657	99,667	99,677	99,687	99,697	99,707	99,716
99,616	99,628	99,639	99,650	99,660	99,671	99,681	99,691	99,701	99,710
99,609	99,621	99,633	99,644	99,655	99,665	99,676	99,686	99,696	99,705
99,604	99,616	99,627	99,639	99,650	99,661	99,671	99,681	99,691	99,701
99,599	99,611	99,623	99,635	99,646	99,657	99,667	99,678	99,688	99,698
99,595	99,607	99,619	99,630	99,642	99,653	99,664	99,674	99,684	99,694
99,590	99,602	99,615	99,626	99,638	99,649	99,660	99,671	99,681	99,691
99,585	99,598	99,610	99,622	99,634	99,645	99,656	99,667	99,677	99,687
99,579	99,592	99,605	99,617	99,629	99,640	99,651	99,662	99,673	99,683
99,572	99,585	99,598	99,610	99,622	99,634	99,645	99,656	99,667	99,677
99,561	99,575	99,588	99,600	99,612	99,624	99,636	99,647	99,658	99,669
99,547	99,561	99,574	99,587	99,599	99,611	99,623	99,635	99,646	99,657
99,530	99,544	99,557	99,570	99,583	99,596	99,608	99,620	99,631	99,643
99,511	99,525	99,539	99,552	99,566	99,578	99,591	99,603	99,615	99,627
99,490	99,505	99,519	99,533	99,547	99,560	99,573	99,585	99,598	99,610
99,468	99,483	99,498	99,513	99,527	99,540	99,554	99,567	99,579	99,592
99,446	99,462	99,477	99,492	99,507	99,521	99,534	99,548	99,561	99,574
99,424	99,440	99,456	99,471	99,486	99,501	99,515	99,529	99,542	99,555
99,402	99,419	99,435	99,451	99,466	99,481	99,496	99,510	99,524	99,537
99,380	99,397	99,413	99,430	99,445	99,461	99,476	99,490	99,505	99,518
99,357	99,374	99,391	99,408	99,424	99,440	99,455	99,470	99,485	99,499
99,333	99,351	99,368	99,386	99,402	99,418	99,434	99,450	99,465	99,479
99,308	99,326	99,344	99,362	99,379	99,395	99,412	99,427	99,443	99,458
99,280	99,299	99,317	99,335	99,353	99,370	99,387	99,403	99,419	99,434
99,250	99,270	99,289	99,307	99,325	99,343	99,360	99,376	99,393	99,409
99,219	99,238	99,258	99,277	99,295	99,313	99,331	99,348	99,365	99,381
99,185	99,205	99,225	99,245	99,264	99,282	99,300	99,318	99,335	99,352
99,150	99,171	99,191	99,211	99,231	99,250	99,268	99,287	99,304	99,322
99,113	99,135	99,156	99,176	99,196	99,215	99,235	99,253	99,272	99,290
99,074	99,096	99,117	99,138	99,159	99,179	99,199	99,218	99,237	99,256
99,032	99,055	99,077	99,099	99,120	99,141	99,161	99,181	99,201	99,220
98,988	99,011	99,034	99,056	99,078	99,099	99,120	99,141	99,161	99,181
98,940	98,964	98,987	99,010	99,033	99,055	99,077	99,098	99,120	99,140
98,888	98,913	98,937	98,961	98,985	99,008	99,031	99,053	99,075	99,096
98,833	98,858	98,884	98,908	98,933	98,957	98,981	99,004	99,027	99,049
98,773	98,799	98,826	98,852	98,877	98,902	98,927	98,951	98,975	98,998
98,707	98,735	98,763	98,790	98,817	98,843	98,869	98,894	98,919	98,944
98,637	98,666	98,695	98,723	98,751	98,779	98,806	98,833	98,859	98,885
98,561	98,591	98,622	98,651	98,681	98,710	98,738	98,766	98,794	98,821
98,478	98,510	98,542	98,574	98,604	98,635	98,665	98,694	98,724	98,752
98,389	98,423	98,457	98,490	98,522	98,554	98,586	98,617	98,648	98,678
98,292	98,328	98,364	98,399	98,434	98,468	98,501	98,534	98,567	98,599
98,188	98,226	98,264	98,301	98,338	98,374	98,410	98,445	98,479	98,513
98,076	98,116	98,156	98,196	98,235	98,273	98,311	98,349	98,385	98,421
97,954	97,998	98,040	98,083	98,124	98,165	98,205	98,245	98,284	98,323
97,824	97,870	97,916	97,961	98,005	98,049	98,092	98,134	98,176	98,217
97,684	97,733	97,782	97,830	97,877	97,924	97,970	98,015	98,060	98,103
97,533	97,586	97,638	97,690	97,740	97,790	97,839	97,888	97,935	97,982

97,371	97,428	97,484	97,539	97,594	97,647	97,699	97,751	97,802	97,851
97,199	97,260	97,320	97,379	97,437	97,494	97,550	97,605	97,660	97,713
97,014	97,080	97,144	97,208	97,270	97,331	97,391	97,450	97,508	97,565
96,816	96,887	96,956	97,024	97,091	97,156	97,221	97,284	97,346	97,407
96,602	96,678	96,752	96,825	96,897	96,967	97,036	97,104	97,171	97,236
96,368	96,450	96,530	96,608	96,685	96,761	96,835	96,907	96,978	97,048
96,109	96,197	96,283	96,367	96,450	96,531	96,611	96,689	96,765	96,840
95,821	95,916	96,009	96,100	96,189	96,276	96,361	96,445	96,527	96,608
95,503	95,605	95,705	95,803	95,899	95,992	96,084	96,175	96,263	96,349
95,153	95,263	95,371	95,476	95,580	95,681	95,780	95,877	95,972	96,065
94,772	94,891	95,007	95,120	95,232	95,341	95,448	95,552	95,654	95,754
94,359	94,487	94,612	94,735	94,855	94,973	95,088	95,200	95,311	95,419
93,911	94,050	94,185	94,318	94,448	94,574	94,699	94,820	94,939	95,055
93,426	93,576	93,723	93,866	94,006	94,143	94,277	94,408	94,537	94,662
92,899	93,061	93,220	93,375	93,526	93,675	93,819	93,961	94,100	94,236
92,324	92,500	92,671	92,839	93,003	93,163	93,320	93,473	93,623	93,770
91,694	91,884	92,070	92,251	92,429	92,603	92,772	92,938	93,101	93,259
91,000	91,206	91,407	91,604	91,796	91,985	92,169	92,349	92,524	92,696
90,233	90,456	90,675	90,888	91,097	91,301	91,501	91,696	91,886	92,073
89,384	89,626	89,863	90,094	90,321	90,542	90,759	90,970	91,177	91,380
88,441	88,704	88,961	89,212	89,458	89,698	89,933	90,163	90,388	90,607
87,396	87,681	87,959	88,232	88,498	88,759	89,014	89,264	89,508	89,746
86,234	86,542	86,844	87,140	87,429	87,712	87,989	88,260	88,525	88,784
84,938	85,273	85,600	85,920	86,234	86,541	86,841	87,135	87,423	87,705
83,490	83,852	84,206	84,554	84,894	85,227	85,553	85,872	86,184	86,491
81,869	82,260	82,644	83,019	83,388	83,749	84,102	84,449	84,788	85,120
80,052	80,475	80,889	81,295	81,694	82,084	82,468	82,843	83,211	83,572
78,018	78,473	78,920	79,358	79,789	80,211	80,626	81,032	81,431	81,822
75,745	76,234	76,715	77,187	77,651	78,106	78,553	78,993	79,424	79,847
73,214	73,738	74,253	74,760	75,258	75,748	76,229	76,702	77,167	77,623
70,406	70,964	71,514	72,055	72,588	73,112	73,628	74,135	74,634	75,125
67,302	67,893	68,477	69,051	69,618	70,176	70,726	71,267	71,800	72,325
63,887	64,509	65,124	65,730	66,328	66,918	67,500	68,074	68,640	69,198
60,155	60,803	61,444	62,077	62,704	63,322	63,933	64,537	65,133	65,721
56,107	56,776	57,437	58,093	58,741	59,383	60,018	60,646	61,268	61,882
51,763	52,443	53,117	53,786	54,450	55,107	55,759	56,405	57,046	57,680
47,158	47,839	48,515	49,188	49,856	50,520	51,180	51,835	52,485	53,130
42,347	43,016	43,683	44,348	45,009	45,668	46,324	46,976	47,625	48,271
37,406	38,051	38,695	39,337	39,979	40,619	41,258	41,896	42,531	43,165
32,430	33,036	33,643	34,251	34,858	35,467	36,075	36,683	37,291	37,899
27,551	28,106	28,664	29,223	29,784	30,347	30,912	31,478	32,045	32,614
22,961	23,458	23,959	24,462	24,969	25,478	25,990	26,505	27,023	27,543
18,786	19,222	19,662	20,106	20,554	21,005	21,461	21,919	22,381	22,847
15,079	15,454	15,833	16,216	16,604	16,996	17,392	17,791	18,195	18,603
11,850	12,165	12,484	12,807	13,135	13,467	13,803	14,144	14,488	14,837
9,116	9,374	9,636	9,902	10,173	10,448	10,727	11,010	11,297	11,589
6,862	7,068	7,279	7,493	7,712	7,934	8,160	8,390	8,624	8,862
5,052	5,214	5,379	5,548	5,720	5,895	6,074	6,257	6,443	6,633
3,637	3,761	3,887	4,017	4,149	4,285	4,423	4,565	4,709	4,857
2,534	2,624	2,716	2,810	2,907	3,006	3,107	3,211	3,317	3,426
1,714	1,776	1,840	1,905	1,972	2,041	2,111	2,184	2,258	2,335
1,135	1,177	1,220	1,264	1,309	1,355	1,403	1,452	1,503	1,555
736	764	792	820	850	881	912	944	978	1,012
468	485	503	522	541	561	581	602	623	645
291	302	313	325	337	349	362	375	389	403
177	184	191	198	206	213	221	229	238	246
106	110	114	119	123	128	133	137	143	148
62	64	67	69	72	75	78	81	84	87
35	37	38	40	41	43	45	46	48	50
20	21	22	22	23	24	25	26	27	28
11	11	12	12	13	13	14	14	15	16

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,731	99,740	99,749	99,757	99,765	99,773	99,781	99,788	99,795	99,802
99,712	99,722	99,731	99,740	99,749	99,757	99,766	99,774	99,781	99,789
99,701	99,711	99,721	99,731	99,740	99,749	99,757	99,765	99,773	99,781
99,694	99,704	99,714	99,724	99,733	99,742	99,751	99,760	99,768	99,776
99,688	99,698	99,709	99,718	99,728	99,737	99,746	99,755	99,763	99,771
99,683	99,693	99,704	99,714	99,724	99,733	99,742	99,751	99,760	99,768
99,678	99,689	99,700	99,710	99,720	99,729	99,738	99,747	99,756	99,764
99,674	99,685	99,696	99,706	99,716	99,726	99,735	99,744	99,753	99,762
99,670	99,681	99,692	99,703	99,713	99,723	99,732	99,741	99,750	99,759
99,666	99,678	99,689	99,699	99,709	99,719	99,729	99,738	99,747	99,756
99,662	99,674	99,685	99,695	99,706	99,716	99,726	99,735	99,744	99,753
99,657	99,669	99,680	99,691	99,702	99,712	99,722	99,731	99,741	99,750
99,652	99,664	99,675	99,686	99,697	99,707	99,717	99,727	99,736	99,746
99,646	99,658	99,670	99,681	99,692	99,702	99,712	99,722	99,732	99,741
99,638	99,651	99,662	99,674	99,685	99,696	99,706	99,716	99,726	99,735
99,628	99,640	99,652	99,664	99,676	99,687	99,697	99,708	99,718	99,727
99,611	99,624	99,637	99,649	99,661	99,672	99,683	99,694	99,704	99,714
99,586	99,600	99,613	99,626	99,638	99,650	99,662	99,673	99,684	99,695
99,555	99,570	99,584	99,598	99,611	99,623	99,636	99,648	99,659	99,670
99,519	99,535	99,550	99,564	99,578	99,592	99,605	99,618	99,630	99,641
99,480	99,496	99,512	99,527	99,542	99,557	99,571	99,584	99,597	99,609
99,435	99,453	99,470	99,486	99,502	99,517	99,532	99,546	99,560	99,573
99,389	99,408	99,425	99,443	99,459	99,475	99,491	99,506	99,520	99,534
99,341	99,361	99,379	99,397	99,415	99,432	99,448	99,464	99,479	99,494
99,291	99,312	99,331	99,350	99,368	99,386	99,403	99,419	99,435	99,451
99,239	99,260	99,281	99,300	99,319	99,338	99,355	99,373	99,389	99,405
99,183	99,205	99,226	99,247	99,267	99,286	99,304	99,322	99,339	99,356
99,122	99,145	99,167	99,188	99,209	99,229	99,248	99,266	99,284	99,302
99,055	99,079	99,102	99,124	99,145	99,166	99,186	99,205	99,224	99,242
98,983	99,007	99,031	99,054	99,076	99,097	99,118	99,138	99,157	99,176
98,904	98,929	98,954	98,978	99,000	99,023	99,044	99,065	99,085	99,105
98,821	98,848	98,873	98,897	98,921	98,944	98,966	98,988	99,009	99,029
98,735	98,762	98,788	98,813	98,838	98,862	98,885	98,907	98,929	98,951
98,645	98,673	98,701	98,727	98,752	98,777	98,801	98,825	98,848	98,870
98,555	98,584	98,612	98,639	98,666	98,692	98,717	98,742	98,766	98,789
98,463	98,494	98,523	98,551	98,579	98,606	98,633	98,659	98,684	98,708
98,372	98,404	98,434	98,464	98,493	98,522	98,549	98,576	98,603	98,629
98,281	98,314	98,346	98,377	98,407	98,437	98,466	98,495	98,522	98,550
98,189	98,223	98,257	98,289	98,321	98,353	98,383	98,413	98,442	98,471
98,095	98,131	98,166	98,200	98,234	98,267	98,299	98,330	98,361	98,391
97,998	98,036	98,073	98,109	98,144	98,179	98,213	98,246	98,278	98,310
97,898	97,937	97,976	98,014	98,051	98,088	98,123	98,158	98,192	98,225
97,793	97,835	97,876	97,916	97,955	97,993	98,031	98,067	98,103	98,138
97,683	97,727	97,770	97,812	97,853	97,894	97,933	97,972	98,010	98,047
97,567	97,613	97,659	97,703	97,747	97,790	97,831	97,872	97,912	97,951
97,444	97,493	97,541	97,589	97,635	97,680	97,724	97,767	97,809	97,851
97,314	97,367	97,418	97,467	97,516	97,564	97,611	97,656	97,701	97,745
97,177	97,232	97,286	97,339	97,391	97,441	97,491	97,539	97,587	97,633
97,031	97,090	97,148	97,204	97,259	97,312	97,365	97,416	97,466	97,516
96,878	96,940	97,001	97,061	97,119	97,176	97,232	97,287	97,340	97,392
96,715	96,782	96,847	96,911	96,973	97,033	97,093	97,150	97,207	97,263
96,544	96,615	96,684	96,752	96,818	96,883	96,946	97,007	97,067	97,126
96,362	96,438	96,512	96,585	96,655	96,724	96,791	96,857	96,921	96,983
96,170	96,251	96,330	96,407	96,482	96,556	96,627	96,697	96,765	96,832
95,964	96,051	96,135	96,218	96,298	96,376	96,452	96,527	96,600	96,671

1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,762	99,769	99,776	99,783	99,790	99,797	99,804	99,810	99,816	99,822
99,748	99,756	99,763	99,771	99,778	99,785	99,792	99,799	99,806	99,812
99,739	99,747	99,755	99,763	99,771	99,778	99,785	99,792	99,799	99,805
99,731	99,740	99,748	99,756	99,764	99,771	99,779	99,786	99,793	99,800
99,725	99,734	99,742	99,750	99,758	99,766	99,774	99,781	99,788	99,795
99,719	99,728	99,737	99,745	99,754	99,762	99,769	99,777	99,784	99,791
99,714	99,724	99,732	99,741	99,749	99,758	99,765	99,773	99,780	99,788
99,711	99,720	99,729	99,737	99,746	99,754	99,762	99,770	99,777	99,785
99,707	99,717	99,726	99,734	99,743	99,751	99,759	99,767	99,775	99,782
99,704	99,713	99,723	99,732	99,740	99,749	99,757	99,765	99,773	99,780
99,701	99,710	99,720	99,729	99,737	99,746	99,754	99,762	99,770	99,778
99,697	99,707	99,716	99,725	99,734	99,743	99,751	99,759	99,767	99,775
99,693	99,703	99,712	99,722	99,731	99,739	99,748	99,756	99,764	99,772
99,688	99,697	99,707	99,716	99,726	99,734	99,743	99,751	99,759	99,767
99,679	99,689	99,699	99,709	99,718	99,727	99,736	99,744	99,752	99,760
99,668	99,678	99,688	99,698	99,707	99,716	99,725	99,734	99,743	99,751
99,653	99,664	99,674	99,684	99,694	99,704	99,713	99,722	99,730	99,739
99,638	99,649	99,659	99,670	99,680	99,690	99,699	99,708	99,717	99,726
99,621	99,632	99,643	99,654	99,664	99,675	99,684	99,694	99,703	99,712
99,604	99,615	99,627	99,638	99,648	99,659	99,669	99,679	99,688	99,697
99,586	99,598	99,610	99,621	99,632	99,643	99,653	99,663	99,673	99,683
99,568	99,580	99,592	99,604	99,616	99,627	99,637	99,648	99,658	99,668
99,550	99,563	99,575	99,587	99,599	99,610	99,622	99,632	99,643	99,653
99,532	99,545	99,558	99,570	99,582	99,594	99,605	99,617	99,627	99,638
99,513	99,527	99,540	99,553	99,565	99,577	99,589	99,600	99,611	99,622
99,494	99,507	99,521	99,534	99,547	99,559	99,571	99,583	99,594	99,606
99,473	99,487	99,501	99,514	99,527	99,540	99,553	99,565	99,576	99,588
99,449	99,464	99,478	99,492	99,506	99,519	99,532	99,544	99,556	99,568
99,424	99,439	99,454	99,468	99,482	99,496	99,509	99,522	99,535	99,547
99,397	99,413	99,428	99,443	99,457	99,471	99,485	99,498	99,511	99,524
99,368	99,385	99,400	99,416	99,430	99,445	99,459	99,473	99,487	99,500
99,339	99,355	99,371	99,387	99,403	99,418	99,433	99,447	99,461	99,475
99,307	99,324	99,341	99,358	99,374	99,389	99,405	99,420	99,434	99,448
99,274	99,292	99,309	99,326	99,343	99,359	99,375	99,391	99,406	99,421
99,239	99,257	99,275	99,293	99,310	99,327	99,344	99,360	99,376	99,391
99,201	99,220	99,239	99,257	99,275	99,293	99,310	99,327	99,344	99,360
99,161	99,180	99,200	99,219	99,238	99,256	99,275	99,292	99,309	99,326
99,117	99,138	99,159	99,179	99,198	99,218	99,237	99,255	99,273	99,291
99,071	99,093	99,114	99,135	99,156	99,176	99,196	99,215	99,234	99,252
99,022	99,044	99,067	99,089	99,110	99,131	99,152	99,172	99,192	99,212
98,968	98,992	99,015	99,038	99,061	99,083	99,105	99,126	99,147	99,167
98,910	98,935	98,960	98,984	99,008	99,031	99,054	99,077	99,098	99,120
98,848	98,874	98,900	98,925	98,951	98,975	98,999	99,023	99,046	99,068
98,780	98,808	98,836	98,862	98,889	98,915	98,940	98,965	98,990	99,013
98,708	98,738	98,766	98,795	98,823	98,850	98,877	98,903	98,929	98,954
98,630	98,662	98,692	98,722	98,752	98,781	98,809	98,837	98,864	98,891
98,547	98,580	98,612	98,644	98,675	98,706	98,736	98,766	98,795	98,823
98,457	98,492	98,526	98,560	98,594	98,626	98,658	98,690	98,720	98,750
98,360	98,398	98,434	98,470	98,506	98,540	98,575	98,608	98,640	98,672
98,257	98,297	98,336	98,374	98,412	98,449	98,485	98,520	98,555	98,589
98,146	98,188	98,230	98,271	98,311	98,350	98,389	98,427	98,464	98,500
98,027	98,073	98,117	98,160	98,203	98,245	98,286	98,327	98,366	98,404

97,900	97,949	97,996	98,042	98,088	98,133	98,176	98,219	98,261	98,302
97,765	97,817	97,867	97,917	97,965	98,013	98,060	98,105	98,150	98,194
97,621	97,676	97,730	97,783	97,835	97,885	97,935	97,984	98,032	98,078
97,467	97,525	97,583	97,639	97,695	97,749	97,802	97,854	97,905	97,954
97,300	97,363	97,424	97,484	97,544	97,601	97,658	97,714	97,768	97,821
97,117	97,184	97,250	97,314	97,377	97,439	97,500	97,559	97,617	97,673
96,913	96,985	97,056	97,125	97,193	97,259	97,323	97,387	97,449	97,509
96,686	96,764	96,839	96,913	96,986	97,057	97,126	97,194	97,260	97,325
96,434	96,517	96,598	96,677	96,755	96,831	96,906	96,978	97,050	97,119
96,156	96,245	96,332	96,417	96,501	96,583	96,663	96,741	96,817	96,892
95,852	95,948	96,042	96,134	96,224	96,312	96,398	96,482	96,564	96,644
95,524	95,627	95,729	95,827	95,924	96,019	96,111	96,202	96,290	96,377
95,169	95,281	95,390	95,496	95,600	95,702	95,802	95,899	95,994	96,088
94,785	94,905	95,023	95,138	95,250	95,360	95,467	95,572	95,675	95,775
94,368	94,498	94,625	94,749	94,870	94,988	95,104	95,218	95,328	95,437
93,913	94,053	94,191	94,325	94,455	94,584	94,709	94,831	94,951	95,067
93,414	93,566	93,714	93,859	94,001	94,139	94,275	94,407	94,536	94,663
92,864	93,029	93,189	93,346	93,500	93,650	93,796	93,940	94,080	94,217
92,255	92,433	92,607	92,778	92,944	93,107	93,266	93,421	93,573	93,722
91,577	91,771	91,960	92,145	92,325	92,502	92,675	92,844	93,009	93,170
90,822	91,032	91,238	91,438	91,635	91,827	92,015	92,198	92,378	92,553
89,980	90,208	90,431	90,650	90,863	91,072	91,276	91,476	91,671	91,862
89,038	89,286	89,529	89,766	89,999	90,226	90,448	90,665	90,878	91,086
87,981	88,251	88,515	88,773	89,026	89,273	89,515	89,752	89,983	90,210
86,790	87,084	87,371	87,652	87,927	88,196	88,460	88,718	88,970	89,218
85,446	85,765	86,077	86,383	86,683	86,976	87,263	87,544	87,820	88,089
83,925	84,272	84,612	84,944	85,270	85,590	85,903	86,209	86,510	86,804
82,205	82,582	82,950	83,312	83,667	84,014	84,355	84,689	85,017	85,338
80,262	80,670	81,070	81,462	81,848	82,225	82,596	82,960	83,317	83,667
78,072	78,512	78,945	79,370	79,788	80,197	80,600	80,995	81,383	81,764
75,608	76,082	76,549	77,008	77,458	77,902	78,337	78,765	79,186	79,599
72,842	73,351	73,852	74,344	74,829	75,306	75,776	76,237	76,692	77,138
69,748	70,290	70,824	71,351	71,869	72,380	72,883	73,378	73,866	74,347
66,302	66,875	67,441	67,999	68,550	69,093	69,628	70,156	70,677	71,190
62,490	63,090	63,684	64,270	64,850	65,422	65,987	66,546	67,097	67,641
58,308	58,930	59,546	60,155	60,758	61,355	61,946	62,529	63,107	63,678
53,771	54,406	55,036	55,661	56,281	56,895	57,504	58,107	58,705	59,296
48,914	49,552	50,187	50,818	51,444	52,067	52,685	53,299	53,907	54,511
43,797	44,426	45,054	45,678	46,300	46,920	47,536	48,149	48,758	49,364
38,506	39,113	39,719	40,324	40,928	41,531	42,132	42,731	43,328	43,923
33,183	33,754	34,325	34,897	35,469	36,042	36,614	37,186	37,757	38,326
28,065	28,589	29,115	29,644	30,174	30,705	31,238	31,771	32,305	32,838
23,315	23,787	24,262	24,740	25,220	25,703	26,188	26,675	27,164	27,653
19,015	19,430	19,850	20,273	20,699	21,128	21,561	21,995	22,432	22,872
15,190	15,548	15,909	16,274	16,643	17,016	17,392	17,771	18,153	18,537
11,885	12,184	12,488	12,796	13,108	13,424	13,744	14,066	14,392	14,721
9,104	9,350	9,599	9,853	10,111	10,372	10,637	10,905	11,176	11,450
6,826	7,023	7,223	7,427	7,635	7,846	8,060	8,278	8,498	8,722
5,008	5,162	5,319	5,479	5,642	5,809	5,978	6,151	6,326	6,503
3,538	3,652	3,768	3,888	4,009	4,134	4,261	4,390	4,522	4,656
2,413	2,493	2,576	2,660	2,747	2,835	2,926	3,018	3,112	3,208
1,608	1,663	1,719	1,777	1,836	1,896	1,958	2,022	2,087	2,153
1,047	1,083	1,120	1,158	1,197	1,237	1,277	1,319	1,362	1,405
668	691	715	739	764	790	816	843	871	899
417	432	447	462	478	495	511	528	546	564
255	264	274	283	293	303	314	324	335	346
153	159	164	170	176	182	189	195	202	208
90	93	97	100	104	107	111	115	119	123
52	54	56	58	60	62	64	66	69	71
29	30	31	33	34	35	36	38	39	40
16	17	17	18	19	19	20	21	22	22

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,809	99,816	99,822	99,828	99,834	99,839	99,845	99,850	99,855	99,860
99,796	99,803	99,810	99,816	99,823	99,829	99,834	99,840	99,846	99,851
99,789	99,796	99,803	99,810	99,816	99,822	99,828	99,834	99,840	99,845
99,783	99,791	99,798	99,805	99,812	99,818	99,824	99,830	99,836	99,842
99,779	99,787	99,794	99,801	99,808	99,815	99,821	99,827	99,833	99,839
99,776	99,783	99,791	99,798	99,805	99,812	99,818	99,824	99,830	99,836
99,773	99,780	99,788	99,795	99,802	99,809	99,815	99,822	99,828	99,834
99,770	99,778	99,785	99,793	99,800	99,807	99,813	99,820	99,826	99,832
99,767	99,775	99,783	99,790	99,797	99,804	99,811	99,818	99,824	99,830
99,764	99,772	99,780	99,788	99,795	99,802	99,809	99,815	99,822	99,828
99,761	99,770	99,778	99,785	99,793	99,800	99,807	99,813	99,820	99,826
99,758	99,766	99,774	99,782	99,790	99,797	99,804	99,811	99,817	99,823
99,754	99,763	99,771	99,779	99,786	99,794	99,801	99,808	99,814	99,820
99,750	99,758	99,767	99,775	99,782	99,790	99,797	99,804	99,811	99,817
99,744	99,753	99,761	99,770	99,778	99,785	99,792	99,800	99,806	99,813
99,736	99,745	99,754	99,762	99,771	99,778	99,786	99,793	99,800	99,807
99,724	99,733	99,742	99,751	99,759	99,767	99,775	99,783	99,790	99,797
99,705	99,715	99,724	99,733	99,742	99,751	99,759	99,767	99,775	99,782
99,681	99,691	99,701	99,711	99,720	99,729	99,738	99,747	99,755	99,763
99,653	99,664	99,675	99,685	99,695	99,705	99,714	99,723	99,732	99,740
99,621	99,633	99,645	99,656	99,666	99,677	99,687	99,696	99,706	99,715
99,586	99,599	99,611	99,622	99,634	99,645	99,655	99,666	99,676	99,685
99,548	99,561	99,574	99,586	99,599	99,610	99,622	99,633	99,643	99,653
99,508	99,522	99,536	99,549	99,561	99,574	99,586	99,597	99,609	99,620
99,466	99,480	99,495	99,508	99,522	99,535	99,547	99,559	99,571	99,583
99,421	99,436	99,451	99,465	99,479	99,493	99,506	99,519	99,531	99,543
99,372	99,388	99,404	99,419	99,433	99,447	99,461	99,475	99,488	99,500
99,319	99,335	99,351	99,367	99,382	99,397	99,412	99,426	99,439	99,453
99,260	99,277	99,294	99,310	99,326	99,341	99,356	99,371	99,385	99,399
99,195	99,213	99,230	99,247	99,264	99,280	99,296	99,311	99,326	99,340
99,124	99,143	99,161	99,178	99,196	99,213	99,229	99,245	99,261	99,276
99,049	99,069	99,088	99,106	99,124	99,142	99,159	99,176	99,192	99,208
98,972	98,992	99,012	99,031	99,050	99,068	99,086	99,104	99,121	99,138
98,892	98,913	98,934	98,954	98,974	98,994	99,013	99,031	99,049	99,067
98,812	98,834	98,856	98,877	98,898	98,919	98,938	98,958	98,977	98,996
98,732	98,756	98,779	98,801	98,823	98,844	98,865	98,886	98,906	98,926
98,654	98,679	98,703	98,726	98,749	98,772	98,794	98,816	98,837	98,857
98,576	98,602	98,628	98,652	98,677	98,700	98,724	98,746	98,769	98,791
98,499	98,526	98,553	98,579	98,605	98,630	98,654	98,678	98,702	98,725
98,421	98,449	98,477	98,505	98,532	98,558	98,584	98,609	98,634	98,658
98,341	98,371	98,401	98,430	98,458	98,486	98,513	98,540	98,566	98,591
98,258	98,290	98,321	98,352	98,382	98,411	98,440	98,468	98,495	98,522
98,173	98,206	98,239	98,272	98,303	98,334	98,364	98,394	98,423	98,451
98,083	98,119	98,154	98,188	98,221	98,254	98,285	98,317	98,347	98,377
97,990	98,027	98,064	98,100	98,135	98,169	98,203	98,236	98,268	98,300
97,891	97,931	97,970	98,008	98,045	98,081	98,117	98,152	98,186	98,219
97,788	97,830	97,871	97,911	97,950	97,989	98,026	98,063	98,099	98,135
97,678	97,723	97,766	97,809	97,850	97,891	97,931	97,970	98,008	98,046
97,564	97,611	97,657	97,702	97,746	97,789	97,831	97,873	97,913	97,953
97,443	97,493	97,542	97,590	97,637	97,682	97,727	97,771	97,814	97,856
97,317	97,370	97,422	97,472	97,522	97,571	97,618	97,665	97,710	97,755
97,184	97,240	97,295	97,349	97,402	97,454	97,504	97,554	97,602	97,649
97,045	97,104	97,163	97,220	97,276	97,331	97,385	97,437	97,489	97,539
96,897	96,961	97,023	97,084	97,144	97,202	97,259	97,315	97,370	97,423
96,740	96,808	96,875	96,940	97,003	97,065	97,126	97,185	97,243	97,300

1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	1	1	1	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,828	99,833	99,838	99,844	99,849	99,854	99,858	99,863	99,867	99,872
99,818	99,824	99,830	99,835	99,841	99,846	99,851	99,856	99,860	99,865
99,812	99,818	99,824	99,830	99,835	99,841	99,846	99,851	99,856	99,860
99,806	99,813	99,819	99,825	99,830	99,836	99,841	99,846	99,851	99,856
99,802	99,808	99,815	99,821	99,827	99,832	99,838	99,843	99,848	99,853
99,798	99,805	99,811	99,817	99,823	99,829	99,834	99,840	99,845	99,850
99,795	99,801	99,808	99,814	99,820	99,826	99,832	99,837	99,843	99,848
99,792	99,799	99,805	99,812	99,818	99,824	99,829	99,835	99,840	99,846
99,789	99,796	99,803	99,809	99,816	99,822	99,828	99,833	99,839	99,844
99,787	99,794	99,801	99,807	99,814	99,820	99,826	99,831	99,837	99,842
99,785	99,792	99,799	99,805	99,812	99,818	99,824	99,830	99,835	99,841
99,782	99,789	99,796	99,803	99,809	99,816	99,822	99,827	99,833	99,839
99,779	99,786	99,793	99,800	99,807	99,813	99,819	99,825	99,831	99,836
99,775	99,782	99,789	99,796	99,803	99,809	99,815	99,821	99,827	99,833
99,768	99,775	99,783	99,790	99,796	99,803	99,809	99,815	99,821	99,827
99,759	99,766	99,774	99,781	99,788	99,794	99,801	99,807	99,813	99,819
99,747	99,755	99,762	99,770	99,777	99,784	99,791	99,797	99,803	99,809
99,734	99,742	99,750	99,758	99,765	99,772	99,779	99,786	99,792	99,799
99,721	99,729	99,737	99,745	99,753	99,760	99,767	99,774	99,781	99,787
99,706	99,715	99,724	99,732	99,740	99,747	99,755	99,762	99,769	99,776
99,692	99,701	99,710	99,718	99,726	99,734	99,742	99,749	99,757	99,764
99,677	99,687	99,696	99,704	99,713	99,721	99,729	99,737	99,744	99,751
99,663	99,672	99,682	99,691	99,699	99,708	99,716	99,724	99,732	99,739
99,648	99,658	99,667	99,677	99,686	99,694	99,703	99,711	99,719	99,727
99,633	99,643	99,653	99,662	99,671	99,680	99,689	99,698	99,706	99,714
99,616	99,627	99,637	99,647	99,656	99,666	99,675	99,684	99,692	99,700
99,599	99,610	99,620	99,630	99,640	99,650	99,659	99,668	99,677	99,686
99,580	99,591	99,602	99,612	99,622	99,632	99,642	99,651	99,661	99,669
99,559	99,570	99,581	99,592	99,603	99,613	99,623	99,633	99,642	99,652
99,536	99,548	99,560	99,571	99,582	99,593	99,603	99,613	99,623	99,633
99,512	99,525	99,537	99,549	99,560	99,571	99,582	99,593	99,603	99,613
99,488	99,501	99,513	99,526	99,538	99,549	99,560	99,571	99,582	99,592
99,462	99,476	99,489	99,501	99,514	99,526	99,537	99,549	99,560	99,571
99,435	99,449	99,462	99,476	99,489	99,501	99,513	99,525	99,537	99,548
99,406	99,421	99,435	99,449	99,462	99,475	99,488	99,500	99,513	99,524
99,375	99,390	99,405	99,420	99,434	99,448	99,461	99,474	99,487	99,499
99,342	99,358	99,374	99,389	99,404	99,418	99,432	99,446	99,459	99,472
99,308	99,324	99,341	99,356	99,372	99,387	99,402	99,416	99,430	99,443
99,270	99,288	99,305	99,322	99,338	99,354	99,369	99,384	99,399	99,413
99,230	99,249	99,267	99,284	99,301	99,318	99,334	99,350	99,365	99,380
99,187	99,206	99,225	99,244	99,262	99,279	99,296	99,313	99,329	99,345
99,141	99,161	99,181	99,200	99,219	99,237	99,255	99,273	99,290	99,307
99,090	99,112	99,133	99,153	99,173	99,192	99,211	99,230	99,248	99,265
99,037	99,059	99,081	99,103	99,124	99,144	99,164	99,184	99,203	99,221
98,979	99,003	99,026	99,049	99,071	99,093	99,114	99,135	99,155	99,174
98,917	98,942	98,967	98,991	99,015	99,038	99,060	99,082	99,103	99,124
98,851	98,877	98,904	98,929	98,954	98,979	99,002	99,026	99,048	99,070
98,780	98,808	98,836	98,863	98,890	98,915	98,941	98,965	98,989	99,013
98,703	98,734	98,763	98,792	98,820	98,848	98,875	98,901	98,927	98,952
98,622	98,654	98,686	98,717	98,747	98,776	98,804	98,832	98,860	98,886
98,535	98,569	98,603	98,636	98,668	98,699	98,729	98,759	98,788	98,816
98,442	98,478	98,514	98,549	98,583	98,616	98,649	98,680	98,711	98,741

98,342	98,381	98,419	98,456	98,493	98,528	98,563	98,596	98,629	98,661
98,236	98,278	98,318	98,358	98,397	98,434	98,471	98,507	98,542	98,576
98,123	98,168	98,211	98,253	98,294	98,335	98,374	98,412	98,450	98,486
98,003	98,050	98,096	98,141	98,185	98,228	98,270	98,311	98,350	98,389
97,872	97,923	97,972	98,020	98,067	98,112	98,157	98,201	98,243	98,285
97,728	97,782	97,835	97,886	97,936	97,985	98,033	98,079	98,125	98,169
97,568	97,626	97,682	97,737	97,790	97,842	97,893	97,943	97,992	98,039
97,388	97,450	97,510	97,569	97,626	97,682	97,737	97,790	97,842	97,893
97,187	97,253	97,318	97,381	97,442	97,503	97,561	97,619	97,675	97,729
96,965	97,036	97,105	97,173	97,239	97,304	97,367	97,429	97,489	97,548
96,723	96,799	96,874	96,947	97,018	97,088	97,156	97,222	97,287	97,351
96,461	96,543	96,624	96,702	96,779	96,854	96,927	96,999	97,069	97,137
96,178	96,267	96,354	96,439	96,521	96,602	96,681	96,758	96,834	96,907
95,873	95,969	96,062	96,154	96,243	96,330	96,415	96,499	96,580	96,659
95,542	95,646	95,746	95,845	95,941	96,036	96,127	96,217	96,305	96,391
95,182	95,293	95,402	95,509	95,613	95,715	95,814	95,911	96,006	96,099
94,786	94,907	95,025	95,140	95,253	95,363	95,471	95,576	95,678	95,779
94,350	94,481	94,609	94,734	94,856	94,975	95,092	95,206	95,317	95,426
93,867	94,009	94,147	94,283	94,415	94,545	94,671	94,795	94,916	95,034
93,328	93,482	93,632	93,780	93,924	94,064	94,202	94,336	94,468	94,596
92,724	92,892	93,056	93,216	93,373	93,526	93,676	93,822	93,965	94,105
92,049	92,232	92,410	92,585	92,755	92,922	93,085	93,245	93,401	93,553
91,290	91,489	91,683	91,873	92,060	92,242	92,420	92,594	92,764	92,930
90,432	90,649	90,861	91,069	91,272	91,471	91,665	91,855	92,041	92,223
89,459	89,696	89,928	90,155	90,377	90,594	90,806	91,014	91,217	91,416
88,353	88,612	88,865	89,113	89,355	89,593	89,825	90,053	90,276	90,493
87,092	87,375	87,651	87,922	88,188	88,447	88,702	88,951	89,195	89,434
85,652	85,961	86,263	86,559	86,850	87,134	87,413	87,686	87,953	88,216
84,010	84,346	84,677	85,000	85,318	85,629	85,934	86,233	86,527	86,814
82,137	82,504	82,864	83,217	83,564	83,904	84,238	84,565	84,887	85,201
80,005	80,403	80,795	81,180	81,557	81,928	82,293	82,650	83,001	83,346
77,577	78,009	78,434	78,851	79,261	79,665	80,061	80,450	80,833	81,209
74,820	75,285	75,743	76,194	76,638	77,074	77,503	77,926	78,341	78,750
71,696	72,195	72,686	73,170	73,647	74,117	74,579	75,035	75,483	75,925
68,178	68,708	69,230	69,746	70,255	70,757	71,252	71,740	72,221	72,695
64,242	64,800	65,351	65,895	66,433	66,964	67,488	68,006	68,517	69,022
59,882	60,462	61,036	61,603	62,165	62,721	63,270	63,814	64,351	64,883
55,110	55,704	56,293	56,877	57,455	58,029	58,596	59,159	59,716	60,267
49,965	50,563	51,157	51,747	52,332	52,913	53,490	54,062	54,629	55,193
44,514	45,104	45,690	46,273	46,853	47,430	48,004	48,574	49,141	49,704
38,895	39,461	40,027	40,590	41,151	41,711	42,268	42,824	43,377	43,927
33,372	33,905	34,438	34,970	35,501	36,032	36,561	37,090	37,618	38,144
28,143	28,634	29,126	29,618	30,110	30,602	31,095	31,588	32,080	32,573
23,312	23,755	24,198	24,643	25,089	25,537	25,985	26,435	26,885	27,336
18,924	19,313	19,704	20,097	20,492	20,888	21,287	21,687	22,088	22,491
15,052	15,386	15,722	16,061	16,402	16,745	17,091	17,438	17,788	18,140
11,727	12,007	12,290	12,575	12,862	13,153	13,445	13,740	14,038	14,338
8,948	9,177	9,409	9,643	9,880	10,119	10,361	10,606	10,853	11,102
6,684	6,867	7,052	7,240	7,431	7,624	7,819	8,017	8,218	8,420
4,792	4,931	5,072	5,215	5,360	5,507	5,656	5,808	5,961	6,117
3,306	3,406	3,507	3,610	3,715	3,821	3,930	4,040	4,151	4,265
2,220	2,289	2,358	2,430	2,502	2,576	2,651	2,727	2,804	2,883
1,450	1,495	1,541	1,588	1,636	1,685	1,734	1,785	1,836	1,888
928	957	987	1,017	1,048	1,080	1,112	1,145	1,178	1,212
582	600	619	639	658	678	699	720	741	762
358	369	381	393	405	418	430	443	457	470
215	222	230	237	244	252	260	268	276	284
127	131	136	140	144	149	154	158	163	168
74	76	79	81	84	86	89	92	95	98
42	43	45	46	48	49	51	52	54	56
23	24	25	26	26	27	28	29	30	31

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,865	99,869	99,874	99,878	99,882	99,886	99,890	99,894	99,897	99,901
99,856	99,861	99,866	99,870	99,875	99,879	99,883	99,887	99,891	99,895
99,851	99,856	99,861	99,866	99,870	99,875	99,879	99,883	99,887	99,891
99,847	99,852	99,857	99,862	99,867	99,872	99,876	99,880	99,884	99,888
99,844	99,850	99,855	99,860	99,864	99,869	99,874	99,878	99,882	99,886
99,842	99,847	99,852	99,857	99,862	99,867	99,872	99,876	99,880	99,884
99,840	99,845	99,850	99,855	99,860	99,865	99,870	99,874	99,879	99,883
99,838	99,843	99,849	99,854	99,859	99,864	99,868	99,873	99,877	99,881
99,836	99,841	99,847	99,852	99,857	99,862	99,867	99,871	99,876	99,880
99,834	99,840	99,845	99,850	99,855	99,860	99,865	99,870	99,874	99,879
99,832	99,838	99,843	99,849	99,854	99,859	99,864	99,868	99,873	99,877
99,829	99,835	99,841	99,846	99,852	99,857	99,862	99,866	99,871	99,875
99,827	99,833	99,838	99,844	99,849	99,854	99,859	99,864	99,869	99,873
99,823	99,829	99,835	99,841	99,846	99,852	99,857	99,862	99,866	99,871
99,819	99,826	99,832	99,837	99,843	99,848	99,853	99,858	99,863	99,868
99,814	99,820	99,826	99,832	99,838	99,843	99,849	99,854	99,859	99,864
99,804	99,811	99,817	99,823	99,829	99,835	99,841	99,846	99,851	99,856
99,789	99,796	99,803	99,810	99,816	99,822	99,828	99,833	99,839	99,844
99,770	99,778	99,785	99,792	99,799	99,805	99,812	99,818	99,824	99,829
99,748	99,756	99,764	99,772	99,779	99,786	99,792	99,799	99,805	99,811
99,723	99,732	99,740	99,748	99,756	99,763	99,771	99,778	99,785	99,791
99,695	99,704	99,713	99,721	99,730	99,738	99,745	99,753	99,760	99,767
99,664	99,673	99,683	99,692	99,701	99,709	99,718	99,726	99,734	99,741
99,630	99,640	99,650	99,660	99,670	99,679	99,688	99,696	99,705	99,713
99,594	99,605	99,615	99,626	99,636	99,645	99,655	99,664	99,673	99,681
99,555	99,566	99,578	99,588	99,599	99,609	99,619	99,629	99,638	99,647
99,513	99,525	99,536	99,548	99,559	99,569	99,580	99,590	99,600	99,610
99,466	99,478	99,490	99,502	99,514	99,525	99,536	99,547	99,557	99,568
99,413	99,426	99,439	99,452	99,464	99,476	99,487	99,499	99,510	99,520
99,355	99,369	99,382	99,395	99,408	99,421	99,433	99,445	99,456	99,468
99,291	99,305	99,320	99,333	99,347	99,360	99,373	99,385	99,398	99,410
99,224	99,239	99,254	99,269	99,283	99,297	99,310	99,323	99,336	99,349
99,154	99,170	99,186	99,201	99,216	99,231	99,245	99,259	99,273	99,286
99,084	99,101	99,117	99,133	99,149	99,165	99,180	99,194	99,209	99,223
99,014	99,032	99,049	99,066	99,083	99,099	99,115	99,130	99,146	99,160
98,945	98,964	98,982	99,000	99,017	99,035	99,051	99,068	99,084	99,100
98,878	98,897	98,917	98,936	98,954	98,972	98,990	99,008	99,025	99,041
98,812	98,833	98,853	98,873	98,893	98,912	98,931	98,949	98,967	98,985
98,747	98,769	98,791	98,812	98,833	98,853	98,873	98,892	98,911	98,930
98,682	98,705	98,728	98,750	98,772	98,794	98,815	98,835	98,855	98,875
98,616	98,641	98,665	98,688	98,711	98,734	98,756	98,778	98,799	98,820
98,549	98,575	98,600	98,625	98,649	98,673	98,696	98,719	98,741	98,763
98,479	98,506	98,533	98,559	98,585	98,610	98,635	98,659	98,682	98,705
98,407	98,435	98,464	98,491	98,518	98,545	98,571	98,596	98,621	98,645
98,331	98,362	98,391	98,420	98,449	98,477	98,504	98,531	98,557	98,583
98,252	98,284	98,316	98,346	98,377	98,406	98,435	98,463	98,491	98,518
98,169	98,203	98,237	98,269	98,301	98,332	98,363	98,393	98,422	98,451
98,083	98,118	98,154	98,188	98,222	98,255	98,287	98,319	98,350	98,380
97,992	98,030	98,067	98,104	98,139	98,174	98,208	98,242	98,275	98,307
97,897	97,937	97,977	98,016	98,053	98,090	98,127	98,162	98,197	98,231
97,799	97,841	97,883	97,924	97,964	98,003	98,042	98,079	98,116	98,152
97,696	97,741	97,785	97,829	97,871	97,913	97,953	97,993	98,032	98,070
97,588	97,636	97,683	97,729	97,774	97,818	97,861	97,903	97,945	97,985
97,475	97,526	97,576	97,625	97,673	97,719	97,765	97,810	97,853	97,896
97,355	97,410	97,463	97,514	97,565	97,615	97,663	97,711	97,757	97,802

97,227	97,285	97,341	97,397	97,450	97,503	97,555	97,605	97,654	97,702
97,090	97,151	97,211	97,270	97,327	97,383	97,438	97,491	97,544	97,595
96,940	97,005	97,069	97,132	97,193	97,253	97,311	97,368	97,424	97,478
96,776	96,846	96,915	96,982	97,047	97,110	97,173	97,234	97,293	97,351
96,596	96,671	96,745	96,816	96,886	96,954	97,021	97,086	97,149	97,211
96,398	96,478	96,557	96,633	96,708	96,781	96,852	96,922	96,990	97,056
96,177	96,264	96,348	96,430	96,511	96,589	96,666	96,741	96,814	96,885
95,933	96,026	96,117	96,205	96,292	96,376	96,459	96,539	96,617	96,694
95,661	95,761	95,859	95,955	96,048	96,139	96,228	96,314	96,399	96,481
95,358	95,466	95,572	95,675	95,776	95,874	95,970	96,063	96,154	96,244
95,020	95,137	95,252	95,363	95,472	95,578	95,682	95,783	95,882	95,978
94,644	94,771	94,894	95,015	95,133	95,248	95,360	95,470	95,576	95,681
94,226	94,363	94,498	94,628	94,756	94,881	95,002	95,121	95,237	95,350
93,770	93,919	94,064	94,206	94,344	94,479	94,611	94,740	94,865	94,987
93,273	93,434	93,592	93,745	93,895	94,041	94,184	94,323	94,459	94,592
92,725	92,900	93,071	93,237	93,400	93,558	93,713	93,864	94,011	94,155
92,115	92,305	92,489	92,670	92,846	93,018	93,185	93,349	93,509	93,665
91,427	91,632	91,833	92,029	92,220	92,406	92,588	92,766	92,939	93,108
90,644	90,866	91,084	91,296	91,504	91,707	91,904	92,098	92,286	92,470
89,744	89,986	90,222	90,453	90,679	90,899	91,115	91,325	91,530	91,731
88,706	88,969	89,226	89,477	89,723	89,962	90,197	90,426	90,650	90,869
87,504	87,790	88,069	88,342	88,610	88,871	89,126	89,376	89,620	89,859
86,111	86,421	86,725	87,022	87,313	87,597	87,876	88,148	88,415	88,676
84,499	84,835	85,165	85,488	85,804	86,114	86,417	86,714	87,004	87,289
82,642	83,006	83,363	83,713	84,056	84,393	84,722	85,046	85,362	85,672
80,517	80,910	81,296	81,674	82,046	82,410	82,768	83,119	83,463	83,800
78,105	78,528	78,943	79,351	79,752	80,146	80,533	80,912	81,285	81,651
75,393	75,846	76,291	76,729	77,160	77,584	78,000	78,410	78,812	79,208
72,373	72,855	73,330	73,798	74,259	74,712	75,159	75,598	76,030	76,456
69,043	69,554	70,057	70,553	71,043	71,525	72,001	72,470	72,932	73,387
65,408	65,944	66,474	66,997	67,514	68,024	68,527	69,023	69,513	69,997
61,481	62,039	62,592	63,139	63,679	64,213	64,741	65,262	65,778	66,287
57,271	57,847	58,418	58,983	59,542	60,096	60,645	61,187	61,724	62,256
52,739	53,326	53,907	54,484	55,056	55,624	56,186	56,744	57,296	57,844
47,830	48,417	49,000	49,579	50,155	50,726	51,294	51,857	52,417	52,972
42,603	43,178	43,750	44,320	44,887	45,452	46,013	46,572	47,127	47,679
37,237	37,788	38,338	38,886	39,433	39,978	40,521	41,063	41,602	42,140
31,966	32,483	33,000	33,517	34,033	34,549	35,064	35,578	36,091	36,604
26,980	27,456	27,932	28,410	28,887	29,365	29,844	30,322	30,801	31,280
22,403	22,833	23,264	23,696	24,130	24,565	25,001	25,439	25,877	26,316
18,306	18,686	19,069	19,454	19,841	20,229	20,620	21,012	21,406	21,802
14,715	15,046	15,379	15,715	16,054	16,395	16,738	17,084	17,431	17,781
11,633	11,916	12,201	12,489	12,780	13,074	13,370	13,669	13,970	14,274
9,039	9,276	9,515	9,758	10,003	10,251	10,502	10,756	11,012	11,271
6,899	7,093	7,290	7,490	7,693	7,899	8,107	8,319	8,532	8,749
5,171	5,328	5,487	5,649	5,813	5,981	6,150	6,323	6,498	6,676
3,738	3,859	3,982	4,107	4,234	4,364	4,497	4,631	4,768	4,908
2,611	2,700	2,791	2,883	2,978	3,075	3,173	3,274	3,377	3,481
1,758	1,821	1,885	1,950	2,018	2,086	2,157	2,228	2,302	2,376
1,152	1,194	1,238	1,283	1,329	1,376	1,424	1,473	1,523	1,575
734	762	790	820	850	881	912	945	978	1,012
455	472	490	508	527	547	567	587	608	629
273	284	295	306	317	329	341	353	366	379
161	167	174	180	187	194	201	208	215	223
93	97	100	104	108	112	116	120	125	129
53	55	57	59	61	64	66	68	71	73
29	31	32	33	34	35	37	38	39	41
16	17	17	18	19	19	20	21	22	22
9	9	9	10	10	10	11	11	12	12
5	5	5	5	5	6	6	6	6	6
2	2	3	3	3	3	3	3	3	3

1	1	1	1	1	1	2	2	2	2
1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,876	99,880	99,884	99,887	99,891	99,894	99,898	99,901	99,904	99,907
99,869	99,873	99,878	99,882	99,885	99,889	99,893	99,896	99,900	99,903
99,865	99,869	99,873	99,878	99,882	99,885	99,889	99,893	99,896	99,900
99,861	99,865	99,870	99,874	99,878	99,882	99,886	99,890	99,893	99,897
99,858	99,863	99,867	99,871	99,876	99,880	99,884	99,887	99,891	99,895
99,855	99,860	99,864	99,869	99,873	99,877	99,881	99,885	99,889	99,892
99,853	99,857	99,862	99,867	99,871	99,875	99,879	99,883	99,887	99,891
99,851	99,856	99,860	99,865	99,869	99,874	99,878	99,882	99,886	99,889
99,849	99,854	99,859	99,863	99,868	99,872	99,876	99,880	99,884	99,888
99,847	99,852	99,857	99,862	99,866	99,871	99,875	99,879	99,883	99,887
99,846	99,851	99,856	99,860	99,865	99,869	99,874	99,878	99,882	99,886
99,844	99,849	99,854	99,859	99,863	99,868	99,872	99,876	99,880	99,884
99,842	99,847	99,852	99,857	99,861	99,866	99,870	99,874	99,878	99,882
99,838	99,843	99,848	99,853	99,858	99,863	99,867	99,871	99,876	99,880
99,833	99,838	99,843	99,848	99,853	99,858	99,862	99,867	99,871	99,875
99,825	99,830	99,836	99,841	99,846	99,851	99,855	99,860	99,864	99,869
99,815	99,821	99,827	99,832	99,837	99,842	99,847	99,852	99,856	99,861
99,805	99,811	99,816	99,822	99,827	99,833	99,838	99,843	99,847	99,852
99,794	99,800	99,806	99,812	99,817	99,823	99,828	99,833	99,838	99,843
99,782	99,789	99,795	99,801	99,807	99,812	99,818	99,823	99,828	99,833
99,770	99,777	99,783	99,790	99,796	99,802	99,807	99,813	99,818	99,823
99,759	99,765	99,772	99,778	99,785	99,791	99,797	99,802	99,808	99,813
99,747	99,754	99,761	99,767	99,774	99,780	99,786	99,792	99,798	99,803
99,734	99,742	99,749	99,756	99,763	99,769	99,775	99,782	99,787	99,793
99,722	99,729	99,737	99,744	99,751	99,758	99,764	99,771	99,777	99,783
99,708	99,716	99,724	99,731	99,739	99,746	99,752	99,759	99,765	99,772
99,694	99,702	99,710	99,718	99,725	99,732	99,739	99,746	99,753	99,759
99,678	99,687	99,695	99,703	99,710	99,718	99,725	99,732	99,739	99,746
99,661	99,669	99,678	99,686	99,694	99,702	99,710	99,717	99,724	99,731
99,642	99,651	99,660	99,669	99,677	99,685	99,693	99,701	99,708	99,715
99,623	99,632	99,641	99,650	99,659	99,667	99,676	99,684	99,692	99,699
99,603	99,612	99,622	99,631	99,640	99,649	99,658	99,666	99,674	99,682
99,581	99,592	99,602	99,611	99,621	99,630	99,639	99,648	99,657	99,665
99,559	99,570	99,581	99,591	99,601	99,610	99,620	99,629	99,638	99,647
99,536	99,547	99,558	99,569	99,579	99,589	99,599	99,609	99,618	99,627
99,511	99,523	99,534	99,545	99,556	99,567	99,577	99,587	99,597	99,607
99,485	99,497	99,509	99,521	99,532	99,543	99,554	99,564	99,575	99,585
99,457	99,470	99,482	99,494	99,506	99,518	99,529	99,541	99,551	99,562
99,427	99,440	99,454	99,466	99,479	99,491	99,503	99,515	99,526	99,537
99,395	99,409	99,423	99,436	99,450	99,463	99,475	99,487	99,499	99,511
99,360	99,375	99,390	99,404	99,418	99,432	99,445	99,458	99,470	99,483
99,323	99,339	99,354	99,369	99,384	99,398	99,412	99,426	99,439	99,452
99,283	99,299	99,316	99,332	99,347	99,362	99,377	99,392	99,406	99,419
99,240	99,257	99,275	99,291	99,308	99,324	99,339	99,355	99,370	99,384
99,194	99,212	99,231	99,248	99,266	99,283	99,299	99,316	99,331	99,347
99,144	99,164	99,184	99,203	99,221	99,239	99,257	99,274	99,290	99,307
99,092	99,113	99,133	99,154	99,173	99,192	99,211	99,229	99,247	99,264
99,036	99,058	99,080	99,101	99,122	99,142	99,162	99,182	99,201	99,219
98,976	99,000	99,023	99,046	99,068	99,089	99,111	99,131	99,151	99,171
98,912	98,937	98,962	98,986	99,010	99,033	99,055	99,077	99,099	99,119
98,844	98,871	98,897	98,923	98,948	98,972	98,996	99,020	99,042	99,065
98,771	98,799	98,828	98,855	98,882	98,908	98,933	98,958	98,982	99,006

98,693	98,723	98,753	98,782	98,811	98,839	98,866	98,892	98,918	98,943
98,610	98,642	98,674	98,705	98,736	98,765	98,794	98,822	98,850	98,877
98,522	98,557	98,590	98,624	98,656	98,688	98,718	98,748	98,778	98,806
98,427	98,464	98,501	98,536	98,570	98,604	98,637	98,669	98,700	98,731
98,325	98,365	98,403	98,441	98,478	98,514	98,549	98,583	98,616	98,649
98,212	98,255	98,296	98,336	98,375	98,414	98,451	98,488	98,523	98,558
98,086	98,131	98,175	98,218	98,260	98,301	98,341	98,381	98,419	98,456
97,943	97,991	98,039	98,085	98,130	98,174	98,217	98,259	98,300	98,340
97,783	97,835	97,886	97,935	97,984	98,031	98,078	98,123	98,167	98,210
97,606	97,662	97,716	97,770	97,822	97,873	97,923	97,972	98,019	98,066
97,412	97,473	97,532	97,590	97,646	97,701	97,755	97,807	97,858	97,908
97,204	97,269	97,333	97,395	97,455	97,515	97,573	97,629	97,684	97,738
96,979	97,049	97,118	97,185	97,251	97,315	97,377	97,438	97,498	97,556
96,737	96,813	96,887	96,959	97,030	97,099	97,166	97,232	97,296	97,359
96,475	96,557	96,636	96,715	96,791	96,865	96,938	97,009	97,079	97,147
96,189	96,278	96,364	96,449	96,531	96,612	96,690	96,767	96,843	96,916
95,877	95,972	96,066	96,157	96,247	96,334	96,419	96,503	96,584	96,663
95,532	95,636	95,737	95,836	95,933	96,028	96,120	96,210	96,299	96,385
95,149	95,262	95,372	95,480	95,585	95,688	95,788	95,886	95,982	96,076
94,721	94,844	94,964	95,081	95,195	95,307	95,416	95,523	95,627	95,729
94,242	94,375	94,506	94,633	94,758	94,880	94,999	95,115	95,229	95,340
93,702	93,848	93,990	94,129	94,265	94,398	94,528	94,655	94,779	94,901
93,093	93,252	93,407	93,559	93,708	93,853	93,995	94,134	94,270	94,402
92,401	92,575	92,745	92,911	93,074	93,233	93,388	93,540	93,689	93,834
91,611	91,801	91,988	92,170	92,348	92,522	92,693	92,859	93,022	93,182
90,707	90,915	91,120	91,319	91,515	91,706	91,893	92,076	92,255	92,431
89,668	89,897	90,121	90,340	90,555	90,765	90,971	91,172	91,369	91,562
88,472	88,724	88,970	89,211	89,447	89,678	89,905	90,126	90,344	90,556
87,096	87,372	87,642	87,907	88,167	88,422	88,671	88,915	89,154	89,389
85,510	85,813	86,110	86,402	86,687	86,967	87,242	87,511	87,774	88,033
83,684	84,016	84,342	84,661	84,975	85,282	85,584	85,880	86,171	86,456
81,578	81,941	82,297	82,647	82,991	83,328	83,659	83,985	84,304	84,617
79,151	79,546	79,935	80,316	80,692	81,060	81,423	81,779	82,129	82,473
76,360	76,788	77,209	77,624	78,031	78,433	78,828	79,216	79,598	79,974
73,162	73,623	74,077	74,524	74,965	75,399	75,826	76,247	76,662	77,070
69,520	70,012	70,497	70,976	71,448	71,914	72,373	72,826	73,273	73,713
65,408	65,927	66,440	66,946	67,447	67,942	68,430	68,913	69,389	69,859
60,814	61,354	61,889	62,419	62,943	63,461	63,974	64,481	64,983	65,479
55,751	56,305	56,854	57,398	57,938	58,473	59,003	59,528	60,048	60,563
50,264	50,820	51,372	51,921	52,465	53,006	53,543	54,076	54,605	55,129
44,475	45,021	45,564	46,104	46,642	47,176	47,708	48,236	48,762	49,284
38,669	39,192	39,714	40,234	40,753	41,270	41,785	42,298	42,809	43,318
33,065	33,557	34,048	34,539	35,029	35,518	36,007	36,494	36,981	37,466
27,787	28,239	28,692	29,145	29,598	30,051	30,505	30,958	31,412	31,865
22,896	23,301	23,708	24,116	24,525	24,936	25,346	25,758	26,171	26,584
18,493	18,849	19,206	19,565	19,926	20,288	20,652	21,017	21,383	21,751
14,640	14,944	15,250	15,558	15,869	16,181	16,495	16,812	17,130	17,449
11,354	11,608	11,865	12,124	12,385	12,648	12,913	13,180	13,450	13,721
8,626	8,833	9,043	9,255	9,469	9,685	9,904	10,125	10,348	10,573
6,275	6,435	6,597	6,761	6,927	7,095	7,265	7,438	7,612	7,788
4,380	4,496	4,615	4,735	4,857	4,980	5,105	5,232	5,361	5,491
2,963	3,044	3,127	3,211	3,296	3,382	3,470	3,559	3,649	3,740
1,941	1,995	2,050	2,105	2,162	2,219	2,277	2,336	2,396	2,457
1,246	1,281	1,317	1,353	1,390	1,427	1,465	1,503	1,542	1,582
784	807	829	852	876	900	924	948	973	999
484	498	512	526	541	556	571	586	602	618
292	301	310	318	327	337	346	355	365	375
173	178	184	189	194	200	205	211	217	223
101	104	107	110	113	116	120	123	126	130
57	59	61	63	65	66	68	70	72	74
32	33	34	35	36	37	38	39	41	42

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,904	99,907	99,911	99,914	99,917	99,919	99,922	99,925	99,927	99,930
99,898	99,902	99,905	99,908	99,911	99,914	99,917	99,920	99,923	99,926
99,895	99,898	99,902	99,905	99,908	99,911	99,914	99,917	99,920	99,923
99,892	99,896	99,899	99,903	99,906	99,909	99,912	99,915	99,918	99,921
99,890	99,894	99,897	99,901	99,904	99,908	99,911	99,914	99,917	99,920
99,888	99,892	99,896	99,899	99,903	99,906	99,909	99,912	99,915	99,918
99,887	99,891	99,894	99,898	99,902	99,905	99,908	99,911	99,914	99,917
99,885	99,889	99,893	99,897	99,900	99,904	99,907	99,910	99,913	99,916
99,884	99,888	99,892	99,896	99,899	99,903	99,906	99,909	99,912	99,915
99,883	99,887	99,891	99,894	99,898	99,902	99,905	99,908	99,911	99,914
99,881	99,885	99,889	99,893	99,897	99,900	99,904	99,907	99,910	99,913
99,880	99,884	99,888	99,892	99,895	99,899	99,902	99,906	99,909	99,912
99,878	99,882	99,886	99,890	99,894	99,897	99,901	99,904	99,907	99,911
99,875	99,880	99,884	99,888	99,892	99,895	99,899	99,902	99,906	99,909
99,872	99,877	99,881	99,885	99,889	99,893	99,896	99,900	99,903	99,907
99,868	99,873	99,877	99,881	99,885	99,889	99,893	99,897	99,900	99,904
99,861	99,866	99,870	99,875	99,879	99,883	99,887	99,891	99,894	99,898
99,849	99,854	99,859	99,864	99,868	99,873	99,877	99,881	99,885	99,889
99,835	99,840	99,845	99,850	99,855	99,860	99,864	99,869	99,873	99,877
99,817	99,823	99,829	99,834	99,839	99,844	99,849	99,854	99,858	99,863
99,798	99,804	99,810	99,815	99,821	99,827	99,832	99,837	99,842	99,847
99,774	99,781	99,787	99,794	99,800	99,806	99,811	99,817	99,822	99,827
99,749	99,756	99,763	99,769	99,776	99,782	99,788	99,794	99,800	99,806
99,721	99,728	99,736	99,743	99,750	99,757	99,763	99,770	99,776	99,782
99,690	99,698	99,706	99,713	99,721	99,728	99,735	99,742	99,749	99,755
99,656	99,665	99,673	99,681	99,689	99,697	99,704	99,712	99,719	99,726
99,619	99,628	99,637	99,646	99,654	99,662	99,670	99,678	99,686	99,693
99,578	99,587	99,597	99,606	99,615	99,623	99,632	99,640	99,648	99,656
99,531	99,541	99,551	99,561	99,570	99,579	99,588	99,597	99,606	99,614
99,479	99,489	99,500	99,510	99,520	99,530	99,539	99,549	99,558	99,567
99,421	99,433	99,444	99,455	99,465	99,475	99,486	99,495	99,505	99,515
99,361	99,373	99,385	99,396	99,408	99,419	99,429	99,440	99,450	99,460
99,299	99,312	99,324	99,336	99,348	99,360	99,371	99,382	99,393	99,404
99,237	99,250	99,263	99,276	99,289	99,301	99,313	99,325	99,337	99,348
99,175	99,189	99,203	99,217	99,230	99,243	99,256	99,269	99,281	99,293
99,115	99,130	99,145	99,160	99,174	99,188	99,201	99,215	99,228	99,241
99,058	99,074	99,089	99,105	99,120	99,135	99,149	99,163	99,177	99,191
99,002	99,019	99,036	99,052	99,068	99,084	99,099	99,114	99,129	99,143
98,948	98,966	98,983	99,001	99,018	99,034	99,050	99,066	99,082	99,097
98,894	98,913	98,932	98,950	98,968	98,985	99,002	99,019	99,035	99,051
98,840	98,860	98,879	98,899	98,917	98,936	98,954	98,972	98,989	99,006
98,785	98,806	98,826	98,847	98,866	98,886	98,905	98,924	98,942	98,960
98,728	98,750	98,772	98,793	98,814	98,835	98,855	98,874	98,894	98,913
98,669	98,693	98,716	98,738	98,760	98,782	98,803	98,824	98,844	98,864
98,608	98,633	98,657	98,681	98,704	98,727	98,750	98,771	98,793	98,814
98,545	98,571	98,597	98,622	98,646	98,670	98,694	98,717	98,740	98,762
98,479	98,506	98,533	98,560	98,586	98,611	98,636	98,661	98,685	98,708
98,410	98,439	98,468	98,496	98,523	98,550	98,576	98,602	98,627	98,652
98,338	98,369	98,399	98,429	98,458	98,486	98,514	98,541	98,568	98,594
98,264	98,297	98,329	98,360	98,391	98,421	98,450	98,479	98,507	98,535
98,187	98,222	98,255	98,289	98,321	98,353	98,384	98,414	98,444	98,473
98,107	98,144	98,180	98,215	98,249	98,282	98,315	98,347	98,379	98,410
98,025	98,063	98,101	98,138	98,174	98,210	98,244	98,278	98,312	98,344
97,938	97,979	98,019	98,058	98,096	98,134	98,171	98,207	98,242	98,276
97,847	97,890	97,932	97,974	98,014	98,054	98,093	98,131	98,168	98,205

2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,910	99,913	99,916	99,919	99,921	99,924	99,926	99,929	99,931	99,933
99,906	99,909	99,912	99,915	99,918	99,920	99,923	99,925	99,928	99,930
99,903	99,906	99,909	99,912	99,915	99,918	99,920	99,923	99,925	99,928
99,900	99,903	99,907	99,910	99,913	99,915	99,918	99,921	99,923	99,926
99,898	99,901	99,905	99,908	99,911	99,914	99,916	99,919	99,922	99,924
99,896	99,899	99,903	99,906	99,909	99,912	99,915	99,918	99,920	99,923
99,894	99,898	99,901	99,904	99,907	99,910	99,913	99,916	99,919	99,922
99,893	99,896	99,900	99,903	99,906	99,909	99,912	99,915	99,918	99,921
99,892	99,895	99,899	99,902	99,905	99,908	99,911	99,914	99,917	99,920
99,891	99,894	99,898	99,901	99,904	99,907	99,910	99,913	99,916	99,919
99,889	99,893	99,896	99,900	99,903	99,906	99,909	99,912	99,915	99,918
99,888	99,892	99,895	99,899	99,902	99,905	99,908	99,911	99,914	99,917
99,886	99,890	99,893	99,897	99,900	99,904	99,907	99,910	99,913	99,916
99,883	99,887	99,891	99,894	99,898	99,901	99,904	99,907	99,910	99,913
99,879	99,883	99,887	99,890	99,894	99,897	99,900	99,904	99,907	99,910
99,873	99,877	99,881	99,884	99,888	99,892	99,895	99,898	99,901	99,904
99,865	99,869	99,873	99,877	99,881	99,884	99,888	99,891	99,895	99,898
99,856	99,861	99,865	99,869	99,873	99,877	99,880	99,884	99,887	99,891
99,847	99,852	99,856	99,860	99,865	99,869	99,872	99,876	99,880	99,883
99,838	99,843	99,847	99,852	99,856	99,860	99,864	99,868	99,872	99,875
99,828	99,833	99,838	99,842	99,847	99,851	99,855	99,860	99,864	99,867
99,819	99,824	99,829	99,833	99,838	99,843	99,847	99,851	99,855	99,859
99,809	99,814	99,819	99,824	99,829	99,834	99,838	99,843	99,847	99,851
99,799	99,804	99,810	99,815	99,820	99,825	99,829	99,834	99,839	99,843
99,789	99,794	99,800	99,805	99,810	99,815	99,820	99,825	99,830	99,834
99,778	99,783	99,789	99,795	99,800	99,805	99,811	99,815	99,820	99,825
99,766	99,772	99,778	99,784	99,789	99,795	99,800	99,805	99,810	99,815
99,752	99,759	99,765	99,771	99,777	99,782	99,788	99,793	99,799	99,804
99,738	99,745	99,751	99,757	99,763	99,769	99,775	99,781	99,786	99,792
99,723	99,729	99,736	99,743	99,749	99,755	99,761	99,767	99,773	99,779
99,707	99,714	99,721	99,728	99,734	99,741	99,747	99,753	99,759	99,765
99,690	99,698	99,705	99,712	99,719	99,726	99,733	99,739	99,745	99,751
99,673	99,681	99,689	99,696	99,703	99,710	99,717	99,724	99,731	99,737
99,655	99,663	99,671	99,679	99,687	99,694	99,702	99,709	99,716	99,722
99,636	99,645	99,653	99,661	99,669	99,677	99,685	99,692	99,699	99,707
99,616	99,625	99,634	99,642	99,651	99,659	99,667	99,675	99,683	99,690
99,595	99,604	99,613	99,623	99,631	99,640	99,648	99,657	99,665	99,672
99,572	99,582	99,592	99,602	99,611	99,620	99,629	99,637	99,646	99,654
99,548	99,559	99,569	99,579	99,589	99,598	99,608	99,617	99,626	99,634
99,522	99,534	99,544	99,555	99,565	99,575	99,585	99,595	99,604	99,613
99,495	99,506	99,518	99,529	99,540	99,551	99,561	99,571	99,581	99,591
99,465	99,477	99,489	99,501	99,513	99,524	99,535	99,546	99,556	99,566
99,433	99,446	99,459	99,471	99,483	99,495	99,507	99,518	99,529	99,540
99,398	99,412	99,426	99,439	99,452	99,464	99,477	99,489	99,500	99,512
99,362	99,376	99,391	99,405	99,418	99,432	99,445	99,457	99,470	99,482
99,323	99,338	99,354	99,368	99,383	99,397	99,411	99,424	99,437	99,450
99,281	99,298	99,314	99,330	99,345	99,360	99,375	99,389	99,403	99,417
99,237	99,255	99,272	99,289	99,305	99,321	99,336	99,352	99,367	99,381
99,190	99,209	99,227	99,245	99,262	99,279	99,296	99,312	99,328	99,343
99,140	99,160	99,179	99,198	99,217	99,235	99,252	99,270	99,286	99,303
99,086	99,107	99,128	99,148	99,168	99,187	99,206	99,224	99,242	99,260
99,029	99,052	99,074	99,095	99,116	99,137	99,157	99,176	99,195	99,214

98,968	98,992	99,015	99,038	99,061	99,083	99,104	99,125	99,145	99,165
98,903	98,929	98,954	98,978	99,002	99,025	99,048	99,070	99,092	99,113
98,834	98,862	98,888	98,914	98,940	98,965	98,989	99,012	99,036	99,058
98,761	98,790	98,818	98,846	98,873	98,899	98,925	98,950	98,975	98,999
98,681	98,712	98,742	98,772	98,801	98,829	98,856	98,883	98,910	98,935
98,592	98,625	98,658	98,689	98,720	98,750	98,780	98,809	98,837	98,864
98,492	98,528	98,563	98,597	98,630	98,662	98,693	98,724	98,754	98,783
98,379	98,417	98,455	98,491	98,527	98,561	98,595	98,628	98,660	98,692
98,252	98,293	98,333	98,372	98,410	98,448	98,484	98,520	98,554	98,588
98,111	98,155	98,198	98,240	98,282	98,322	98,361	98,399	98,437	98,473
97,957	98,005	98,051	98,097	98,141	98,185	98,227	98,268	98,309	98,348
97,791	97,843	97,893	97,942	97,990	98,037	98,082	98,127	98,171	98,213
97,613	97,668	97,722	97,775	97,827	97,878	97,927	97,975	98,022	98,068
97,421	97,481	97,539	97,596	97,652	97,707	97,760	97,812	97,863	97,913
97,213	97,278	97,341	97,403	97,464	97,523	97,580	97,636	97,691	97,745
96,988	97,058	97,126	97,193	97,258	97,322	97,385	97,445	97,505	97,563
96,741	96,817	96,891	96,963	97,034	97,103	97,171	97,237	97,301	97,364
96,469	96,551	96,632	96,710	96,787	96,862	96,935	97,007	97,076	97,145
96,167	96,256	96,344	96,429	96,512	96,594	96,673	96,751	96,827	96,901
95,829	95,926	96,021	96,114	96,205	96,293	96,380	96,464	96,547	96,628
95,449	95,555	95,658	95,759	95,858	95,955	96,049	96,142	96,232	96,320
95,019	95,135	95,248	95,359	95,467	95,572	95,676	95,776	95,875	95,971
94,532	94,659	94,783	94,904	95,022	95,137	95,250	95,361	95,468	95,574
93,976	94,115	94,250	94,383	94,513	94,639	94,763	94,884	95,003	95,118
93,337	93,490	93,639	93,785	93,927	94,066	94,202	94,335	94,466	94,593
92,602	92,769	92,933	93,094	93,250	93,404	93,554	93,700	93,844	93,984
91,751	91,936	92,116	92,293	92,466	92,635	92,801	92,962	93,121	93,276
90,764	90,968	91,167	91,362	91,553	91,740	91,923	92,102	92,277	92,449
89,618	89,843	90,063	90,279	90,490	90,697	90,900	91,098	91,292	91,482
88,286	88,535	88,778	89,016	89,250	89,479	89,703	89,923	90,138	90,349
86,735	87,009	87,278	87,541	87,800	88,053	88,301	88,545	88,783	89,017
84,925	85,227	85,523	85,814	86,099	86,379	86,654	86,924	87,188	87,447
82,811	83,143	83,469	83,789	84,103	84,412	84,715	85,013	85,306	85,593
80,343	80,707	81,064	81,415	81,761	82,100	82,434	82,762	83,085	83,402
77,473	77,868	78,258	78,642	79,019	79,391	79,756	80,116	80,470	80,818
74,147	74,575	74,997	75,413	75,822	76,226	76,624	77,016	77,402	77,782
70,324	70,782	71,234	71,681	72,122	72,556	72,985	73,408	73,826	74,238
65,970	66,454	66,934	67,408	67,876	68,339	68,796	69,247	69,694	70,134
61,073	61,578	62,078	62,573	63,064	63,549	64,029	64,504	64,974	65,439
55,650	56,166	56,678	57,186	57,690	58,189	58,684	59,174	59,660	60,142
49,804	50,320	50,832	51,342	51,848	52,351	52,850	53,345	53,837	54,326
43,825	44,330	44,832	45,332	45,829	46,324	46,817	47,307	47,794	48,279
37,951	38,434	38,916	39,396	39,875	40,353	40,829	41,303	41,776	42,247
32,318	32,771	33,223	33,675	34,126	34,577	35,027	35,477	35,926	36,373
26,998	27,412	27,827	28,242	28,657	29,073	29,488	29,904	30,320	30,736
22,120	22,490	22,861	23,234	23,607	23,981	24,356	24,732	25,108	25,485
17,771	18,094	18,418	18,744	19,072	19,401	19,731	20,063	20,396	20,730
13,995	14,270	14,547	14,826	15,107	15,389	15,674	15,959	16,247	16,536
10,800	11,029	11,261	11,494	11,729	11,966	12,205	12,446	12,688	12,933
7,966	8,146	8,328	8,511	8,697	8,884	9,073	9,264	9,457	9,652
5,622	5,756	5,891	6,027	6,165	6,305	6,446	6,589	6,733	6,879
3,832	3,926	4,021	4,117	4,215	4,313	4,413	4,514	4,616	4,720
2,518	2,581	2,644	2,708	2,773	2,839	2,905	2,973	3,041	3,110
1,622	1,663	1,704	1,746	1,788	1,831	1,875	1,919	1,964	2,009
1,024	1,050	1,077	1,104	1,131	1,158	1,186	1,215	1,243	1,272
634	650	667	684	701	718	736	754	772	790
385	395	405	415	426	437	448	459	470	481
229	235	241	247	254	260	267	274	280	287
134	137	141	145	148	152	156	160	164	168
76	79	81	83	85	87	90	92	94	97
43	44	45	47	48	49	50	52	53	54

24	24	25	26	26	27	28	29	29	30
13	13	13	14	14	15	15	15	16	16
7	7	7	7	8	8	8	8	8	9
4	4	4	4	4	4	4	4	4	5
2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1
0	0	0	0	1	1	1	1	1	1

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,932	99,934	99,937	99,939	99,941	99,943	99,945	99,947	99,949	99,950
99,928	99,931	99,933	99,935	99,937	99,940	99,942	99,944	99,946	99,947
99,926	99,928	99,931	99,933	99,935	99,937	99,940	99,942	99,944	99,946
99,924	99,926	99,929	99,931	99,934	99,936	99,938	99,940	99,942	99,944
99,922	99,925	99,928	99,930	99,932	99,935	99,937	99,939	99,941	99,943
99,921	99,924	99,926	99,929	99,931	99,934	99,936	99,938	99,940	99,942
99,920	99,923	99,925	99,928	99,930	99,933	99,935	99,937	99,940	99,942
99,919	99,922	99,925	99,927	99,930	99,932	99,934	99,937	99,939	99,941
99,918	99,921	99,924	99,926	99,929	99,931	99,934	99,936	99,938	99,940
99,917	99,920	99,923	99,926	99,928	99,931	99,933	99,935	99,938	99,940
99,916	99,919	99,922	99,925	99,927	99,930	99,932	99,935	99,937	99,939
99,915	99,918	99,921	99,924	99,926	99,929	99,931	99,934	99,936	99,938
99,914	99,917	99,920	99,922	99,925	99,928	99,930	99,932	99,935	99,937
99,912	99,915	99,918	99,921	99,923	99,926	99,929	99,931	99,933	99,936
99,910	99,913	99,916	99,919	99,922	99,924	99,927	99,929	99,932	99,934
99,907	99,910	99,913	99,916	99,919	99,922	99,924	99,927	99,929	99,932
99,901	99,905	99,908	99,911	99,914	99,917	99,920	99,922	99,925	99,927
99,892	99,896	99,899	99,903	99,906	99,909	99,912	99,915	99,918	99,920
99,881	99,885	99,888	99,892	99,895	99,899	99,902	99,905	99,908	99,911
99,867	99,871	99,875	99,879	99,883	99,887	99,890	99,893	99,897	99,900
99,851	99,856	99,860	99,864	99,869	99,872	99,876	99,880	99,884	99,887
99,833	99,837	99,842	99,847	99,851	99,856	99,860	99,864	99,868	99,872
99,811	99,817	99,822	99,827	99,832	99,836	99,841	99,845	99,850	99,854
99,788	99,794	99,799	99,805	99,810	99,815	99,820	99,825	99,829	99,834
99,762	99,768	99,774	99,779	99,785	99,791	99,796	99,801	99,806	99,811
99,732	99,739	99,745	99,751	99,758	99,763	99,769	99,775	99,780	99,785
99,700	99,707	99,714	99,720	99,727	99,733	99,739	99,745	99,751	99,757
99,664	99,671	99,678	99,685	99,692	99,699	99,706	99,712	99,718	99,724
99,622	99,630	99,638	99,645	99,653	99,660	99,667	99,674	99,681	99,687
99,575	99,584	99,592	99,600	99,608	99,616	99,623	99,631	99,638	99,645
99,524	99,533	99,542	99,550	99,559	99,567	99,575	99,583	99,590	99,598
99,470	99,479	99,489	99,498	99,507	99,516	99,524	99,533	99,541	99,549
99,414	99,424	99,434	99,444	99,454	99,463	99,472	99,481	99,490	99,499
99,359	99,370	99,381	99,391	99,401	99,411	99,421	99,431	99,440	99,449
99,305	99,317	99,328	99,339	99,350	99,361	99,371	99,381	99,391	99,401
99,253	99,266	99,278	99,290	99,301	99,313	99,324	99,335	99,345	99,356
99,204	99,217	99,230	99,243	99,255	99,267	99,279	99,291	99,302	99,313
99,157	99,171	99,185	99,198	99,211	99,224	99,236	99,249	99,261	99,273
99,112	99,127	99,141	99,155	99,169	99,182	99,196	99,209	99,222	99,234
99,067	99,083	99,098	99,113	99,128	99,142	99,156	99,170	99,183	99,197
99,023	99,039	99,055	99,071	99,086	99,101	99,116	99,131	99,145	99,159
98,977	98,995	99,012	99,028	99,044	99,060	99,076	99,091	99,107	99,121
98,931	98,949	98,967	98,985	99,002	99,019	99,035	99,052	99,067	99,083
98,884	98,903	98,922	98,940	98,958	98,976	98,993	99,011	99,027	99,044
98,835	98,855	98,875	98,894	98,913	98,932	98,950	98,968	98,986	99,003
98,784	98,805	98,826	98,847	98,867	98,886	98,906	98,925	98,943	98,962
98,731	98,754	98,776	98,797	98,819	98,839	98,860	98,880	98,899	98,919
98,676	98,700	98,723	98,746	98,769	98,791	98,812	98,833	98,854	98,874
98,620	98,645	98,670	98,694	98,717	98,740	98,763	98,785	98,807	98,829
98,562	98,588	98,614	98,640	98,664	98,689	98,713	98,736	98,759	98,782
98,502	98,530	98,557	98,584	98,610	98,636	98,661	98,686	98,710	98,734
98,440	98,469	98,498	98,527	98,554	98,582	98,608	98,634	98,660	98,685
98,376	98,407	98,438	98,468	98,497	98,526	98,554	98,581	98,608	98,635
98,310	98,343	98,375	98,407	98,438	98,468	98,497	98,526	98,555	98,582
98,240	98,275	98,309	98,342	98,375	98,407	98,438	98,469	98,499	98,528

98,166	98,203	98,239	98,274	98,309	98,343	98,376	98,408	98,439	98,470
98,087	98,126	98,164	98,202	98,238	98,274	98,309	98,343	98,376	98,409
98,002	98,043	98,083	98,123	98,161	98,199	98,236	98,272	98,308	98,342
97,908	97,952	97,995	98,037	98,078	98,118	98,157	98,196	98,233	98,270
97,805	97,852	97,898	97,942	97,986	98,029	98,070	98,111	98,151	98,190
97,691	97,741	97,790	97,838	97,884	97,930	97,974	98,018	98,060	98,101
97,565	97,619	97,671	97,722	97,771	97,820	97,867	97,914	97,959	98,003
97,424	97,482	97,538	97,592	97,646	97,698	97,748	97,798	97,846	97,894
97,267	97,329	97,389	97,448	97,505	97,561	97,615	97,668	97,720	97,771
97,091	97,157	97,222	97,285	97,347	97,407	97,466	97,523	97,579	97,633
96,893	96,965	97,035	97,103	97,169	97,234	97,298	97,359	97,420	97,479
96,671	96,749	96,824	96,898	96,970	97,040	97,109	97,175	97,240	97,304
96,423	96,507	96,589	96,669	96,746	96,822	96,897	96,969	97,039	97,108
96,151	96,242	96,330	96,417	96,501	96,583	96,664	96,742	96,818	96,893
95,852	95,951	96,047	96,141	96,232	96,321	96,408	96,493	96,576	96,657
95,522	95,628	95,733	95,834	95,933	96,030	96,124	96,216	96,306	96,394
95,148	95,264	95,378	95,488	95,596	95,701	95,803	95,903	96,001	96,096
94,722	94,848	94,971	95,091	95,209	95,323	95,435	95,544	95,650	95,754
94,228	94,365	94,500	94,631	94,759	94,884	95,006	95,125	95,241	95,354
93,649	93,799	93,946	94,090	94,230	94,367	94,500	94,631	94,758	94,882
92,966	93,131	93,292	93,450	93,603	93,753	93,900	94,043	94,183	94,320
92,156	92,337	92,514	92,687	92,857	93,022	93,183	93,341	93,495	93,646
91,193	91,392	91,587	91,778	91,965	92,147	92,325	92,499	92,670	92,836
90,049	90,268	90,483	90,694	90,900	91,101	91,298	91,491	91,679	91,863
88,696	88,938	89,175	89,407	89,634	89,856	90,074	90,287	90,496	90,700
87,107	87,373	87,634	87,890	88,141	88,386	88,627	88,863	89,094	89,320
85,260	85,552	85,839	86,120	86,396	86,667	86,932	87,192	87,448	87,698
83,132	83,452	83,766	84,074	84,377	84,675	84,967	85,254	85,535	85,811
80,705	81,054	81,397	81,734	82,065	82,391	82,711	83,026	83,335	83,639
77,963	78,342	78,714	79,081	79,442	79,796	80,146	80,489	80,827	81,160
74,894	75,302	75,704	76,100	76,490	76,875	77,254	77,627	77,994	78,356
71,486	71,923	72,354	72,779	73,198	73,612	74,020	74,422	74,819	75,210
67,725	68,188	68,645	69,097	69,544	69,985	70,420	70,850	71,275	71,694
63,531	64,017	64,497	64,973	65,443	65,909	66,369	66,824	67,273	67,718
58,796	59,298	59,796	60,289	60,778	61,262	61,741	62,216	62,686	63,151
53,530	54,040	54,546	55,049	55,547	56,042	56,533	57,019	57,502	57,981
47,896	48,404	48,908	49,409	49,908	50,403	50,895	51,384	51,870	52,352
42,151	42,646	43,138	43,628	44,116	44,602	45,086	45,568	46,047	46,524
36,523	36,996	37,467	37,937	38,407	38,874	39,341	39,806	40,270	40,732
31,181	31,624	32,067	32,510	32,952	33,395	33,836	34,277	34,718	35,158
26,234	26,643	27,052	27,462	27,872	28,282	28,693	29,104	29,515	29,927
21,748	22,118	22,489	22,861	23,235	23,609	23,984	24,361	24,738	25,116
17,761	18,090	18,421	18,753	19,087	19,423	19,760	20,098	20,438	20,779
14,281	14,569	14,858	15,149	15,443	15,738	16,035	16,335	16,635	16,938
11,300	11,546	11,795	12,046	12,299	12,554	12,812	13,071	13,333	13,596
8,797	9,005	9,214	9,427	9,641	9,858	10,077	10,298	10,522	10,747
6,593	6,759	6,929	7,100	7,273	7,449	7,627	7,807	7,989	8,173
4,761	4,889	5,019	5,151	5,285	5,421	5,559	5,699	5,841	5,985
3,303	3,396	3,492	3,589	3,687	3,787	3,889	3,992	4,097	4,204
2,217	2,283	2,350	2,418	2,487	2,557	2,629	2,702	2,776	2,852
1,438	1,482	1,527	1,572	1,619	1,666	1,714	1,763	1,813	1,864
900	928	956	985	1,015	1,045	1,076	1,107	1,139	1,172
542	559	576	594	612	630	648	667	687	706
319	329	339	350	360	371	382	393	405	416
185	190	196	202	208	215	221	227	234	241
105	108	111	115	118	122	125	129	133	137
58	60	62	64	66	68	70	72	74	76
32	33	34	35	36	37	38	39	41	42
17	18	18	19	19	20	21	21	22	22
9	9	10	10	10	11	11	11	12	12
5	5	5	5	5	5	6	6	6	6

2	2	3	3	3	3	3	3	3	3
1	1	1	1	1	1	1	1	2	2
1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,935	99,937	99,939	99,941	99,943	99,945	99,947	99,949	99,950	99,952
99,932	99,935	99,937	99,939	99,941	99,943	99,945	99,946	99,948	99,950
99,930	99,933	99,935	99,937	99,939	99,941	99,943	99,945	99,946	99,948
99,928	99,931	99,933	99,935	99,937	99,939	99,941	99,943	99,945	99,947
99,927	99,929	99,931	99,934	99,936	99,938	99,940	99,942	99,944	99,946
99,925	99,928	99,930	99,932	99,935	99,937	99,939	99,941	99,943	99,945
99,924	99,927	99,929	99,931	99,934	99,936	99,938	99,940	99,942	99,944
99,923	99,926	99,928	99,930	99,933	99,935	99,937	99,939	99,941	99,943
99,922	99,925	99,927	99,930	99,932	99,934	99,936	99,938	99,940	99,942
99,921	99,924	99,927	99,929	99,931	99,933	99,936	99,938	99,940	99,942
99,921	99,923	99,926	99,928	99,931	99,933	99,935	99,937	99,939	99,941
99,920	99,922	99,925	99,927	99,930	99,932	99,934	99,936	99,938	99,940
99,918	99,921	99,924	99,926	99,928	99,931	99,933	99,935	99,937	99,939
99,916	99,919	99,921	99,924	99,926	99,929	99,931	99,933	99,936	99,938
99,913	99,915	99,918	99,921	99,923	99,926	99,928	99,930	99,933	99,935
99,907	99,910	99,913	99,916	99,919	99,921	99,924	99,926	99,928	99,930
99,901	99,904	99,907	99,910	99,913	99,915	99,918	99,920	99,923	99,925
99,894	99,897	99,900	99,903	99,906	99,909	99,911	99,914	99,917	99,919
99,887	99,890	99,893	99,896	99,899	99,902	99,905	99,908	99,910	99,913
99,879	99,882	99,886	99,889	99,892	99,895	99,898	99,901	99,904	99,907
99,871	99,875	99,878	99,882	99,885	99,888	99,891	99,894	99,897	99,900
99,863	99,867	99,871	99,874	99,878	99,881	99,884	99,887	99,891	99,894
99,855	99,859	99,863	99,867	99,870	99,874	99,877	99,881	99,884	99,887
99,847	99,851	99,855	99,859	99,863	99,866	99,870	99,874	99,877	99,880
99,839	99,843	99,847	99,851	99,855	99,859	99,862	99,866	99,870	99,873
99,830	99,834	99,838	99,843	99,847	99,851	99,854	99,858	99,862	99,865
99,820	99,824	99,829	99,833	99,837	99,842	99,846	99,850	99,853	99,857
99,809	99,814	99,818	99,823	99,827	99,832	99,836	99,840	99,844	99,848
99,797	99,802	99,807	99,811	99,816	99,821	99,825	99,829	99,834	99,838
99,784	99,789	99,794	99,799	99,804	99,809	99,814	99,818	99,823	99,827
99,771	99,776	99,782	99,787	99,792	99,797	99,802	99,807	99,811	99,816
99,757	99,763	99,769	99,774	99,780	99,785	99,790	99,795	99,800	99,805
99,743	99,750	99,755	99,761	99,767	99,772	99,778	99,783	99,788	99,793
99,729	99,735	99,741	99,748	99,754	99,759	99,765	99,770	99,776	99,781
99,713	99,720	99,727	99,733	99,739	99,745	99,751	99,757	99,763	99,768
99,697	99,704	99,711	99,718	99,724	99,731	99,737	99,743	99,749	99,755
99,680	99,687	99,695	99,702	99,709	99,715	99,722	99,728	99,735	99,741
99,662	99,670	99,677	99,685	99,692	99,699	99,706	99,713	99,720	99,726
99,643	99,651	99,659	99,667	99,675	99,682	99,689	99,697	99,703	99,710
99,622	99,631	99,639	99,648	99,656	99,664	99,671	99,679	99,686	99,693
99,600	99,609	99,618	99,627	99,635	99,644	99,652	99,660	99,668	99,675
99,576	99,586	99,595	99,605	99,614	99,622	99,631	99,639	99,648	99,656
99,550	99,561	99,571	99,581	99,590	99,599	99,609	99,617	99,626	99,635
99,523	99,534	99,545	99,555	99,565	99,575	99,585	99,594	99,603	99,612
99,494	99,505	99,517	99,528	99,538	99,549	99,559	99,569	99,579	99,588
99,463	99,475	99,487	99,499	99,510	99,521	99,532	99,543	99,553	99,563
99,430	99,443	99,456	99,468	99,480	99,492	99,504	99,515	99,526	99,537
99,395	99,409	99,423	99,436	99,449	99,461	99,473	99,485	99,497	99,509
99,358	99,373	99,387	99,401	99,415	99,428	99,441	99,454	99,467	99,479
99,319	99,335	99,350	99,365	99,379	99,394	99,407	99,421	99,434	99,447
99,277	99,294	99,310	99,326	99,341	99,356	99,371	99,386	99,400	99,414
99,232	99,250	99,267	99,284	99,301	99,317	99,333	99,348	99,363	99,378

99,184	99,203	99,222	99,240	99,257	99,275	99,291	99,308	99,324	99,339
99,134	99,154	99,174	99,193	99,211	99,230	99,248	99,265	99,282	99,299
99,080	99,102	99,122	99,143	99,163	99,182	99,201	99,220	99,238	99,256
99,023	99,045	99,068	99,090	99,111	99,132	99,152	99,172	99,191	99,210
98,960	98,985	99,008	99,032	99,054	99,076	99,098	99,119	99,140	99,160
98,891	98,917	98,942	98,967	98,991	99,015	99,038	99,061	99,083	99,104
98,812	98,840	98,867	98,894	98,920	98,945	98,970	98,994	99,018	99,041
98,723	98,753	98,782	98,810	98,838	98,866	98,892	98,918	98,944	98,968
98,621	98,654	98,685	98,716	98,746	98,775	98,804	98,832	98,860	98,886
98,509	98,544	98,578	98,611	98,644	98,675	98,706	98,736	98,766	98,795
98,387	98,424	98,461	98,497	98,532	98,566	98,600	98,632	98,664	98,695
98,255	98,295	98,335	98,374	98,412	98,449	98,485	98,520	98,554	98,588
98,113	98,157	98,200	98,242	98,283	98,323	98,362	98,400	98,437	98,473
97,961	98,009	98,055	98,100	98,145	98,188	98,230	98,271	98,311	98,350
97,798	97,849	97,899	97,948	97,995	98,042	98,088	98,132	98,176	98,218
97,620	97,675	97,729	97,782	97,834	97,884	97,934	97,982	98,029	98,075
97,425	97,485	97,544	97,601	97,657	97,712	97,765	97,817	97,868	97,918
97,211	97,276	97,340	97,402	97,463	97,522	97,580	97,637	97,692	97,746
96,973	97,044	97,113	97,181	97,247	97,311	97,374	97,435	97,495	97,554
96,707	96,784	96,859	96,932	97,004	97,074	97,143	97,210	97,275	97,339
96,406	96,490	96,572	96,652	96,730	96,807	96,882	96,955	97,026	97,096
96,065	96,157	96,247	96,334	96,420	96,504	96,585	96,665	96,743	96,819
95,677	95,777	95,876	95,972	96,066	96,157	96,247	96,334	96,420	96,504
95,231	95,342	95,450	95,555	95,658	95,759	95,857	95,954	96,048	96,139
94,717	94,839	94,958	95,074	95,187	95,298	95,407	95,513	95,616	95,717
94,121	94,255	94,386	94,514	94,640	94,762	94,882	94,999	95,114	95,226
93,427	93,575	93,720	93,862	94,001	94,137	94,269	94,399	94,526	94,650
92,617	92,781	92,942	93,099	93,253	93,403	93,550	93,694	93,835	93,973
91,668	91,850	92,029	92,203	92,374	92,541	92,705	92,865	93,022	93,176
90,555	90,758	90,956	91,150	91,340	91,526	91,709	91,887	92,062	92,233
89,247	89,471	89,692	89,908	90,119	90,327	90,530	90,729	90,924	91,115
87,702	87,951	88,196	88,436	88,672	88,903	89,129	89,351	89,569	89,782
85,875	86,151	86,423	86,690	86,951	87,208	87,460	87,708	87,951	88,189
83,713	84,019	84,320	84,615	84,905	85,191	85,471	85,746	86,016	86,281
81,161	81,498	81,829	82,155	82,476	82,791	83,101	83,406	83,706	84,001
78,157	78,526	78,889	79,247	79,599	79,946	80,287	80,623	80,954	81,280
74,644	75,044	75,439	75,828	76,212	76,591	76,964	77,331	77,694	78,051
70,570	71,000	71,424	71,844	72,257	72,666	73,070	73,468	73,861	74,249
65,899	66,354	66,804	67,249	67,690	68,125	68,555	68,980	69,401	69,816
60,620	61,093	61,561	62,026	62,485	62,941	63,392	63,838	64,280	64,718
54,811	55,292	55,770	56,244	56,714	57,180	57,643	58,102	58,557	59,009
48,761	49,240	49,716	50,190	50,661	51,128	51,593	52,055	52,514	52,969
42,716	43,183	43,648	44,112	44,573	45,032	45,489	45,944	46,397	46,848
36,820	37,266	37,711	38,155	38,597	39,039	39,479	39,918	40,355	40,792
31,152	31,567	31,983	32,398	32,813	33,227	33,641	34,054	34,467	34,879
25,863	26,241	26,620	26,999	27,379	27,759	28,139	28,519	28,900	29,280
21,065	21,401	21,739	22,077	22,416	22,756	23,097	23,439	23,782	24,125
16,827	17,119	17,412	17,707	18,003	18,301	18,600	18,900	19,201	19,504
13,179	13,426	13,676	13,927	14,180	14,434	14,690	14,948	15,207	15,467
9,848	10,046	10,246	10,447	10,650	10,854	11,061	11,268	11,478	11,688
7,026	7,175	7,325	7,477	7,630	7,785	7,941	8,098	8,257	8,418
4,824	4,930	5,037	5,145	5,254	5,364	5,476	5,588	5,702	5,817
3,180	3,251	3,322	3,394	3,467	3,541	3,616	3,691	3,767	3,844
2,055	2,101	2,148	2,195	2,243	2,292	2,341	2,391	2,441	2,491
1,302	1,332	1,362	1,392	1,423	1,454	1,486	1,518	1,550	1,583
809	827	846	866	885	905	925	945	966	987
493	504	516	528	540	552	565	577	590	603
294	301	308	316	323	331	338	346	354	361
172	177	181	185	190	194	199	203	208	213
99	102	104	107	109	112	114	117	120	123
56	57	59	60	62	63	65	66	68	69

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,952	99,954	99,955	99,957	99,958	99,960	99,961	99,962	99,964	99,965
99,949	99,951	99,953	99,954	99,956	99,957	99,959	99,960	99,962	99,963
99,947	99,949	99,951	99,953	99,954	99,956	99,957	99,959	99,960	99,962
99,946	99,948	99,950	99,952	99,953	99,955	99,956	99,958	99,959	99,961
99,945	99,947	99,949	99,951	99,952	99,954	99,956	99,957	99,959	99,960
99,944	99,946	99,948	99,950	99,952	99,953	99,955	99,956	99,958	99,959
99,944	99,946	99,947	99,949	99,951	99,953	99,954	99,956	99,957	99,959
99,943	99,945	99,947	99,949	99,950	99,952	99,954	99,955	99,957	99,958
99,942	99,944	99,946	99,948	99,950	99,952	99,953	99,955	99,956	99,958
99,942	99,944	99,946	99,948	99,949	99,951	99,953	99,954	99,956	99,957
99,941	99,943	99,945	99,947	99,949	99,950	99,952	99,954	99,955	99,957
99,940	99,942	99,944	99,946	99,948	99,950	99,951	99,953	99,955	99,956
99,939	99,941	99,943	99,945	99,947	99,949	99,951	99,952	99,954	99,956
99,938	99,940	99,942	99,944	99,946	99,948	99,950	99,951	99,953	99,955
99,936	99,939	99,941	99,943	99,945	99,947	99,948	99,950	99,952	99,953
99,934	99,936	99,938	99,941	99,943	99,945	99,946	99,948	99,950	99,952
99,930	99,932	99,935	99,937	99,939	99,941	99,943	99,945	99,947	99,948
99,923	99,925	99,928	99,930	99,933	99,935	99,937	99,939	99,941	99,943
99,914	99,917	99,919	99,922	99,924	99,927	99,929	99,931	99,933	99,936
99,903	99,906	99,909	99,912	99,915	99,917	99,920	99,922	99,925	99,927
99,891	99,894	99,897	99,900	99,903	99,906	99,909	99,912	99,914	99,917
99,875	99,879	99,882	99,886	99,889	99,892	99,895	99,898	99,901	99,904
99,858	99,862	99,866	99,869	99,873	99,877	99,880	99,883	99,886	99,890
99,838	99,843	99,847	99,851	99,855	99,859	99,862	99,866	99,870	99,873
99,816	99,820	99,825	99,829	99,834	99,838	99,842	99,846	99,850	99,853
99,791	99,796	99,800	99,805	99,810	99,814	99,819	99,823	99,827	99,831
99,762	99,768	99,773	99,778	99,783	99,788	99,793	99,797	99,802	99,806
99,730	99,736	99,742	99,747	99,753	99,758	99,763	99,768	99,773	99,778
99,694	99,700	99,706	99,712	99,718	99,723	99,729	99,734	99,739	99,745
99,652	99,658	99,665	99,671	99,678	99,684	99,690	99,695	99,701	99,707
99,605	99,612	99,619	99,626	99,633	99,639	99,646	99,652	99,658	99,664
99,557	99,565	99,572	99,579	99,587	99,594	99,601	99,607	99,614	99,621
99,507	99,515	99,523	99,531	99,539	99,547	99,554	99,561	99,569	99,576
99,458	99,467	99,476	99,484	99,493	99,501	99,509	99,517	99,524	99,532
99,411	99,420	99,430	99,439	99,448	99,457	99,465	99,474	99,482	99,490
99,366	99,376	99,386	99,396	99,405	99,415	99,424	99,433	99,442	99,451
99,324	99,335	99,345	99,356	99,366	99,376	99,386	99,395	99,405	99,414
99,284	99,296	99,307	99,318	99,329	99,339	99,350	99,360	99,370	99,380
99,247	99,259	99,271	99,282	99,294	99,305	99,316	99,327	99,337	99,348
99,210	99,222	99,235	99,247	99,259	99,271	99,283	99,294	99,306	99,317
99,173	99,186	99,200	99,213	99,225	99,238	99,250	99,262	99,274	99,286
99,136	99,150	99,164	99,178	99,191	99,204	99,217	99,230	99,243	99,255
99,098	99,113	99,128	99,143	99,157	99,171	99,184	99,198	99,211	99,224
99,060	99,076	99,091	99,106	99,121	99,136	99,150	99,164	99,178	99,192
99,020	99,037	99,053	99,069	99,085	99,100	99,116	99,130	99,145	99,159
98,980	98,997	99,014	99,031	99,048	99,064	99,080	99,096	99,111	99,126
98,937	98,956	98,974	98,992	99,009	99,026	99,043	99,060	99,076	99,092
98,894	98,914	98,933	98,951	98,970	98,988	99,005	99,023	99,040	99,056
98,850	98,870	98,890	98,910	98,929	98,948	98,967	98,985	99,003	99,020
98,804	98,825	98,847	98,867	98,888	98,908	98,927	98,947	98,965	98,984
98,757	98,780	98,802	98,824	98,846	98,867	98,887	98,907	98,927	98,947
98,709	98,733	98,757	98,780	98,802	98,825	98,846	98,867	98,888	98,909
98,660	98,686	98,710	98,735	98,758	98,782	98,804	98,827	98,848	98,870
98,610	98,636	98,662	98,688	98,713	98,737	98,761	98,785	98,808	98,830
98,557	98,585	98,612	98,639	98,665	98,691	98,716	98,741	98,765	98,789

98,501	98,530	98,559	98,587	98,615	98,642	98,669	98,695	98,720	98,745
98,441	98,472	98,502	98,532	98,561	98,590	98,618	98,645	98,672	98,698
98,376	98,409	98,441	98,473	98,504	98,534	98,563	98,592	98,620	98,648
98,305	98,340	98,374	98,408	98,441	98,472	98,504	98,534	98,564	98,593
98,228	98,265	98,301	98,337	98,371	98,405	98,438	98,471	98,502	98,533
98,142	98,181	98,220	98,258	98,295	98,331	98,366	98,400	98,434	98,466
98,046	98,089	98,130	98,170	98,209	98,248	98,285	98,322	98,357	98,392
97,940	97,985	98,029	98,072	98,114	98,155	98,195	98,234	98,272	98,310
97,821	97,869	97,916	97,962	98,007	98,051	98,094	98,136	98,177	98,217
97,687	97,739	97,789	97,839	97,887	97,934	97,980	98,025	98,069	98,112
97,536	97,592	97,647	97,700	97,752	97,803	97,852	97,901	97,948	97,994
97,366	97,427	97,486	97,543	97,599	97,654	97,708	97,760	97,811	97,861
97,175	97,241	97,305	97,367	97,428	97,487	97,545	97,601	97,657	97,710
96,966	97,036	97,106	97,173	97,239	97,303	97,366	97,427	97,487	97,545
96,735	96,812	96,887	96,960	97,032	97,101	97,169	97,235	97,300	97,363
96,479	96,563	96,644	96,723	96,801	96,876	96,950	97,021	97,092	97,160
96,189	96,280	96,368	96,454	96,538	96,620	96,700	96,778	96,854	96,929
95,855	95,954	96,050	96,144	96,235	96,325	96,412	96,497	96,580	96,661
95,465	95,572	95,678	95,780	95,881	95,978	96,074	96,167	96,258	96,346
95,003	95,121	95,237	95,350	95,460	95,567	95,672	95,774	95,874	95,971
94,453	94,583	94,710	94,834	94,955	95,074	95,189	95,302	95,412	95,519
93,793	93,937	94,077	94,214	94,348	94,479	94,607	94,731	94,853	94,972
92,999	93,158	93,313	93,465	93,614	93,759	93,901	94,039	94,175	94,307
92,044	92,220	92,392	92,561	92,726	92,887	93,045	93,200	93,350	93,498
90,900	91,096	91,287	91,475	91,658	91,838	92,014	92,186	92,354	92,519
89,542	89,759	89,972	90,180	90,384	90,584	90,780	90,972	91,160	91,344
87,944	88,184	88,420	88,652	88,879	89,101	89,319	89,533	89,743	89,948
86,083	86,349	86,610	86,867	87,118	87,365	87,608	87,845	88,079	88,308
83,937	84,231	84,519	84,802	85,080	85,353	85,622	85,886	86,145	86,399
81,487	81,809	82,126	82,437	82,743	83,044	83,340	83,631	83,918	84,199
78,713	79,064	79,409	79,750	80,085	80,415	80,739	81,059	81,374	81,684
75,596	75,976	76,351	76,720	77,085	77,444	77,797	78,146	78,490	78,828
72,108	72,517	72,920	73,318	73,711	74,098	74,481	74,858	75,231	75,598
68,158	68,592	69,022	69,446	69,866	70,280	70,690	71,095	71,494	71,889
63,612	64,068	64,520	64,967	65,409	65,847	66,280	66,708	67,132	67,551
58,455	58,926	59,392	59,855	60,313	60,768	61,218	61,664	62,106	62,544
52,832	53,308	53,780	54,250	54,716	55,178	55,637	56,093	56,546	56,994
46,998	47,470	47,940	48,407	48,871	49,333	49,792	50,248	50,702	51,153
41,193	41,652	42,109	42,565	43,019	43,471	43,922	44,370	44,817	45,261
35,597	36,036	36,473	36,910	37,346	37,781	38,215	38,648	39,079	39,510
30,338	30,749	31,161	31,572	31,983	32,394	32,805	33,215	33,625	34,035
25,495	25,874	26,254	26,634	27,015	27,397	27,779	28,161	28,544	28,927
21,122	21,465	21,810	22,156	22,503	22,852	23,201	23,551	23,902	24,253
17,242	17,548	17,856	18,165	18,476	18,788	19,102	19,417	19,733	20,051
13,862	14,130	14,399	14,671	14,944	15,219	15,496	15,774	16,055	16,336
10,975	11,205	11,437	11,671	11,907	12,145	12,385	12,627	12,871	13,117
8,360	8,548	8,739	8,932	9,126	9,323	9,522	9,723	9,925	10,130
6,130	6,278	6,428	6,579	6,732	6,887	7,044	7,203	7,364	7,526
4,312	4,422	4,533	4,646	4,761	4,877	4,995	5,114	5,235	5,358
2,928	3,006	3,086	3,166	3,248	3,331	3,415	3,500	3,587	3,675
1,916	1,969	2,022	2,077	2,132	2,188	2,246	2,304	2,363	2,423
1,205	1,239	1,273	1,308	1,343	1,380	1,416	1,454	1,492	1,530
727	747	768	789	810	832	855	877	900	924
428	440	452	465	477	490	503	517	530	544
248	254	262	269	276	284	291	299	307	315
141	144	149	153	157	161	165	170	174	179
78	81	83	85	87	90	92	95	97	100
43	44	45	47	48	49	50	52	53	55
23	24	24	25	26	26	27	28	29	29
12	13	13	13	14	14	14	15	15	15
6	6	7	7	7	7	7	8	8	8

3	3	3	3	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,953	99,955	99,956	99,958	99,959	99,960	99,962	99,963	99,964	99,965
99,951	99,953	99,954	99,956	99,957	99,959	99,960	99,961	99,963	99,964
99,950	99,952	99,953	99,955	99,956	99,958	99,959	99,960	99,962	99,963
99,948	99,950	99,952	99,953	99,955	99,956	99,958	99,959	99,960	99,962
99,947	99,949	99,951	99,952	99,954	99,955	99,957	99,958	99,960	99,961
99,946	99,948	99,950	99,951	99,953	99,955	99,956	99,958	99,959	99,960
99,946	99,947	99,949	99,951	99,952	99,954	99,955	99,957	99,958	99,960
99,945	99,947	99,948	99,950	99,952	99,953	99,955	99,956	99,958	99,959
99,944	99,946	99,948	99,950	99,951	99,953	99,954	99,956	99,957	99,959
99,944	99,946	99,947	99,949	99,951	99,952	99,954	99,955	99,957	99,958
99,943	99,945	99,947	99,948	99,950	99,952	99,953	99,955	99,956	99,958
99,942	99,944	99,946	99,948	99,949	99,951	99,953	99,954	99,956	99,957
99,941	99,943	99,945	99,947	99,949	99,950	99,952	99,953	99,955	99,956
99,940	99,942	99,943	99,945	99,947	99,949	99,950	99,952	99,954	99,955
99,937	99,939	99,941	99,943	99,944	99,946	99,948	99,950	99,951	99,953
99,933	99,935	99,937	99,939	99,941	99,942	99,944	99,946	99,948	99,949
99,927	99,929	99,932	99,934	99,936	99,938	99,939	99,941	99,943	99,945
99,921	99,924	99,926	99,928	99,930	99,932	99,934	99,936	99,938	99,940
99,916	99,918	99,920	99,923	99,925	99,927	99,929	99,931	99,933	99,935
99,909	99,912	99,914	99,917	99,919	99,921	99,924	99,926	99,928	99,930
99,903	99,906	99,908	99,911	99,913	99,916	99,918	99,920	99,922	99,924
99,896	99,899	99,902	99,905	99,907	99,910	99,912	99,915	99,917	99,919
99,890	99,893	99,896	99,899	99,901	99,904	99,906	99,909	99,911	99,914
99,883	99,886	99,889	99,892	99,895	99,898	99,901	99,903	99,906	99,908
99,876	99,880	99,883	99,886	99,889	99,892	99,894	99,897	99,900	99,902
99,869	99,872	99,875	99,879	99,882	99,885	99,888	99,891	99,893	99,896
99,861	99,864	99,868	99,871	99,874	99,877	99,880	99,883	99,886	99,889
99,852	99,855	99,859	99,862	99,866	99,869	99,872	99,875	99,878	99,881
99,842	99,846	99,849	99,853	99,857	99,860	99,863	99,867	99,870	99,873
99,831	99,835	99,839	99,843	99,847	99,850	99,854	99,857	99,861	99,864
99,820	99,825	99,829	99,833	99,837	99,841	99,844	99,848	99,852	99,855
99,809	99,814	99,818	99,823	99,827	99,831	99,835	99,839	99,842	99,846
99,798	99,803	99,807	99,812	99,816	99,820	99,825	99,829	99,833	99,837
99,786	99,791	99,796	99,801	99,805	99,810	99,814	99,818	99,823	99,827
99,774	99,779	99,784	99,789	99,794	99,799	99,803	99,808	99,812	99,816
99,760	99,766	99,771	99,777	99,782	99,787	99,792	99,796	99,801	99,806
99,747	99,752	99,758	99,764	99,769	99,774	99,779	99,784	99,789	99,794
99,732	99,738	99,744	99,750	99,756	99,761	99,767	99,772	99,777	99,782
99,717	99,723	99,730	99,736	99,742	99,748	99,753	99,759	99,764	99,770
99,700	99,707	99,714	99,720	99,727	99,733	99,739	99,745	99,751	99,756
99,683	99,690	99,697	99,704	99,710	99,717	99,723	99,730	99,736	99,742
99,663	99,671	99,679	99,686	99,693	99,700	99,707	99,713	99,720	99,726
99,643	99,651	99,659	99,667	99,674	99,681	99,689	99,696	99,702	99,709
99,621	99,630	99,638	99,646	99,654	99,662	99,670	99,677	99,684	99,691
99,598	99,607	99,616	99,624	99,633	99,641	99,649	99,657	99,665	99,672
99,573	99,583	99,592	99,602	99,611	99,619	99,628	99,636	99,644	99,652
99,547	99,557	99,567	99,577	99,587	99,596	99,605	99,614	99,623	99,631
99,520	99,531	99,541	99,552	99,562	99,572	99,582	99,591	99,600	99,609
99,491	99,502	99,514	99,525	99,536	99,546	99,556	99,567	99,576	99,586
99,460	99,472	99,484	99,496	99,508	99,519	99,530	99,540	99,551	99,561
99,427	99,440	99,453	99,465	99,478	99,490	99,501	99,513	99,524	99,535
99,392	99,406	99,420	99,433	99,446	99,459	99,471	99,483	99,495	99,507

99,355	99,370	99,384	99,398	99,412	99,426	99,439	99,452	99,464	99,477
99,315	99,331	99,346	99,362	99,376	99,391	99,405	99,419	99,432	99,445
99,273	99,290	99,307	99,323	99,338	99,354	99,369	99,383	99,398	99,412
99,228	99,246	99,264	99,281	99,298	99,314	99,330	99,346	99,361	99,376
99,180	99,199	99,218	99,236	99,254	99,271	99,288	99,305	99,321	99,337
99,125	99,146	99,166	99,185	99,204	99,223	99,241	99,259	99,276	99,293
99,063	99,085	99,107	99,128	99,148	99,168	99,188	99,207	99,225	99,243
98,993	99,016	99,039	99,062	99,084	99,105	99,126	99,147	99,167	99,186
98,912	98,938	98,963	98,987	99,011	99,034	99,056	99,078	99,100	99,121
98,823	98,850	98,877	98,903	98,929	98,954	98,978	99,002	99,025	99,048
98,726	98,755	98,784	98,813	98,840	98,867	98,894	98,919	98,945	98,969
98,621	98,653	98,684	98,715	98,745	98,774	98,803	98,830	98,858	98,884
98,509	98,544	98,577	98,610	98,643	98,674	98,705	98,735	98,765	98,793
98,389	98,426	98,463	98,499	98,533	98,568	98,601	98,633	98,665	98,696
98,260	98,300	98,340	98,378	98,416	98,453	98,489	98,524	98,558	98,592
98,119	98,163	98,206	98,248	98,289	98,329	98,367	98,405	98,443	98,479
97,967	98,014	98,060	98,106	98,150	98,193	98,235	98,276	98,317	98,356
97,798	97,850	97,900	97,949	97,997	98,044	98,090	98,134	98,178	98,221
97,611	97,667	97,722	97,775	97,827	97,878	97,928	97,976	98,024	98,070
97,401	97,462	97,521	97,580	97,636	97,692	97,746	97,799	97,850	97,901
97,164	97,230	97,295	97,358	97,420	97,481	97,540	97,598	97,654	97,709
96,894	96,967	97,038	97,107	97,175	97,241	97,306	97,369	97,430	97,491
96,585	96,665	96,743	96,819	96,893	96,966	97,037	97,106	97,174	97,240
96,229	96,317	96,403	96,486	96,568	96,648	96,726	96,802	96,877	96,950
95,816	95,913	96,007	96,100	96,190	96,278	96,364	96,449	96,531	96,611
95,335	95,442	95,546	95,649	95,748	95,846	95,941	96,035	96,126	96,215
94,771	94,890	95,006	95,119	95,230	95,338	95,444	95,548	95,649	95,748
94,108	94,240	94,369	94,495	94,618	94,739	94,857	94,973	95,085	95,196
93,326	93,473	93,617	93,757	93,895	94,030	94,162	94,291	94,417	94,541
92,401	92,565	92,726	92,883	93,037	93,188	93,335	93,480	93,621	93,760
91,302	91,486	91,665	91,841	92,014	92,183	92,348	92,510	92,669	92,825
89,991	90,197	90,398	90,595	90,788	90,978	91,163	91,345	91,524	91,698
88,422	88,652	88,877	89,098	89,314	89,527	89,735	89,939	90,140	90,337
86,542	86,798	87,050	87,296	87,539	87,777	88,010	88,240	88,465	88,686
84,291	84,575	84,855	85,131	85,401	85,667	85,929	86,185	86,438	86,686
81,600	81,916	82,226	82,532	82,832	83,128	83,419	83,706	83,987	84,264
78,403	78,750	79,092	79,429	79,760	80,087	80,409	80,727	81,039	81,347
74,631	75,009	75,382	75,749	76,112	76,470	76,823	77,171	77,515	77,853
70,227	70,633	71,034	71,430	71,822	72,209	72,591	72,968	73,341	73,709
65,151	65,580	66,004	66,424	66,840	67,251	67,658	68,061	68,459	68,853
59,456	59,900	60,340	60,776	61,208	61,637	62,061	62,482	62,899	63,312
53,422	53,872	54,318	54,761	55,201	55,638	56,072	56,503	56,930	57,354
47,296	47,742	48,186	48,627	49,066	49,503	49,937	50,368	50,797	51,224
41,226	41,659	42,091	42,521	42,950	43,376	43,801	44,225	44,646	45,066
35,291	35,702	36,112	36,521	36,930	37,337	37,744	38,149	38,554	38,958
29,661	30,042	30,422	30,803	31,183	31,563	31,943	32,323	32,702	33,081
24,469	24,814	25,159	25,504	25,850	26,197	26,544	26,891	27,238	27,586
19,807	20,112	20,418	20,724	21,032	21,340	21,650	21,960	22,271	22,582
15,729	15,992	16,256	16,522	16,789	17,058	17,327	17,598	17,870	18,143
11,901	12,114	12,330	12,546	12,764	12,984	13,204	13,426	13,650	13,874
8,579	8,742	8,907	9,072	9,239	9,407	9,577	9,748	9,920	10,093
5,933	6,050	6,168	6,287	6,407	6,528	6,650	6,774	6,898	7,023
3,922	4,001	4,080	4,160	4,241	4,322	4,405	4,488	4,571	4,656
2,543	2,594	2,646	2,699	2,753	2,806	2,861	2,915	2,971	3,027
1,616	1,650	1,683	1,718	1,752	1,787	1,822	1,858	1,893	1,930
1,007	1,029	1,050	1,072	1,094	1,116	1,138	1,161	1,184	1,207
616	629	642	656	670	683	697	712	726	740
369	377	386	394	402	411	419	428	437	445
217	222	227	232	237	242	247	252	258	263
125	128	131	134	137	140	143	146	149	152
71	73	74	76	78	79	81	83	85	87

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,966	99,967	99,968	99,969	99,970	99,971	99,972	99,973	99,974	99,975
99,964	99,965	99,967	99,968	99,969	99,970	99,971	99,972	99,973	99,974
99,963	99,964	99,965	99,967	99,968	99,969	99,970	99,971	99,972	99,973
99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970	99,971	99,972
99,961	99,963	99,964	99,965	99,966	99,968	99,969	99,970	99,971	99,972
99,961	99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970	99,971
99,960	99,962	99,963	99,964	99,965	99,967	99,968	99,969	99,970	99,971
99,960	99,961	99,962	99,964	99,965	99,966	99,967	99,968	99,970	99,971
99,959	99,961	99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970
99,959	99,960	99,962	99,963	99,964	99,965	99,967	99,968	99,969	99,970
99,958	99,960	99,961	99,963	99,964	99,965	99,966	99,967	99,969	99,970
99,958	99,959	99,961	99,962	99,963	99,965	99,966	99,967	99,968	99,969
99,957	99,959	99,960	99,961	99,963	99,964	99,965	99,966	99,967	99,969
99,956	99,958	99,959	99,960	99,962	99,963	99,964	99,966	99,967	99,968
99,955	99,957	99,958	99,959	99,961	99,962	99,963	99,965	99,966	99,967
99,953	99,955	99,956	99,958	99,959	99,961	99,962	99,963	99,965	99,966
99,950	99,952	99,953	99,955	99,957	99,958	99,959	99,961	99,962	99,963
99,945	99,947	99,948	99,950	99,952	99,953	99,955	99,956	99,958	99,959
99,938	99,940	99,942	99,943	99,945	99,947	99,949	99,950	99,952	99,953
99,929	99,931	99,933	99,935	99,937	99,939	99,941	99,943	99,945	99,946
99,919	99,922	99,924	99,926	99,928	99,931	99,933	99,935	99,937	99,938
99,907	99,910	99,912	99,915	99,917	99,919	99,922	99,924	99,926	99,928
99,893	99,896	99,898	99,901	99,904	99,906	99,909	99,911	99,914	99,916
99,876	99,879	99,883	99,886	99,889	99,892	99,894	99,897	99,900	99,902
99,857	99,860	99,864	99,867	99,871	99,874	99,877	99,880	99,883	99,886
99,835	99,839	99,843	99,846	99,850	99,853	99,857	99,860	99,863	99,866
99,810	99,815	99,819	99,823	99,827	99,830	99,834	99,838	99,841	99,845
99,782	99,787	99,791	99,796	99,800	99,804	99,808	99,812	99,816	99,820
99,750	99,755	99,759	99,764	99,769	99,773	99,778	99,782	99,786	99,790
99,712	99,718	99,723	99,728	99,733	99,738	99,743	99,747	99,752	99,756
99,670	99,676	99,682	99,687	99,693	99,698	99,703	99,708	99,713	99,718
99,627	99,633	99,639	99,645	99,651	99,657	99,663	99,668	99,674	99,679
99,583	99,589	99,596	99,602	99,609	99,615	99,621	99,627	99,633	99,639
99,539	99,547	99,554	99,561	99,568	99,574	99,581	99,588	99,594	99,600
99,498	99,506	99,513	99,521	99,528	99,536	99,543	99,550	99,557	99,563
99,459	99,468	99,476	99,484	99,492	99,499	99,507	99,515	99,522	99,529
99,423	99,432	99,441	99,450	99,458	99,466	99,474	99,482	99,490	99,498
99,390	99,399	99,408	99,418	99,427	99,435	99,444	99,453	99,461	99,469
99,358	99,368	99,378	99,388	99,397	99,407	99,416	99,425	99,434	99,442
99,327	99,338	99,348	99,359	99,369	99,379	99,388	99,398	99,407	99,416
99,297	99,308	99,319	99,330	99,341	99,351	99,361	99,372	99,381	99,391
99,267	99,279	99,290	99,302	99,313	99,324	99,335	99,345	99,356	99,366
99,236	99,249	99,261	99,273	99,285	99,296	99,308	99,319	99,330	99,341
99,205	99,218	99,231	99,244	99,256	99,268	99,280	99,292	99,303	99,315
99,173	99,187	99,201	99,214	99,227	99,240	99,252	99,265	99,277	99,289
99,141	99,155	99,169	99,183	99,197	99,211	99,224	99,237	99,249	99,262
99,107	99,122	99,137	99,152	99,166	99,181	99,194	99,208	99,221	99,234
99,073	99,089	99,105	99,120	99,135	99,150	99,165	99,179	99,193	99,207
99,038	99,055	99,071	99,087	99,103	99,119	99,134	99,149	99,164	99,178
99,002	99,020	99,037	99,054	99,071	99,087	99,103	99,119	99,134	99,149
98,966	98,984	99,002	99,020	99,038	99,055	99,072	99,088	99,105	99,120
98,929	98,948	98,967	98,986	99,004	99,023	99,040	99,058	99,075	99,091
98,891	98,911	98,932	98,951	98,971	98,989	99,008	99,026	99,044	99,061
98,852	98,874	98,895	98,915	98,936	98,956	98,975	98,994	99,013	99,031
98,812	98,834	98,857	98,878	98,900	98,920	98,941	98,961	98,980	98,999

98,769	98,793	98,816	98,839	98,862	98,883	98,905	98,926	98,946	98,966
98,724	98,749	98,774	98,798	98,821	98,844	98,866	98,888	98,910	98,931
98,675	98,701	98,727	98,753	98,777	98,802	98,825	98,848	98,871	98,893
98,622	98,650	98,677	98,704	98,730	98,755	98,780	98,805	98,829	98,852
98,563	98,593	98,622	98,650	98,677	98,704	98,731	98,757	98,782	98,806
98,499	98,530	98,560	98,590	98,620	98,648	98,676	98,703	98,730	98,756
98,426	98,460	98,492	98,524	98,555	98,586	98,615	98,644	98,673	98,700
98,346	98,382	98,416	98,450	98,483	98,516	98,547	98,578	98,608	98,638
98,256	98,294	98,331	98,367	98,402	98,437	98,471	98,504	98,536	98,567
98,154	98,195	98,235	98,273	98,311	98,348	98,385	98,420	98,454	98,488
98,039	98,083	98,126	98,168	98,208	98,248	98,287	98,325	98,362	98,398
97,909	97,957	98,003	98,048	98,092	98,135	98,177	98,218	98,257	98,296
97,763	97,814	97,864	97,913	97,960	98,007	98,052	98,096	98,139	98,181
97,602	97,657	97,711	97,764	97,815	97,865	97,914	97,962	98,009	98,054
97,424	97,484	97,543	97,600	97,656	97,710	97,763	97,815	97,865	97,914
97,227	97,292	97,355	97,417	97,477	97,536	97,594	97,650	97,704	97,758
97,001	97,072	97,141	97,208	97,274	97,338	97,400	97,461	97,521	97,579
96,740	96,817	96,892	96,966	97,037	97,107	97,175	97,242	97,307	97,370
96,433	96,517	96,599	96,680	96,758	96,835	96,909	96,982	97,053	97,122
96,066	96,159	96,249	96,338	96,424	96,508	96,590	96,670	96,748	96,825
95,624	95,727	95,827	95,924	96,020	96,113	96,203	96,292	96,378	96,463
95,088	95,202	95,313	95,421	95,527	95,630	95,731	95,830	95,926	96,020
94,436	94,563	94,686	94,807	94,925	95,040	95,152	95,262	95,370	95,475
93,642	93,783	93,921	94,056	94,188	94,317	94,443	94,566	94,687	94,804
92,680	92,838	92,992	93,143	93,291	93,436	93,577	93,716	93,851	93,984
91,524	91,701	91,874	92,043	92,209	92,371	92,530	92,686	92,838	92,988
90,150	90,347	90,541	90,730	90,916	91,099	91,277	91,452	91,624	91,792
88,532	88,753	88,969	89,181	89,389	89,594	89,794	89,991	90,183	90,372
86,649	86,894	87,135	87,372	87,604	87,833	88,057	88,277	88,493	88,705
84,476	84,748	85,015	85,278	85,537	85,791	86,040	86,286	86,527	86,764
81,988	82,288	82,584	82,874	83,160	83,442	83,719	83,991	84,259	84,523
79,162	79,491	79,815	80,134	80,448	80,758	81,063	81,364	81,660	81,951
75,961	76,318	76,671	77,019	77,362	77,700	78,034	78,363	78,687	79,007
72,279	72,664	73,045	73,421	73,792	74,158	74,520	74,877	75,230	75,578
67,966	68,376	68,782	69,183	69,579	69,972	70,360	70,743	71,122	71,497
62,978	63,408	63,833	64,255	64,673	65,086	65,495	65,901	66,302	66,699
57,440	57,882	58,320	58,755	59,186	59,614	60,038	60,459	60,876	61,290
51,601	52,047	52,489	52,929	53,366	53,800	54,231	54,660	55,085	55,507
45,704	46,145	46,583	47,020	47,454	47,886	48,316	48,744	49,169	49,592
39,939	40,367	40,794	41,219	41,643	42,065	42,486	42,906	43,324	43,740
34,444	34,852	35,260	35,667	36,074	36,480	36,885	37,289	37,692	38,095
29,310	29,693	30,076	30,459	30,842	31,226	31,609	31,992	32,374	32,757
24,606	24,959	25,313	25,668	26,023	26,379	26,735	27,091	27,448	27,806
20,370	20,690	21,011	21,334	21,657	21,982	22,307	22,634	22,961	23,289
16,620	16,905	17,192	17,480	17,770	18,061	18,353	18,647	18,942	19,238
13,365	13,614	13,866	14,119	14,374	14,630	14,889	15,148	15,410	15,673
10,337	10,545	10,755	10,968	11,182	11,398	11,615	11,835	12,056	12,279
7,691	7,857	8,025	8,195	8,366	8,540	8,715	8,891	9,070	9,250
5,482	5,608	5,735	5,864	5,994	6,126	6,260	6,395	6,531	6,669
3,765	3,855	3,947	4,040	4,134	4,230	4,326	4,424	4,524	4,624
2,484	2,545	2,608	2,672	2,736	2,802	2,868	2,936	3,004	3,073
1,570	1,609	1,650	1,691	1,733	1,775	1,818	1,862	1,906	1,951
947	971	996	1,021	1,046	1,072	1,098	1,124	1,151	1,178
558	572	587	601	616	631	647	662	678	694
323	331	339	348	356	365	374	383	392	402
183	188	193	198	202	207	212	218	223	228
102	105	107	110	113	116	118	121	124	127
56	57	59	60	62	63	65	66	68	70
30	31	32	32	33	34	35	36	37	37
16	16	17	17	18	18	18	19	19	20
8	8	9	9	9	9	10	10	10	10

4	4	4	5	5	5	5	5	5	5
2	2	2	2	2	2	2	2	2	3
1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
99,966	99,967	99,968	99,969	99,970	99,971	99,972	99,973	99,974	99,975
99,965	99,966	99,967	99,968	99,969	99,970	99,971	99,972	99,973	99,974
99,964	99,965	99,966	99,967	99,968	99,969	99,970	99,971	99,972	99,973
99,963	99,964	99,965	99,966	99,968	99,969	99,970	99,971	99,972	99,973
99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970	99,971	99,972
99,962	99,963	99,964	99,965	99,966	99,967	99,968	99,969	99,970	99,971
99,961	99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970	99,971
99,960	99,962	99,963	99,964	99,965	99,966	99,968	99,969	99,970	99,971
99,960	99,961	99,963	99,964	99,965	99,966	99,967	99,968	99,969	99,970
99,960	99,961	99,962	99,963	99,965	99,966	99,967	99,968	99,969	99,970
99,959	99,960	99,962	99,963	99,964	99,965	99,967	99,968	99,969	99,970
99,959	99,960	99,961	99,962	99,964	99,965	99,966	99,967	99,968	99,969
99,958	99,959	99,961	99,962	99,963	99,964	99,965	99,967	99,968	99,969
99,956	99,958	99,959	99,961	99,962	99,963	99,964	99,965	99,967	99,968
99,954	99,956	99,957	99,958	99,960	99,961	99,962	99,963	99,965	99,966
99,951	99,952	99,954	99,955	99,957	99,958	99,959	99,961	99,962	99,963
99,946	99,948	99,950	99,951	99,953	99,954	99,955	99,957	99,958	99,959
99,942	99,943	99,945	99,947	99,948	99,950	99,951	99,952	99,954	99,955
99,937	99,939	99,940	99,942	99,944	99,945	99,947	99,948	99,950	99,951
99,932	99,934	99,935	99,937	99,939	99,941	99,942	99,944	99,945	99,947
99,926	99,929	99,930	99,932	99,934	99,936	99,938	99,939	99,941	99,943
99,921	99,923	99,925	99,927	99,929	99,931	99,933	99,935	99,937	99,938
99,916	99,918	99,920	99,922	99,924	99,926	99,928	99,930	99,932	99,934
99,911	99,913	99,915	99,917	99,919	99,922	99,924	99,926	99,927	99,929
99,905	99,907	99,910	99,912	99,914	99,916	99,918	99,921	99,923	99,925
99,899	99,901	99,904	99,906	99,908	99,911	99,913	99,915	99,917	99,919
99,892	99,895	99,897	99,900	99,902	99,905	99,907	99,909	99,912	99,914
99,884	99,887	99,890	99,893	99,895	99,898	99,900	99,903	99,905	99,907
99,876	99,879	99,882	99,885	99,888	99,890	99,893	99,895	99,898	99,900
99,867	99,871	99,874	99,877	99,880	99,882	99,885	99,888	99,890	99,893
99,859	99,862	99,865	99,868	99,871	99,874	99,877	99,880	99,883	99,886
99,850	99,853	99,857	99,860	99,863	99,866	99,869	99,872	99,875	99,878
99,840	99,844	99,848	99,851	99,854	99,858	99,861	99,864	99,867	99,870
99,831	99,835	99,838	99,842	99,846	99,849	99,853	99,856	99,859	99,862
99,821	99,825	99,829	99,833	99,836	99,840	99,844	99,847	99,851	99,854
99,810	99,814	99,818	99,823	99,827	99,831	99,834	99,838	99,842	99,845
99,799	99,803	99,808	99,812	99,816	99,821	99,825	99,829	99,832	99,836
99,787	99,792	99,797	99,801	99,806	99,810	99,814	99,819	99,823	99,827
99,775	99,780	99,785	99,790	99,795	99,799	99,804	99,808	99,812	99,817
99,762	99,767	99,772	99,777	99,782	99,787	99,792	99,797	99,801	99,806
99,747	99,753	99,759	99,764	99,769	99,775	99,780	99,785	99,789	99,794
99,732	99,738	99,744	99,750	99,755	99,761	99,766	99,771	99,777	99,782
99,716	99,722	99,728	99,734	99,740	99,746	99,752	99,757	99,763	99,768
99,698	99,705	99,712	99,718	99,724	99,731	99,737	99,742	99,748	99,754
99,680	99,687	99,694	99,701	99,708	99,714	99,720	99,727	99,733	99,739
99,660	99,668	99,675	99,683	99,690	99,697	99,704	99,710	99,717	99,723
99,640	99,648	99,656	99,664	99,671	99,678	99,686	99,693	99,700	99,706
99,618	99,627	99,635	99,643	99,651	99,659	99,667	99,675	99,682	99,689
99,595	99,605	99,613	99,622	99,631	99,639	99,647	99,655	99,663	99,671
99,571	99,581	99,590	99,600	99,609	99,618	99,626	99,635	99,643	99,651
99,545	99,556	99,566	99,576	99,585	99,595	99,604	99,613	99,622	99,631
99,518	99,529	99,540	99,550	99,561	99,571	99,580	99,590	99,599	99,609

99,489	99,501	99,512	99,523	99,534	99,545	99,555	99,565	99,575	99,585
99,458	99,470	99,483	99,495	99,506	99,518	99,529	99,540	99,550	99,560
99,425	99,439	99,452	99,464	99,477	99,489	99,501	99,512	99,523	99,534
99,390	99,405	99,418	99,432	99,445	99,458	99,470	99,483	99,495	99,506
99,352	99,367	99,382	99,397	99,411	99,424	99,438	99,451	99,464	99,476
99,310	99,326	99,342	99,357	99,372	99,387	99,401	99,415	99,429	99,442
99,261	99,278	99,295	99,312	99,328	99,343	99,359	99,374	99,388	99,403
99,205	99,224	99,242	99,260	99,277	99,294	99,310	99,326	99,342	99,357
99,141	99,161	99,181	99,200	99,219	99,237	99,255	99,272	99,289	99,306
99,070	99,092	99,113	99,134	99,154	99,174	99,193	99,212	99,230	99,248
98,993	99,016	99,039	99,062	99,083	99,105	99,126	99,146	99,166	99,185
98,910	98,935	98,960	98,984	99,008	99,031	99,053	99,075	99,097	99,118
98,821	98,849	98,875	98,902	98,927	98,952	98,976	99,000	99,023	99,046
98,726	98,756	98,785	98,813	98,841	98,868	98,894	98,920	98,945	98,969
98,625	98,657	98,688	98,718	98,748	98,777	98,806	98,833	98,861	98,887
98,514	98,549	98,583	98,616	98,648	98,680	98,710	98,740	98,770	98,798
98,394	98,432	98,468	98,504	98,539	98,573	98,606	98,639	98,671	98,702
98,262	98,303	98,343	98,381	98,419	98,456	98,492	98,527	98,562	98,596
98,115	98,159	98,202	98,245	98,286	98,326	98,365	98,403	98,441	98,477
97,950	97,998	98,045	98,091	98,136	98,179	98,222	98,264	98,305	98,344
97,763	97,815	97,867	97,917	97,966	98,013	98,060	98,106	98,150	98,194
97,550	97,607	97,663	97,718	97,772	97,824	97,875	97,925	97,974	98,021
97,305	97,368	97,429	97,489	97,548	97,606	97,662	97,717	97,770	97,822
97,021	97,090	97,158	97,224	97,289	97,352	97,414	97,475	97,534	97,591
96,690	96,767	96,842	96,915	96,986	97,056	97,125	97,192	97,257	97,321
96,302	96,387	96,470	96,552	96,631	96,709	96,784	96,859	96,931	97,002
95,845	95,940	96,032	96,123	96,211	96,298	96,382	96,465	96,545	96,624
95,304	95,410	95,513	95,614	95,713	95,809	95,904	95,996	96,086	96,175
94,661	94,780	94,895	95,009	95,119	95,228	95,333	95,437	95,538	95,638
93,895	94,028	94,158	94,285	94,409	94,531	94,650	94,767	94,881	94,992
92,977	93,126	93,272	93,415	93,555	93,692	93,827	93,958	94,087	94,213
91,870	92,038	92,202	92,364	92,522	92,676	92,828	92,977	93,122	93,265
90,529	90,719	90,904	91,086	91,265	91,440	91,611	91,779	91,944	92,106
88,903	89,116	89,325	89,530	89,732	89,930	90,124	90,314	90,501	90,684
86,929	87,169	87,404	87,635	87,862	88,085	88,305	88,520	88,731	88,939
84,537	84,805	85,069	85,328	85,583	85,834	86,081	86,324	86,562	86,797
81,650	81,948	82,242	82,532	82,817	83,097	83,374	83,646	83,913	84,177
78,187	78,517	78,841	79,162	79,477	79,789	80,096	80,398	80,697	80,991
74,073	74,432	74,787	75,137	75,483	75,824	76,161	76,494	76,822	77,147
69,243	69,628	70,009	70,386	70,759	71,128	71,492	71,853	72,209	72,561
63,722	64,127	64,529	64,927	65,321	65,711	66,098	66,480	66,859	67,235
57,775	58,193	58,608	59,019	59,427	59,831	60,233	60,631	61,026	61,417
51,648	52,069	52,488	52,904	53,318	53,728	54,137	54,542	54,945	55,345
45,484	45,900	46,314	46,727	47,137	47,545	47,952	48,356	48,758	49,158
39,360	39,762	40,162	40,561	40,958	41,355	41,750	42,144	42,536	42,927
33,460	33,838	34,216	34,593	34,970	35,346	35,721	36,096	36,470	36,843
27,934	28,282	28,630	28,978	29,327	29,675	30,024	30,372	30,720	31,068
22,895	23,208	23,522	23,836	24,151	24,466	24,782	25,098	25,415	25,732
18,417	18,692	18,968	19,246	19,524	19,803	20,083	20,364	20,645	20,928
14,100	14,328	14,556	14,785	15,016	15,248	15,481	15,715	15,950	16,186
10,268	10,443	10,620	10,798	10,977	11,157	11,339	11,521	11,705	11,889
7,150	7,277	7,405	7,534	7,665	7,796	7,928	8,061	8,195	8,330
4,741	4,827	4,913	5,001	5,088	5,177	5,266	5,356	5,447	5,538
3,083	3,140	3,197	3,255	3,313	3,372	3,431	3,491	3,551	3,612
1,966	2,003	2,040	2,078	2,116	2,154	2,193	2,231	2,271	2,310
1,230	1,253	1,277	1,301	1,325	1,350	1,374	1,399	1,424	1,450
755	769	784	799	814	830	845	861	877	892
454	463	473	482	491	501	510	520	529	539
268	274	279	285	291	296	302	308	314	320
156	159	162	165	169	172	175	179	182	186
88	90	92	94	96	98	100	102	104	106

2097	2098	2099	2100
100,000	100,000	100,000	100,000
99,976	99,977	99,978	99,978
99,975	99,976	99,976	99,977
99,974	99,975	99,976	99,976
99,973	99,974	99,975	99,976
99,973	99,974	99,975	99,975
99,972	99,973	99,974	99,975
99,972	99,973	99,974	99,975
99,972	99,973	99,974	99,974
99,971	99,972	99,973	99,974
99,971	99,972	99,973	99,974
99,971	99,972	99,973	99,974
99,970	99,971	99,972	99,973
99,970	99,971	99,972	99,973
99,969	99,970	99,971	99,972
99,968	99,969	99,970	99,971
99,967	99,968	99,969	99,970
99,965	99,966	99,967	99,968
99,960	99,962	99,963	99,964
99,955	99,956	99,958	99,959
99,948	99,950	99,951	99,953
99,940	99,942	99,944	99,945
99,930	99,932	99,934	99,936
99,918	99,921	99,923	99,925
99,905	99,907	99,910	99,912
99,888	99,891	99,894	99,896
99,869	99,872	99,875	99,878
99,848	99,851	99,854	99,858
99,823	99,827	99,830	99,834
99,794	99,798	99,802	99,806
99,761	99,765	99,769	99,773
99,723	99,728	99,732	99,737
99,684	99,689	99,694	99,699
99,644	99,650	99,655	99,661
99,606	99,612	99,618	99,624
99,570	99,576	99,583	99,589
99,536	99,543	99,550	99,557
99,506	99,513	99,520	99,528
99,477	99,485	99,493	99,501
99,451	99,459	99,468	99,476
99,426	99,434	99,443	99,452
99,401	99,410	99,419	99,428
99,376	99,386	99,395	99,405
99,351	99,361	99,372	99,382
99,326	99,337	99,347	99,358
99,300	99,312	99,323	99,334
99,274	99,286	99,298	99,309
99,247	99,260	99,272	99,284
99,220	99,233	99,246	99,259
99,192	99,206	99,220	99,233
99,164	99,179	99,193	99,207
99,136	99,151	99,166	99,181
99,107	99,123	99,139	99,155
99,079	99,095	99,112	99,128
99,049	99,066	99,084	99,100
99,018	99,037	99,055	99,072

98,986	99,005	99,024	99,043
98,952	98,972	98,992	99,011
98,915	98,936	98,957	98,977
98,875	98,897	98,919	98,940
98,831	98,854	98,877	98,900
98,782	98,807	98,831	98,855
98,727	98,754	98,780	98,805
98,667	98,695	98,722	98,749
98,598	98,628	98,658	98,686
98,521	98,553	98,585	98,615
98,434	98,468	98,502	98,535
98,334	98,372	98,408	98,443
98,222	98,262	98,302	98,340
98,099	98,142	98,184	98,225
97,962	98,009	98,055	98,100
97,810	97,861	97,910	97,958
97,635	97,690	97,744	97,797
97,432	97,492	97,550	97,608
97,190	97,256	97,320	97,383
96,899	96,972	97,043	97,112
96,545	96,626	96,704	96,781
96,112	96,201	96,289	96,374
95,577	95,678	95,776	95,871
94,919	95,032	95,142	95,250
94,113	94,240	94,364	94,486
93,134	93,277	93,417	93,554
91,957	92,118	92,276	92,431
90,558	90,740	90,918	91,093
88,913	89,118	89,319	89,516
86,997	87,226	87,451	87,672
84,782	85,037	85,288	85,535
82,238	82,521	82,799	83,073
79,322	79,633	79,940	80,242
75,921	76,261	76,595	76,926
71,867	72,233	72,595	72,953
67,093	67,482	67,867	68,249
61,700	62,106	62,509	62,909
55,927	56,343	56,756	57,167
50,013	50,432	50,848	51,262
44,155	44,568	44,979	45,389
38,497	38,897	39,297	39,695
33,139	33,521	33,903	34,284
28,163	28,521	28,880	29,238
23,618	23,948	24,279	24,610
19,536	19,835	20,135	20,436
15,938	16,204	16,472	16,741
12,504	12,730	12,958	13,188
9,432	9,615	9,801	9,987
6,809	6,950	7,093	7,237
4,726	4,829	4,933	5,039
3,143	3,215	3,287	3,360
1,996	2,043	2,089	2,137
1,206	1,234	1,262	1,291
711	727	744	761
411	420	430	440
233	239	244	250
130	133	136	139
71	73	75	76
38	39	40	41
20	21	21	22
10	11	11	11

5	5	6	6
3	3	3	3
1	1	1	1
1	1	1	1

2097	2098	2099	2100
100,000	100,000	100,000	100,000
99,976	99,977	99,977	99,978
99,975	99,976	99,976	99,977
99,974	99,975	99,976	99,977
99,973	99,974	99,975	99,976
99,973	99,974	99,975	99,975
99,972	99,973	99,974	99,975
99,972	99,973	99,974	99,975
99,972	99,973	99,973	99,974
99,971	99,972	99,973	99,974
99,971	99,972	99,973	99,974
99,971	99,972	99,973	99,973
99,970	99,971	99,972	99,973
99,970	99,971	99,972	99,973
99,969	99,970	99,971	99,972
99,967	99,968	99,969	99,970
99,964	99,965	99,966	99,967
99,960	99,962	99,963	99,964
99,956	99,958	99,959	99,960
99,953	99,954	99,955	99,956
99,948	99,950	99,951	99,953
99,944	99,946	99,947	99,949
99,940	99,941	99,943	99,945
99,936	99,937	99,939	99,940
99,931	99,933	99,935	99,936
99,926	99,928	99,930	99,932
99,921	99,923	99,925	99,927
99,916	99,918	99,920	99,922
99,910	99,912	99,914	99,916
99,903	99,905	99,907	99,909
99,896	99,898	99,900	99,903
99,888	99,891	99,893	99,896
99,881	99,884	99,886	99,889
99,873	99,876	99,879	99,882
99,866	99,869	99,872	99,874
99,857	99,861	99,864	99,867
99,849	99,852	99,855	99,859
99,840	99,843	99,847	99,850
99,830	99,834	99,838	99,842
99,821	99,825	99,829	99,832
99,810	99,814	99,818	99,822
99,799	99,803	99,808	99,812
99,786	99,791	99,796	99,800
99,773	99,778	99,783	99,788
99,759	99,765	99,770	99,775
99,745	99,750	99,756	99,761
99,729	99,735	99,741	99,747
99,713	99,719	99,726	99,732
99,696	99,703	99,709	99,716
99,678	99,685	99,692	99,699
99,659	99,667	99,674	99,682
99,639	99,647	99,655	99,663
99,617	99,626	99,635	99,643

99,595	99,604	99,613	99,622
99,571	99,580	99,590	99,599
99,545	99,556	99,566	99,576
99,518	99,529	99,540	99,551
99,488	99,500	99,512	99,523
99,455	99,468	99,480	99,492
99,417	99,430	99,443	99,456
99,372	99,387	99,401	99,415
99,322	99,338	99,353	99,368
99,265	99,283	99,299	99,316
99,204	99,223	99,241	99,258
99,138	99,158	99,178	99,197
99,068	99,090	99,111	99,131
98,993	99,017	99,039	99,062
98,913	98,938	98,963	98,987
98,826	98,854	98,880	98,906
98,732	98,762	98,791	98,819
98,628	98,661	98,692	98,722
98,513	98,548	98,582	98,615
98,383	98,421	98,458	98,495
98,236	98,277	98,318	98,357
98,068	98,113	98,157	98,201
97,873	97,923	97,972	98,020
97,647	97,702	97,756	97,809
97,383	97,444	97,503	97,561
97,071	97,139	97,205	97,269
96,701	96,777	96,850	96,922
96,261	96,345	96,428	96,509
95,735	95,829	95,922	96,013
95,102	95,209	95,313	95,416
94,337	94,458	94,576	94,692
93,405	93,542	93,676	93,808
92,265	92,420	92,572	92,722
90,864	91,041	91,214	91,384
89,143	89,343	89,540	89,733
87,027	87,254	87,477	87,696
84,437	84,692	84,944	85,191
81,280	81,566	81,847	82,125
77,467	77,782	78,094	78,402
72,909	73,253	73,593	73,930
67,606	67,974	68,338	68,699
61,805	62,190	62,572	62,951
55,742	56,137	56,529	56,918
49,557	49,953	50,347	50,738
43,317	43,705	44,092	44,477
37,215	37,587	37,958	38,328
31,416	31,764	32,111	32,458
26,050	26,368	26,686	27,004
21,211	21,495	21,780	22,065
16,423	16,661	16,900	17,141
12,075	12,262	12,449	12,638
8,466	8,602	8,740	8,878
5,630	5,723	5,816	5,910
3,673	3,734	3,796	3,859
2,350	2,390	2,431	2,471
1,475	1,501	1,527	1,553
909	925	941	958
549	559	569	579
326	332	338	344
190	193	197	200
108	110	113	115

61	62	63	64
33	34	35	36
18	18	19	19
10	10	10	10
5	5	5	5
3	3	3	3
1	1	1	1

q_x - The proportion of persons dying between exact age x and exact age x + 1

Males	Age	2010	2011	2012	2013	2014	2015	2016
Males	0	0.004649	0.004506	0.004367	0.004233	0.004102	0.003975	0.003851
Males	1	0.000349	0.000337	0.000326	0.000315	0.000305	0.000294	0.000284
Males	2	0.000212	0.000203	0.000195	0.000187	0.000179	0.000172	0.000165
Males	3	0.000156	0.000150	0.000143	0.000137	0.000131	0.000126	0.000120
Males	4	0.000123	0.000118	0.000112	0.000107	0.000103	0.000098	0.000094
Males	5	0.000105	0.000101	0.000096	0.000092	0.000088	0.000084	0.000080
Males	6	0.000094	0.000090	0.000086	0.000082	0.000079	0.000075	0.000072
Males	7	0.000085	0.000081	0.000078	0.000074	0.000071	0.000068	0.000065
Males	8	0.000081	0.000078	0.000074	0.000071	0.000068	0.000065	0.000062
Males	9	0.000081	0.000077	0.000074	0.000071	0.000068	0.000065	0.000062
Males	10	0.000081	0.000078	0.000075	0.000072	0.000069	0.000066	0.000063
Males	11	0.000090	0.000086	0.000083	0.000080	0.000077	0.000074	0.000071
Males	12	0.000100	0.000096	0.000092	0.000089	0.000086	0.000082	0.000079
Males	13	0.000114	0.000110	0.000105	0.000102	0.000098	0.000094	0.000091
Males	14	0.000141	0.000136	0.000131	0.000126	0.000121	0.000117	0.000113
Males	15	0.000196	0.000189	0.000182	0.000176	0.000169	0.000163	0.000158
Males	16	0.000297	0.000287	0.000276	0.000267	0.000257	0.000248	0.000240
Males	17	0.000437	0.000421	0.000406	0.000391	0.000377	0.000364	0.000352
Males	18	0.000548	0.000527	0.000508	0.000489	0.000471	0.000454	0.000438
Males	19	0.000626	0.000603	0.000582	0.000561	0.000541	0.000523	0.000505
Males	20	0.000672	0.000650	0.000628	0.000608	0.000588	0.000569	0.000551
Males	21	0.000702	0.000682	0.000662	0.000643	0.000624	0.000606	0.000589
Males	22	0.000714	0.000695	0.000676	0.000658	0.000640	0.000623	0.000607
Males	23	0.000720	0.000702	0.000684	0.000666	0.000649	0.000633	0.000618
Males	24	0.000728	0.000711	0.000693	0.000676	0.000660	0.000645	0.000630
Males	25	0.000745	0.000728	0.000712	0.000696	0.000680	0.000665	0.000651
Males	26	0.000775	0.000759	0.000743	0.000728	0.000713	0.000699	0.000685
Males	27	0.000814	0.000800	0.000785	0.000771	0.000758	0.000744	0.000732
Males	28	0.000858	0.000845	0.000832	0.000819	0.000807	0.000795	0.000783
Males	29	0.000902	0.000890	0.000879	0.000868	0.000857	0.000847	0.000836
Males	30	0.000943	0.000934	0.000924	0.000915	0.000906	0.000897	0.000888
Males	31	0.000979	0.000971	0.000963	0.000954	0.000946	0.000938	0.000930
Males	32	0.001014	0.001006	0.000999	0.000992	0.000984	0.000977	0.000969
Males	33	0.001046	0.001039	0.001032	0.001024	0.001017	0.001010	0.001002
Males	34	0.001074	0.001066	0.001058	0.001051	0.001043	0.001035	0.001026
Males	35	0.001100	0.001091	0.001082	0.001073	0.001064	0.001055	0.001045
Males	36	0.001127	0.001116	0.001105	0.001094	0.001083	0.001072	0.001061
Males	37	0.001160	0.001147	0.001134	0.001121	0.001108	0.001095	0.001081
Males	38	0.001202	0.001187	0.001171	0.001156	0.001140	0.001125	0.001109
Males	39	0.001259	0.001240	0.001222	0.001204	0.001186	0.001168	0.001150
Males	40	0.001327	0.001305	0.001284	0.001263	0.001242	0.001221	0.001201
Males	41	0.001409	0.001384	0.001359	0.001335	0.001310	0.001287	0.001263
Males	42	0.001504	0.001474	0.001445	0.001417	0.001390	0.001362	0.001335
Males	43	0.001612	0.001579	0.001546	0.001514	0.001482	0.001452	0.001421
Males	44	0.001732	0.001694	0.001656	0.001620	0.001584	0.001549	0.001515
Males	45	0.001864	0.001821	0.001778	0.001737	0.001696	0.001657	0.001619
Males	46	0.002009	0.001959	0.001911	0.001865	0.001819	0.001775	0.001732
Males	47	0.002166	0.002111	0.002057	0.002004	0.001953	0.001904	0.001856
Males	48	0.002333	0.002271	0.002210	0.002151	0.002094	0.002039	0.001986
Males	49	0.002512	0.002442	0.002374	0.002308	0.002244	0.002183	0.002123
Males	50	0.002701	0.002623	0.002547	0.002473	0.002403	0.002334	0.002268
Males	51	0.002903	0.002816	0.002732	0.002651	0.002572	0.002496	0.002423
Males	52	0.003122	0.003026	0.002932	0.002842	0.002755	0.002671	0.002590
Males	53	0.003366	0.003259	0.003156	0.003057	0.002961	0.002868	0.002779
Males	54	0.003641	0.003523	0.003409	0.003300	0.003194	0.003092	0.002995

Males	55	0.003953	0.003823	0.003698	0.003577	0.003461	0.003349	0.003242
Males	56	0.004309	0.004167	0.004029	0.003896	0.003768	0.003646	0.003528
Males	57	0.004715	0.004559	0.004408	0.004262	0.004122	0.003987	0.003858
Males	58	0.005177	0.005005	0.004839	0.004679	0.004525	0.004377	0.004235
Males	59	0.005700	0.005512	0.005329	0.005154	0.004985	0.004822	0.004666
Males	60	0.006291	0.006084	0.005884	0.005691	0.005506	0.005327	0.005155
Males	61	0.006955	0.006728	0.006508	0.006296	0.006092	0.005895	0.005707
Males	62	0.007698	0.007447	0.007206	0.006972	0.006748	0.006532	0.006324
Males	63	0.008525	0.008250	0.007984	0.007727	0.007480	0.007242	0.007014
Males	64	0.009442	0.009140	0.008848	0.008565	0.008294	0.008032	0.007780
Males	65	0.010456	0.010124	0.009803	0.009492	0.009194	0.008906	0.008629
Males	66	0.011571	0.011206	0.010853	0.010512	0.010183	0.009867	0.009562
Males	67	0.012769	0.012368	0.011980	0.011606	0.011245	0.010897	0.010563
Males	68	0.013976	0.013535	0.013109	0.012698	0.012302	0.011921	0.011554
Males	69	0.015277	0.014793	0.014326	0.013875	0.013440	0.013022	0.012620
Males	70	0.016786	0.016256	0.015743	0.015249	0.014772	0.014314	0.013874
Males	71	0.018558	0.017977	0.017416	0.016874	0.016352	0.015850	0.015367
Males	72	0.020632	0.019997	0.019383	0.018790	0.018219	0.017670	0.017141
Males	73	0.023048	0.022356	0.021685	0.021037	0.020413	0.019812	0.019233
Males	74	0.025848	0.025095	0.024364	0.023658	0.022977	0.022320	0.021688
Males	75	0.029071	0.028254	0.027461	0.026693	0.025952	0.025237	0.024547
Males	76	0.032756	0.031873	0.031015	0.030184	0.029380	0.028603	0.027854
Males	77	0.036942	0.035992	0.035067	0.034170	0.033301	0.032461	0.031650
Males	78	0.041664	0.040645	0.039652	0.038688	0.037753	0.036848	0.035972
Males	79	0.046954	0.045866	0.044804	0.043771	0.042768	0.041796	0.040854
Males	80	0.052848	0.051689	0.050558	0.049456	0.048385	0.047345	0.046336
Males	81	0.059370	0.058142	0.056942	0.055770	0.054630	0.053520	0.052442
Males	82	0.066550	0.065253	0.063983	0.062742	0.061532	0.060353	0.059204
Males	83	0.074411	0.073045	0.071706	0.070396	0.069116	0.067867	0.066648
Males	84	0.082976	0.081542	0.080136	0.078757	0.077408	0.076089	0.074800
Males	85	0.092260	0.090760	0.089286	0.087840	0.086422	0.085034	0.083675
Males	86	0.102279	0.100714	0.099174	0.097661	0.096177	0.094721	0.093293
Males	87	0.113238	0.111613	0.110014	0.108440	0.106893	0.105374	0.103883
Males	88	0.126085	0.124425	0.122789	0.121177	0.119591	0.118029	0.116493
Males	89	0.141494	0.139845	0.138217	0.136609	0.135022	0.133458	0.131915
Males	90	0.158434	0.156827	0.155237	0.153663	0.152107	0.150567	0.149045
Males	91	0.175532	0.173969	0.172421	0.170886	0.169364	0.167856	0.166361
Males	92	0.191749	0.190210	0.188682	0.187165	0.185660	0.184165	0.182680
Males	93	0.207132	0.205595	0.204068	0.202552	0.201045	0.199546	0.198055
Males	94	0.221953	0.220407	0.218870	0.217343	0.215822	0.214309	0.212803
Males	95	0.236470	0.234913	0.233364	0.231824	0.230289	0.228760	0.227236
Males	96	0.250925	0.249364	0.247812	0.246266	0.244725	0.243186	0.241651
Males	97	0.265296	0.263743	0.262196	0.260655	0.259115	0.257577	0.256038
Males	98	0.279742	0.278214	0.276691	0.275172	0.273651	0.272127	0.270601
Males	99	0.294274	0.292792	0.291314	0.289836	0.288353	0.286863	0.285365
Males	100	0.308757	0.307309	0.305864	0.304416	0.302960	0.301493	0.300015
Males	101	0.325135	0.324186	0.323232	0.322268	0.321282	0.320273	0.319236
Males	102	0.339493	0.339004	0.338508	0.337993	0.337448	0.336868	0.336249
Males	103	0.353638	0.353625	0.353600	0.353553	0.353466	0.353334	0.353152
Males	104	0.365614	0.365603	0.365584	0.365547	0.365480	0.365378	0.365238
Males	105	0.377340	0.377332	0.377318	0.377292	0.377245	0.377174	0.377077
Males	106	0.388820	0.388814	0.388806	0.388791	0.388764	0.388724	0.388670
Males	107	0.400056	0.400053	0.400050	0.400046	0.400040	0.400032	0.400021
Males	108	0.411051	0.411049	0.411047	0.411045	0.411043	0.411041	0.411039
Males	109	0.421809	0.421807	0.421805	0.421803	0.421800	0.421798	0.421796
Males	110	0.432332	0.432330	0.432328	0.432325	0.432323	0.432321	0.432319
Males	111	0.442623	0.442620	0.442618	0.442616	0.442614	0.442611	0.442609
Males	112	0.452684	0.452682	0.452680	0.452677	0.452675	0.452673	0.452670
Males	113	0.462519	0.462517	0.462515	0.462512	0.462510	0.462508	0.462505
Males	114	0.472131	0.472128	0.472126	0.472123	0.472121	0.472119	0.472116
Males	115	0.481521	0.481519	0.481516	0.481514	0.481511	0.481509	0.481507

Males	116	0.490694	0.490691	0.490689	0.490686	0.490684	0.490681	0.490679
Males	117	0.499651	0.499649	0.499646	0.499644	0.499641	0.499638	0.499636
Males	118	0.508396	0.508394	0.508391	0.508388	0.508386	0.508383	0.508381
Males	119	0.516932	0.516929	0.516927	0.516924	0.516921	0.516919	0.516916
Males	120	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Females	Age	2010	2011	2012	2013	2014	2015	2016
Females	0	0.003957	0.003846	0.003737	0.003631	0.003528	0.003427	0.003329
Females	1	0.000276	0.000265	0.000255	0.000246	0.000236	0.000227	0.000218
Females	2	0.000167	0.000161	0.000155	0.000149	0.000144	0.000139	0.000134
Females	3	0.000134	0.000130	0.000126	0.000122	0.000118	0.000114	0.000111
Females	4	0.000108	0.000105	0.000101	0.000098	0.000095	0.000092	0.000089
Females	5	0.000096	0.000093	0.000090	0.000087	0.000085	0.000082	0.000080
Females	6	0.000082	0.000079	0.000077	0.000074	0.000072	0.000070	0.000068
Females	7	0.000071	0.000068	0.000066	0.000064	0.000062	0.000059	0.000057
Females	8	0.000063	0.000060	0.000058	0.000056	0.000054	0.000052	0.000050
Females	9	0.000060	0.000057	0.000055	0.000053	0.000051	0.000049	0.000047
Females	10	0.000060	0.000057	0.000055	0.000053	0.000051	0.000049	0.000048
Females	11	0.000064	0.000061	0.000059	0.000057	0.000055	0.000053	0.000051
Females	12	0.000071	0.000069	0.000066	0.000064	0.000062	0.000060	0.000058
Females	13	0.000091	0.000088	0.000086	0.000083	0.000081	0.000079	0.000077
Females	14	0.000126	0.000123	0.000120	0.000117	0.000114	0.000112	0.000109
Females	15	0.000166	0.000162	0.000159	0.000155	0.000152	0.000149	0.000146
Females	16	0.000202	0.000198	0.000193	0.000189	0.000185	0.000181	0.000177
Females	17	0.000228	0.000223	0.000218	0.000213	0.000208	0.000203	0.000199
Females	18	0.000245	0.000240	0.000234	0.000229	0.000224	0.000219	0.000214
Females	19	0.000254	0.000249	0.000243	0.000238	0.000232	0.000227	0.000222
Females	20	0.000258	0.000252	0.000247	0.000241	0.000236	0.000231	0.000226
Females	21	0.000259	0.000253	0.000248	0.000242	0.000237	0.000232	0.000227
Females	22	0.000259	0.000254	0.000248	0.000243	0.000238	0.000232	0.000227
Females	23	0.000262	0.000256	0.000251	0.000245	0.000240	0.000235	0.000230
Females	24	0.000267	0.000261	0.000256	0.000251	0.000245	0.000240	0.000235
Females	25	0.000276	0.000270	0.000265	0.000260	0.000255	0.000250	0.000245
Females	26	0.000290	0.000285	0.000280	0.000274	0.000269	0.000264	0.000259
Females	27	0.000311	0.000306	0.000301	0.000296	0.000291	0.000286	0.000282
Females	28	0.000332	0.000328	0.000323	0.000319	0.000314	0.000310	0.000305
Females	29	0.000350	0.000346	0.000341	0.000337	0.000332	0.000328	0.000323
Females	30	0.000368	0.000363	0.000359	0.000354	0.000350	0.000346	0.000341
Females	31	0.000386	0.000381	0.000376	0.000371	0.000367	0.000362	0.000357
Females	32	0.000407	0.000402	0.000398	0.000393	0.000388	0.000383	0.000377
Females	33	0.000433	0.000428	0.000422	0.000417	0.000411	0.000406	0.000400
Females	34	0.000463	0.000457	0.000451	0.000445	0.000439	0.000433	0.000427
Females	35	0.000497	0.000491	0.000484	0.000478	0.000471	0.000464	0.000458
Females	36	0.000537	0.000529	0.000522	0.000515	0.000507	0.000500	0.000493
Females	37	0.000580	0.000572	0.000563	0.000555	0.000547	0.000538	0.000530
Females	38	0.000630	0.000620	0.000610	0.000600	0.000591	0.000581	0.000572
Females	39	0.000684	0.000673	0.000662	0.000651	0.000640	0.000630	0.000619
Females	40	0.000745	0.000732	0.000720	0.000708	0.000695	0.000683	0.000671
Females	41	0.000811	0.000797	0.000782	0.000768	0.000755	0.000741	0.000727
Females	42	0.000883	0.000867	0.000851	0.000835	0.000820	0.000804	0.000789
Females	43	0.000961	0.000943	0.000925	0.000907	0.000889	0.000872	0.000855
Females	44	0.001045	0.001024	0.001003	0.000983	0.000964	0.000944	0.000925
Females	45	0.001135	0.001112	0.001089	0.001067	0.001045	0.001023	0.001002
Females	46	0.001233	0.001207	0.001182	0.001157	0.001133	0.001109	0.001085
Females	47	0.001337	0.001308	0.001280	0.001252	0.001225	0.001198	0.001172
Females	48	0.001448	0.001416	0.001385	0.001354	0.001324	0.001294	0.001265
Females	49	0.001566	0.001530	0.001495	0.001461	0.001428	0.001395	0.001363
Females	50	0.001691	0.001652	0.001614	0.001576	0.001539	0.001504	0.001468
Females	51	0.001824	0.001781	0.001739	0.001698	0.001658	0.001618	0.001580
Females	52	0.001965	0.001918	0.001871	0.001826	0.001782	0.001739	0.001697

Females	53	0.002112	0.002060	0.002009	0.001960	0.001911	0.001864	0.001818
Females	54	0.002268	0.002211	0.002155	0.002101	0.002048	0.001997	0.001947
Females	55	0.002445	0.002382	0.002322	0.002262	0.002205	0.002149	0.002094
Females	56	0.002653	0.002584	0.002518	0.002453	0.002389	0.002328	0.002268
Females	57	0.002907	0.002832	0.002759	0.002689	0.002620	0.002553	0.002488
Females	58	0.003214	0.003132	0.003053	0.002976	0.002901	0.002828	0.002757
Females	59	0.003566	0.003477	0.003391	0.003307	0.003225	0.003145	0.003068
Females	60	0.003948	0.003852	0.003758	0.003666	0.003577	0.003490	0.003406
Females	61	0.004347	0.004242	0.004139	0.004039	0.003941	0.003846	0.003754
Females	62	0.004755	0.004639	0.004527	0.004417	0.004310	0.004206	0.004105
Females	63	0.005182	0.005055	0.004932	0.004811	0.004694	0.004580	0.004469
Females	64	0.005644	0.005505	0.005369	0.005236	0.005107	0.004982	0.004860
Females	65	0.006158	0.006005	0.005855	0.005709	0.005567	0.005428	0.005294
Females	66	0.006740	0.006570	0.006405	0.006243	0.006087	0.005934	0.005786
Females	67	0.007404	0.007216	0.007033	0.006855	0.006682	0.006514	0.006350
Females	68	0.008168	0.007961	0.007759	0.007563	0.007372	0.007186	0.007005
Females	69	0.009047	0.008819	0.008596	0.008380	0.008169	0.007963	0.007764
Females	70	0.010056	0.009805	0.009559	0.009320	0.009087	0.008861	0.008640
Females	71	0.011213	0.010935	0.010665	0.010402	0.010145	0.009895	0.009651
Females	72	0.012527	0.012221	0.011923	0.011633	0.011349	0.011073	0.010804
Females	73	0.014017	0.013679	0.013350	0.013029	0.012715	0.012409	0.012111
Females	74	0.015733	0.015359	0.014994	0.014638	0.014291	0.013951	0.013621
Females	75	0.017727	0.017313	0.016908	0.016513	0.016127	0.015750	0.015383
Females	76	0.020054	0.019593	0.019144	0.018705	0.018276	0.017857	0.017448
Females	77	0.022764	0.022253	0.021753	0.021264	0.020787	0.020321	0.019865
Females	78	0.025912	0.025344	0.024789	0.024247	0.023716	0.023197	0.022689
Females	79	0.029547	0.028918	0.028302	0.027699	0.027109	0.026531	0.025966
Females	80	0.033719	0.033022	0.032340	0.031671	0.031017	0.030375	0.029748
Females	81	0.038489	0.037719	0.036964	0.036225	0.035500	0.034790	0.034094
Females	82	0.043957	0.043110	0.042279	0.041463	0.040664	0.039880	0.039111
Females	83	0.050236	0.049308	0.048397	0.047503	0.046625	0.045764	0.044918
Females	84	0.057440	0.056431	0.055439	0.054465	0.053508	0.052568	0.051644
Females	85	0.065674	0.064587	0.063518	0.062466	0.061431	0.060413	0.059412
Females	86	0.075039	0.073880	0.072739	0.071614	0.070507	0.069415	0.068340
Females	87	0.085632	0.084411	0.083207	0.082019	0.080848	0.079691	0.078549
Females	88	0.097537	0.096269	0.095017	0.093780	0.092556	0.091347	0.090150
Females	89	0.110831	0.109535	0.108253	0.106984	0.105726	0.104480	0.103245
Females	90	0.125575	0.124274	0.122984	0.121706	0.120436	0.119174	0.117921
Females	91	0.141824	0.140545	0.139277	0.138016	0.136761	0.135511	0.134265
Females	92	0.159040	0.157801	0.156571	0.155345	0.154122	0.152900	0.151678
Females	93	0.175191	0.173956	0.172728	0.171503	0.170280	0.169056	0.167831
Females	94	0.190624	0.189362	0.188107	0.186855	0.185605	0.184354	0.183102
Females	95	0.206316	0.205023	0.203737	0.202455	0.201174	0.199893	0.198612
Females	96	0.223164	0.221863	0.220569	0.219277	0.217987	0.216697	0.215406
Females	97	0.239919	0.238600	0.237286	0.235976	0.234667	0.233359	0.232051
Females	98	0.256634	0.255286	0.253944	0.252606	0.251270	0.249936	0.248603
Females	99	0.273319	0.271935	0.270558	0.269185	0.267815	0.266449	0.265085
Females	100	0.289977	0.288551	0.287132	0.285718	0.284309	0.282905	0.281504
Females	101	0.309202	0.308361	0.307520	0.306673	0.305818	0.304953	0.304076
Females	102	0.325886	0.325586	0.325282	0.324967	0.324632	0.324275	0.323894
Females	103	0.339989	0.339680	0.339370	0.339055	0.338733	0.338402	0.338061
Females	104	0.353766	0.353448	0.353132	0.352819	0.352510	0.352205	0.351906
Females	105	0.367221	0.366891	0.366563	0.366238	0.365917	0.365601	0.365290
Females	106	0.380359	0.380018	0.379678	0.379341	0.379009	0.378681	0.378359
Females	107	0.393184	0.392831	0.392480	0.392132	0.391788	0.391450	0.391117
Females	108	0.405701	0.405337	0.404974	0.404615	0.404260	0.403911	0.403568
Females	109	0.417913	0.417538	0.417165	0.416794	0.416429	0.416069	0.415716
Females	110	0.429824	0.429439	0.429055	0.428674	0.428298	0.427928	0.427565
Females	111	0.441440	0.441043	0.440649	0.440258	0.439872	0.439492	0.439119
Females	112	0.452762	0.452356	0.451952	0.451551	0.451155	0.450765	0.450382
Females	113	0.463797	0.463381	0.462967	0.462556	0.462150	0.461751	0.461359

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
0.003730	0.003613	0.003498	0.003387	0.003279	0.003173	0.003071	0.002971	0.002874	0.002780
0.000274	0.000265	0.000256	0.000247	0.000238	0.000230	0.000222	0.000214	0.000206	0.000198
0.000158	0.000152	0.000146	0.000140	0.000135	0.000130	0.000125	0.000120	0.000116	0.000111
0.000115	0.000111	0.000106	0.000102	0.000098	0.000094	0.000090	0.000086	0.000083	0.000080
0.000090	0.000086	0.000082	0.000079	0.000076	0.000073	0.000070	0.000067	0.000064	0.000062
0.000077	0.000074	0.000070	0.000068	0.000065	0.000062	0.000060	0.000057	0.000055	0.000053
0.000069	0.000066	0.000063	0.000061	0.000058	0.000056	0.000054	0.000052	0.000050	0.000048
0.000062	0.000059	0.000057	0.000055	0.000052	0.000050	0.000048	0.000046	0.000044	0.000043
0.000060	0.000057	0.000055	0.000052	0.000050	0.000048	0.000046	0.000044	0.000043	0.000041
0.000059	0.000057	0.000055	0.000052	0.000050	0.000048	0.000046	0.000045	0.000043	0.000041
0.000061	0.000058	0.000056	0.000054	0.000052	0.000050	0.000048	0.000046	0.000044	0.000042
0.000068	0.000066	0.000063	0.000061	0.000059	0.000057	0.000055	0.000053	0.000051	0.000049
0.000077	0.000074	0.000071	0.000069	0.000066	0.000064	0.000062	0.000060	0.000057	0.000056
0.000088	0.000084	0.000081	0.000079	0.000076	0.000073	0.000071	0.000068	0.000066	0.000064
0.000109	0.000105	0.000101	0.000098	0.000094	0.000091	0.000088	0.000085	0.000082	0.000079
0.000152	0.000147	0.000142	0.000137	0.000132	0.000128	0.000124	0.000120	0.000116	0.000112
0.000232	0.000224	0.000217	0.000210	0.000203	0.000196	0.000190	0.000184	0.000179	0.000173
0.000340	0.000328	0.000318	0.000308	0.000298	0.000289	0.000280	0.000271	0.000263	0.000256
0.000423	0.000409	0.000395	0.000382	0.000370	0.000358	0.000347	0.000337	0.000327	0.000318
0.000488	0.000472	0.000457	0.000443	0.000429	0.000416	0.000403	0.000392	0.000381	0.000370
0.000534	0.000518	0.000502	0.000487	0.000473	0.000460	0.000447	0.000434	0.000423	0.000412
0.000573	0.000557	0.000542	0.000528	0.000514	0.000501	0.000489	0.000476	0.000465	0.000454
0.000591	0.000577	0.000562	0.000549	0.000535	0.000523	0.000511	0.000499	0.000488	0.000477
0.000603	0.000588	0.000575	0.000561	0.000549	0.000537	0.000525	0.000514	0.000503	0.000492
0.000615	0.000602	0.000589	0.000576	0.000564	0.000552	0.000541	0.000531	0.000520	0.000511
0.000637	0.000624	0.000611	0.000599	0.000587	0.000576	0.000566	0.000555	0.000545	0.000536
0.000672	0.000660	0.000647	0.000636	0.000624	0.000613	0.000603	0.000593	0.000583	0.000574
0.000719	0.000707	0.000696	0.000684	0.000673	0.000663	0.000653	0.000643	0.000633	0.000624
0.000772	0.000761	0.000750	0.000740	0.000729	0.000719	0.000710	0.000700	0.000691	0.000682
0.000826	0.000816	0.000806	0.000797	0.000787	0.000778	0.000769	0.000760	0.000751	0.000742
0.000879	0.000870	0.000861	0.000852	0.000844	0.000835	0.000827	0.000818	0.000810	0.000801
0.000921	0.000913	0.000905	0.000896	0.000888	0.000879	0.000871	0.000862	0.000854	0.000845
0.000961	0.000953	0.000945	0.000937	0.000929	0.000920	0.000912	0.000903	0.000894	0.000886
0.000994	0.000986	0.000978	0.000969	0.000961	0.000952	0.000943	0.000933	0.000924	0.000915
0.001018	0.001009	0.001000	0.000990	0.000981	0.000971	0.000961	0.000951	0.000941	0.000931
0.001035	0.001025	0.001015	0.001005	0.000994	0.000983	0.000972	0.000961	0.000949	0.000938
0.001049	0.001038	0.001026	0.001014	0.001002	0.000989	0.000977	0.000964	0.000951	0.000938
0.001068	0.001054	0.001041	0.001027	0.001013	0.000999	0.000985	0.000971	0.000957	0.000943
0.001093	0.001078	0.001062	0.001046	0.001031	0.001015	0.000999	0.000983	0.000968	0.000952
0.001132	0.001114	0.001097	0.001079	0.001061	0.001044	0.001026	0.001009	0.000992	0.000975
0.001180	0.001160	0.001140	0.001120	0.001100	0.001081	0.001061	0.001042	0.001023	0.001005
0.001240	0.001217	0.001195	0.001172	0.001150	0.001129	0.001107	0.001086	0.001065	0.001045
0.001309	0.001283	0.001258	0.001233	0.001208	0.001184	0.001160	0.001137	0.001114	0.001092
0.001392	0.001363	0.001334	0.001307	0.001279	0.001253	0.001226	0.001201	0.001176	0.001151
0.001482	0.001449	0.001417	0.001386	0.001356	0.001326	0.001298	0.001269	0.001242	0.001215
0.001581	0.001545	0.001509	0.001475	0.001441	0.001408	0.001376	0.001345	0.001315	0.001285
0.001690	0.001649	0.001610	0.001572	0.001534	0.001498	0.001463	0.001428	0.001395	0.001363
0.001810	0.001765	0.001721	0.001678	0.001637	0.001597	0.001558	0.001520	0.001484	0.001448
0.001934	0.001884	0.001835	0.001788	0.001742	0.001698	0.001655	0.001614	0.001574	0.001535
0.002066	0.002010	0.001956	0.001904	0.001854	0.001805	0.001758	0.001713	0.001669	0.001626
0.002204	0.002142	0.002083	0.002026	0.001970	0.001917	0.001865	0.001815	0.001767	0.001720
0.002353	0.002285	0.002220	0.002157	0.002096	0.002037	0.001981	0.001926	0.001873	0.001823
0.002513	0.002438	0.002366	0.002297	0.002230	0.002166	0.002104	0.002044	0.001987	0.001932
0.002694	0.002612	0.002533	0.002457	0.002384	0.002314	0.002246	0.002181	0.002118	0.002058
0.002901	0.002811	0.002724	0.002641	0.002561	0.002484	0.002410	0.002339	0.002271	0.002205

0.003139	0.003040	0.002945	0.002853	0.002766	0.002681	0.002601	0.002523	0.002448	0.002376
0.003415	0.003306	0.003202	0.003102	0.003006	0.002914	0.002825	0.002740	0.002658	0.002579
0.003734	0.003615	0.003500	0.003390	0.003285	0.003183	0.003086	0.002992	0.002902	0.002816
0.004099	0.003968	0.003842	0.003722	0.003606	0.003494	0.003387	0.003284	0.003185	0.003090
0.004516	0.004372	0.004234	0.004101	0.003974	0.003851	0.003733	0.003620	0.003511	0.003406
0.004991	0.004832	0.004680	0.004534	0.004393	0.004258	0.004128	0.004003	0.003883	0.003767
0.005525	0.005351	0.005183	0.005022	0.004867	0.004718	0.004575	0.004437	0.004304	0.004176
0.006124	0.005932	0.005747	0.005569	0.005399	0.005234	0.005076	0.004924	0.004777	0.004636
0.006794	0.006582	0.006378	0.006183	0.005994	0.005813	0.005638	0.005470	0.005308	0.005153
0.007538	0.007305	0.007081	0.006865	0.006657	0.006457	0.006265	0.006080	0.005901	0.005729
0.008362	0.008106	0.007859	0.007622	0.007393	0.007173	0.006961	0.006757	0.006560	0.006371
0.009269	0.008987	0.008716	0.008455	0.008203	0.007961	0.007728	0.007504	0.007287	0.007079
0.010241	0.009932	0.009634	0.009347	0.009071	0.008805	0.008550	0.008303	0.008066	0.007837
0.011201	0.010862	0.010536	0.010222	0.009920	0.009629	0.009350	0.009081	0.008821	0.008572
0.012234	0.011863	0.011506	0.011163	0.010833	0.010515	0.010210	0.009916	0.009633	0.009361
0.013451	0.013044	0.012653	0.012277	0.011916	0.011569	0.011235	0.010913	0.010604	0.010307
0.014903	0.014458	0.014029	0.013618	0.013222	0.012841	0.012475	0.012122	0.011783	0.011457
0.016633	0.016144	0.015675	0.015223	0.014789	0.014371	0.013969	0.013582	0.013209	0.012851
0.018677	0.018141	0.017626	0.017131	0.016654	0.016196	0.015754	0.015329	0.014919	0.014525
0.021080	0.020494	0.019930	0.019387	0.018864	0.018361	0.017876	0.017408	0.016958	0.016524
0.023883	0.023244	0.022627	0.022033	0.021461	0.020909	0.020377	0.019863	0.019368	0.018891
0.027132	0.026435	0.025763	0.025114	0.024489	0.023885	0.023302	0.022740	0.022196	0.021672
0.030866	0.030110	0.029379	0.028674	0.027992	0.027333	0.026697	0.026082	0.025487	0.024913
0.035125	0.034307	0.033515	0.032750	0.032010	0.031294	0.030601	0.029931	0.029282	0.028654
0.039942	0.039059	0.038205	0.037377	0.036575	0.035799	0.035047	0.034318	0.033612	0.032928
0.045357	0.044408	0.043488	0.042596	0.041730	0.040890	0.040076	0.039285	0.038518	0.037774
0.051395	0.050378	0.049390	0.048430	0.047498	0.046592	0.045712	0.044856	0.044025	0.043216
0.058087	0.057001	0.055943	0.054914	0.053912	0.052937	0.051987	0.051063	0.050164	0.049288
0.065461	0.064303	0.063174	0.062073	0.061000	0.059953	0.058932	0.057937	0.056966	0.056019
0.073542	0.072312	0.071111	0.069938	0.068792	0.067672	0.066579	0.065510	0.064465	0.063445
0.082346	0.081045	0.079772	0.078526	0.077307	0.076114	0.074947	0.073804	0.072685	0.071590
0.091894	0.090524	0.089180	0.087863	0.086572	0.085307	0.084067	0.082851	0.081659	0.080491
0.102419	0.100982	0.099572	0.098188	0.096829	0.095496	0.094187	0.092901	0.091639	0.090400
0.114983	0.113498	0.112038	0.110602	0.109190	0.107802	0.106436	0.105092	0.103771	0.102472
0.130394	0.128894	0.127416	0.125958	0.124521	0.123103	0.121706	0.120328	0.118970	0.117630
0.147540	0.146053	0.144581	0.143127	0.141688	0.140266	0.138860	0.137470	0.136095	0.134735
0.164878	0.163409	0.161952	0.160508	0.159077	0.157658	0.156251	0.154857	0.153475	0.152104
0.181205	0.179741	0.178286	0.176841	0.175406	0.173980	0.172564	0.171158	0.169762	0.168375
0.196572	0.195098	0.193631	0.192172	0.190721	0.189278	0.187842	0.186415	0.184995	0.183583
0.211303	0.209809	0.208321	0.206840	0.205364	0.203896	0.202433	0.200977	0.199527	0.198083
0.225716	0.224201	0.222690	0.221184	0.219683	0.218186	0.216694	0.215207	0.213724	0.212247
0.240118	0.238588	0.237059	0.235533	0.234009	0.232488	0.230970	0.229454	0.227942	0.226432
0.254499	0.252960	0.251419	0.249879	0.248338	0.246796	0.245255	0.243714	0.242173	0.240633
0.269069	0.267533	0.265993	0.264448	0.262900	0.261348	0.259792	0.258232	0.256669	0.255103
0.283857	0.282339	0.280812	0.279276	0.277731	0.276177	0.274615	0.273045	0.271466	0.269881
0.298521	0.297014	0.295493	0.293959	0.292411	0.290850	0.289277	0.287692	0.286094	0.284485
0.318170	0.317074	0.315948	0.314793	0.313609	0.312397	0.311156	0.309888	0.308593	0.307270
0.335586	0.334880	0.334131	0.333340	0.332506	0.331630	0.330713	0.329754	0.328754	0.327714
0.352913	0.352619	0.352269	0.351864	0.351403	0.350887	0.350316	0.349690	0.349009	0.348275
0.365055	0.364829	0.364560	0.364248	0.363894	0.363497	0.363058	0.362576	0.362053	0.361487
0.376949	0.376792	0.376606	0.376390	0.376144	0.375869	0.375564	0.375231	0.374867	0.374475
0.388600	0.388513	0.388410	0.388291	0.388155	0.388004	0.387836	0.387652	0.387452	0.387236
0.400008	0.399992	0.399974	0.399953	0.399929	0.399902	0.399873	0.399842	0.399807	0.399771
0.411037	0.411035	0.411033	0.411030	0.411028	0.411026	0.411024	0.411022	0.411020	0.411018
0.421794	0.421792	0.421790	0.421788	0.421786	0.421783	0.421781	0.421779	0.421777	0.421775
0.432317	0.432314	0.432312	0.432310	0.432308	0.432306	0.432303	0.432301	0.432299	0.432297
0.442607	0.442605	0.442602	0.442600	0.442598	0.442596	0.442593	0.442591	0.442589	0.442587
0.452668	0.452666	0.452664	0.452661	0.452659	0.452657	0.452654	0.452652	0.452650	0.452647
0.462503	0.462500	0.462498	0.462496	0.462493	0.462491	0.462489	0.462486	0.462484	0.462482
0.472114	0.472111	0.472109	0.472107	0.472104	0.472102	0.472100	0.472097	0.472095	0.472092
0.481504	0.481502	0.481499	0.481497	0.481494	0.481492	0.481489	0.481487	0.481485	0.481482

0.490676	0.490674	0.490671	0.490669	0.490666	0.490664	0.490661	0.490659	0.490656	0.490654
0.499633	0.499631	0.499628	0.499626	0.499623	0.499621	0.499618	0.499616	0.499613	0.499611
0.508378	0.508376	0.508373	0.508370	0.508368	0.508365	0.508363	0.508360	0.508357	0.508355
0.516913	0.516911	0.516908	0.516906	0.516903	0.516900	0.516898	0.516895	0.516892	0.516890
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
0.003232	0.003138	0.003046	0.002956	0.002868	0.002782	0.002698	0.002616	0.002536	0.002458
0.000210	0.000202	0.000194	0.000187	0.000180	0.000173	0.000166	0.000160	0.000154	0.000148
0.000129	0.000124	0.000120	0.000116	0.000111	0.000107	0.000104	0.000100	0.000096	0.000093
0.000107	0.000104	0.000101	0.000097	0.000094	0.000091	0.000088	0.000085	0.000083	0.000080
0.000086	0.000084	0.000081	0.000078	0.000076	0.000073	0.000071	0.000069	0.000066	0.000064
0.000077	0.000075	0.000072	0.000070	0.000068	0.000066	0.000064	0.000062	0.000060	0.000058
0.000066	0.000064	0.000062	0.000060	0.000058	0.000056	0.000054	0.000052	0.000051	0.000049
0.000056	0.000054	0.000052	0.000050	0.000048	0.000047	0.000045	0.000044	0.000042	0.000041
0.000048	0.000046	0.000045	0.000043	0.000042	0.000040	0.000039	0.000037	0.000036	0.000035
0.000046	0.000044	0.000042	0.000041	0.000039	0.000038	0.000037	0.000035	0.000034	0.000033
0.000046	0.000044	0.000043	0.000041	0.000040	0.000038	0.000037	0.000036	0.000034	0.000033
0.000050	0.000048	0.000046	0.000045	0.000043	0.000042	0.000040	0.000039	0.000038	0.000037
0.000056	0.000054	0.000053	0.000051	0.000049	0.000048	0.000046	0.000045	0.000044	0.000042
0.000075	0.000073	0.000071	0.000069	0.000067	0.000065	0.000063	0.000062	0.000060	0.000059
0.000107	0.000104	0.000102	0.000100	0.000097	0.000095	0.000093	0.000091	0.000089	0.000087
0.000143	0.000140	0.000137	0.000134	0.000131	0.000128	0.000126	0.000123	0.000120	0.000118
0.000174	0.000170	0.000167	0.000163	0.000160	0.000156	0.000153	0.000150	0.000147	0.000144
0.000194	0.000190	0.000186	0.000182	0.000178	0.000174	0.000170	0.000167	0.000163	0.000160
0.000209	0.000204	0.000200	0.000195	0.000191	0.000187	0.000183	0.000179	0.000175	0.000171
0.000217	0.000213	0.000208	0.000204	0.000199	0.000195	0.000191	0.000187	0.000183	0.000179
0.000221	0.000216	0.000212	0.000207	0.000203	0.000199	0.000194	0.000190	0.000186	0.000182
0.000222	0.000217	0.000213	0.000208	0.000204	0.000199	0.000195	0.000191	0.000187	0.000183
0.000223	0.000218	0.000213	0.000209	0.000204	0.000200	0.000196	0.000192	0.000188	0.000184
0.000225	0.000220	0.000216	0.000211	0.000207	0.000203	0.000198	0.000194	0.000190	0.000186
0.000231	0.000226	0.000221	0.000217	0.000212	0.000208	0.000204	0.000200	0.000196	0.000192
0.000240	0.000235	0.000231	0.000226	0.000222	0.000218	0.000213	0.000209	0.000205	0.000201
0.000255	0.000250	0.000245	0.000241	0.000236	0.000232	0.000227	0.000223	0.000219	0.000215
0.000277	0.000272	0.000268	0.000263	0.000259	0.000254	0.000250	0.000245	0.000241	0.000237
0.000300	0.000296	0.000291	0.000287	0.000282	0.000278	0.000273	0.000268	0.000264	0.000259
0.000319	0.000314	0.000310	0.000305	0.000300	0.000296	0.000291	0.000286	0.000281	0.000277
0.000336	0.000332	0.000327	0.000322	0.000317	0.000313	0.000308	0.000303	0.000298	0.000293
0.000352	0.000347	0.000342	0.000337	0.000332	0.000327	0.000321	0.000316	0.000311	0.000305
0.000372	0.000367	0.000362	0.000356	0.000351	0.000345	0.000340	0.000334	0.000328	0.000322
0.000395	0.000389	0.000383	0.000377	0.000372	0.000366	0.000359	0.000353	0.000347	0.000341
0.000421	0.000415	0.000408	0.000402	0.000396	0.000389	0.000383	0.000376	0.000369	0.000363
0.000451	0.000444	0.000437	0.000430	0.000423	0.000416	0.000409	0.000402	0.000395	0.000387
0.000485	0.000477	0.000470	0.000462	0.000454	0.000446	0.000439	0.000431	0.000423	0.000415
0.000521	0.000513	0.000504	0.000495	0.000486	0.000478	0.000469	0.000460	0.000452	0.000443
0.000562	0.000552	0.000543	0.000533	0.000523	0.000514	0.000504	0.000494	0.000485	0.000475
0.000608	0.000597	0.000586	0.000576	0.000565	0.000554	0.000544	0.000533	0.000523	0.000512
0.000659	0.000647	0.000635	0.000623	0.000611	0.000600	0.000588	0.000576	0.000565	0.000553
0.000714	0.000700	0.000687	0.000674	0.000661	0.000648	0.000635	0.000622	0.000609	0.000597
0.000774	0.000759	0.000744	0.000730	0.000715	0.000701	0.000686	0.000672	0.000659	0.000645
0.000838	0.000821	0.000805	0.000788	0.000772	0.000756	0.000741	0.000725	0.000710	0.000695
0.000906	0.000887	0.000869	0.000851	0.000833	0.000815	0.000798	0.000781	0.000764	0.000748
0.000981	0.000960	0.000939	0.000919	0.000900	0.000880	0.000861	0.000842	0.000824	0.000805
0.001062	0.001039	0.001016	0.000994	0.000972	0.000951	0.000930	0.000909	0.000889	0.000869
0.001146	0.001120	0.001095	0.001071	0.001047	0.001023	0.001000	0.000977	0.000955	0.000933
0.001237	0.001209	0.001182	0.001155	0.001128	0.001102	0.001077	0.001052	0.001028	0.001004
0.001332	0.001301	0.001271	0.001241	0.001212	0.001184	0.001156	0.001129	0.001103	0.001076
0.001434	0.001400	0.001367	0.001335	0.001304	0.001273	0.001243	0.001213	0.001184	0.001156
0.001542	0.001505	0.001470	0.001434	0.001400	0.001366	0.001334	0.001302	0.001270	0.001240
0.001657	0.001617	0.001577	0.001539	0.001502	0.001466	0.001430	0.001395	0.001361	0.001328

0.001774	0.001730	0.001687	0.001646	0.001605	0.001566	0.001527	0.001490	0.001453	0.001417
0.001898	0.001850	0.001804	0.001759	0.001715	0.001672	0.001630	0.001590	0.001550	0.001512
0.002041	0.001989	0.001939	0.001890	0.001842	0.001796	0.001751	0.001707	0.001664	0.001622
0.002210	0.002154	0.002099	0.002045	0.001994	0.001943	0.001894	0.001846	0.001800	0.001755
0.002424	0.002363	0.002303	0.002245	0.002189	0.002134	0.002080	0.002028	0.001978	0.001929
0.002687	0.002620	0.002555	0.002492	0.002430	0.002370	0.002312	0.002255	0.002200	0.002146
0.002992	0.002919	0.002848	0.002778	0.002711	0.002645	0.002581	0.002519	0.002459	0.002400
0.003323	0.003243	0.003165	0.003089	0.003016	0.002944	0.002874	0.002806	0.002740	0.002675
0.003664	0.003576	0.003491	0.003408	0.003327	0.003248	0.003172	0.003097	0.003024	0.002954
0.004006	0.003910	0.003817	0.003726	0.003637	0.003551	0.003467	0.003386	0.003306	0.003229
0.004361	0.004255	0.004153	0.004053	0.003956	0.003862	0.003770	0.003680	0.003593	0.003508
0.004741	0.004625	0.004513	0.004403	0.004297	0.004193	0.004092	0.003994	0.003898	0.003805
0.005163	0.005036	0.004912	0.004792	0.004675	0.004561	0.004450	0.004342	0.004237	0.004135
0.005642	0.005502	0.005365	0.005233	0.005104	0.004978	0.004856	0.004737	0.004622	0.004509
0.006191	0.006036	0.005885	0.005739	0.005597	0.005458	0.005323	0.005192	0.005065	0.004941
0.006829	0.006658	0.006491	0.006330	0.006172	0.006019	0.005869	0.005724	0.005583	0.005446
0.007569	0.007380	0.007196	0.007016	0.006842	0.006672	0.006507	0.006346	0.006189	0.006037
0.008425	0.008215	0.008011	0.007813	0.007619	0.007431	0.007248	0.007069	0.006895	0.006726
0.009413	0.009182	0.008956	0.008736	0.008522	0.008313	0.008110	0.007912	0.007718	0.007530
0.010541	0.010285	0.010035	0.009791	0.009554	0.009322	0.009096	0.008876	0.008661	0.008452
0.011820	0.011536	0.011259	0.010989	0.010725	0.010468	0.010217	0.009973	0.009734	0.009501
0.013298	0.012982	0.012675	0.012375	0.012082	0.011797	0.011518	0.011246	0.010980	0.010721
0.015024	0.014674	0.014332	0.013998	0.013672	0.013354	0.013044	0.012740	0.012445	0.012156
0.017048	0.016658	0.016277	0.015905	0.015541	0.015186	0.014840	0.014501	0.014170	0.013847
0.019420	0.018984	0.018559	0.018144	0.017738	0.017341	0.016953	0.016574	0.016204	0.015842
0.022193	0.021707	0.021233	0.020768	0.020314	0.019871	0.019437	0.019012	0.018597	0.018191
0.025414	0.024872	0.024343	0.023825	0.023318	0.022821	0.022336	0.021860	0.021395	0.020940
0.029133	0.028530	0.027940	0.027363	0.026797	0.026243	0.025700	0.025168	0.024648	0.024138
0.033411	0.032743	0.032087	0.031445	0.030815	0.030198	0.029593	0.029001	0.028420	0.027850
0.038356	0.037616	0.036890	0.036179	0.035480	0.034795	0.034123	0.033465	0.032818	0.032184
0.044088	0.043273	0.042472	0.041687	0.040916	0.040159	0.039416	0.038686	0.037970	0.037268
0.050736	0.049843	0.048966	0.048105	0.047258	0.046426	0.045608	0.044805	0.044016	0.043240
0.058426	0.057457	0.056503	0.055564	0.054641	0.053732	0.052838	0.051959	0.051093	0.050242
0.067280	0.066236	0.065207	0.064193	0.063194	0.062209	0.061239	0.060283	0.059341	0.058413
0.077422	0.076310	0.075211	0.074127	0.073057	0.072001	0.070958	0.069929	0.068913	0.067910
0.088967	0.087796	0.086638	0.085492	0.084359	0.083238	0.082129	0.081032	0.079948	0.078875
0.102020	0.100805	0.099601	0.098407	0.097223	0.096049	0.094885	0.093731	0.092588	0.091454
0.116674	0.115434	0.114202	0.112977	0.111759	0.110549	0.109345	0.108150	0.106962	0.105781
0.133021	0.131782	0.130545	0.129313	0.128084	0.126858	0.125637	0.124420	0.123207	0.121998
0.150456	0.149233	0.148010	0.146787	0.145564	0.144342	0.143119	0.141898	0.140677	0.139457
0.166604	0.165375	0.164145	0.162912	0.161678	0.160443	0.159207	0.157970	0.156732	0.155494
0.181848	0.180592	0.179334	0.178074	0.176814	0.175551	0.174288	0.173024	0.171759	0.170493
0.197328	0.196044	0.194758	0.193472	0.192184	0.190895	0.189606	0.188316	0.187026	0.185735
0.214114	0.212821	0.211526	0.210230	0.208933	0.207635	0.206337	0.205038	0.203738	0.202438
0.230742	0.229432	0.228122	0.226811	0.225499	0.224188	0.222876	0.221563	0.220251	0.218939
0.247270	0.245937	0.244605	0.243274	0.241943	0.240613	0.239284	0.237956	0.236628	0.235302
0.263723	0.262362	0.261004	0.259648	0.258294	0.256942	0.255592	0.254245	0.252900	0.251557
0.280108	0.278715	0.277326	0.275941	0.274560	0.273183	0.271810	0.270440	0.269074	0.267713
0.303185	0.302282	0.301365	0.300436	0.299493	0.298539	0.297571	0.296591	0.295599	0.294595
0.323485	0.323050	0.322587	0.322097	0.321581	0.321037	0.320467	0.319871	0.319248	0.318600
0.337709	0.337346	0.336972	0.336588	0.336192	0.335786	0.335370	0.334942	0.334504	0.334055
0.351612	0.351324	0.351042	0.350766	0.350496	0.350231	0.349972	0.349718	0.349470	0.349228
0.364986	0.364687	0.364394	0.364107	0.363827	0.363552	0.363283	0.363019	0.362762	0.362511
0.378044	0.377734	0.377431	0.377134	0.376843	0.376558	0.376280	0.376007	0.375741	0.375481
0.390791	0.390471	0.390158	0.389851	0.389550	0.389255	0.388967	0.388686	0.388410	0.388141
0.403231	0.402901	0.402578	0.402261	0.401951	0.401647	0.401350	0.401059	0.400775	0.400497
0.415369	0.415029	0.414696	0.414369	0.414050	0.413737	0.413431	0.413131	0.412839	0.412553
0.427208	0.426858	0.426516	0.426180	0.425851	0.425529	0.425215	0.424907	0.424606	0.424311
0.438752	0.438393	0.438041	0.437697	0.437359	0.437029	0.436705	0.436389	0.436080	0.435778
0.450006	0.449638	0.449277	0.448924	0.448577	0.448238	0.447907	0.447582	0.447265	0.446955
0.460974	0.460597	0.460227	0.459865	0.459510	0.459163	0.458823	0.458491	0.458166	0.457848

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0.002688	0.002599	0.002513	0.002429	0.002347	0.002268	0.002192	0.002117	0.002046	0.001976
0.000191	0.000184	0.000177	0.000171	0.000164	0.000158	0.000152	0.000146	0.000141	0.000135
0.000107	0.000103	0.000100	0.000096	0.000093	0.000089	0.000086	0.000083	0.000080	0.000078
0.000077	0.000074	0.000071	0.000068	0.000066	0.000063	0.000061	0.000059	0.000057	0.000054
0.000060	0.000057	0.000055	0.000053	0.000051	0.000049	0.000048	0.000046	0.000044	0.000043
0.000051	0.000049	0.000047	0.000046	0.000044	0.000042	0.000041	0.000039	0.000038	0.000037
0.000046	0.000044	0.000042	0.000041	0.000039	0.000038	0.000037	0.000035	0.000034	0.000033
0.000041	0.000039	0.000038	0.000036	0.000035	0.000034	0.000033	0.000031	0.000030	0.000029
0.000039	0.000038	0.000036	0.000035	0.000034	0.000033	0.000031	0.000030	0.000029	0.000028
0.000040	0.000038	0.000037	0.000035	0.000034	0.000033	0.000032	0.000031	0.000029	0.000028
0.000041	0.000039	0.000038	0.000037	0.000035	0.000034	0.000033	0.000032	0.000031	0.000030
0.000047	0.000046	0.000044	0.000043	0.000041	0.000040	0.000039	0.000037	0.000036	0.000035
0.000054	0.000052	0.000050	0.000048	0.000047	0.000045	0.000044	0.000042	0.000041	0.000040
0.000062	0.000060	0.000058	0.000056	0.000054	0.000052	0.000051	0.000049	0.000047	0.000046
0.000077	0.000074	0.000072	0.000069	0.000067	0.000065	0.000063	0.000061	0.000059	0.000057
0.000108	0.000105	0.000101	0.000098	0.000095	0.000092	0.000089	0.000087	0.000084	0.000081
0.000168	0.000163	0.000158	0.000154	0.000150	0.000145	0.000141	0.000138	0.000134	0.000130
0.000249	0.000242	0.000235	0.000229	0.000223	0.000217	0.000212	0.000206	0.000201	0.000196
0.000309	0.000300	0.000292	0.000285	0.000278	0.000271	0.000264	0.000258	0.000252	0.000245
0.000360	0.000350	0.000341	0.000333	0.000324	0.000316	0.000309	0.000301	0.000294	0.000287
0.000401	0.000391	0.000381	0.000372	0.000363	0.000354	0.000346	0.000338	0.000330	0.000323
0.000443	0.000433	0.000423	0.000414	0.000405	0.000396	0.000387	0.000379	0.000371	0.000363
0.000467	0.000457	0.000447	0.000438	0.000429	0.000421	0.000412	0.000404	0.000396	0.000389
0.000483	0.000473	0.000464	0.000455	0.000447	0.000438	0.000430	0.000423	0.000415	0.000408
0.000501	0.000492	0.000484	0.000476	0.000468	0.000460	0.000453	0.000446	0.000439	0.000432
0.000527	0.000518	0.000510	0.000502	0.000494	0.000487	0.000480	0.000473	0.000466	0.000459
0.000565	0.000556	0.000548	0.000539	0.000532	0.000524	0.000517	0.000510	0.000503	0.000496
0.000615	0.000606	0.000598	0.000590	0.000582	0.000574	0.000566	0.000559	0.000552	0.000545
0.000673	0.000665	0.000656	0.000648	0.000640	0.000632	0.000625	0.000617	0.000610	0.000603
0.000733	0.000725	0.000717	0.000709	0.000701	0.000693	0.000685	0.000678	0.000670	0.000663
0.000793	0.000785	0.000777	0.000768	0.000760	0.000752	0.000744	0.000737	0.000729	0.000721
0.000837	0.000828	0.000819	0.000811	0.000802	0.000794	0.000785	0.000777	0.000768	0.000760
0.000877	0.000868	0.000859	0.000850	0.000840	0.000831	0.000822	0.000813	0.000804	0.000795
0.000905	0.000895	0.000885	0.000875	0.000865	0.000854	0.000844	0.000834	0.000824	0.000814
0.000920	0.000909	0.000898	0.000887	0.000876	0.000865	0.000854	0.000843	0.000832	0.000821
0.000926	0.000914	0.000902	0.000890	0.000878	0.000866	0.000853	0.000841	0.000829	0.000817
0.000925	0.000912	0.000899	0.000886	0.000873	0.000859	0.000846	0.000833	0.000820	0.000807
0.000928	0.000914	0.000900	0.000885	0.000871	0.000857	0.000843	0.000828	0.000815	0.000801
0.000936	0.000921	0.000905	0.000890	0.000874	0.000859	0.000844	0.000829	0.000814	0.000799
0.000957	0.000940	0.000924	0.000907	0.000890	0.000874	0.000857	0.000841	0.000826	0.000810
0.000986	0.000967	0.000949	0.000931	0.000913	0.000896	0.000879	0.000862	0.000845	0.000828
0.001024	0.001004	0.000985	0.000965	0.000946	0.000928	0.000909	0.000891	0.000873	0.000856
0.001069	0.001048	0.001026	0.001005	0.000985	0.000965	0.000945	0.000925	0.000906	0.000888
0.001127	0.001103	0.001080	0.001057	0.001035	0.001013	0.000992	0.000971	0.000951	0.000930
0.001188	0.001162	0.001137	0.001113	0.001089	0.001065	0.001042	0.001020	0.000998	0.000976
0.001256	0.001228	0.001201	0.001174	0.001148	0.001123	0.001098	0.001074	0.001050	0.001027
0.001331	0.001301	0.001271	0.001242	0.001213	0.001186	0.001159	0.001133	0.001107	0.001082
0.001414	0.001380	0.001348	0.001316	0.001285	0.001255	0.001226	0.001198	0.001170	0.001143
0.001497	0.001461	0.001425	0.001391	0.001357	0.001325	0.001293	0.001263	0.001233	0.001204
0.001585	0.001545	0.001506	0.001469	0.001433	0.001398	0.001363	0.001330	0.001298	0.001266
0.001676	0.001632	0.001590	0.001549	0.001510	0.001472	0.001435	0.001399	0.001364	0.001330
0.001774	0.001726	0.001681	0.001637	0.001594	0.001553	0.001513	0.001474	0.001436	0.001400
0.001878	0.001827	0.001777	0.001729	0.001683	0.001639	0.001595	0.001554	0.001513	0.001473
0.002000	0.001944	0.001890	0.001838	0.001788	0.001739	0.001693	0.001647	0.001603	0.001560
0.002141	0.002080	0.002022	0.001965	0.001911	0.001858	0.001807	0.001758	0.001710	0.001664

0.002307	0.002240	0.002176	0.002114	0.002055	0.001998	0.001942	0.001888	0.001836	0.001786
0.002503	0.002430	0.002360	0.002293	0.002227	0.002165	0.002104	0.002045	0.001988	0.001933
0.002732	0.002652	0.002575	0.002501	0.002430	0.002361	0.002294	0.002230	0.002167	0.002107
0.002998	0.002910	0.002825	0.002744	0.002665	0.002589	0.002516	0.002445	0.002376	0.002309
0.003305	0.003208	0.003114	0.003024	0.002937	0.002854	0.002773	0.002695	0.002619	0.002545
0.003656	0.003548	0.003445	0.003346	0.003250	0.003157	0.003068	0.002981	0.002897	0.002816
0.004053	0.003935	0.003821	0.003711	0.003605	0.003502	0.003403	0.003308	0.003215	0.003124
0.004500	0.004369	0.004243	0.004121	0.004004	0.003891	0.003781	0.003675	0.003572	0.003472
0.005003	0.004858	0.004719	0.004584	0.004455	0.004329	0.004208	0.004091	0.003977	0.003867
0.005564	0.005404	0.005250	0.005102	0.004959	0.004820	0.004687	0.004557	0.004431	0.004309
0.006188	0.006012	0.005843	0.005679	0.005521	0.005369	0.005221	0.005078	0.004939	0.004804
0.006878	0.006685	0.006498	0.006318	0.006144	0.005976	0.005814	0.005656	0.005503	0.005354
0.007617	0.007405	0.007200	0.007002	0.006812	0.006628	0.006449	0.006276	0.006108	0.005945
0.008331	0.008100	0.007876	0.007661	0.007453	0.007253	0.007059	0.006870	0.006688	0.006510
0.009099	0.008846	0.008603	0.008369	0.008143	0.007925	0.007714	0.007509	0.007310	0.007117
0.010020	0.009744	0.009479	0.009223	0.008976	0.008738	0.008507	0.008284	0.008066	0.007855
0.011143	0.010841	0.010550	0.010269	0.009998	0.009737	0.009484	0.009239	0.009000	0.008769
0.012506	0.012173	0.011853	0.011544	0.011246	0.010958	0.010680	0.010410	0.010147	0.009891
0.014144	0.013778	0.013425	0.013085	0.012756	0.012439	0.012131	0.011833	0.011542	0.011259
0.016105	0.015702	0.015312	0.014937	0.014574	0.014223	0.013883	0.013552	0.013231	0.012917
0.018430	0.017986	0.017556	0.017142	0.016741	0.016353	0.015977	0.015611	0.015254	0.014907
0.021165	0.020676	0.020204	0.019747	0.019304	0.018876	0.018460	0.018055	0.017660	0.017274
0.024357	0.023820	0.023300	0.022798	0.022310	0.021838	0.021379	0.020931	0.020494	0.020067
0.028046	0.027458	0.026889	0.026337	0.025802	0.025282	0.024777	0.024283	0.023801	0.023330
0.032265	0.031622	0.030999	0.030395	0.029808	0.029237	0.028681	0.028139	0.027608	0.027088
0.037051	0.036350	0.035669	0.035008	0.034365	0.033739	0.033129	0.032532	0.031948	0.031375
0.042431	0.041667	0.040924	0.040202	0.039498	0.038812	0.038143	0.037488	0.036845	0.036214
0.048434	0.047604	0.046795	0.046006	0.045237	0.044487	0.043753	0.043034	0.042328	0.041635
0.055095	0.054194	0.053314	0.052456	0.051617	0.050797	0.049994	0.049207	0.048433	0.047673
0.062447	0.061472	0.060519	0.059588	0.058676	0.057783	0.056908	0.056048	0.055203	0.054372
0.070518	0.069469	0.068441	0.067435	0.066448	0.065481	0.064532	0.063599	0.062680	0.061776
0.079345	0.078222	0.077120	0.076040	0.074979	0.073938	0.072915	0.071908	0.070917	0.069940
0.089184	0.087990	0.086817	0.085665	0.084533	0.083420	0.082325	0.081246	0.080183	0.079135
0.101193	0.099936	0.098699	0.097482	0.096284	0.095105	0.093942	0.092796	0.091665	0.090548
0.116309	0.115006	0.113721	0.112454	0.111204	0.109970	0.108752	0.107549	0.106360	0.105184
0.133391	0.132062	0.130747	0.129447	0.128161	0.126890	0.125631	0.124386	0.123154	0.121934
0.150746	0.149399	0.148065	0.146741	0.145430	0.144130	0.142841	0.141564	0.140298	0.139043
0.166998	0.165630	0.164272	0.162923	0.161583	0.160254	0.158934	0.157624	0.156325	0.155036
0.182179	0.180782	0.179394	0.178013	0.176641	0.175276	0.173921	0.172575	0.171239	0.169912
0.196646	0.195215	0.193791	0.192373	0.190963	0.189559	0.188164	0.186777	0.185400	0.184032
0.210774	0.209306	0.207843	0.206385	0.204933	0.203488	0.202049	0.200619	0.199197	0.197785
0.224924	0.223420	0.221919	0.220422	0.218929	0.217440	0.215958	0.214483	0.213017	0.211559
0.239093	0.237553	0.236014	0.234476	0.232941	0.231409	0.229881	0.228359	0.226846	0.225342
0.253535	0.251963	0.250389	0.248812	0.247236	0.245660	0.244087	0.242519	0.240958	0.239405
0.268287	0.266686	0.265079	0.263465	0.261848	0.260228	0.258607	0.256991	0.255381	0.253778
0.282865	0.281233	0.279590	0.277938	0.276279	0.274614	0.272947	0.271283	0.269624	0.267972
0.305921	0.304546	0.303145	0.301719	0.300275	0.298812	0.297337	0.295857	0.294378	0.292900
0.326633	0.325513	0.324353	0.323156	0.321928	0.320671	0.319393	0.318103	0.316809	0.315512
0.347486	0.346645	0.345750	0.344804	0.343817	0.342788	0.341730	0.340652	0.339567	0.338475
0.360880	0.360231	0.359542	0.358812	0.358050	0.357255	0.356436	0.355603	0.354762	0.353916
0.374053	0.373603	0.373123	0.372616	0.372085	0.371532	0.370962	0.370380	0.369794	0.369203
0.387004	0.386756	0.386491	0.386212	0.385919	0.385614	0.385299	0.384978	0.384653	0.384326
0.399731	0.399689	0.399644	0.399596	0.399547	0.399495	0.399442	0.399388	0.399333	0.399277
0.411016	0.411014	0.411012	0.411010	0.411007	0.411005	0.411003	0.411001	0.410999	0.410997
0.421773	0.421771	0.421768	0.421766	0.421764	0.421762	0.421760	0.421758	0.421756	0.421753
0.432295	0.432292	0.432290	0.432288	0.432286	0.432284	0.432281	0.432279	0.432277	0.432275
0.442584	0.442582	0.442580	0.442578	0.442576	0.442573	0.442571	0.442569	0.442567	0.442564
0.452645	0.452643	0.452641	0.452638	0.452636	0.452634	0.452631	0.452629	0.452627	0.452624
0.462479	0.462477	0.462475	0.462472	0.462470	0.462468	0.462465	0.462463	0.462461	0.462458
0.472090	0.472088	0.472085	0.472083	0.472080	0.472078	0.472076	0.472073	0.472071	0.472068
0.481480	0.481477	0.481475	0.481472	0.481470	0.481467	0.481465	0.481463	0.481460	0.481458

0.490651	0.490649	0.490646	0.490644	0.490641	0.490639	0.490636	0.490634	0.490631	0.490629
0.499608	0.499605	0.499603	0.499600	0.499598	0.499595	0.499593	0.499590	0.499588	0.499585
0.508352	0.508350	0.508347	0.508345	0.508342	0.508339	0.508337	0.508334	0.508332	0.508329
0.516887	0.516885	0.516882	0.516879	0.516877	0.516874	0.516871	0.516869	0.516866	0.516864
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0.002382	0.002308	0.002236	0.002165	0.002096	0.002030	0.001965	0.001902	0.001841	0.001781
0.000142	0.000136	0.000131	0.000126	0.000121	0.000116	0.000112	0.000108	0.000103	0.000099
0.000090	0.000087	0.000083	0.000081	0.000078	0.000075	0.000072	0.000070	0.000067	0.000065
0.000077	0.000075	0.000072	0.000070	0.000068	0.000065	0.000063	0.000061	0.000059	0.000057
0.000062	0.000060	0.000058	0.000056	0.000054	0.000052	0.000050	0.000048	0.000047	0.000045
0.000056	0.000054	0.000052	0.000051	0.000049	0.000047	0.000046	0.000044	0.000043	0.000041
0.000048	0.000046	0.000044	0.000043	0.000042	0.000040	0.000039	0.000038	0.000036	0.000035
0.000039	0.000038	0.000037	0.000036	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029
0.000034	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025	0.000025
0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025	0.000024	0.000023
0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025	0.000025	0.000024
0.000036	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029	0.000029	0.000028	0.000027
0.000041	0.000040	0.000039	0.000038	0.000037	0.000036	0.000035	0.000034	0.000033	0.000032
0.000057	0.000056	0.000054	0.000053	0.000052	0.000050	0.000049	0.000048	0.000047	0.000046
0.000085	0.000083	0.000081	0.000080	0.000078	0.000076	0.000074	0.000073	0.000071	0.000070
0.000116	0.000113	0.000111	0.000109	0.000106	0.000104	0.000102	0.000100	0.000098	0.000096
0.000141	0.000139	0.000136	0.000133	0.000131	0.000128	0.000126	0.000123	0.000121	0.000118
0.000156	0.000153	0.000150	0.000147	0.000144	0.000141	0.000139	0.000136	0.000133	0.000131
0.000168	0.000164	0.000161	0.000157	0.000154	0.000151	0.000148	0.000145	0.000142	0.000139
0.000175	0.000172	0.000168	0.000165	0.000161	0.000158	0.000155	0.000152	0.000149	0.000146
0.000179	0.000175	0.000171	0.000168	0.000164	0.000161	0.000158	0.000155	0.000151	0.000148
0.000179	0.000176	0.000172	0.000169	0.000165	0.000162	0.000159	0.000155	0.000152	0.000149
0.000180	0.000176	0.000173	0.000169	0.000166	0.000162	0.000159	0.000156	0.000153	0.000150
0.000183	0.000179	0.000175	0.000172	0.000168	0.000165	0.000162	0.000158	0.000155	0.000152
0.000188	0.000184	0.000181	0.000177	0.000174	0.000170	0.000167	0.000164	0.000160	0.000157
0.000197	0.000193	0.000190	0.000186	0.000182	0.000179	0.000175	0.000172	0.000169	0.000166
0.000211	0.000207	0.000203	0.000199	0.000195	0.000192	0.000188	0.000185	0.000181	0.000178
0.000233	0.000228	0.000224	0.000220	0.000216	0.000212	0.000208	0.000205	0.000201	0.000197
0.000255	0.000250	0.000246	0.000242	0.000237	0.000233	0.000228	0.000224	0.000220	0.000216
0.000272	0.000267	0.000263	0.000258	0.000253	0.000248	0.000244	0.000239	0.000235	0.000230
0.000288	0.000283	0.000277	0.000272	0.000267	0.000262	0.000257	0.000252	0.000247	0.000242
0.000300	0.000294	0.000289	0.000283	0.000278	0.000273	0.000267	0.000262	0.000257	0.000252
0.000317	0.000311	0.000305	0.000299	0.000294	0.000288	0.000282	0.000276	0.000271	0.000265
0.000335	0.000329	0.000322	0.000316	0.000310	0.000304	0.000297	0.000291	0.000285	0.000279
0.000356	0.000349	0.000343	0.000336	0.000329	0.000323	0.000316	0.000309	0.000303	0.000297
0.000380	0.000373	0.000365	0.000358	0.000351	0.000344	0.000337	0.000330	0.000323	0.000316
0.000407	0.000399	0.000391	0.000383	0.000375	0.000367	0.000360	0.000352	0.000344	0.000337
0.000434	0.000425	0.000417	0.000408	0.000399	0.000391	0.000382	0.000374	0.000366	0.000358
0.000466	0.000456	0.000447	0.000437	0.000428	0.000419	0.000410	0.000401	0.000392	0.000383
0.000502	0.000491	0.000481	0.000471	0.000461	0.000451	0.000441	0.000432	0.000422	0.000413
0.000542	0.000531	0.000520	0.000508	0.000498	0.000487	0.000476	0.000466	0.000455	0.000445
0.000584	0.000572	0.000560	0.000548	0.000536	0.000524	0.000513	0.000502	0.000490	0.000480
0.000631	0.000618	0.000605	0.000592	0.000579	0.000566	0.000554	0.000541	0.000529	0.000518
0.000680	0.000665	0.000651	0.000636	0.000622	0.000609	0.000595	0.000582	0.000569	0.000556
0.000731	0.000715	0.000699	0.000684	0.000669	0.000654	0.000639	0.000624	0.000610	0.000596
0.000787	0.000770	0.000752	0.000735	0.000719	0.000702	0.000686	0.000670	0.000655	0.000640
0.000849	0.000830	0.000811	0.000792	0.000774	0.000756	0.000738	0.000721	0.000704	0.000688
0.000911	0.000890	0.000870	0.000849	0.000829	0.000810	0.000791	0.000772	0.000754	0.000736
0.000980	0.000957	0.000934	0.000912	0.000891	0.000869	0.000849	0.000828	0.000808	0.000789
0.001051	0.001026	0.001001	0.000977	0.000954	0.000931	0.000909	0.000887	0.000865	0.000845
0.001128	0.001101	0.001075	0.001049	0.001023	0.000999	0.000975	0.000951	0.000928	0.000905
0.001210	0.001180	0.001152	0.001124	0.001096	0.001070	0.001044	0.001018	0.000993	0.000969
0.001296	0.001264	0.001234	0.001204	0.001174	0.001146	0.001118	0.001090	0.001064	0.001038

0.001382	0.001348	0.001315	0.001283	0.001251	0.001221	0.001191	0.001161	0.001133	0.001105
0.001474	0.001437	0.001402	0.001367	0.001333	0.001300	0.001268	0.001237	0.001206	0.001176
0.001582	0.001542	0.001504	0.001467	0.001430	0.001395	0.001360	0.001327	0.001294	0.001262
0.001711	0.001668	0.001627	0.001587	0.001547	0.001509	0.001472	0.001435	0.001400	0.001366
0.001881	0.001835	0.001790	0.001746	0.001703	0.001661	0.001621	0.001581	0.001543	0.001505
0.002094	0.002043	0.001994	0.001945	0.001899	0.001853	0.001809	0.001765	0.001723	0.001682
0.002343	0.002287	0.002233	0.002180	0.002128	0.002078	0.002030	0.001982	0.001935	0.001890
0.002612	0.002551	0.002491	0.002433	0.002377	0.002322	0.002268	0.002215	0.002164	0.002114
0.002885	0.002818	0.002752	0.002689	0.002627	0.002566	0.002507	0.002450	0.002393	0.002338
0.003153	0.003080	0.003008	0.002938	0.002870	0.002804	0.002739	0.002676	0.002615	0.002555
0.003426	0.003345	0.003267	0.003190	0.003116	0.003044	0.002973	0.002904	0.002837	0.002771
0.003715	0.003627	0.003541	0.003457	0.003376	0.003297	0.003220	0.003144	0.003071	0.002999
0.004036	0.003939	0.003845	0.003753	0.003664	0.003577	0.003492	0.003409	0.003329	0.003250
0.004400	0.004293	0.004190	0.004089	0.003991	0.003895	0.003802	0.003711	0.003623	0.003536
0.004820	0.004702	0.004588	0.004477	0.004369	0.004263	0.004160	0.004060	0.003963	0.003867
0.005312	0.005182	0.005055	0.004932	0.004812	0.004695	0.004581	0.004470	0.004361	0.004256
0.005888	0.005744	0.005603	0.005466	0.005332	0.005202	0.005076	0.004952	0.004832	0.004714
0.006561	0.006400	0.006243	0.006091	0.005942	0.005797	0.005656	0.005518	0.005384	0.005253
0.007346	0.007167	0.006993	0.006823	0.006657	0.006495	0.006338	0.006184	0.006034	0.005888
0.008248	0.008048	0.007854	0.007665	0.007480	0.007300	0.007124	0.006952	0.006785	0.006622
0.009274	0.009052	0.008836	0.008625	0.008420	0.008219	0.008023	0.007832	0.007645	0.007463
0.010468	0.010221	0.009981	0.009746	0.009516	0.009292	0.009074	0.008860	0.008652	0.008449
0.011874	0.011598	0.011330	0.011067	0.010811	0.010561	0.010317	0.010078	0.009845	0.009617
0.013532	0.013224	0.012923	0.012629	0.012342	0.012061	0.011787	0.011520	0.011258	0.011002
0.015488	0.015143	0.014805	0.014475	0.014152	0.013837	0.013529	0.013228	0.012933	0.012645
0.017794	0.017406	0.017026	0.016655	0.016292	0.015937	0.015590	0.015250	0.014918	0.014593
0.020495	0.020059	0.019632	0.019215	0.018806	0.018406	0.018015	0.017632	0.017257	0.016890
0.023639	0.023150	0.022671	0.022202	0.021742	0.021292	0.020852	0.020420	0.019998	0.019584
0.027292	0.026745	0.026209	0.025684	0.025169	0.024664	0.024170	0.023685	0.023210	0.022745
0.031562	0.030953	0.030354	0.029768	0.029192	0.028628	0.028074	0.027531	0.026999	0.026477
0.036578	0.035900	0.035235	0.034583	0.033942	0.033313	0.032696	0.032090	0.031495	0.030912
0.042478	0.041729	0.040993	0.040269	0.039559	0.038861	0.038175	0.037501	0.036839	0.036188
0.049405	0.048581	0.047770	0.046972	0.046188	0.045416	0.044657	0.043910	0.043176	0.042454
0.057499	0.056598	0.055711	0.054836	0.053975	0.053126	0.052291	0.051468	0.050658	0.049861
0.066921	0.065944	0.064980	0.064029	0.063090	0.062164	0.061251	0.060351	0.059464	0.058589
0.077814	0.076765	0.075728	0.074702	0.073689	0.072687	0.071698	0.070720	0.069756	0.068805
0.090331	0.089217	0.088114	0.087021	0.085938	0.084866	0.083805	0.082756	0.081719	0.080694
0.104608	0.103442	0.102284	0.101134	0.099993	0.098860	0.097737	0.096625	0.095524	0.094435
0.120794	0.119594	0.118399	0.117208	0.116024	0.114846	0.113676	0.112515	0.111364	0.110224
0.138238	0.137021	0.135805	0.134590	0.133379	0.132172	0.130970	0.129776	0.128590	0.127414
0.154255	0.153016	0.151777	0.150538	0.149302	0.148067	0.146837	0.145613	0.144398	0.143191
0.169227	0.167960	0.166694	0.165427	0.164162	0.162900	0.161641	0.160388	0.159143	0.157906
0.184444	0.183154	0.181863	0.180572	0.179284	0.177998	0.176715	0.175439	0.174170	0.172908
0.201137	0.199836	0.198536	0.197235	0.195936	0.194639	0.193346	0.192058	0.190776	0.189502
0.217627	0.216315	0.215003	0.213693	0.212383	0.211076	0.209773	0.208474	0.207182	0.205897
0.233976	0.232652	0.231329	0.230007	0.228688	0.227371	0.226058	0.224750	0.223449	0.222154
0.250216	0.248878	0.247542	0.246209	0.244879	0.243552	0.242230	0.240914	0.239603	0.238299
0.266355	0.265001	0.263651	0.262306	0.260964	0.259628	0.258296	0.256970	0.255650	0.254337
0.293579	0.292552	0.291512	0.290462	0.289403	0.288336	0.287264	0.286190	0.285117	0.284044
0.317925	0.317224	0.316498	0.315747	0.314977	0.314186	0.313381	0.312567	0.311750	0.310929
0.333596	0.333127	0.332646	0.332156	0.331658	0.331151	0.330639	0.330122	0.329605	0.329086
0.348992	0.348761	0.348536	0.348316	0.348101	0.347890	0.347683	0.347478	0.347274	0.347072
0.362266	0.362026	0.361792	0.361564	0.361341	0.361122	0.360907	0.360694	0.360483	0.360273
0.375226	0.374978	0.374736	0.374500	0.374268	0.374042	0.373819	0.373599	0.373380	0.373162
0.387878	0.387622	0.387372	0.387127	0.386888	0.386654	0.386424	0.386196	0.385970	0.385745
0.400226	0.399961	0.399703	0.399451	0.399204	0.398963	0.398725	0.398490	0.398257	0.398025
0.412273	0.412001	0.411735	0.411475	0.411221	0.410972	0.410727	0.410485	0.410245	0.410005
0.424024	0.423744	0.423470	0.423203	0.422942	0.422686	0.422434	0.422185	0.421938	0.421692
0.435483	0.435195	0.434914	0.434639	0.434371	0.434108	0.433849	0.433594	0.433340	0.433087
0.446653	0.446357	0.446069	0.445788	0.445512	0.445243	0.444978	0.444715	0.444455	0.444196
0.457538	0.457236	0.456941	0.456652	0.456370	0.456094	0.455823	0.455554	0.455287	0.455022

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
0.001909	0.001844	0.001782	0.001722	0.001663	0.001607	0.001552	0.001500	0.001449	0.001400
0.000130	0.000125	0.000120	0.000116	0.000111	0.000107	0.000103	0.000099	0.000095	0.000092
0.000075	0.000072	0.000070	0.000067	0.000065	0.000063	0.000061	0.000059	0.000056	0.000055
0.000052	0.000051	0.000049	0.000047	0.000045	0.000044	0.000042	0.000040	0.000039	0.000037
0.000041	0.000040	0.000039	0.000037	0.000036	0.000035	0.000033	0.000032	0.000031	0.000030
0.000036	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026
0.000032	0.000031	0.000029	0.000028	0.000027	0.000026	0.000026	0.000025	0.000024	0.000023
0.000028	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000022	0.000021	0.000020
0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000022	0.000021	0.000020	0.000019
0.000027	0.000026	0.000026	0.000025	0.000024	0.000023	0.000022	0.000021	0.000021	0.000020
0.000028	0.000027	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000021	0.000021
0.000034	0.000033	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025
0.000038	0.000037	0.000036	0.000035	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029
0.000044	0.000043	0.000042	0.000040	0.000039	0.000038	0.000037	0.000036	0.000034	0.000033
0.000055	0.000054	0.000052	0.000050	0.000049	0.000047	0.000046	0.000044	0.000043	0.000041
0.000079	0.000076	0.000074	0.000072	0.000070	0.000068	0.000065	0.000063	0.000061	0.000060
0.000127	0.000123	0.000120	0.000116	0.000113	0.000110	0.000107	0.000104	0.000101	0.000099
0.000191	0.000186	0.000182	0.000177	0.000173	0.000168	0.000164	0.000160	0.000156	0.000152
0.000240	0.000234	0.000228	0.000223	0.000218	0.000212	0.000207	0.000202	0.000197	0.000193
0.000281	0.000274	0.000267	0.000261	0.000255	0.000249	0.000243	0.000237	0.000232	0.000226
0.000315	0.000308	0.000301	0.000294	0.000287	0.000281	0.000274	0.000268	0.000262	0.000256
0.000356	0.000348	0.000341	0.000334	0.000327	0.000320	0.000313	0.000307	0.000300	0.000294
0.000381	0.000374	0.000367	0.000360	0.000353	0.000346	0.000339	0.000333	0.000326	0.000320
0.000400	0.000393	0.000386	0.000379	0.000373	0.000366	0.000360	0.000353	0.000347	0.000341
0.000425	0.000418	0.000412	0.000405	0.000399	0.000393	0.000387	0.000381	0.000375	0.000369
0.000452	0.000446	0.000440	0.000433	0.000427	0.000421	0.000415	0.000409	0.000403	0.000397
0.000489	0.000482	0.000476	0.000469	0.000463	0.000457	0.000450	0.000444	0.000438	0.000432
0.000538	0.000531	0.000524	0.000517	0.000511	0.000504	0.000498	0.000491	0.000485	0.000479
0.000596	0.000589	0.000582	0.000575	0.000568	0.000561	0.000555	0.000548	0.000542	0.000535
0.000655	0.000648	0.000641	0.000634	0.000627	0.000620	0.000613	0.000606	0.000600	0.000593
0.000714	0.000706	0.000699	0.000691	0.000684	0.000677	0.000670	0.000663	0.000656	0.000649
0.000751	0.000743	0.000735	0.000727	0.000719	0.000711	0.000704	0.000696	0.000688	0.000681
0.000786	0.000777	0.000768	0.000759	0.000751	0.000742	0.000734	0.000726	0.000718	0.000710
0.000804	0.000794	0.000784	0.000774	0.000765	0.000755	0.000746	0.000737	0.000728	0.000719
0.000810	0.000799	0.000789	0.000778	0.000768	0.000758	0.000748	0.000738	0.000728	0.000718
0.000805	0.000794	0.000782	0.000771	0.000760	0.000749	0.000738	0.000728	0.000717	0.000707
0.000795	0.000782	0.000770	0.000758	0.000746	0.000734	0.000723	0.000712	0.000701	0.000690
0.000787	0.000774	0.000761	0.000748	0.000736	0.000724	0.000711	0.000699	0.000688	0.000676
0.000785	0.000771	0.000757	0.000743	0.000730	0.000717	0.000704	0.000692	0.000679	0.000667
0.000795	0.000780	0.000765	0.000751	0.000737	0.000723	0.000709	0.000696	0.000683	0.000670
0.000812	0.000796	0.000781	0.000766	0.000751	0.000736	0.000722	0.000708	0.000694	0.000681
0.000838	0.000822	0.000805	0.000789	0.000773	0.000758	0.000743	0.000728	0.000713	0.000699
0.000869	0.000851	0.000834	0.000817	0.000800	0.000783	0.000767	0.000751	0.000736	0.000721
0.000911	0.000892	0.000873	0.000854	0.000836	0.000819	0.000802	0.000785	0.000768	0.000752
0.000955	0.000934	0.000914	0.000895	0.000875	0.000856	0.000838	0.000820	0.000802	0.000785
0.001004	0.000982	0.000960	0.000939	0.000918	0.000898	0.000878	0.000859	0.000840	0.000821
0.001058	0.001034	0.001011	0.000988	0.000966	0.000944	0.000923	0.000902	0.000882	0.000862
0.001117	0.001091	0.001066	0.001041	0.001017	0.000993	0.000971	0.000948	0.000926	0.000905
0.001175	0.001147	0.001120	0.001094	0.001068	0.001042	0.001018	0.000994	0.000970	0.000947
0.001236	0.001206	0.001176	0.001148	0.001120	0.001093	0.001066	0.001040	0.001015	0.000990
0.001297	0.001265	0.001233	0.001203	0.001173	0.001143	0.001115	0.001087	0.001060	0.001034
0.001364	0.001329	0.001295	0.001262	0.001230	0.001198	0.001168	0.001138	0.001109	0.001080
0.001435	0.001397	0.001361	0.001325	0.001290	0.001256	0.001224	0.001192	0.001160	0.001130
0.001519	0.001478	0.001438	0.001400	0.001363	0.001326	0.001291	0.001256	0.001223	0.001190
0.001619	0.001575	0.001532	0.001490	0.001450	0.001410	0.001372	0.001335	0.001298	0.001263

0.001737	0.001689	0.001642	0.001597	0.001553	0.001510	0.001469	0.001428	0.001389	0.001351
0.001879	0.001827	0.001776	0.001727	0.001679	0.001632	0.001587	0.001543	0.001500	0.001458
0.002048	0.001990	0.001935	0.001880	0.001828	0.001777	0.001727	0.001678	0.001632	0.001586
0.002244	0.002181	0.002120	0.002060	0.002003	0.001946	0.001892	0.001838	0.001787	0.001736
0.002473	0.002404	0.002336	0.002270	0.002207	0.002144	0.002084	0.002025	0.001969	0.001913
0.002736	0.002659	0.002585	0.002512	0.002441	0.002373	0.002306	0.002241	0.002178	0.002117
0.003037	0.002952	0.002869	0.002788	0.002710	0.002634	0.002560	0.002488	0.002418	0.002351
0.003375	0.003281	0.003189	0.003100	0.003013	0.002929	0.002847	0.002768	0.002690	0.002615
0.003759	0.003655	0.003553	0.003455	0.003359	0.003265	0.003174	0.003086	0.003001	0.002917
0.004190	0.004075	0.003962	0.003853	0.003747	0.003643	0.003543	0.003445	0.003350	0.003258
0.004673	0.004545	0.004421	0.004300	0.004183	0.004069	0.003958	0.003849	0.003744	0.003642
0.005210	0.005069	0.004932	0.004799	0.004669	0.004543	0.004420	0.004301	0.004185	0.004072
0.005786	0.005632	0.005482	0.005335	0.005193	0.005054	0.004919	0.004788	0.004660	0.004535
0.006337	0.006169	0.006005	0.005845	0.005690	0.005539	0.005392	0.005248	0.005109	0.004973
0.006928	0.006745	0.006567	0.006393	0.006224	0.006060	0.005900	0.005744	0.005592	0.005444
0.007650	0.007450	0.007255	0.007065	0.006880	0.006700	0.006525	0.006354	0.006188	0.006026
0.008543	0.008323	0.008108	0.007900	0.007696	0.007498	0.007305	0.007117	0.006933	0.006755
0.009642	0.009399	0.009162	0.008931	0.008706	0.008487	0.008273	0.008064	0.007861	0.007663
0.010983	0.010714	0.010452	0.010196	0.009946	0.009702	0.009464	0.009232	0.009006	0.008785
0.012611	0.012312	0.012021	0.011736	0.011458	0.011186	0.010921	0.010662	0.010410	0.010163
0.014567	0.014235	0.013910	0.013593	0.013284	0.012981	0.012685	0.012396	0.012113	0.011837
0.016897	0.016528	0.016167	0.015814	0.015469	0.015131	0.014801	0.014478	0.014162	0.013853
0.019649	0.019240	0.018839	0.018447	0.018062	0.017686	0.017318	0.016957	0.016604	0.016258
0.022868	0.022415	0.021970	0.021535	0.021109	0.020690	0.020281	0.019879	0.019485	0.019099
0.026578	0.026077	0.025586	0.025104	0.024631	0.024168	0.023712	0.023266	0.022828	0.022398
0.030813	0.030260	0.029718	0.029185	0.028662	0.028148	0.027643	0.027147	0.026661	0.026183
0.035595	0.034986	0.034387	0.033799	0.033221	0.032653	0.032094	0.031545	0.031005	0.030475
0.040953	0.040283	0.039623	0.038974	0.038336	0.037709	0.037091	0.036484	0.035887	0.035299
0.046925	0.046188	0.045463	0.044750	0.044048	0.043356	0.042676	0.042006	0.041347	0.040698
0.053553	0.052747	0.051953	0.051170	0.050400	0.049641	0.048893	0.048157	0.047432	0.046718
0.060885	0.060006	0.059141	0.058288	0.057447	0.056618	0.055801	0.054997	0.054203	0.053421
0.068976	0.068026	0.067089	0.066165	0.065253	0.064354	0.063467	0.062593	0.061731	0.060880
0.078100	0.077079	0.076071	0.075076	0.074095	0.073126	0.072170	0.071226	0.070295	0.069376
0.089445	0.088356	0.087279	0.086216	0.085166	0.084129	0.083104	0.082092	0.081092	0.080104
0.104022	0.102872	0.101735	0.100611	0.099499	0.098400	0.097312	0.096237	0.095173	0.094121
0.120726	0.119530	0.118346	0.117174	0.116013	0.114864	0.113726	0.112599	0.111484	0.110379
0.137800	0.136567	0.135346	0.134136	0.132936	0.131747	0.130569	0.129401	0.128244	0.127097
0.153758	0.152491	0.151233	0.149987	0.148750	0.147524	0.146307	0.145101	0.143905	0.142719
0.168596	0.167290	0.165995	0.164709	0.163433	0.162167	0.160911	0.159664	0.158428	0.157200
0.182674	0.181326	0.179988	0.178660	0.177342	0.176033	0.174734	0.173445	0.172165	0.170895
0.196383	0.194990	0.193608	0.192235	0.190872	0.189519	0.188175	0.186841	0.185516	0.184201
0.210112	0.208674	0.207246	0.205828	0.204419	0.203021	0.201631	0.200252	0.198881	0.197520
0.223847	0.222362	0.220887	0.219421	0.217966	0.216520	0.215083	0.213657	0.212239	0.210831
0.237863	0.236330	0.234807	0.233294	0.231790	0.230297	0.228813	0.227338	0.225873	0.224417
0.252186	0.250603	0.249030	0.247467	0.245914	0.244371	0.242837	0.241313	0.239799	0.238294
0.266330	0.264697	0.263075	0.261463	0.259861	0.258268	0.256686	0.255113	0.253549	0.251996
0.291430	0.289967	0.288511	0.287062	0.285621	0.284187	0.282760	0.281341	0.279928	0.278523
0.314221	0.312935	0.311654	0.310378	0.309107	0.307842	0.306582	0.305327	0.304077	0.302833
0.337386	0.336301	0.335219	0.334141	0.333066	0.331995	0.330927	0.329862	0.328801	0.327743
0.353071	0.352228	0.351388	0.350549	0.349713	0.348878	0.348045	0.347215	0.346386	0.345559
0.368612	0.368023	0.367435	0.366847	0.366261	0.365675	0.365090	0.364507	0.363924	0.363342
0.383999	0.383673	0.383346	0.383020	0.382695	0.382369	0.382044	0.381719	0.381394	0.381070
0.399222	0.399167	0.399111	0.399056	0.399000	0.398945	0.398890	0.398834	0.398779	0.398724
0.410995	0.410993	0.410991	0.410989	0.410987	0.410985	0.410982	0.410980	0.410978	0.410976
0.421751	0.421749	0.421747	0.421745	0.421743	0.421741	0.421738	0.421736	0.421734	0.421732
0.432273	0.432270	0.432268	0.432266	0.432264	0.432262	0.432259	0.432257	0.432255	0.432253
0.442562	0.442560	0.442558	0.442555	0.442553	0.442551	0.442549	0.442546	0.442544	0.442542
0.452622	0.452620	0.452618	0.452615	0.452613	0.452611	0.452608	0.452606	0.452604	0.452601
0.462456	0.462454	0.462451	0.462449	0.462446	0.462444	0.462442	0.462439	0.462437	0.462435
0.472066	0.472064	0.472061	0.472059	0.472056	0.472054	0.472052	0.472049	0.472047	0.472044
0.481455	0.481453	0.481450	0.481448	0.481445	0.481443	0.481441	0.481438	0.481436	0.481433

0.490626	0.490624	0.490622	0.490619	0.490617	0.490614	0.490612	0.490609	0.490607	0.490604
0.499583	0.499580	0.499578	0.499575	0.499572	0.499570	0.499567	0.499565	0.499562	0.499560
0.508326	0.508324	0.508321	0.508319	0.508316	0.508314	0.508311	0.508308	0.508306	0.508303
0.516861	0.516858	0.516856	0.516853	0.516850	0.516848	0.516845	0.516843	0.516840	0.516837
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
0.001724	0.001669	0.001615	0.001563	0.001513	0.001464	0.001417	0.001372	0.001328	0.001285
0.000095	0.000092	0.000088	0.000085	0.000081	0.000078	0.000075	0.000072	0.000069	0.000067
0.000063	0.000061	0.000059	0.000056	0.000055	0.000053	0.000051	0.000049	0.000047	0.000046
0.000055	0.000053	0.000051	0.000050	0.000048	0.000046	0.000045	0.000043	0.000042	0.000040
0.000043	0.000042	0.000040	0.000039	0.000038	0.000036	0.000035	0.000034	0.000033	0.000032
0.000040	0.000039	0.000037	0.000036	0.000035	0.000034	0.000033	0.000032	0.000030	0.000029
0.000034	0.000033	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025
0.000028	0.000027	0.000026	0.000025	0.000024	0.000024	0.000023	0.000022	0.000021	0.000021
0.000024	0.000023	0.000022	0.000021	0.000021	0.000020	0.000019	0.000019	0.000018	0.000017
0.000023	0.000022	0.000021	0.000020	0.000020	0.000019	0.000019	0.000018	0.000018	0.000017
0.000023	0.000022	0.000022	0.000021	0.000020	0.000019	0.000019	0.000018	0.000018	0.000017
0.000026	0.000025	0.000024	0.000024	0.000023	0.000022	0.000022	0.000021	0.000020	0.000020
0.000031	0.000030	0.000029	0.000028	0.000028	0.000027	0.000026	0.000025	0.000025	0.000024
0.000045	0.000044	0.000043	0.000041	0.000040	0.000040	0.000039	0.000038	0.000037	0.000036
0.000068	0.000067	0.000065	0.000064	0.000063	0.000061	0.000060	0.000059	0.000057	0.000056
0.000094	0.000092	0.000090	0.000088	0.000087	0.000085	0.000083	0.000081	0.000080	0.000078
0.000116	0.000114	0.000112	0.000110	0.000107	0.000105	0.000103	0.000101	0.000099	0.000097
0.000128	0.000126	0.000123	0.000121	0.000118	0.000116	0.000114	0.000112	0.000109	0.000107
0.000136	0.000133	0.000130	0.000128	0.000125	0.000122	0.000120	0.000117	0.000115	0.000113
0.000143	0.000140	0.000137	0.000134	0.000131	0.000129	0.000126	0.000124	0.000121	0.000119
0.000145	0.000142	0.000139	0.000137	0.000134	0.000131	0.000129	0.000126	0.000123	0.000121
0.000146	0.000143	0.000140	0.000137	0.000135	0.000132	0.000129	0.000127	0.000124	0.000122
0.000147	0.000144	0.000141	0.000138	0.000135	0.000132	0.000130	0.000127	0.000125	0.000122
0.000149	0.000146	0.000143	0.000140	0.000137	0.000135	0.000132	0.000129	0.000127	0.000124
0.000154	0.000151	0.000148	0.000145	0.000142	0.000140	0.000137	0.000134	0.000132	0.000129
0.000162	0.000159	0.000156	0.000153	0.000150	0.000147	0.000144	0.000142	0.000139	0.000136
0.000174	0.000171	0.000168	0.000165	0.000162	0.000159	0.000156	0.000153	0.000150	0.000147
0.000193	0.000190	0.000186	0.000183	0.000180	0.000176	0.000173	0.000170	0.000167	0.000164
0.000212	0.000208	0.000204	0.000200	0.000196	0.000193	0.000189	0.000186	0.000182	0.000179
0.000226	0.000222	0.000218	0.000213	0.000209	0.000205	0.000202	0.000198	0.000194	0.000190
0.000238	0.000233	0.000228	0.000224	0.000220	0.000215	0.000211	0.000207	0.000203	0.000199
0.000247	0.000242	0.000237	0.000232	0.000227	0.000223	0.000218	0.000214	0.000210	0.000205
0.000260	0.000255	0.000249	0.000244	0.000239	0.000235	0.000230	0.000225	0.000221	0.000216
0.000274	0.000268	0.000262	0.000257	0.000252	0.000246	0.000241	0.000236	0.000231	0.000227
0.000291	0.000284	0.000279	0.000273	0.000267	0.000262	0.000256	0.000251	0.000246	0.000240
0.000309	0.000303	0.000296	0.000290	0.000284	0.000278	0.000272	0.000266	0.000261	0.000255
0.000330	0.000323	0.000316	0.000309	0.000302	0.000296	0.000290	0.000283	0.000277	0.000271
0.000350	0.000343	0.000335	0.000328	0.000321	0.000314	0.000307	0.000300	0.000293	0.000287
0.000375	0.000367	0.000359	0.000351	0.000343	0.000336	0.000328	0.000321	0.000314	0.000307
0.000404	0.000395	0.000386	0.000378	0.000369	0.000361	0.000353	0.000345	0.000338	0.000330
0.000435	0.000426	0.000416	0.000407	0.000398	0.000389	0.000381	0.000372	0.000364	0.000356
0.000469	0.000459	0.000448	0.000439	0.000429	0.000419	0.000410	0.000401	0.000392	0.000384
0.000506	0.000495	0.000484	0.000473	0.000463	0.000453	0.000443	0.000433	0.000423	0.000414
0.000544	0.000531	0.000519	0.000508	0.000496	0.000485	0.000474	0.000464	0.000453	0.000443
0.000583	0.000570	0.000557	0.000544	0.000532	0.000520	0.000508	0.000497	0.000485	0.000474
0.000625	0.000611	0.000597	0.000583	0.000570	0.000557	0.000544	0.000531	0.000519	0.000507
0.000672	0.000656	0.000641	0.000626	0.000611	0.000597	0.000583	0.000570	0.000556	0.000543
0.000718	0.000701	0.000685	0.000668	0.000653	0.000637	0.000622	0.000607	0.000593	0.000579
0.000770	0.000752	0.000734	0.000716	0.000699	0.000682	0.000666	0.000650	0.000634	0.000619
0.000824	0.000804	0.000785	0.000766	0.000747	0.000729	0.000712	0.000695	0.000678	0.000662
0.000883	0.000862	0.000841	0.000821	0.000801	0.000781	0.000762	0.000744	0.000726	0.000708
0.000946	0.000922	0.000900	0.000878	0.000857	0.000836	0.000815	0.000795	0.000776	0.000757
0.001012	0.000987	0.000963	0.000940	0.000917	0.000894	0.000872	0.000851	0.000830	0.000810

0.001078	0.001051	0.001025	0.001000	0.000975	0.000951	0.000928	0.000905	0.000883	0.000861
0.001147	0.001119	0.001091	0.001064	0.001038	0.001012	0.000987	0.000963	0.000939	0.000916
0.001231	0.001200	0.001171	0.001142	0.001113	0.001086	0.001059	0.001033	0.001007	0.000982
0.001332	0.001299	0.001267	0.001236	0.001205	0.001176	0.001147	0.001119	0.001091	0.001064
0.001469	0.001433	0.001398	0.001364	0.001331	0.001299	0.001267	0.001236	0.001206	0.001177
0.001642	0.001603	0.001564	0.001527	0.001491	0.001455	0.001420	0.001386	0.001353	0.001321
0.001846	0.001803	0.001760	0.001719	0.001679	0.001639	0.001601	0.001564	0.001527	0.001491
0.002065	0.002018	0.001971	0.001926	0.001881	0.001838	0.001795	0.001754	0.001713	0.001674
0.002285	0.002232	0.002181	0.002131	0.002082	0.002035	0.001988	0.001942	0.001898	0.001854
0.002496	0.002439	0.002383	0.002328	0.002274	0.002222	0.002171	0.002121	0.002072	0.002025
0.002707	0.002644	0.002583	0.002523	0.002465	0.002408	0.002352	0.002297	0.002244	0.002192
0.002929	0.002860	0.002793	0.002728	0.002664	0.002602	0.002541	0.002481	0.002423	0.002367
0.003173	0.003098	0.003025	0.002954	0.002884	0.002816	0.002749	0.002684	0.002621	0.002559
0.003452	0.003370	0.003289	0.003211	0.003134	0.003059	0.002986	0.002915	0.002846	0.002778
0.003774	0.003684	0.003595	0.003509	0.003424	0.003342	0.003262	0.003183	0.003107	0.003032
0.004153	0.004052	0.003954	0.003858	0.003765	0.003673	0.003584	0.003498	0.003413	0.003330
0.004599	0.004488	0.004378	0.004272	0.004168	0.004067	0.003968	0.003871	0.003777	0.003685
0.005125	0.005001	0.004879	0.004760	0.004644	0.004531	0.004421	0.004314	0.004209	0.004106
0.005745	0.005606	0.005470	0.005337	0.005208	0.005082	0.004958	0.004838	0.004721	0.004606
0.006462	0.006307	0.006155	0.006007	0.005862	0.005721	0.005583	0.005449	0.005317	0.005189
0.007285	0.007112	0.006942	0.006777	0.006616	0.006458	0.006304	0.006154	0.006007	0.005864
0.008250	0.008056	0.007867	0.007682	0.007501	0.007325	0.007153	0.006985	0.006820	0.006660
0.009395	0.009178	0.008966	0.008758	0.008556	0.008358	0.008165	0.007976	0.007792	0.007612
0.010753	0.010508	0.010270	0.010037	0.009809	0.009586	0.009368	0.009156	0.008948	0.008744
0.012364	0.012089	0.011819	0.011556	0.011299	0.011048	0.010802	0.010561	0.010326	0.010096
0.014275	0.013964	0.013660	0.013362	0.013071	0.012786	0.012508	0.012235	0.011969	0.011708
0.016531	0.016180	0.015836	0.015499	0.015170	0.014847	0.014531	0.014222	0.013920	0.013624
0.019178	0.018782	0.018393	0.018012	0.017640	0.017275	0.016917	0.016567	0.016224	0.015888
0.022288	0.021841	0.021403	0.020974	0.020554	0.020141	0.019738	0.019342	0.018954	0.018574
0.025965	0.025463	0.024970	0.024487	0.024014	0.023550	0.023094	0.022648	0.022210	0.021780
0.030339	0.029777	0.029225	0.028683	0.028152	0.027630	0.027118	0.026616	0.026122	0.025638
0.035549	0.034922	0.034305	0.033700	0.033105	0.032520	0.031946	0.031382	0.030828	0.030284
0.041744	0.041046	0.040360	0.039685	0.039022	0.038369	0.037728	0.037097	0.036477	0.035867
0.049076	0.048303	0.047543	0.046795	0.046058	0.045333	0.044620	0.043917	0.043226	0.042546
0.057728	0.056879	0.056042	0.055218	0.054406	0.053606	0.052818	0.052041	0.051275	0.050521
0.067866	0.066941	0.066028	0.065127	0.064239	0.063363	0.062498	0.061646	0.060805	0.059976
0.079683	0.078684	0.077698	0.076724	0.075762	0.074812	0.073874	0.072948	0.072034	0.071131
0.093358	0.092294	0.091242	0.090201	0.089173	0.088156	0.087151	0.086158	0.085175	0.084204
0.109095	0.107978	0.106872	0.105778	0.104695	0.103623	0.102562	0.101511	0.100472	0.099443
0.126248	0.125093	0.123949	0.122815	0.121691	0.120578	0.119475	0.118382	0.117299	0.116226
0.141993	0.140806	0.139629	0.138462	0.137304	0.136156	0.135018	0.133889	0.132769	0.131659
0.156679	0.155461	0.154252	0.153053	0.151863	0.150683	0.149511	0.148349	0.147196	0.146052
0.171656	0.170412	0.169178	0.167952	0.166736	0.165528	0.164329	0.163138	0.161957	0.160784
0.188236	0.186979	0.185730	0.184489	0.183257	0.182033	0.180817	0.179609	0.178409	0.177218
0.204620	0.203350	0.202089	0.200835	0.199589	0.198351	0.197120	0.195897	0.194682	0.193474
0.220866	0.219586	0.218313	0.217048	0.215790	0.214539	0.213296	0.212059	0.210830	0.209608
0.237001	0.235711	0.234428	0.233152	0.231883	0.230620	0.229365	0.228116	0.226875	0.225640
0.253030	0.251730	0.250436	0.249150	0.247869	0.246596	0.245329	0.244068	0.242814	0.241567
0.282976	0.281912	0.280852	0.279796	0.278743	0.277695	0.276651	0.275610	0.274574	0.273541
0.310111	0.309295	0.308481	0.307669	0.306859	0.306052	0.305246	0.304443	0.303642	0.302842
0.328567	0.328050	0.327533	0.327017	0.326502	0.325988	0.325475	0.324962	0.324450	0.323939
0.346870	0.346668	0.346466	0.346264	0.346062	0.345860	0.345658	0.345457	0.345256	0.345054
0.360063	0.359853	0.359643	0.359434	0.359224	0.359015	0.358805	0.358596	0.358387	0.358178
0.372945	0.372727	0.372510	0.372293	0.372076	0.371859	0.371642	0.371426	0.371209	0.370993
0.385520	0.385295	0.385071	0.384846	0.384622	0.384398	0.384174	0.383950	0.383726	0.383502
0.397793	0.397561	0.397329	0.397097	0.396866	0.396635	0.396403	0.396172	0.395941	0.395711
0.409767	0.409528	0.409289	0.409050	0.408812	0.408574	0.408336	0.408098	0.407860	0.407622
0.421446	0.421200	0.420955	0.420709	0.420464	0.420219	0.419974	0.419729	0.419485	0.419240
0.432835	0.432582	0.432330	0.432078	0.431826	0.431575	0.431323	0.431072	0.430820	0.430569
0.443937	0.443678	0.443420	0.443161	0.442903	0.442645	0.442387	0.442129	0.441871	0.441613
0.454756	0.454491	0.454226	0.453962	0.453697	0.453433	0.453168	0.452904	0.452640	0.452376

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
0.001352	0.001306	0.001262	0.001219	0.001178	0.001138	0.001099	0.001062	0.001026	0.000991
0.000088	0.000085	0.000082	0.000078	0.000076	0.000073	0.000070	0.000067	0.000065	0.000062
0.000053	0.000051	0.000049	0.000047	0.000046	0.000044	0.000043	0.000041	0.000040	0.000038
0.000036	0.000035	0.000034	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000026
0.000029	0.000028	0.000027	0.000026	0.000025	0.000024	0.000024	0.000023	0.000022	0.000021
0.000025	0.000024	0.000023	0.000022	0.000022	0.000021	0.000020	0.000019	0.000019	0.000018
0.000022	0.000021	0.000021	0.000020	0.000019	0.000018	0.000018	0.000017	0.000017	0.000016
0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015	0.000014	0.000014
0.000019	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013
0.000019	0.000018	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015	0.000014	0.000014
0.000020	0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000016	0.000015	0.000014
0.000024	0.000023	0.000023	0.000022	0.000021	0.000020	0.000020	0.000019	0.000018	0.000018
0.000028	0.000027	0.000026	0.000025	0.000024	0.000024	0.000023	0.000022	0.000021	0.000021
0.000032	0.000031	0.000030	0.000029	0.000028	0.000027	0.000027	0.000026	0.000025	0.000024
0.000040	0.000039	0.000038	0.000037	0.000035	0.000034	0.000033	0.000032	0.000031	0.000030
0.000058	0.000056	0.000054	0.000053	0.000051	0.000049	0.000048	0.000046	0.000045	0.000044
0.000096	0.000093	0.000091	0.000088	0.000086	0.000084	0.000081	0.000079	0.000077	0.000075
0.000148	0.000145	0.000141	0.000138	0.000134	0.000131	0.000128	0.000124	0.000121	0.000118
0.000188	0.000184	0.000179	0.000175	0.000171	0.000167	0.000163	0.000159	0.000155	0.000151
0.000221	0.000216	0.000211	0.000206	0.000201	0.000196	0.000192	0.000187	0.000183	0.000178
0.000250	0.000244	0.000239	0.000233	0.000228	0.000223	0.000218	0.000213	0.000208	0.000203
0.000288	0.000282	0.000276	0.000270	0.000264	0.000259	0.000253	0.000248	0.000243	0.000238
0.000314	0.000308	0.000302	0.000296	0.000290	0.000285	0.000279	0.000274	0.000268	0.000263
0.000335	0.000329	0.000323	0.000317	0.000311	0.000306	0.000300	0.000295	0.000290	0.000285
0.000363	0.000358	0.000352	0.000346	0.000341	0.000336	0.000330	0.000325	0.000320	0.000315
0.000391	0.000386	0.000380	0.000375	0.000369	0.000364	0.000359	0.000354	0.000349	0.000344
0.000426	0.000420	0.000415	0.000409	0.000403	0.000398	0.000392	0.000387	0.000382	0.000377
0.000472	0.000466	0.000460	0.000454	0.000449	0.000443	0.000437	0.000431	0.000426	0.000420
0.000529	0.000523	0.000516	0.000510	0.000504	0.000498	0.000492	0.000486	0.000481	0.000475
0.000586	0.000580	0.000574	0.000567	0.000561	0.000555	0.000549	0.000542	0.000536	0.000531
0.000642	0.000635	0.000628	0.000622	0.000615	0.000609	0.000602	0.000596	0.000590	0.000583
0.000673	0.000666	0.000659	0.000652	0.000644	0.000637	0.000630	0.000624	0.000617	0.000610
0.000702	0.000694	0.000686	0.000678	0.000671	0.000663	0.000656	0.000648	0.000641	0.000634
0.000710	0.000702	0.000693	0.000684	0.000676	0.000668	0.000660	0.000651	0.000643	0.000636
0.000709	0.000700	0.000690	0.000681	0.000672	0.000663	0.000655	0.000646	0.000637	0.000629
0.000697	0.000687	0.000677	0.000667	0.000657	0.000648	0.000639	0.000629	0.000620	0.000611
0.000679	0.000668	0.000658	0.000647	0.000637	0.000627	0.000618	0.000608	0.000598	0.000589
0.000665	0.000654	0.000643	0.000632	0.000621	0.000611	0.000601	0.000590	0.000580	0.000571
0.000655	0.000643	0.000632	0.000621	0.000610	0.000599	0.000588	0.000577	0.000567	0.000557
0.000658	0.000645	0.000633	0.000621	0.000610	0.000598	0.000587	0.000576	0.000565	0.000554
0.000667	0.000654	0.000642	0.000629	0.000617	0.000605	0.000593	0.000582	0.000570	0.000559
0.000685	0.000671	0.000658	0.000645	0.000632	0.000619	0.000607	0.000595	0.000583	0.000571
0.000706	0.000691	0.000677	0.000663	0.000650	0.000636	0.000623	0.000610	0.000598	0.000585
0.000736	0.000721	0.000705	0.000691	0.000676	0.000662	0.000648	0.000634	0.000621	0.000608
0.000768	0.000751	0.000735	0.000719	0.000704	0.000689	0.000674	0.000659	0.000645	0.000631
0.000803	0.000786	0.000768	0.000751	0.000735	0.000719	0.000703	0.000687	0.000672	0.000657
0.000842	0.000823	0.000805	0.000787	0.000769	0.000752	0.000735	0.000718	0.000702	0.000686
0.000884	0.000863	0.000844	0.000824	0.000805	0.000786	0.000768	0.000750	0.000733	0.000716
0.000925	0.000903	0.000881	0.000861	0.000840	0.000820	0.000801	0.000782	0.000763	0.000745
0.000966	0.000943	0.000920	0.000897	0.000876	0.000854	0.000834	0.000813	0.000794	0.000774
0.001008	0.000983	0.000958	0.000934	0.000911	0.000888	0.000866	0.000845	0.000823	0.000803
0.001053	0.001026	0.000999	0.000974	0.000949	0.000925	0.000901	0.000878	0.000856	0.000834
0.001100	0.001072	0.001044	0.001016	0.000990	0.000964	0.000939	0.000914	0.000890	0.000867
0.001158	0.001127	0.001097	0.001068	0.001039	0.001011	0.000984	0.000958	0.000933	0.000908
0.001229	0.001196	0.001163	0.001131	0.001101	0.001071	0.001042	0.001013	0.000986	0.000959

0.001313	0.001277	0.001242	0.001208	0.001175	0.001142	0.001111	0.001080	0.001050	0.001021
0.001418	0.001378	0.001340	0.001303	0.001267	0.001231	0.001197	0.001164	0.001131	0.001100
0.001541	0.001498	0.001456	0.001416	0.001376	0.001337	0.001300	0.001264	0.001228	0.001194
0.001688	0.001640	0.001594	0.001549	0.001506	0.001463	0.001422	0.001382	0.001343	0.001306
0.001859	0.001807	0.001756	0.001707	0.001659	0.001612	0.001567	0.001523	0.001480	0.001438
0.002057	0.001999	0.001943	0.001888	0.001835	0.001784	0.001733	0.001685	0.001637	0.001591
0.002285	0.002220	0.002158	0.002098	0.002039	0.001982	0.001926	0.001872	0.001819	0.001768
0.002542	0.002471	0.002402	0.002335	0.002269	0.002206	0.002144	0.002084	0.002026	0.001969
0.002836	0.002757	0.002681	0.002606	0.002534	0.002463	0.002395	0.002328	0.002264	0.002201
0.003168	0.003081	0.002996	0.002913	0.002833	0.002755	0.002679	0.002605	0.002533	0.002463
0.003543	0.003446	0.003352	0.003260	0.003171	0.003084	0.003000	0.002918	0.002839	0.002761
0.003962	0.003855	0.003751	0.003649	0.003551	0.003455	0.003362	0.003271	0.003182	0.003096
0.004414	0.004296	0.004181	0.004070	0.003961	0.003855	0.003752	0.003652	0.003554	0.003460
0.004841	0.004712	0.004587	0.004465	0.004347	0.004231	0.004119	0.004009	0.003903	0.003799
0.005300	0.005160	0.005024	0.004891	0.004761	0.004636	0.004513	0.004394	0.004278	0.004164
0.005868	0.005714	0.005565	0.005419	0.005277	0.005139	0.005005	0.004874	0.004746	0.004622
0.006581	0.006411	0.006246	0.006086	0.005929	0.005776	0.005627	0.005482	0.005341	0.005204
0.007470	0.007282	0.007098	0.006920	0.006745	0.006575	0.006410	0.006248	0.006091	0.005937
0.008570	0.008360	0.008155	0.007956	0.007761	0.007570	0.007385	0.007204	0.007027	0.006855
0.009922	0.009687	0.009458	0.009234	0.009015	0.008801	0.008593	0.008389	0.008190	0.007996
0.011567	0.011304	0.011046	0.010794	0.010548	0.010308	0.010073	0.009843	0.009619	0.009399
0.013550	0.013254	0.012965	0.012682	0.012405	0.012134	0.011869	0.011610	0.011357	0.011109
0.015919	0.015588	0.015263	0.014945	0.014634	0.014329	0.014031	0.013738	0.013452	0.013172
0.018721	0.018350	0.017986	0.017630	0.017281	0.016938	0.016603	0.016274	0.015952	0.015636
0.021976	0.021562	0.021156	0.020758	0.020367	0.019983	0.019607	0.019238	0.018876	0.018520
0.025713	0.025252	0.024800	0.024355	0.023918	0.023489	0.023068	0.022655	0.022249	0.021850
0.029953	0.029441	0.028937	0.028442	0.027956	0.027477	0.027007	0.026545	0.026091	0.025645
0.034721	0.034153	0.033593	0.033043	0.032502	0.031970	0.031447	0.030932	0.030426	0.029928
0.040059	0.039430	0.038811	0.038202	0.037602	0.037012	0.036431	0.035860	0.035297	0.034743
0.046014	0.045322	0.044639	0.043967	0.043305	0.042653	0.042011	0.041378	0.040755	0.040141
0.052651	0.051891	0.051143	0.050405	0.049678	0.048961	0.048255	0.047559	0.046873	0.046197
0.060042	0.059214	0.058399	0.057594	0.056801	0.056018	0.055246	0.054485	0.053735	0.052994
0.068469	0.067573	0.066690	0.065818	0.064957	0.064108	0.063270	0.062442	0.061626	0.060820
0.079128	0.078164	0.077212	0.076271	0.075342	0.074425	0.073518	0.072622	0.071738	0.070864
0.093081	0.092053	0.091035	0.090029	0.089034	0.088050	0.087077	0.086115	0.085163	0.084222
0.109286	0.108203	0.107132	0.106070	0.105020	0.103979	0.102949	0.101929	0.100920	0.099920
0.125961	0.124834	0.123718	0.122611	0.121515	0.120428	0.119351	0.118284	0.117226	0.116178
0.141542	0.140375	0.139218	0.138070	0.136932	0.135803	0.134683	0.133573	0.132472	0.131380
0.155983	0.154775	0.153576	0.152386	0.151206	0.150034	0.148872	0.147719	0.146575	0.145440
0.169634	0.168382	0.167140	0.165907	0.164682	0.163467	0.162261	0.161064	0.159875	0.158696
0.182895	0.181598	0.180311	0.179032	0.177763	0.176503	0.175251	0.174009	0.172775	0.171550
0.196169	0.194827	0.193493	0.192169	0.190854	0.189548	0.188251	0.186963	0.185684	0.184413
0.209433	0.208043	0.206663	0.205292	0.203931	0.202578	0.201234	0.199899	0.198573	0.197256
0.222971	0.221534	0.220107	0.218688	0.217279	0.215879	0.214488	0.213106	0.211732	0.210368
0.236798	0.235312	0.233836	0.232368	0.230910	0.229461	0.228020	0.226589	0.225167	0.223754
0.250451	0.248917	0.247391	0.245875	0.244368	0.242871	0.241382	0.239903	0.238433	0.236972
0.277125	0.275734	0.274349	0.272972	0.271601	0.270238	0.268881	0.267531	0.266188	0.264852
0.301593	0.300358	0.299129	0.297905	0.296685	0.295471	0.294261	0.293057	0.291857	0.290662
0.326689	0.325638	0.324591	0.323546	0.322506	0.321468	0.320434	0.319403	0.318376	0.317352
0.344735	0.343912	0.343091	0.342273	0.341456	0.340641	0.339828	0.339017	0.338208	0.337401
0.362761	0.362181	0.361602	0.361024	0.360446	0.359870	0.359295	0.358720	0.358147	0.357574
0.380746	0.380422	0.380098	0.379775	0.379452	0.379129	0.378807	0.378484	0.378163	0.377841
0.398668	0.398613	0.398558	0.398503	0.398447	0.398392	0.398337	0.398282	0.398226	0.398171
0.410974	0.410972	0.410970	0.410968	0.410966	0.410964	0.410962	0.410959	0.410957	0.410955
0.421730	0.421728	0.421726	0.421723	0.421721	0.421719	0.421717	0.421715	0.421713	0.421711
0.432251	0.432249	0.432246	0.432244	0.432242	0.432240	0.432238	0.432235	0.432233	0.432231
0.442540	0.442537	0.442535	0.442533	0.442531	0.442528	0.442526	0.442524	0.442522	0.442519
0.452599	0.452597	0.452595	0.452592	0.452590	0.452588	0.452585	0.452583	0.452581	0.452578
0.462432	0.462430	0.462428	0.462425	0.462423	0.462421	0.462418	0.462416	0.462414	0.462411
0.472042	0.472040	0.472037	0.472035	0.472032	0.472030	0.472028	0.472025	0.472023	0.472020
0.481431	0.481428	0.481426	0.481423	0.481421	0.481419	0.481416	0.481414	0.481411	0.481409

0.490602	0.490599	0.490597	0.490594	0.490592	0.490589	0.490587	0.490584	0.490582	0.490579
0.499557	0.499555	0.499552	0.499550	0.499547	0.499545	0.499542	0.499540	0.499537	0.499534
0.508301	0.508298	0.508296	0.508293	0.508290	0.508288	0.508285	0.508283	0.508280	0.508277
0.516835	0.516832	0.516829	0.516827	0.516824	0.516822	0.516819	0.516816	0.516814	0.516811
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
0.001244	0.001204	0.001165	0.001127	0.001091	0.001056	0.001022	0.000989	0.000957	0.000927
0.000064	0.000062	0.000059	0.000057	0.000055	0.000053	0.000051	0.000049	0.000047	0.000045
0.000044	0.000043	0.000041	0.000040	0.000038	0.000037	0.000036	0.000034	0.000033	0.000032
0.000039	0.000038	0.000036	0.000035	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029
0.000030	0.000029	0.000028	0.000027	0.000026	0.000025	0.000025	0.000024	0.000023	0.000022
0.000028	0.000027	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000022	0.000021
0.000024	0.000023	0.000023	0.000022	0.000021	0.000020	0.000020	0.000019	0.000018	0.000018
0.000020	0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000016	0.000015	0.000015
0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000012
0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000012	0.000012
0.000017	0.000016	0.000015	0.000015	0.000014	0.000014	0.000014	0.000013	0.000013	0.000012
0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000016	0.000015	0.000015	0.000015
0.000023	0.000023	0.000022	0.000021	0.000021	0.000020	0.000020	0.000019	0.000019	0.000018
0.000035	0.000034	0.000033	0.000033	0.000032	0.000031	0.000030	0.000030	0.000029	0.000028
0.000055	0.000054	0.000053	0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045
0.000077	0.000075	0.000074	0.000072	0.000071	0.000069	0.000068	0.000066	0.000065	0.000064
0.000096	0.000094	0.000092	0.000090	0.000088	0.000087	0.000085	0.000083	0.000082	0.000080
0.000105	0.000103	0.000101	0.000099	0.000097	0.000095	0.000094	0.000092	0.000090	0.000088
0.000110	0.000108	0.000106	0.000104	0.000101	0.000099	0.000097	0.000095	0.000093	0.000091
0.000116	0.000114	0.000112	0.000109	0.000107	0.000105	0.000103	0.000101	0.000099	0.000097
0.000118	0.000116	0.000114	0.000111	0.000109	0.000107	0.000105	0.000103	0.000100	0.000098
0.000119	0.000117	0.000114	0.000112	0.000110	0.000107	0.000105	0.000103	0.000101	0.000099
0.000120	0.000117	0.000115	0.000113	0.000110	0.000108	0.000106	0.000104	0.000102	0.000100
0.000122	0.000119	0.000117	0.000115	0.000112	0.000110	0.000108	0.000106	0.000104	0.000101
0.000127	0.000124	0.000122	0.000119	0.000117	0.000115	0.000112	0.000110	0.000108	0.000106
0.000134	0.000131	0.000129	0.000126	0.000124	0.000121	0.000119	0.000117	0.000114	0.000112
0.000144	0.000141	0.000139	0.000136	0.000134	0.000131	0.000129	0.000126	0.000124	0.000121
0.000161	0.000158	0.000155	0.000152	0.000149	0.000146	0.000144	0.000141	0.000138	0.000136
0.000175	0.000172	0.000169	0.000166	0.000163	0.000159	0.000156	0.000154	0.000151	0.000148
0.000187	0.000183	0.000180	0.000176	0.000173	0.000170	0.000167	0.000164	0.000160	0.000157
0.000195	0.000191	0.000187	0.000184	0.000180	0.000177	0.000173	0.000170	0.000166	0.000163
0.000201	0.000197	0.000193	0.000189	0.000186	0.000182	0.000178	0.000175	0.000171	0.000168
0.000212	0.000208	0.000203	0.000199	0.000195	0.000191	0.000187	0.000184	0.000180	0.000176
0.000222	0.000217	0.000213	0.000208	0.000204	0.000200	0.000196	0.000192	0.000188	0.000184
0.000235	0.000230	0.000226	0.000221	0.000216	0.000212	0.000207	0.000203	0.000199	0.000195
0.000250	0.000245	0.000239	0.000234	0.000229	0.000225	0.000220	0.000215	0.000211	0.000206
0.000266	0.000260	0.000254	0.000249	0.000243	0.000238	0.000233	0.000228	0.000223	0.000218
0.000281	0.000275	0.000269	0.000263	0.000257	0.000251	0.000246	0.000241	0.000235	0.000230
0.000300	0.000294	0.000287	0.000281	0.000275	0.000269	0.000263	0.000257	0.000251	0.000246
0.000323	0.000316	0.000309	0.000302	0.000296	0.000289	0.000283	0.000276	0.000270	0.000264
0.000348	0.000340	0.000333	0.000326	0.000318	0.000311	0.000304	0.000298	0.000291	0.000285
0.000375	0.000367	0.000359	0.000351	0.000343	0.000335	0.000328	0.000321	0.000314	0.000307
0.000405	0.000396	0.000387	0.000378	0.000370	0.000362	0.000354	0.000346	0.000338	0.000331
0.000433	0.000424	0.000414	0.000405	0.000396	0.000387	0.000378	0.000370	0.000361	0.000353
0.000464	0.000453	0.000443	0.000433	0.000423	0.000413	0.000404	0.000395	0.000386	0.000377
0.000495	0.000484	0.000473	0.000462	0.000451	0.000441	0.000431	0.000421	0.000411	0.000402
0.000531	0.000518	0.000506	0.000494	0.000483	0.000472	0.000461	0.000450	0.000439	0.000429
0.000565	0.000552	0.000539	0.000526	0.000513	0.000501	0.000489	0.000478	0.000466	0.000455
0.000604	0.000590	0.000576	0.000562	0.000548	0.000535	0.000522	0.000510	0.000498	0.000486
0.000646	0.000630	0.000615	0.000600	0.000585	0.000571	0.000558	0.000544	0.000531	0.000518
0.000691	0.000674	0.000658	0.000642	0.000626	0.000611	0.000596	0.000582	0.000568	0.000554
0.000739	0.000721	0.000703	0.000686	0.000669	0.000653	0.000637	0.000621	0.000606	0.000591
0.000790	0.000771	0.000752	0.000734	0.000716	0.000698	0.000681	0.000664	0.000648	0.000632

0.000840	0.000819	0.000799	0.000779	0.000760	0.000742	0.000723	0.000706	0.000688	0.000671
0.000893	0.000871	0.000849	0.000828	0.000808	0.000788	0.000768	0.000749	0.000731	0.000713
0.000958	0.000934	0.000911	0.000889	0.000867	0.000845	0.000825	0.000804	0.000784	0.000765
0.001038	0.001012	0.000987	0.000963	0.000939	0.000916	0.000894	0.000872	0.000850	0.000829
0.001148	0.001120	0.001093	0.001066	0.001040	0.001015	0.000990	0.000966	0.000943	0.000920
0.001289	0.001258	0.001228	0.001199	0.001170	0.001142	0.001115	0.001088	0.001062	0.001037
0.001456	0.001422	0.001389	0.001356	0.001324	0.001293	0.001263	0.001234	0.001205	0.001176
0.001635	0.001597	0.001560	0.001524	0.001489	0.001455	0.001421	0.001388	0.001356	0.001325
0.001812	0.001770	0.001730	0.001690	0.001651	0.001613	0.001576	0.001540	0.001505	0.001470
0.001978	0.001933	0.001888	0.001845	0.001802	0.001761	0.001720	0.001681	0.001642	0.001605
0.002141	0.002092	0.002043	0.001996	0.001950	0.001905	0.001860	0.001817	0.001775	0.001734
0.002311	0.002257	0.002204	0.002153	0.002103	0.002053	0.002005	0.001958	0.001913	0.001868
0.002498	0.002439	0.002382	0.002325	0.002270	0.002217	0.002164	0.002113	0.002063	0.002014
0.002711	0.002647	0.002584	0.002522	0.002462	0.002403	0.002346	0.002290	0.002235	0.002182
0.002959	0.002888	0.002818	0.002751	0.002684	0.002620	0.002557	0.002495	0.002435	0.002377
0.003250	0.003171	0.003094	0.003019	0.002946	0.002875	0.002805	0.002737	0.002671	0.002606
0.003596	0.003508	0.003423	0.003340	0.003258	0.003179	0.003102	0.003026	0.002953	0.002881
0.004006	0.003909	0.003814	0.003721	0.003630	0.003542	0.003456	0.003372	0.003290	0.003210
0.004495	0.004386	0.004279	0.004176	0.004074	0.003976	0.003879	0.003785	0.003693	0.003604
0.005065	0.004943	0.004824	0.004707	0.004594	0.004484	0.004376	0.004270	0.004167	0.004067
0.005724	0.005588	0.005455	0.005325	0.005198	0.005074	0.004953	0.004835	0.004720	0.004608
0.006503	0.006351	0.006201	0.006055	0.005913	0.005774	0.005638	0.005506	0.005376	0.005250
0.007436	0.007264	0.007096	0.006932	0.006771	0.006615	0.006462	0.006313	0.006167	0.006024
0.008546	0.008352	0.008162	0.007977	0.007796	0.007619	0.007446	0.007277	0.007111	0.006950
0.009871	0.009652	0.009437	0.009227	0.009021	0.008820	0.008624	0.008432	0.008244	0.008061
0.011453	0.011203	0.010959	0.010721	0.010487	0.010259	0.010035	0.009816	0.009603	0.009393
0.013335	0.013051	0.012774	0.012502	0.012236	0.011976	0.011722	0.011472	0.011228	0.010990
0.015560	0.015238	0.014922	0.014614	0.014311	0.014015	0.013725	0.013441	0.013163	0.012890
0.018201	0.017836	0.017479	0.017128	0.016785	0.016448	0.016118	0.015795	0.015478	0.015168
0.021359	0.020946	0.020541	0.020144	0.019754	0.019372	0.018997	0.018630	0.018270	0.017916
0.025163	0.024697	0.024239	0.023790	0.023349	0.022917	0.022492	0.022075	0.021666	0.021265
0.029749	0.029224	0.028708	0.028201	0.027703	0.027214	0.026734	0.026262	0.025798	0.025342
0.035267	0.034677	0.034097	0.033527	0.032967	0.032415	0.031873	0.031340	0.030816	0.030301
0.041876	0.041217	0.040568	0.039930	0.039301	0.038682	0.038074	0.037474	0.036884	0.036304
0.049778	0.049046	0.048325	0.047614	0.046914	0.046224	0.045544	0.044874	0.044215	0.043564
0.059158	0.058351	0.057555	0.056770	0.055996	0.055232	0.054478	0.053735	0.053002	0.052279
0.070239	0.069359	0.068489	0.067631	0.066783	0.065946	0.065119	0.064303	0.063497	0.062701
0.083244	0.082295	0.081357	0.080429	0.079512	0.078606	0.077710	0.076824	0.075948	0.075082
0.098425	0.097417	0.096419	0.095432	0.094455	0.093488	0.092530	0.091583	0.090645	0.089717
0.115163	0.114109	0.113065	0.112031	0.111006	0.109991	0.108984	0.107987	0.106999	0.106021
0.130559	0.129467	0.128385	0.127311	0.126247	0.125191	0.124145	0.123107	0.122077	0.121057
0.144916	0.143790	0.142672	0.141563	0.140462	0.139371	0.138287	0.137212	0.136146	0.135087
0.159619	0.158463	0.157315	0.156175	0.155044	0.153921	0.152806	0.151699	0.150600	0.149509
0.176034	0.174858	0.173690	0.172530	0.171377	0.170232	0.169095	0.167966	0.166844	0.165729
0.192273	0.191081	0.189895	0.188717	0.187546	0.186383	0.185226	0.184077	0.182935	0.181800
0.208393	0.207186	0.205985	0.204791	0.203604	0.202424	0.201250	0.200084	0.198924	0.197771
0.224411	0.223190	0.221975	0.220766	0.219564	0.218369	0.217180	0.215998	0.214822	0.213653
0.240325	0.239091	0.237862	0.236640	0.235424	0.234215	0.233011	0.231814	0.230623	0.229438
0.272512	0.271488	0.270467	0.269450	0.268436	0.267427	0.266421	0.265419	0.264421	0.263426
0.302045	0.301250	0.300458	0.299667	0.298878	0.298092	0.297307	0.296525	0.295744	0.294966
0.323429	0.322920	0.322411	0.321904	0.321397	0.320891	0.320385	0.319881	0.319377	0.318874
0.344853	0.344652	0.344451	0.344251	0.344050	0.343849	0.343649	0.343449	0.343248	0.343048
0.357970	0.357761	0.357552	0.357344	0.357136	0.356928	0.356719	0.356512	0.356304	0.356096
0.370777	0.370561	0.370345	0.370129	0.369913	0.369697	0.369482	0.369267	0.369051	0.368836
0.383279	0.383055	0.382832	0.382609	0.382386	0.382163	0.381940	0.381718	0.381495	0.381273
0.395480	0.395249	0.395019	0.394789	0.394559	0.394329	0.394099	0.393869	0.393640	0.393410
0.407384	0.407147	0.406910	0.406672	0.406435	0.406198	0.405962	0.405725	0.405489	0.405252
0.418996	0.418752	0.418508	0.418264	0.418020	0.417776	0.417533	0.417289	0.417046	0.416803
0.430318	0.430068	0.429817	0.429566	0.429316	0.429066	0.428816	0.428566	0.428316	0.428066
0.441356	0.441099	0.440842	0.440585	0.440328	0.440071	0.439815	0.439558	0.439302	0.439046
0.452113	0.451849	0.451586	0.451323	0.451060	0.450797	0.450534	0.450271	0.450009	0.449746

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
0.000958	0.000925	0.000894	0.000863	0.000834	0.000806	0.000779	0.000752	0.000727	0.000702
0.000060	0.000058	0.000055	0.000053	0.000051	0.000049	0.000047	0.000046	0.000044	0.000042
0.000037	0.000036	0.000034	0.000033	0.000032	0.000031	0.000030	0.000029	0.000028	0.000027
0.000025	0.000024	0.000023	0.000022	0.000021	0.000021	0.000020	0.000019	0.000018	0.000018
0.000020	0.000020	0.000019	0.000018	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015
0.000018	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013
0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011
0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000010	0.000010	0.000010
0.000013	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009
0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010
0.000014	0.000013	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010
0.000017	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013
0.000020	0.000019	0.000019	0.000018	0.000018	0.000017	0.000016	0.000016	0.000015	0.000015
0.000023	0.000023	0.000022	0.000021	0.000021	0.000020	0.000019	0.000019	0.000018	0.000017
0.000029	0.000028	0.000027	0.000027	0.000026	0.000025	0.000024	0.000023	0.000023	0.000022
0.000042	0.000041	0.000040	0.000039	0.000037	0.000036	0.000035	0.000034	0.000033	0.000032
0.000073	0.000071	0.000069	0.000067	0.000065	0.000063	0.000062	0.000060	0.000058	0.000057
0.000115	0.000112	0.000110	0.000107	0.000104	0.000102	0.000099	0.000097	0.000094	0.000092
0.000148	0.000144	0.000141	0.000137	0.000134	0.000131	0.000128	0.000125	0.000122	0.000119
0.000174	0.000170	0.000166	0.000162	0.000158	0.000155	0.000151	0.000147	0.000144	0.000141
0.000198	0.000194	0.000190	0.000185	0.000181	0.000177	0.000173	0.000169	0.000165	0.000161
0.000233	0.000228	0.000223	0.000218	0.000214	0.000209	0.000205	0.000201	0.000196	0.000192
0.000258	0.000253	0.000248	0.000243	0.000239	0.000234	0.000230	0.000225	0.000221	0.000217
0.000280	0.000275	0.000270	0.000265	0.000260	0.000256	0.000251	0.000247	0.000242	0.000238
0.000310	0.000305	0.000301	0.000296	0.000291	0.000287	0.000282	0.000278	0.000274	0.000269
0.000339	0.000334	0.000329	0.000324	0.000320	0.000315	0.000310	0.000306	0.000302	0.000297
0.000371	0.000366	0.000361	0.000356	0.000352	0.000347	0.000342	0.000337	0.000333	0.000328
0.000415	0.000410	0.000404	0.000399	0.000394	0.000389	0.000384	0.000379	0.000374	0.000369
0.000469	0.000464	0.000458	0.000453	0.000447	0.000442	0.000437	0.000432	0.000427	0.000422
0.000525	0.000519	0.000513	0.000507	0.000502	0.000496	0.000491	0.000485	0.000480	0.000475
0.000577	0.000571	0.000565	0.000559	0.000553	0.000547	0.000542	0.000536	0.000530	0.000525
0.000603	0.000597	0.000590	0.000584	0.000578	0.000571	0.000565	0.000559	0.000553	0.000547
0.000627	0.000620	0.000613	0.000606	0.000599	0.000592	0.000586	0.000579	0.000572	0.000566
0.000628	0.000620	0.000612	0.000605	0.000597	0.000590	0.000583	0.000576	0.000569	0.000562
0.000621	0.000613	0.000604	0.000596	0.000589	0.000581	0.000573	0.000566	0.000558	0.000551
0.000603	0.000594	0.000585	0.000577	0.000569	0.000560	0.000552	0.000544	0.000537	0.000529
0.000580	0.000571	0.000562	0.000553	0.000544	0.000536	0.000527	0.000519	0.000511	0.000503
0.000561	0.000552	0.000542	0.000533	0.000524	0.000516	0.000507	0.000498	0.000490	0.000482
0.000547	0.000537	0.000528	0.000518	0.000509	0.000500	0.000491	0.000482	0.000473	0.000465
0.000544	0.000534	0.000524	0.000514	0.000504	0.000495	0.000486	0.000476	0.000468	0.000459
0.000548	0.000538	0.000527	0.000517	0.000507	0.000497	0.000487	0.000478	0.000469	0.000460
0.000560	0.000548	0.000537	0.000527	0.000516	0.000506	0.000496	0.000486	0.000476	0.000467
0.000573	0.000562	0.000550	0.000539	0.000528	0.000517	0.000506	0.000496	0.000485	0.000475
0.000595	0.000582	0.000570	0.000558	0.000546	0.000535	0.000524	0.000512	0.000502	0.000491
0.000617	0.000604	0.000591	0.000578	0.000566	0.000554	0.000542	0.000530	0.000519	0.000507
0.000643	0.000629	0.000615	0.000601	0.000588	0.000575	0.000562	0.000550	0.000538	0.000526
0.000671	0.000656	0.000641	0.000626	0.000612	0.000599	0.000585	0.000572	0.000559	0.000546
0.000700	0.000683	0.000668	0.000652	0.000637	0.000622	0.000608	0.000594	0.000580	0.000567
0.000728	0.000710	0.000694	0.000677	0.000661	0.000646	0.000630	0.000615	0.000601	0.000587
0.000756	0.000737	0.000719	0.000702	0.000685	0.000668	0.000652	0.000636	0.000621	0.000606
0.000783	0.000763	0.000744	0.000726	0.000708	0.000690	0.000673	0.000656	0.000640	0.000624
0.000812	0.000792	0.000771	0.000752	0.000733	0.000714	0.000696	0.000678	0.000660	0.000644
0.000844	0.000822	0.000800	0.000780	0.000759	0.000739	0.000720	0.000701	0.000683	0.000665
0.000883	0.000860	0.000837	0.000814	0.000793	0.000771	0.000751	0.000731	0.000711	0.000692
0.000933	0.000908	0.000883	0.000859	0.000836	0.000813	0.000791	0.000769	0.000749	0.000728

0.000993	0.000966	0.000939	0.000914	0.000888	0.000864	0.000840	0.000817	0.000794	0.000773
0.001069	0.001040	0.001011	0.000983	0.000955	0.000929	0.000903	0.000878	0.000854	0.000830
0.001160	0.001128	0.001096	0.001066	0.001036	0.001007	0.000979	0.000951	0.000925	0.000899
0.001269	0.001233	0.001199	0.001165	0.001132	0.001100	0.001070	0.001039	0.001010	0.000982
0.001398	0.001358	0.001320	0.001283	0.001247	0.001212	0.001178	0.001145	0.001112	0.001081
0.001546	0.001503	0.001461	0.001419	0.001380	0.001341	0.001303	0.001266	0.001231	0.001196
0.001719	0.001670	0.001624	0.001578	0.001534	0.001491	0.001449	0.001408	0.001369	0.001330
0.001914	0.001861	0.001809	0.001758	0.001709	0.001661	0.001615	0.001570	0.001526	0.001483
0.002140	0.002080	0.002022	0.001966	0.001912	0.001858	0.001807	0.001757	0.001708	0.001660
0.002395	0.002329	0.002265	0.002203	0.002142	0.002083	0.002025	0.001969	0.001915	0.001862
0.002686	0.002612	0.002541	0.002471	0.002404	0.002338	0.002274	0.002212	0.002152	0.002093
0.003013	0.002931	0.002852	0.002775	0.002700	0.002627	0.002556	0.002487	0.002420	0.002355
0.003367	0.003277	0.003190	0.003104	0.003022	0.002941	0.002862	0.002786	0.002711	0.002639
0.003698	0.003600	0.003504	0.003411	0.003321	0.003232	0.003147	0.003063	0.002982	0.002902
0.004054	0.003947	0.003843	0.003741	0.003642	0.003546	0.003452	0.003361	0.003272	0.003186
0.004501	0.004383	0.004269	0.004157	0.004048	0.003942	0.003839	0.003739	0.003641	0.003545
0.005070	0.004939	0.004812	0.004688	0.004567	0.004450	0.004335	0.004223	0.004115	0.004009
0.005788	0.005642	0.005500	0.005361	0.005226	0.005094	0.004966	0.004841	0.004719	0.004600
0.006687	0.006523	0.006364	0.006208	0.006056	0.005907	0.005762	0.005621	0.005483	0.005349
0.007807	0.007622	0.007441	0.007265	0.007093	0.006925	0.006761	0.006601	0.006444	0.006292
0.009185	0.008976	0.008771	0.008571	0.008376	0.008185	0.007998	0.007816	0.007638	0.007464
0.010866	0.010629	0.010397	0.010170	0.009948	0.009731	0.009518	0.009310	0.009107	0.008908
0.012898	0.012629	0.012366	0.012108	0.011856	0.011609	0.011367	0.011130	0.010899	0.010672
0.015326	0.015022	0.014725	0.014433	0.014147	0.013867	0.013592	0.013323	0.013059	0.012800
0.018171	0.017829	0.017493	0.017164	0.016841	0.016524	0.016213	0.015907	0.015608	0.015314
0.021458	0.021073	0.020695	0.020324	0.019960	0.019602	0.019251	0.018906	0.018567	0.018234
0.025206	0.024775	0.024351	0.023934	0.023525	0.023122	0.022727	0.022338	0.021956	0.021580
0.029438	0.028956	0.028481	0.028015	0.027557	0.027105	0.026662	0.026225	0.025796	0.025373
0.034197	0.033661	0.033132	0.032612	0.032100	0.031597	0.031101	0.030613	0.030132	0.029659
0.039537	0.038942	0.038355	0.037778	0.037209	0.036649	0.036097	0.035553	0.035018	0.034491
0.045530	0.044873	0.044226	0.043588	0.042959	0.042340	0.041729	0.041127	0.040534	0.039949
0.052264	0.051544	0.050834	0.050134	0.049443	0.048762	0.048090	0.047428	0.046774	0.046130
0.060025	0.059240	0.058465	0.057701	0.056947	0.056202	0.055467	0.054742	0.054026	0.053320
0.070001	0.069148	0.068306	0.067474	0.066652	0.065840	0.065038	0.064246	0.063463	0.062690
0.083291	0.082371	0.081461	0.080560	0.079670	0.078790	0.077919	0.077058	0.076206	0.075364
0.098930	0.097950	0.096980	0.096019	0.095068	0.094126	0.093194	0.092271	0.091357	0.090452
0.115139	0.114109	0.113089	0.112077	0.111075	0.110082	0.109097	0.108121	0.107155	0.106196
0.130296	0.129222	0.128157	0.127100	0.126052	0.125013	0.123983	0.122960	0.121947	0.120941
0.144313	0.143195	0.142086	0.140985	0.139893	0.138810	0.137735	0.136668	0.135609	0.134559
0.157525	0.156363	0.155209	0.154064	0.152927	0.151798	0.150678	0.149567	0.148463	0.147368
0.170334	0.169126	0.167927	0.166736	0.165554	0.164380	0.163215	0.162058	0.160909	0.159768
0.183151	0.181898	0.180654	0.179417	0.178190	0.176970	0.175759	0.174557	0.173362	0.172176
0.195947	0.194647	0.193356	0.192073	0.190799	0.189533	0.188276	0.187027	0.185786	0.184554
0.209012	0.207665	0.206327	0.204998	0.203676	0.202364	0.201060	0.199764	0.198477	0.197198
0.222350	0.220955	0.219568	0.218190	0.216820	0.215460	0.214108	0.212764	0.211429	0.210102
0.235520	0.234076	0.232642	0.231216	0.229799	0.228391	0.226992	0.225601	0.224218	0.222844
0.263522	0.262199	0.260883	0.259573	0.258270	0.256973	0.255683	0.254400	0.253122	0.251852
0.289473	0.288288	0.287108	0.285932	0.284762	0.283596	0.282436	0.281279	0.280128	0.278981
0.316331	0.315313	0.314299	0.313288	0.312280	0.311276	0.310274	0.309276	0.308281	0.307290
0.336595	0.335792	0.334991	0.334191	0.333394	0.332598	0.331804	0.331012	0.330222	0.329434
0.357002	0.356432	0.355862	0.355293	0.354725	0.354157	0.353591	0.353026	0.352461	0.351898
0.377519	0.377198	0.376878	0.376557	0.376237	0.375917	0.375597	0.375277	0.374958	0.374639
0.398116	0.398061	0.398005	0.397950	0.397895	0.397840	0.397785	0.397729	0.397674	0.397619
0.410953	0.410951	0.410949	0.410947	0.410945	0.410943	0.410941	0.410939	0.410937	0.410934
0.421708	0.421706	0.421704	0.421702	0.421700	0.421698	0.421696	0.421693	0.421691	0.421689
0.432229	0.432227	0.432224	0.432222	0.432220	0.432218	0.432216	0.432213	0.432211	0.432209
0.442517	0.442515	0.442513	0.442510	0.442508	0.442506	0.442504	0.442501	0.442499	0.442497
0.452576	0.452574	0.452572	0.452569	0.452567	0.452565	0.452562	0.452560	0.452558	0.452556
0.462409	0.462407	0.462404	0.462402	0.462400	0.462397	0.462395	0.462392	0.462390	0.462388
0.472018	0.472016	0.472013	0.472011	0.472008	0.472006	0.472004	0.472001	0.471999	0.471996
0.481406	0.481404	0.481401	0.481399	0.481397	0.481394	0.481392	0.481389	0.481387	0.481384

0.490577	0.490574	0.490572	0.490569	0.490567	0.490564	0.490562	0.490559	0.490557	0.490554
0.499532	0.499529	0.499527	0.499524	0.499522	0.499519	0.499517	0.499514	0.499512	0.499509
0.508275	0.508272	0.508270	0.508267	0.508265	0.508262	0.508259	0.508257	0.508254	0.508252
0.516808	0.516806	0.516803	0.516801	0.516798	0.516795	0.516793	0.516790	0.516787	0.516785
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
0.000897	0.000868	0.000840	0.000813	0.000787	0.000762	0.000737	0.000714	0.000691	0.000668
0.000043	0.000041	0.000040	0.000038	0.000037	0.000035	0.000034	0.000033	0.000031	0.000030
0.000031	0.000030	0.000029	0.000028	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022
0.000028	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000022	0.000021	0.000020
0.000021	0.000021	0.000020	0.000019	0.000018	0.000018	0.000017	0.000017	0.000016	0.000015
0.000020	0.000020	0.000019	0.000018	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015
0.000017	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013
0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010
0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009
0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008
0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009
0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000011
0.000018	0.000017	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000014
0.000027	0.000027	0.000026	0.000026	0.000025	0.000024	0.000024	0.000023	0.000023	0.000022
0.000044	0.000043	0.000042	0.000041	0.000041	0.000040	0.000039	0.000038	0.000037	0.000036
0.000062	0.000061	0.000060	0.000059	0.000058	0.000056	0.000055	0.000054	0.000053	0.000052
0.000079	0.000077	0.000076	0.000074	0.000073	0.000071	0.000070	0.000069	0.000067	0.000066
0.000086	0.000085	0.000083	0.000082	0.000080	0.000078	0.000077	0.000075	0.000074	0.000072
0.000090	0.000088	0.000086	0.000084	0.000082	0.000081	0.000079	0.000077	0.000076	0.000074
0.000095	0.000093	0.000091	0.000089	0.000087	0.000086	0.000084	0.000082	0.000081	0.000079
0.000096	0.000094	0.000093	0.000091	0.000089	0.000087	0.000085	0.000084	0.000082	0.000080
0.000097	0.000095	0.000093	0.000091	0.000089	0.000088	0.000086	0.000084	0.000082	0.000081
0.000098	0.000096	0.000094	0.000092	0.000090	0.000088	0.000086	0.000085	0.000083	0.000081
0.000099	0.000097	0.000096	0.000094	0.000092	0.000090	0.000088	0.000086	0.000085	0.000083
0.000104	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092	0.000090	0.000089	0.000087
0.000110	0.000108	0.000106	0.000104	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092
0.000119	0.000117	0.000115	0.000113	0.000110	0.000108	0.000106	0.000104	0.000102	0.000100
0.000133	0.000131	0.000128	0.000126	0.000124	0.000121	0.000119	0.000117	0.000115	0.000113
0.000145	0.000142	0.000140	0.000137	0.000135	0.000132	0.000130	0.000127	0.000125	0.000122
0.000154	0.000152	0.000149	0.000146	0.000143	0.000140	0.000138	0.000135	0.000133	0.000130
0.000160	0.000157	0.000154	0.000151	0.000148	0.000145	0.000142	0.000139	0.000137	0.000134
0.000164	0.000161	0.000158	0.000155	0.000152	0.000149	0.000146	0.000143	0.000140	0.000137
0.000173	0.000169	0.000166	0.000162	0.000159	0.000156	0.000153	0.000150	0.000147	0.000144
0.000180	0.000176	0.000173	0.000169	0.000166	0.000162	0.000159	0.000156	0.000152	0.000149
0.000191	0.000187	0.000183	0.000179	0.000175	0.000172	0.000168	0.000165	0.000161	0.000158
0.000202	0.000198	0.000193	0.000189	0.000185	0.000181	0.000178	0.000174	0.000170	0.000167
0.000214	0.000209	0.000205	0.000200	0.000196	0.000192	0.000188	0.000184	0.000180	0.000176
0.000225	0.000220	0.000215	0.000211	0.000206	0.000202	0.000197	0.000193	0.000189	0.000185
0.000240	0.000235	0.000230	0.000225	0.000220	0.000215	0.000210	0.000206	0.000201	0.000197
0.000259	0.000253	0.000247	0.000242	0.000237	0.000231	0.000226	0.000221	0.000216	0.000212
0.000278	0.000272	0.000266	0.000260	0.000255	0.000249	0.000243	0.000238	0.000233	0.000228
0.000300	0.000293	0.000287	0.000280	0.000274	0.000268	0.000262	0.000256	0.000251	0.000245
0.000323	0.000316	0.000309	0.000302	0.000296	0.000289	0.000283	0.000276	0.000270	0.000264
0.000345	0.000338	0.000330	0.000323	0.000315	0.000308	0.000301	0.000295	0.000288	0.000282
0.000369	0.000360	0.000352	0.000344	0.000336	0.000329	0.000321	0.000314	0.000307	0.000300
0.000392	0.000383	0.000375	0.000366	0.000358	0.000349	0.000341	0.000333	0.000326	0.000318
0.000419	0.000409	0.000400	0.000391	0.000381	0.000373	0.000364	0.000355	0.000347	0.000339
0.000444	0.000434	0.000424	0.000414	0.000404	0.000394	0.000385	0.000376	0.000367	0.000358
0.000474	0.000463	0.000452	0.000441	0.000430	0.000420	0.000410	0.000400	0.000390	0.000381
0.000506	0.000493	0.000482	0.000470	0.000459	0.000448	0.000437	0.000426	0.000416	0.000406
0.000541	0.000528	0.000515	0.000502	0.000490	0.000478	0.000467	0.000455	0.000444	0.000433
0.000577	0.000563	0.000549	0.000536	0.000523	0.000510	0.000498	0.000485	0.000474	0.000462
0.000617	0.000602	0.000587	0.000573	0.000559	0.000545	0.000532	0.000519	0.000506	0.000494

0.000655	0.000639	0.000623	0.000608	0.000593	0.000578	0.000564	0.000550	0.000536	0.000523
0.000695	0.000678	0.000661	0.000645	0.000629	0.000613	0.000598	0.000583	0.000569	0.000555
0.000746	0.000728	0.000710	0.000692	0.000675	0.000658	0.000642	0.000626	0.000611	0.000596
0.000809	0.000789	0.000769	0.000750	0.000732	0.000714	0.000696	0.000679	0.000662	0.000646
0.000898	0.000876	0.000854	0.000834	0.000813	0.000794	0.000774	0.000755	0.000737	0.000719
0.001012	0.000988	0.000965	0.000941	0.000919	0.000897	0.000876	0.000855	0.000834	0.000814
0.001149	0.001122	0.001096	0.001070	0.001045	0.001020	0.000996	0.000973	0.000950	0.000928
0.001294	0.001264	0.001235	0.001207	0.001179	0.001152	0.001125	0.001099	0.001074	0.001049
0.001437	0.001404	0.001371	0.001340	0.001309	0.001279	0.001250	0.001221	0.001193	0.001166
0.001568	0.001532	0.001496	0.001462	0.001428	0.001396	0.001363	0.001332	0.001301	0.001272
0.001694	0.001655	0.001616	0.001579	0.001542	0.001507	0.001472	0.001438	0.001404	0.001372
0.001824	0.001782	0.001740	0.001699	0.001659	0.001621	0.001583	0.001546	0.001510	0.001474
0.001967	0.001920	0.001875	0.001831	0.001787	0.001745	0.001704	0.001664	0.001624	0.001586
0.002130	0.002079	0.002029	0.001981	0.001934	0.001887	0.001842	0.001798	0.001756	0.001714
0.002320	0.002264	0.002210	0.002156	0.002105	0.002054	0.002005	0.001956	0.001909	0.001863
0.002543	0.002481	0.002421	0.002362	0.002305	0.002249	0.002195	0.002142	0.002090	0.002039
0.002811	0.002743	0.002676	0.002611	0.002547	0.002485	0.002425	0.002366	0.002308	0.002252
0.003132	0.003056	0.002981	0.002909	0.002838	0.002769	0.002701	0.002636	0.002572	0.002509
0.003516	0.003431	0.003348	0.003267	0.003188	0.003110	0.003035	0.002961	0.002890	0.002819
0.003969	0.003874	0.003780	0.003689	0.003601	0.003514	0.003429	0.003347	0.003266	0.003187
0.004498	0.004391	0.004286	0.004184	0.004084	0.003987	0.003892	0.003799	0.003709	0.003621
0.005127	0.005006	0.004888	0.004773	0.004661	0.004552	0.004445	0.004340	0.004238	0.004138
0.005885	0.005749	0.005616	0.005486	0.005359	0.005235	0.005114	0.004996	0.004880	0.004768
0.006792	0.006638	0.006487	0.006340	0.006196	0.006055	0.005918	0.005783	0.005652	0.005524
0.007881	0.007706	0.007534	0.007367	0.007203	0.007042	0.006885	0.006732	0.006582	0.006436
0.009189	0.008989	0.008793	0.008601	0.008414	0.008230	0.008051	0.007876	0.007704	0.007536
0.010756	0.010527	0.010304	0.010085	0.009870	0.009660	0.009455	0.009254	0.009057	0.008865
0.012624	0.012362	0.012107	0.011856	0.011611	0.011370	0.011135	0.010905	0.010679	0.010458
0.014864	0.014566	0.014273	0.013987	0.013707	0.013432	0.013162	0.012898	0.012640	0.012386
0.017570	0.017230	0.016897	0.016570	0.016250	0.015936	0.015627	0.015325	0.015029	0.014738
0.020870	0.020484	0.020104	0.019732	0.019366	0.019007	0.018655	0.018309	0.017970	0.017637
0.024895	0.024455	0.024024	0.023600	0.023183	0.022774	0.022372	0.021977	0.021589	0.021207
0.029795	0.029296	0.028806	0.028325	0.027851	0.027386	0.026928	0.026477	0.026035	0.025599
0.035732	0.035170	0.034616	0.034071	0.033535	0.033007	0.032488	0.031976	0.031473	0.030978
0.042924	0.042292	0.041670	0.041058	0.040454	0.039859	0.039273	0.038695	0.038126	0.037565
0.051566	0.050863	0.050169	0.049485	0.048810	0.048144	0.047488	0.046840	0.046201	0.045571
0.061915	0.061139	0.060372	0.059615	0.058868	0.058130	0.057401	0.056682	0.055971	0.055270
0.074226	0.073380	0.072543	0.071716	0.070898	0.070090	0.069291	0.068501	0.067720	0.066948
0.088798	0.087889	0.086989	0.086098	0.085217	0.084344	0.083480	0.082626	0.081780	0.080942
0.105051	0.104090	0.103137	0.102194	0.101259	0.100333	0.099415	0.098505	0.097604	0.096711
0.120045	0.119041	0.118046	0.117059	0.116080	0.115110	0.114147	0.113193	0.112246	0.111308
0.134037	0.132995	0.131961	0.130935	0.129918	0.128908	0.127906	0.126911	0.125925	0.124946
0.148426	0.147351	0.146284	0.145224	0.144172	0.143128	0.142091	0.141062	0.140040	0.139025
0.164622	0.163523	0.162430	0.161345	0.160268	0.159197	0.158134	0.157077	0.156028	0.154986
0.180672	0.179551	0.178437	0.177330	0.176230	0.175137	0.174050	0.172970	0.171897	0.170831
0.196625	0.195485	0.194352	0.193226	0.192106	0.190992	0.189885	0.188785	0.187691	0.186603
0.212490	0.211333	0.210183	0.209038	0.207901	0.206769	0.205643	0.204524	0.203410	0.202303
0.228259	0.227086	0.225919	0.224759	0.223604	0.222455	0.221312	0.220175	0.219044	0.217918
0.262436	0.261449	0.260466	0.259486	0.258510	0.257538	0.256569	0.255605	0.254643	0.253686
0.294190	0.293415	0.292643	0.291873	0.291105	0.290339	0.289575	0.288813	0.288053	0.287294
0.318372	0.317870	0.317370	0.316870	0.316371	0.315873	0.315375	0.314878	0.314383	0.313887
0.342848	0.342649	0.342449	0.342249	0.342050	0.341850	0.341651	0.341452	0.341253	0.341054
0.355889	0.355681	0.355474	0.355267	0.355059	0.354853	0.354646	0.354439	0.354232	0.354026
0.368621	0.368406	0.368192	0.367977	0.367762	0.367548	0.367334	0.367120	0.366906	0.366692
0.381051	0.380828	0.380607	0.380385	0.380163	0.379941	0.379720	0.379499	0.379277	0.379056
0.393181	0.392952	0.392723	0.392494	0.392265	0.392036	0.391808	0.391579	0.391351	0.391123
0.405016	0.404780	0.404544	0.404308	0.404073	0.403837	0.403602	0.403366	0.403131	0.402896
0.416560	0.416317	0.416075	0.415832	0.415590	0.415347	0.415105	0.414863	0.414622	0.414380
0.427817	0.427567	0.427318	0.427069	0.426820	0.426571	0.426323	0.426074	0.425826	0.425578
0.438790	0.438534	0.438279	0.438023	0.437768	0.437513	0.437258	0.437003	0.436748	0.436494
0.449484	0.449222	0.448961	0.448699	0.448437	0.448176	0.447915	0.447654	0.447393	0.447132

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
0.000678	0.000655	0.000633	0.000611	0.000591	0.000571	0.000551	0.000533	0.000515	0.000497
0.000041	0.000039	0.000038	0.000036	0.000035	0.000033	0.000032	0.000031	0.000030	0.000029
0.000026	0.000025	0.000024	0.000023	0.000023	0.000022	0.000021	0.000020	0.000020	0.000019
0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000012
0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000010
0.000012	0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009
0.000011	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008
0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000006
0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
0.000010	0.000009	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007
0.000012	0.000012	0.000012	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009
0.000014	0.000014	0.000013	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011
0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000014	0.000013	0.000013
0.000021	0.000021	0.000020	0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000016
0.000031	0.000030	0.000029	0.000028	0.000027	0.000027	0.000026	0.000025	0.000024	0.000023
0.000055	0.000054	0.000052	0.000051	0.000049	0.000048	0.000047	0.000045	0.000044	0.000043
0.000090	0.000087	0.000085	0.000083	0.000081	0.000079	0.000077	0.000075	0.000073	0.000071
0.000116	0.000113	0.000110	0.000108	0.000105	0.000103	0.000100	0.000098	0.000096	0.000093
0.000137	0.000134	0.000131	0.000128	0.000125	0.000122	0.000119	0.000116	0.000113	0.000111
0.000158	0.000154	0.000150	0.000147	0.000144	0.000140	0.000137	0.000134	0.000131	0.000128
0.000188	0.000184	0.000180	0.000177	0.000173	0.000169	0.000166	0.000162	0.000159	0.000155
0.000212	0.000208	0.000204	0.000200	0.000196	0.000193	0.000189	0.000185	0.000182	0.000178
0.000234	0.000230	0.000225	0.000221	0.000218	0.000214	0.000210	0.000206	0.000202	0.000199
0.000265	0.000261	0.000257	0.000253	0.000249	0.000245	0.000241	0.000237	0.000234	0.000230
0.000293	0.000289	0.000285	0.000280	0.000276	0.000272	0.000269	0.000265	0.000261	0.000257
0.000324	0.000319	0.000315	0.000311	0.000306	0.000302	0.000298	0.000294	0.000290	0.000286
0.000365	0.000360	0.000355	0.000351	0.000346	0.000342	0.000337	0.000333	0.000329	0.000325
0.000417	0.000412	0.000407	0.000402	0.000397	0.000392	0.000388	0.000383	0.000379	0.000374
0.000469	0.000464	0.000459	0.000454	0.000449	0.000444	0.000439	0.000434	0.000429	0.000425
0.000519	0.000514	0.000508	0.000503	0.000498	0.000492	0.000487	0.000482	0.000477	0.000472
0.000541	0.000535	0.000529	0.000523	0.000518	0.000512	0.000506	0.000501	0.000495	0.000490
0.000560	0.000553	0.000547	0.000541	0.000535	0.000529	0.000523	0.000517	0.000511	0.000505
0.000555	0.000548	0.000541	0.000535	0.000528	0.000522	0.000515	0.000509	0.000503	0.000496
0.000543	0.000536	0.000529	0.000522	0.000515	0.000509	0.000502	0.000495	0.000489	0.000482
0.000521	0.000514	0.000506	0.000499	0.000492	0.000485	0.000478	0.000471	0.000464	0.000457
0.000495	0.000488	0.000480	0.000472	0.000465	0.000458	0.000451	0.000444	0.000437	0.000430
0.000474	0.000466	0.000458	0.000450	0.000443	0.000435	0.000428	0.000421	0.000414	0.000407
0.000457	0.000448	0.000440	0.000432	0.000425	0.000417	0.000410	0.000402	0.000395	0.000388
0.000450	0.000442	0.000433	0.000425	0.000417	0.000409	0.000402	0.000394	0.000387	0.000380
0.000451	0.000442	0.000433	0.000425	0.000417	0.000408	0.000401	0.000393	0.000385	0.000378
0.000457	0.000448	0.000439	0.000430	0.000422	0.000413	0.000405	0.000397	0.000389	0.000381
0.000466	0.000456	0.000447	0.000437	0.000428	0.000420	0.000411	0.000402	0.000394	0.000386
0.000481	0.000471	0.000461	0.000451	0.000441	0.000432	0.000423	0.000414	0.000405	0.000397
0.000497	0.000486	0.000475	0.000465	0.000455	0.000445	0.000436	0.000426	0.000417	0.000408
0.000514	0.000503	0.000492	0.000481	0.000470	0.000460	0.000450	0.000440	0.000430	0.000421
0.000534	0.000522	0.000510	0.000499	0.000488	0.000477	0.000466	0.000455	0.000445	0.000435
0.000554	0.000541	0.000528	0.000516	0.000504	0.000493	0.000481	0.000470	0.000459	0.000449
0.000573	0.000559	0.000546	0.000533	0.000520	0.000508	0.000496	0.000484	0.000473	0.000462
0.000591	0.000577	0.000563	0.000549	0.000536	0.000522	0.000510	0.000497	0.000485	0.000474
0.000608	0.000593	0.000578	0.000564	0.000550	0.000536	0.000523	0.000510	0.000497	0.000485
0.000627	0.000611	0.000595	0.000580	0.000565	0.000551	0.000537	0.000523	0.000510	0.000497
0.000647	0.000631	0.000614	0.000598	0.000582	0.000567	0.000552	0.000538	0.000524	0.000510
0.000674	0.000656	0.000638	0.000621	0.000605	0.000588	0.000573	0.000557	0.000542	0.000528
0.000708	0.000689	0.000670	0.000652	0.000635	0.000617	0.000601	0.000584	0.000568	0.000553

0.000751	0.000731	0.000710	0.000691	0.000672	0.000653	0.000635	0.000618	0.000601	0.000584
0.000807	0.000784	0.000763	0.000741	0.000721	0.000701	0.000681	0.000662	0.000644	0.000626
0.000874	0.000849	0.000825	0.000802	0.000780	0.000758	0.000737	0.000716	0.000696	0.000677
0.000954	0.000927	0.000901	0.000876	0.000851	0.000827	0.000804	0.000782	0.000760	0.000738
0.001051	0.001021	0.000992	0.000964	0.000937	0.000911	0.000885	0.000860	0.000836	0.000813
0.001162	0.001130	0.001098	0.001067	0.001037	0.001008	0.000980	0.000952	0.000925	0.000899
0.001293	0.001257	0.001221	0.001187	0.001154	0.001121	0.001090	0.001059	0.001030	0.001001
0.001442	0.001401	0.001362	0.001324	0.001287	0.001251	0.001216	0.001182	0.001149	0.001117
0.001614	0.001569	0.001526	0.001483	0.001442	0.001402	0.001363	0.001325	0.001288	0.001253
0.001811	0.001761	0.001712	0.001665	0.001619	0.001575	0.001531	0.001489	0.001448	0.001408
0.002036	0.001980	0.001926	0.001874	0.001822	0.001773	0.001724	0.001677	0.001631	0.001587
0.002291	0.002229	0.002169	0.002110	0.002053	0.001998	0.001944	0.001891	0.001840	0.001791
0.002569	0.002500	0.002433	0.002368	0.002305	0.002243	0.002183	0.002125	0.002068	0.002013
0.002825	0.002750	0.002677	0.002606	0.002537	0.002469	0.002404	0.002340	0.002278	0.002217
0.003101	0.003020	0.002940	0.002862	0.002786	0.002713	0.002641	0.002571	0.002503	0.002437
0.003453	0.003362	0.003274	0.003189	0.003105	0.003024	0.002945	0.002868	0.002793	0.002720
0.003906	0.003805	0.003707	0.003611	0.003518	0.003428	0.003340	0.003254	0.003170	0.003088
0.004484	0.004371	0.004261	0.004153	0.004049	0.003947	0.003847	0.003750	0.003656	0.003564
0.005218	0.005090	0.004965	0.004844	0.004725	0.004609	0.004496	0.004386	0.004279	0.004174
0.006142	0.005997	0.005855	0.005716	0.005581	0.005448	0.005319	0.005193	0.005070	0.004950
0.007294	0.007128	0.006965	0.006806	0.006651	0.006500	0.006351	0.006207	0.006065	0.005927
0.008714	0.008524	0.008337	0.008155	0.007977	0.007803	0.007633	0.007466	0.007303	0.007144
0.010449	0.010232	0.010019	0.009810	0.009605	0.009405	0.009209	0.009018	0.008830	0.008646
0.012547	0.012298	0.012054	0.011816	0.011582	0.011352	0.011127	0.010907	0.010691	0.010479
0.015025	0.014742	0.014465	0.014192	0.013925	0.013663	0.013406	0.013153	0.012905	0.012662
0.017907	0.017586	0.017271	0.016961	0.016657	0.016358	0.016065	0.015777	0.015494	0.015216
0.021211	0.020848	0.020491	0.020141	0.019796	0.019458	0.019125	0.018797	0.018476	0.018160
0.024958	0.024549	0.024147	0.023752	0.023363	0.022981	0.022604	0.022234	0.021870	0.021512
0.029194	0.028735	0.028284	0.027840	0.027403	0.026973	0.026550	0.026133	0.025723	0.025319
0.033971	0.033460	0.032956	0.032460	0.031971	0.031489	0.031015	0.030548	0.030088	0.029635
0.039373	0.038805	0.038245	0.037693	0.037150	0.036614	0.036086	0.035565	0.035052	0.034546
0.045494	0.044868	0.044249	0.043640	0.043039	0.042446	0.041861	0.041284	0.040716	0.040155
0.052623	0.051934	0.051255	0.050585	0.049924	0.049271	0.048627	0.047991	0.047364	0.046744
0.061926	0.061172	0.060427	0.059691	0.058964	0.058245	0.057536	0.056835	0.056143	0.055459
0.074531	0.073707	0.072893	0.072087	0.071291	0.070503	0.069724	0.068953	0.068191	0.067437
0.089556	0.088668	0.087790	0.086920	0.086059	0.085207	0.084363	0.083527	0.082700	0.081880
0.105247	0.104305	0.103373	0.102448	0.101532	0.100624	0.099724	0.098832	0.097948	0.097072
0.119944	0.118955	0.117975	0.117002	0.116037	0.115081	0.114132	0.113191	0.112258	0.111332
0.133516	0.132482	0.131456	0.130438	0.129427	0.128425	0.127430	0.126443	0.125463	0.124492
0.146280	0.145201	0.144130	0.143066	0.142010	0.140963	0.139923	0.138890	0.137865	0.136848
0.158635	0.157510	0.156394	0.155285	0.154184	0.153091	0.152005	0.150928	0.149858	0.148795
0.170998	0.169828	0.168666	0.167512	0.166365	0.165227	0.164096	0.162973	0.161858	0.160751
0.183330	0.182114	0.180905	0.179705	0.178513	0.177329	0.176153	0.174984	0.173823	0.172670
0.195927	0.194665	0.193410	0.192164	0.190925	0.189695	0.188473	0.187258	0.186051	0.184852
0.208783	0.207473	0.206171	0.204877	0.203591	0.202313	0.201044	0.199782	0.198528	0.197282
0.221478	0.220121	0.218772	0.217432	0.216099	0.214775	0.213459	0.212151	0.210850	0.209558
0.250587	0.249329	0.248077	0.246832	0.245593	0.244360	0.243133	0.241912	0.240698	0.239490
0.277839	0.276702	0.275569	0.274441	0.273318	0.272199	0.271085	0.269975	0.268870	0.267770
0.306301	0.305316	0.304334	0.303355	0.302379	0.301406	0.300437	0.299470	0.298507	0.297547
0.328648	0.327864	0.327081	0.326301	0.325522	0.324745	0.323970	0.323197	0.322426	0.321656
0.351335	0.350773	0.350213	0.349653	0.349094	0.348535	0.347978	0.347422	0.346866	0.346312
0.374321	0.374002	0.373684	0.373366	0.373049	0.372731	0.372414	0.372098	0.371781	0.371465
0.397564	0.397509	0.397454	0.397398	0.397343	0.397288	0.397233	0.397178	0.397123	0.397068
0.410932	0.410930	0.410928	0.410926	0.410924	0.410922	0.410920	0.410918	0.410916	0.410914
0.421687	0.421685	0.421683	0.421681	0.421678	0.421676	0.421674	0.421672	0.421670	0.421668
0.432207	0.432205	0.432202	0.432200	0.432198	0.432196	0.432194	0.432191	0.432189	0.432187
0.442495	0.442492	0.442490	0.442488	0.442486	0.442483	0.442481	0.442479	0.442477	0.442474
0.452553	0.452551	0.452549	0.452546	0.452544	0.452542	0.452539	0.452537	0.452535	0.452533
0.462385	0.462383	0.462381	0.462378	0.462376	0.462374	0.462371	0.462369	0.462367	0.462364
0.471994	0.471992	0.471989	0.471987	0.471984	0.471982	0.471980	0.471977	0.471975	0.471972
0.481382	0.481379	0.481377	0.481375	0.481372	0.481370	0.481367	0.481365	0.481362	0.481360

0.490552	0.490549	0.490547	0.490544	0.490542	0.490539	0.490537	0.490534	0.490532	0.490529
0.499507	0.499504	0.499501	0.499499	0.499496	0.499494	0.499491	0.499489	0.499486	0.499484
0.508249	0.508246	0.508244	0.508241	0.508239	0.508236	0.508234	0.508231	0.508228	0.508226
0.516782	0.516780	0.516777	0.516774	0.516772	0.516769	0.516766	0.516764	0.516761	0.516759
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
0.000647	0.000626	0.000606	0.000586	0.000568	0.000549	0.000532	0.000515	0.000498	0.000482
0.000029	0.000028	0.000027	0.000026	0.000025	0.000024	0.000023	0.000022	0.000021	0.000020
0.000022	0.000021	0.000020	0.000020	0.000019	0.000018	0.000018	0.000017	0.000016	0.000016
0.000020	0.000019	0.000018	0.000018	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014
0.000015	0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011
0.000014	0.000014	0.000013	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011
0.000012	0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009
0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000008	0.000007
0.000008	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000006	0.000006
0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006
0.000009	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000006
0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008
0.000013	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010
0.000022	0.000021	0.000020	0.000020	0.000020	0.000019	0.000019	0.000018	0.000018	0.000017
0.000036	0.000035	0.000034	0.000033	0.000033	0.000032	0.000031	0.000031	0.000030	0.000029
0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045	0.000044	0.000043	0.000042
0.000065	0.000064	0.000062	0.000061	0.000060	0.000059	0.000058	0.000057	0.000055	0.000054
0.000071	0.000070	0.000068	0.000067	0.000066	0.000064	0.000063	0.000062	0.000061	0.000060
0.000073	0.000071	0.000070	0.000068	0.000067	0.000066	0.000064	0.000063	0.000062	0.000060
0.000077	0.000076	0.000074	0.000073	0.000071	0.000070	0.000068	0.000067	0.000066	0.000064
0.000079	0.000077	0.000075	0.000074	0.000072	0.000071	0.000069	0.000068	0.000067	0.000065
0.000079	0.000077	0.000076	0.000074	0.000073	0.000071	0.000070	0.000069	0.000067	0.000066
0.000080	0.000078	0.000076	0.000075	0.000073	0.000072	0.000070	0.000069	0.000068	0.000066
0.000081	0.000080	0.000078	0.000076	0.000075	0.000073	0.000072	0.000071	0.000069	0.000068
0.000085	0.000084	0.000082	0.000080	0.000079	0.000077	0.000076	0.000074	0.000073	0.000071
0.000091	0.000089	0.000087	0.000085	0.000084	0.000082	0.000081	0.000079	0.000078	0.000076
0.000098	0.000097	0.000095	0.000093	0.000091	0.000090	0.000088	0.000086	0.000085	0.000083
0.000111	0.000109	0.000107	0.000105	0.000103	0.000101	0.000099	0.000097	0.000095	0.000093
0.000120	0.000118	0.000116	0.000113	0.000111	0.000109	0.000107	0.000105	0.000103	0.000101
0.000128	0.000125	0.000123	0.000121	0.000118	0.000116	0.000114	0.000112	0.000110	0.000108
0.000131	0.000129	0.000126	0.000124	0.000121	0.000119	0.000117	0.000114	0.000112	0.000110
0.000134	0.000132	0.000129	0.000126	0.000124	0.000121	0.000119	0.000117	0.000114	0.000112
0.000141	0.000138	0.000135	0.000132	0.000130	0.000127	0.000124	0.000122	0.000119	0.000117
0.000146	0.000143	0.000140	0.000137	0.000134	0.000132	0.000129	0.000126	0.000124	0.000121
0.000155	0.000151	0.000148	0.000145	0.000142	0.000139	0.000136	0.000133	0.000131	0.000128
0.000163	0.000160	0.000156	0.000153	0.000150	0.000147	0.000144	0.000140	0.000138	0.000135
0.000172	0.000168	0.000165	0.000161	0.000158	0.000154	0.000151	0.000148	0.000145	0.000142
0.000180	0.000177	0.000173	0.000169	0.000165	0.000162	0.000158	0.000155	0.000151	0.000148
0.000193	0.000188	0.000184	0.000180	0.000176	0.000172	0.000169	0.000165	0.000161	0.000158
0.000207	0.000202	0.000198	0.000194	0.000189	0.000185	0.000181	0.000177	0.000173	0.000169
0.000223	0.000218	0.000213	0.000208	0.000204	0.000199	0.000195	0.000190	0.000186	0.000182
0.000240	0.000234	0.000229	0.000224	0.000219	0.000214	0.000210	0.000205	0.000201	0.000196
0.000258	0.000253	0.000247	0.000242	0.000236	0.000231	0.000226	0.000221	0.000216	0.000211
0.000275	0.000269	0.000263	0.000257	0.000251	0.000246	0.000240	0.000235	0.000230	0.000225
0.000293	0.000287	0.000280	0.000274	0.000268	0.000261	0.000256	0.000250	0.000244	0.000239
0.000311	0.000304	0.000297	0.000290	0.000283	0.000277	0.000270	0.000264	0.000258	0.000252
0.000331	0.000323	0.000316	0.000308	0.000301	0.000294	0.000287	0.000281	0.000274	0.000268
0.000350	0.000341	0.000333	0.000325	0.000318	0.000310	0.000303	0.000296	0.000289	0.000282
0.000372	0.000363	0.000354	0.000346	0.000338	0.000329	0.000322	0.000314	0.000306	0.000299
0.000396	0.000387	0.000377	0.000368	0.000359	0.000351	0.000342	0.000334	0.000326	0.000318
0.000423	0.000413	0.000403	0.000393	0.000383	0.000374	0.000365	0.000356	0.000348	0.000339
0.000451	0.000440	0.000429	0.000419	0.000408	0.000398	0.000389	0.000379	0.000370	0.000361
0.000482	0.000470	0.000458	0.000447	0.000436	0.000426	0.000415	0.000405	0.000395	0.000385

0.000510	0.000498	0.000486	0.000474	0.000462	0.000451	0.000439	0.000429	0.000418	0.000408
0.000541	0.000528	0.000515	0.000502	0.000489	0.000477	0.000466	0.000454	0.000443	0.000432
0.000581	0.000566	0.000552	0.000539	0.000525	0.000512	0.000500	0.000487	0.000475	0.000464
0.000630	0.000615	0.000600	0.000585	0.000570	0.000556	0.000543	0.000529	0.000516	0.000503
0.000702	0.000685	0.000668	0.000652	0.000636	0.000620	0.000605	0.000591	0.000576	0.000562
0.000795	0.000776	0.000757	0.000739	0.000722	0.000704	0.000688	0.000671	0.000655	0.000639
0.000906	0.000885	0.000864	0.000844	0.000824	0.000805	0.000786	0.000768	0.000750	0.000732
0.001025	0.001001	0.000978	0.000955	0.000933	0.000912	0.000891	0.000870	0.000850	0.000830
0.001139	0.001113	0.001088	0.001063	0.001038	0.001014	0.000991	0.000968	0.000946	0.000925
0.001242	0.001214	0.001186	0.001159	0.001132	0.001106	0.001081	0.001056	0.001031	0.001008
0.001340	0.001309	0.001279	0.001249	0.001220	0.001192	0.001164	0.001137	0.001111	0.001085
0.001440	0.001406	0.001373	0.001341	0.001310	0.001279	0.001249	0.001220	0.001191	0.001164
0.001548	0.001512	0.001476	0.001441	0.001407	0.001374	0.001341	0.001310	0.001279	0.001248
0.001673	0.001633	0.001594	0.001556	0.001519	0.001483	0.001447	0.001413	0.001379	0.001346
0.001819	0.001775	0.001732	0.001691	0.001650	0.001610	0.001572	0.001534	0.001497	0.001461
0.001990	0.001942	0.001895	0.001849	0.001804	0.001760	0.001718	0.001676	0.001635	0.001596
0.002198	0.002144	0.002092	0.002041	0.001991	0.001943	0.001896	0.001850	0.001805	0.001761
0.002448	0.002388	0.002330	0.002274	0.002218	0.002164	0.002112	0.002060	0.002010	0.001961
0.002751	0.002684	0.002619	0.002556	0.002494	0.002433	0.002374	0.002317	0.002261	0.002206
0.003111	0.003036	0.002963	0.002891	0.002822	0.002754	0.002688	0.002623	0.002560	0.002498
0.003534	0.003450	0.003368	0.003288	0.003209	0.003133	0.003058	0.002985	0.002914	0.002845
0.004041	0.003946	0.003853	0.003763	0.003674	0.003588	0.003504	0.003421	0.003341	0.003262
0.004657	0.004550	0.004445	0.004342	0.004241	0.004143	0.004048	0.003954	0.003863	0.003773
0.005398	0.005276	0.005156	0.005039	0.004924	0.004813	0.004703	0.004596	0.004492	0.004390
0.006293	0.006152	0.006015	0.005882	0.005751	0.005623	0.005497	0.005375	0.005255	0.005138
0.007372	0.007212	0.007054	0.006901	0.006750	0.006603	0.006459	0.006319	0.006181	0.006046
0.008676	0.008492	0.008311	0.008135	0.007962	0.007792	0.007627	0.007465	0.007306	0.007151
0.010242	0.010030	0.009822	0.009619	0.009420	0.009225	0.009034	0.008847	0.008664	0.008485
0.012138	0.011895	0.011656	0.011422	0.011193	0.010969	0.010749	0.010533	0.010322	0.010115
0.014453	0.014174	0.013900	0.013631	0.013367	0.013109	0.012855	0.012607	0.012363	0.012124
0.017310	0.016989	0.016674	0.016365	0.016062	0.015764	0.015472	0.015186	0.014904	0.014628
0.020833	0.020465	0.020104	0.019749	0.019400	0.019058	0.018721	0.018391	0.018066	0.017747
0.025171	0.024750	0.024337	0.023930	0.023530	0.023136	0.022749	0.022369	0.021995	0.021627
0.030490	0.030010	0.029538	0.029073	0.028615	0.028165	0.027722	0.027285	0.026856	0.026433
0.037013	0.036468	0.035932	0.035404	0.034883	0.034370	0.033865	0.033367	0.032876	0.032392
0.044949	0.044336	0.043731	0.043135	0.042547	0.041966	0.041394	0.040829	0.040272	0.039723
0.054577	0.053893	0.053217	0.052550	0.051891	0.051241	0.050598	0.049964	0.049338	0.048719
0.066185	0.065430	0.064684	0.063947	0.063217	0.062497	0.061784	0.061080	0.060383	0.059695
0.080113	0.079293	0.078481	0.077677	0.076882	0.076095	0.075316	0.074544	0.073781	0.073025
0.095826	0.094950	0.094081	0.093221	0.092368	0.091523	0.090685	0.089856	0.089034	0.088219
0.110377	0.109455	0.108539	0.107632	0.106732	0.105840	0.104955	0.104077	0.103207	0.102344
0.123975	0.123011	0.122055	0.121106	0.120164	0.119230	0.118303	0.117384	0.116471	0.115566
0.138018	0.137018	0.136026	0.135041	0.134062	0.133091	0.132127	0.131170	0.130220	0.129277
0.153951	0.152922	0.151901	0.150886	0.149878	0.148877	0.147883	0.146895	0.145914	0.144939
0.169771	0.168718	0.167671	0.166631	0.165597	0.164569	0.163548	0.162534	0.161525	0.160523
0.185521	0.184446	0.183377	0.182314	0.181257	0.180207	0.179162	0.178124	0.177091	0.176065
0.201202	0.200106	0.199017	0.197934	0.196856	0.195785	0.194719	0.193659	0.192605	0.191556
0.216798	0.215684	0.214576	0.213474	0.212377	0.211286	0.210200	0.209120	0.208046	0.206977
0.252732	0.251781	0.250834	0.249891	0.248951	0.248015	0.247082	0.246153	0.245227	0.244305
0.286538	0.285784	0.285032	0.284282	0.283534	0.282788	0.282043	0.281301	0.280561	0.279822
0.313393	0.312900	0.312407	0.311915	0.311424	0.310933	0.310443	0.309955	0.309466	0.308979
0.340855	0.340657	0.340458	0.340260	0.340061	0.339863	0.339665	0.339467	0.339269	0.339071
0.353820	0.353613	0.353407	0.353201	0.352995	0.352790	0.352584	0.352378	0.352173	0.351968
0.366478	0.366265	0.366051	0.365838	0.365625	0.365411	0.365198	0.364986	0.364773	0.364560
0.378835	0.378615	0.378394	0.378173	0.377953	0.377733	0.377512	0.377292	0.377072	0.376853
0.390895	0.390667	0.390440	0.390212	0.389985	0.389757	0.389530	0.389303	0.389076	0.388849
0.402661	0.402427	0.402192	0.401958	0.401723	0.401489	0.401255	0.401021	0.400788	0.400554
0.414138	0.413897	0.413656	0.413415	0.413174	0.412933	0.412692	0.412452	0.412211	0.411971
0.425330	0.425082	0.424834	0.424586	0.424339	0.424092	0.423844	0.423597	0.423350	0.423104
0.436239	0.435985	0.435731	0.435477	0.435223	0.434969	0.434716	0.434463	0.434209	0.433956
0.446871	0.446611	0.446350	0.446090	0.445830	0.445570	0.445311	0.445051	0.444792	0.444532

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
0.000480	0.000464	0.000448	0.000433	0.000418	0.000404	0.000390	0.000377	0.000364	0.000352
0.000027	0.000026	0.000025	0.000024	0.000024	0.000023	0.000022	0.000021	0.000020	0.000019
0.000018	0.000018	0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013
0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008
0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000008	0.000007
0.000009	0.000008	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000006
0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005
0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000004
0.000006	0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005
0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005
0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007
0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008
0.000012	0.000012	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009	0.000009
0.000015	0.000015	0.000014	0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000012
0.000023	0.000022	0.000021	0.000021	0.000020	0.000019	0.000019	0.000018	0.000018	0.000017
0.000042	0.000041	0.000040	0.000038	0.000037	0.000036	0.000035	0.000034	0.000033	0.000033
0.000070	0.000068	0.000066	0.000064	0.000063	0.000061	0.000060	0.000058	0.000057	0.000055
0.000091	0.000089	0.000087	0.000085	0.000083	0.000081	0.000079	0.000077	0.000075	0.000073
0.000108	0.000106	0.000103	0.000101	0.000098	0.000096	0.000094	0.000091	0.000089	0.000087
0.000125	0.000122	0.000119	0.000117	0.000114	0.000111	0.000109	0.000106	0.000104	0.000101
0.000152	0.000149	0.000146	0.000143	0.000140	0.000137	0.000134	0.000131	0.000128	0.000126
0.000175	0.000171	0.000168	0.000165	0.000162	0.000158	0.000155	0.000152	0.000149	0.000147
0.000195	0.000192	0.000188	0.000185	0.000182	0.000179	0.000175	0.000172	0.000169	0.000166
0.000227	0.000223	0.000220	0.000216	0.000213	0.000209	0.000206	0.000203	0.000200	0.000197
0.000253	0.000250	0.000246	0.000243	0.000239	0.000236	0.000232	0.000229	0.000226	0.000222
0.000282	0.000278	0.000274	0.000271	0.000267	0.000263	0.000260	0.000256	0.000253	0.000249
0.000320	0.000316	0.000312	0.000308	0.000304	0.000300	0.000296	0.000293	0.000289	0.000285
0.000370	0.000365	0.000361	0.000357	0.000353	0.000348	0.000344	0.000340	0.000336	0.000332
0.000420	0.000415	0.000411	0.000406	0.000402	0.000397	0.000393	0.000388	0.000384	0.000380
0.000467	0.000462	0.000457	0.000452	0.000447	0.000443	0.000438	0.000433	0.000429	0.000424
0.000485	0.000479	0.000474	0.000469	0.000464	0.000459	0.000454	0.000449	0.000444	0.000439
0.000500	0.000494	0.000489	0.000483	0.000478	0.000472	0.000467	0.000462	0.000457	0.000451
0.000490	0.000484	0.000478	0.000473	0.000467	0.000461	0.000455	0.000450	0.000444	0.000439
0.000476	0.000470	0.000463	0.000457	0.000451	0.000445	0.000439	0.000434	0.000428	0.000422
0.000451	0.000444	0.000438	0.000432	0.000425	0.000419	0.000413	0.000407	0.000401	0.000396
0.000423	0.000416	0.000410	0.000403	0.000397	0.000391	0.000385	0.000379	0.000373	0.000367
0.000400	0.000393	0.000387	0.000380	0.000374	0.000367	0.000361	0.000355	0.000349	0.000343
0.000381	0.000374	0.000368	0.000361	0.000355	0.000348	0.000342	0.000336	0.000330	0.000324
0.000372	0.000365	0.000359	0.000352	0.000345	0.000339	0.000332	0.000326	0.000320	0.000314
0.000370	0.000363	0.000356	0.000349	0.000342	0.000336	0.000329	0.000323	0.000316	0.000310
0.000374	0.000366	0.000359	0.000352	0.000345	0.000338	0.000331	0.000324	0.000318	0.000311
0.000378	0.000370	0.000363	0.000355	0.000348	0.000341	0.000334	0.000327	0.000320	0.000314
0.000389	0.000380	0.000372	0.000364	0.000357	0.000349	0.000342	0.000335	0.000328	0.000321
0.000399	0.000391	0.000382	0.000374	0.000366	0.000358	0.000350	0.000343	0.000335	0.000328
0.000411	0.000402	0.000394	0.000385	0.000376	0.000368	0.000360	0.000352	0.000344	0.000337
0.000425	0.000416	0.000406	0.000397	0.000388	0.000379	0.000371	0.000363	0.000354	0.000346
0.000438	0.000428	0.000418	0.000409	0.000399	0.000390	0.000381	0.000372	0.000364	0.000355
0.000451	0.000440	0.000430	0.000419	0.000409	0.000400	0.000390	0.000381	0.000372	0.000363
0.000462	0.000451	0.000440	0.000429	0.000419	0.000409	0.000399	0.000389	0.000380	0.000370
0.000473	0.000461	0.000449	0.000438	0.000427	0.000417	0.000406	0.000396	0.000386	0.000377
0.000484	0.000472	0.000460	0.000448	0.000436	0.000425	0.000414	0.000404	0.000393	0.000383
0.000497	0.000484	0.000471	0.000459	0.000447	0.000435	0.000424	0.000412	0.000402	0.000391
0.000514	0.000500	0.000487	0.000474	0.000461	0.000449	0.000437	0.000425	0.000414	0.000403
0.000538	0.000523	0.000509	0.000495	0.000482	0.000469	0.000456	0.000444	0.000432	0.000420

0.000568	0.000553	0.000537	0.000523	0.000508	0.000494	0.000481	0.000467	0.000454	0.000442
0.000609	0.000592	0.000575	0.000559	0.000544	0.000529	0.000514	0.000500	0.000486	0.000472
0.000658	0.000639	0.000621	0.000604	0.000587	0.000571	0.000555	0.000539	0.000524	0.000509
0.000718	0.000697	0.000678	0.000659	0.000640	0.000622	0.000605	0.000588	0.000571	0.000555
0.000790	0.000768	0.000746	0.000725	0.000705	0.000685	0.000665	0.000647	0.000629	0.000611
0.000874	0.000849	0.000825	0.000802	0.000780	0.000758	0.000736	0.000716	0.000695	0.000676
0.000973	0.000945	0.000919	0.000893	0.000868	0.000844	0.000820	0.000797	0.000775	0.000753
0.001086	0.001055	0.001026	0.000997	0.000969	0.000942	0.000916	0.000890	0.000865	0.000841
0.001218	0.001184	0.001151	0.001119	0.001088	0.001058	0.001028	0.001000	0.000972	0.000945
0.001369	0.001331	0.001295	0.001259	0.001224	0.001191	0.001158	0.001126	0.001095	0.001065
0.001543	0.001501	0.001460	0.001420	0.001382	0.001344	0.001307	0.001271	0.001237	0.001203
0.001742	0.001695	0.001649	0.001605	0.001562	0.001519	0.001478	0.001438	0.001400	0.001362
0.001959	0.001907	0.001856	0.001806	0.001758	0.001711	0.001666	0.001621	0.001578	0.001536
0.002158	0.002101	0.002045	0.001991	0.001938	0.001886	0.001836	0.001788	0.001740	0.001694
0.002373	0.002310	0.002249	0.002189	0.002131	0.002075	0.002020	0.001967	0.001915	0.001864
0.002648	0.002579	0.002512	0.002446	0.002382	0.002320	0.002259	0.002200	0.002142	0.002086
0.003009	0.002931	0.002856	0.002782	0.002711	0.002641	0.002573	0.002506	0.002442	0.002379
0.003474	0.003386	0.003301	0.003218	0.003137	0.003058	0.002981	0.002906	0.002832	0.002761
0.004072	0.003972	0.003874	0.003780	0.003687	0.003597	0.003508	0.003422	0.003339	0.003257
0.004833	0.004718	0.004607	0.004497	0.004391	0.004287	0.004185	0.004086	0.003989	0.003895
0.005792	0.005660	0.005531	0.005405	0.005281	0.005161	0.005043	0.004929	0.004816	0.004706
0.006988	0.006835	0.006686	0.006540	0.006397	0.006258	0.006121	0.005987	0.005857	0.005729
0.008466	0.008289	0.008117	0.007948	0.007782	0.007620	0.007461	0.007306	0.007154	0.007005
0.010271	0.010068	0.009869	0.009673	0.009481	0.009294	0.009109	0.008929	0.008752	0.008579
0.012424	0.012190	0.011961	0.011735	0.011514	0.011297	0.011085	0.010876	0.010671	0.010470
0.014943	0.014676	0.014412	0.014154	0.013900	0.013651	0.013406	0.013166	0.012930	0.012698
0.017849	0.017544	0.017244	0.016949	0.016659	0.016374	0.016093	0.015818	0.015548	0.015282
0.021160	0.020814	0.020473	0.020138	0.019808	0.019484	0.019165	0.018851	0.018542	0.018239
0.024922	0.024531	0.024146	0.023767	0.023394	0.023027	0.022665	0.022309	0.021959	0.021615
0.029189	0.028749	0.028317	0.027890	0.027470	0.027057	0.026649	0.026248	0.025853	0.025463
0.034048	0.033557	0.033073	0.032596	0.032125	0.031662	0.031205	0.030755	0.030312	0.029874
0.039601	0.039056	0.038518	0.037987	0.037464	0.036948	0.036439	0.035937	0.035442	0.034953
0.046133	0.045530	0.044935	0.044347	0.043767	0.043195	0.042630	0.042073	0.041523	0.040980
0.054783	0.054116	0.053457	0.052806	0.052162	0.051527	0.050899	0.050279	0.049667	0.049062
0.066692	0.065955	0.065226	0.064505	0.063793	0.063088	0.062390	0.061701	0.061019	0.060345
0.081069	0.080266	0.079471	0.078684	0.077904	0.077133	0.076369	0.075612	0.074863	0.074121
0.096204	0.095344	0.094491	0.093646	0.092809	0.091979	0.091156	0.090341	0.089533	0.088733
0.110415	0.109504	0.108602	0.107706	0.106818	0.105938	0.105064	0.104198	0.103339	0.102487
0.123527	0.122570	0.121621	0.120679	0.119744	0.118817	0.117896	0.116983	0.116077	0.115178
0.135838	0.134836	0.133841	0.132854	0.131873	0.130900	0.129934	0.128976	0.128024	0.127079
0.147740	0.146693	0.145653	0.144620	0.143595	0.142576	0.141566	0.140562	0.139565	0.138576
0.159651	0.158558	0.157473	0.156396	0.155326	0.154263	0.153207	0.152159	0.151118	0.150084
0.171525	0.170387	0.169257	0.168134	0.167018	0.165910	0.164810	0.163717	0.162631	0.161552
0.183661	0.182478	0.181302	0.180133	0.178973	0.177819	0.176673	0.175535	0.174404	0.173280
0.196044	0.194814	0.193591	0.192376	0.191169	0.189969	0.188777	0.187592	0.186415	0.185245
0.208274	0.206998	0.205729	0.204469	0.203216	0.201970	0.200732	0.199502	0.198280	0.197065
0.238287	0.237091	0.235901	0.234716	0.233538	0.232365	0.231199	0.230038	0.228883	0.227734
0.266674	0.265582	0.264495	0.263412	0.262334	0.261260	0.260191	0.259126	0.258065	0.257009
0.296590	0.295635	0.294684	0.293737	0.292792	0.291850	0.290911	0.289975	0.289042	0.288113
0.320888	0.320123	0.319359	0.318597	0.317836	0.317078	0.316321	0.315566	0.314813	0.314062
0.345758	0.345205	0.344653	0.344102	0.343552	0.343003	0.342454	0.341907	0.341360	0.340814
0.371149	0.370833	0.370518	0.370203	0.369888	0.369573	0.369259	0.368945	0.368631	0.368317
0.397013	0.396958	0.396903	0.396848	0.396793	0.396737	0.396682	0.396627	0.396572	0.396517
0.410911	0.410909	0.410907	0.410905	0.410903	0.410901	0.410899	0.410897	0.410895	0.410893
0.421666	0.421663	0.421661	0.421659	0.421657	0.421655	0.421653	0.421651	0.421648	0.421646
0.432185	0.432183	0.432180	0.432178	0.432176	0.432174	0.432172	0.432169	0.432167	0.432165
0.442472	0.442470	0.442468	0.442465	0.442463	0.442461	0.442459	0.442456	0.442454	0.442452
0.452530	0.452528	0.452526	0.452523	0.452521	0.452519	0.452516	0.452514	0.452512	0.452510
0.462362	0.462360	0.462357	0.462355	0.462353	0.462350	0.462348	0.462346	0.462343	0.462341
0.471970	0.471968	0.471965	0.471963	0.471960	0.471958	0.471956	0.471953	0.471951	0.471949
0.481357	0.481355	0.481353	0.481350	0.481348	0.481345	0.481343	0.481340	0.481338	0.481335

0.490527	0.490524	0.490522	0.490519	0.490517	0.490514	0.490512	0.490509	0.490507	0.490504
0.499481	0.499479	0.499476	0.499474	0.499471	0.499468	0.499466	0.499463	0.499461	0.499458
0.508223	0.508221	0.508218	0.508215	0.508213	0.508210	0.508208	0.508205	0.508203	0.508200
0.516756	0.516753	0.516751	0.516748	0.516745	0.516743	0.516740	0.516738	0.516735	0.516732
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
0.000467	0.000452	0.000437	0.000423	0.000409	0.000396	0.000384	0.000371	0.000359	0.000348
0.000019	0.000019	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015	0.000014	0.000014
0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011
0.000014	0.000013	0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000011	0.000010
0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000008
0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000008
0.000009	0.000008	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000006
0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005	0.000005
0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000004
0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000004	0.000004
0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006
0.000010	0.000010	0.000009	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000008
0.000017	0.000016	0.000016	0.000016	0.000015	0.000015	0.000015	0.000014	0.000014	0.000014
0.000029	0.000028	0.000027	0.000027	0.000026	0.000026	0.000025	0.000025	0.000024	0.000024
0.000041	0.000041	0.000040	0.000039	0.000038	0.000037	0.000037	0.000036	0.000035	0.000034
0.000053	0.000052	0.000051	0.000050	0.000049	0.000048	0.000047	0.000047	0.000046	0.000045
0.000058	0.000057	0.000056	0.000055	0.000054	0.000053	0.000052	0.000051	0.000050	0.000049
0.000059	0.000058	0.000057	0.000055	0.000054	0.000053	0.000052	0.000051	0.000050	0.000049
0.000063	0.000062	0.000061	0.000059	0.000058	0.000057	0.000056	0.000055	0.000054	0.000052
0.000064	0.000063	0.000061	0.000060	0.000059	0.000058	0.000057	0.000055	0.000054	0.000053
0.000064	0.000063	0.000062	0.000061	0.000059	0.000058	0.000057	0.000056	0.000055	0.000054
0.000065	0.000064	0.000062	0.000061	0.000060	0.000059	0.000057	0.000056	0.000055	0.000054
0.000066	0.000065	0.000064	0.000063	0.000061	0.000060	0.000059	0.000058	0.000056	0.000055
0.000070	0.000069	0.000067	0.000066	0.000065	0.000063	0.000062	0.000061	0.000060	0.000059
0.000075	0.000073	0.000072	0.000070	0.000069	0.000068	0.000066	0.000065	0.000064	0.000063
0.000081	0.000080	0.000078	0.000077	0.000075	0.000074	0.000073	0.000071	0.000070	0.000069
0.000092	0.000090	0.000088	0.000087	0.000085	0.000084	0.000082	0.000081	0.000079	0.000078
0.000099	0.000097	0.000096	0.000094	0.000092	0.000090	0.000089	0.000087	0.000085	0.000084
0.000106	0.000104	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092	0.000091	0.000089
0.000108	0.000106	0.000104	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092	0.000090
0.000110	0.000108	0.000105	0.000103	0.000101	0.000099	0.000097	0.000095	0.000093	0.000091
0.000115	0.000112	0.000110	0.000108	0.000106	0.000103	0.000101	0.000099	0.000097	0.000095
0.000119	0.000116	0.000114	0.000111	0.000109	0.000107	0.000105	0.000102	0.000100	0.000098
0.000125	0.000123	0.000120	0.000118	0.000115	0.000113	0.000110	0.000108	0.000106	0.000104
0.000132	0.000129	0.000126	0.000124	0.000121	0.000118	0.000116	0.000114	0.000111	0.000109
0.000139	0.000136	0.000133	0.000130	0.000127	0.000124	0.000122	0.000119	0.000116	0.000114
0.000145	0.000142	0.000138	0.000135	0.000132	0.000130	0.000127	0.000124	0.000121	0.000119
0.000154	0.000151	0.000147	0.000144	0.000141	0.000138	0.000135	0.000132	0.000129	0.000126
0.000166	0.000162	0.000158	0.000155	0.000152	0.000148	0.000145	0.000142	0.000139	0.000136
0.000178	0.000174	0.000170	0.000167	0.000163	0.000159	0.000156	0.000152	0.000149	0.000146
0.000192	0.000188	0.000183	0.000179	0.000175	0.000171	0.000168	0.000164	0.000160	0.000157
0.000207	0.000202	0.000198	0.000193	0.000189	0.000185	0.000181	0.000177	0.000173	0.000169
0.000220	0.000215	0.000210	0.000205	0.000200	0.000196	0.000192	0.000187	0.000183	0.000179
0.000233	0.000228	0.000223	0.000218	0.000213	0.000208	0.000203	0.000199	0.000194	0.000190
0.000246	0.000241	0.000235	0.000230	0.000224	0.000219	0.000214	0.000209	0.000205	0.000200
0.000261	0.000255	0.000249	0.000244	0.000238	0.000232	0.000227	0.000222	0.000216	0.000211
0.000275	0.000269	0.000262	0.000256	0.000250	0.000244	0.000238	0.000233	0.000227	0.000222
0.000292	0.000285	0.000278	0.000271	0.000265	0.000258	0.000252	0.000246	0.000240	0.000235
0.000310	0.000303	0.000295	0.000288	0.000281	0.000275	0.000268	0.000261	0.000255	0.000249
0.000331	0.000323	0.000315	0.000307	0.000300	0.000293	0.000286	0.000279	0.000272	0.000265
0.000352	0.000344	0.000335	0.000327	0.000319	0.000311	0.000304	0.000296	0.000289	0.000282
0.000376	0.000367	0.000358	0.000349	0.000341	0.000332	0.000324	0.000316	0.000308	0.000301

0.000398	0.000388	0.000378	0.000369	0.000360	0.000351	0.000343	0.000334	0.000326	0.000318
0.000421	0.000411	0.000401	0.000391	0.000381	0.000372	0.000362	0.000353	0.000345	0.000336
0.000452	0.000441	0.000430	0.000419	0.000409	0.000399	0.000389	0.000380	0.000370	0.000361
0.000491	0.000479	0.000467	0.000456	0.000444	0.000433	0.000423	0.000412	0.000402	0.000392
0.000548	0.000535	0.000522	0.000509	0.000497	0.000485	0.000473	0.000462	0.000450	0.000439
0.000624	0.000609	0.000595	0.000580	0.000567	0.000553	0.000540	0.000527	0.000514	0.000502
0.000715	0.000698	0.000682	0.000666	0.000650	0.000635	0.000620	0.000606	0.000591	0.000578
0.000811	0.000792	0.000774	0.000756	0.000739	0.000722	0.000705	0.000689	0.000673	0.000657
0.000903	0.000883	0.000862	0.000843	0.000823	0.000804	0.000786	0.000768	0.000750	0.000733
0.000985	0.000962	0.000940	0.000918	0.000897	0.000876	0.000856	0.000837	0.000817	0.000799
0.001060	0.001036	0.001012	0.000988	0.000965	0.000943	0.000921	0.000900	0.000879	0.000859
0.001136	0.001110	0.001084	0.001058	0.001034	0.001009	0.000986	0.000963	0.000940	0.000918
0.001219	0.001190	0.001162	0.001135	0.001108	0.001082	0.001056	0.001031	0.001007	0.000983
0.001314	0.001283	0.001252	0.001222	0.001193	0.001164	0.001137	0.001110	0.001083	0.001057
0.001426	0.001391	0.001358	0.001325	0.001293	0.001262	0.001232	0.001202	0.001173	0.001145
0.001557	0.001519	0.001483	0.001447	0.001412	0.001377	0.001344	0.001311	0.001280	0.001249
0.001718	0.001676	0.001635	0.001596	0.001557	0.001519	0.001482	0.001446	0.001411	0.001377
0.001914	0.001867	0.001822	0.001777	0.001734	0.001692	0.001651	0.001611	0.001571	0.001533
0.002152	0.002100	0.002049	0.002000	0.001951	0.001904	0.001858	0.001813	0.001769	0.001726
0.002438	0.002379	0.002322	0.002266	0.002212	0.002158	0.002106	0.002056	0.002006	0.001958
0.002777	0.002711	0.002646	0.002583	0.002522	0.002462	0.002403	0.002346	0.002290	0.002235
0.003186	0.003111	0.003038	0.002966	0.002896	0.002828	0.002762	0.002697	0.002633	0.002572
0.003686	0.003601	0.003518	0.003436	0.003357	0.003279	0.003203	0.003129	0.003057	0.002986
0.004290	0.004193	0.004098	0.004005	0.003914	0.003825	0.003738	0.003653	0.003570	0.003489
0.005024	0.004912	0.004803	0.004696	0.004591	0.004489	0.004389	0.004291	0.004196	0.004102
0.005915	0.005786	0.005660	0.005536	0.005416	0.005298	0.005182	0.005070	0.004959	0.004851
0.006999	0.006850	0.006704	0.006562	0.006422	0.006286	0.006152	0.006021	0.005893	0.005768
0.008309	0.008137	0.007969	0.007804	0.007642	0.007484	0.007329	0.007178	0.007029	0.006884
0.009912	0.009713	0.009519	0.009328	0.009141	0.008957	0.008778	0.008602	0.008429	0.008260
0.011889	0.011659	0.011434	0.011213	0.010996	0.010783	0.010575	0.010370	0.010170	0.009973
0.014357	0.014091	0.013830	0.013573	0.013322	0.013075	0.012833	0.012595	0.012362	0.012133
0.017434	0.017126	0.016824	0.016527	0.016235	0.015948	0.015667	0.015390	0.015118	0.014851
0.021265	0.020910	0.020560	0.020216	0.019878	0.019546	0.019219	0.018898	0.018582	0.018271
0.026017	0.025607	0.025204	0.024808	0.024417	0.024033	0.023655	0.023282	0.022916	0.022555
0.031916	0.031447	0.030984	0.030528	0.030079	0.029637	0.029201	0.028772	0.028349	0.027932
0.039181	0.038647	0.038120	0.037600	0.037087	0.036581	0.036082	0.035590	0.035105	0.034626
0.048109	0.047506	0.046910	0.046322	0.045741	0.045168	0.044602	0.044043	0.043490	0.042945
0.059014	0.058342	0.057676	0.057019	0.056369	0.055726	0.055091	0.054463	0.053842	0.053228
0.072278	0.071538	0.070805	0.070080	0.069362	0.068652	0.067949	0.067253	0.066565	0.065883
0.087412	0.086613	0.085820	0.085035	0.084257	0.083486	0.082723	0.081966	0.081216	0.080473
0.101489	0.100640	0.099799	0.098964	0.098137	0.097316	0.096503	0.095696	0.094896	0.094102
0.114668	0.113776	0.112892	0.112014	0.111143	0.110279	0.109422	0.108572	0.107728	0.106890
0.128340	0.127411	0.126488	0.125571	0.124662	0.123759	0.122862	0.121972	0.121089	0.120212
0.143971	0.143009	0.142054	0.141105	0.140162	0.139226	0.138296	0.137372	0.136455	0.135543
0.159527	0.158538	0.157554	0.156577	0.155605	0.154640	0.153680	0.152727	0.151779	0.150838
0.175044	0.174030	0.173021	0.172018	0.171021	0.170030	0.169044	0.168065	0.167090	0.166122
0.190513	0.189476	0.188445	0.187419	0.186399	0.185384	0.184375	0.183371	0.182373	0.181380
0.205913	0.204855	0.203803	0.202755	0.201714	0.200677	0.199646	0.198620	0.197600	0.196585
0.243386	0.242471	0.241559	0.240651	0.239746	0.238844	0.237946	0.237051	0.236160	0.235271
0.279086	0.278351	0.277619	0.276888	0.276160	0.275433	0.274708	0.273985	0.273264	0.272545
0.308492	0.308007	0.307522	0.307037	0.306554	0.306071	0.305589	0.305108	0.304627	0.304147
0.338874	0.338676	0.338479	0.338281	0.338084	0.337887	0.337690	0.337493	0.337297	0.337100
0.351763	0.351558	0.351353	0.351148	0.350943	0.350739	0.350534	0.350330	0.350126	0.349922
0.364348	0.364135	0.363923	0.363711	0.363499	0.363287	0.363075	0.362864	0.362652	0.362441
0.376633	0.376413	0.376194	0.375975	0.375756	0.375537	0.375318	0.375099	0.374880	0.374662
0.388623	0.388396	0.388170	0.387943	0.387717	0.387491	0.387265	0.387040	0.386814	0.386589
0.400321	0.400087	0.399854	0.399621	0.399388	0.399155	0.398923	0.398690	0.398458	0.398225
0.411731	0.411491	0.411251	0.411011	0.410772	0.410532	0.410293	0.410054	0.409815	0.409576
0.422857	0.422611	0.422364	0.422118	0.421872	0.421626	0.421380	0.421135	0.420889	0.420644
0.433703	0.433450	0.433198	0.432945	0.432693	0.432441	0.432189	0.431937	0.431685	0.431433
0.444273	0.444014	0.443756	0.443497	0.443238	0.442980	0.442722	0.442464	0.442206	0.441948

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
0.000340	0.000329	0.000317	0.000307	0.000296	0.000286	0.000277	0.000267	0.000258	0.000249
0.000019	0.000018	0.000017	0.000017	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013
0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009
0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006
0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005	0.000005
0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000004
0.000005	0.000005	0.000005	0.000005	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004
0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003	0.000003
0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003
0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003	0.000003
0.000005	0.000005	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000003
0.000006	0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005
0.000007	0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006
0.000009	0.000009	0.000008	0.000008	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
0.000011	0.000011	0.000010	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008
0.000017	0.000016	0.000016	0.000015	0.000015	0.000014	0.000014	0.000013	0.000013	0.000013
0.000032	0.000031	0.000030	0.000029	0.000028	0.000028	0.000027	0.000026	0.000025	0.000025
0.000054	0.000053	0.000051	0.000050	0.000049	0.000048	0.000046	0.000045	0.000044	0.000043
0.000071	0.000070	0.000068	0.000066	0.000065	0.000063	0.000062	0.000060	0.000059	0.000058
0.000085	0.000083	0.000081	0.000079	0.000077	0.000076	0.000074	0.000072	0.000070	0.000069
0.000099	0.000097	0.000095	0.000093	0.000090	0.000088	0.000086	0.000084	0.000082	0.000081
0.000123	0.000121	0.000118	0.000116	0.000113	0.000111	0.000108	0.000106	0.000104	0.000102
0.000144	0.000141	0.000138	0.000136	0.000133	0.000130	0.000128	0.000125	0.000123	0.000121
0.000163	0.000160	0.000157	0.000155	0.000152	0.000149	0.000147	0.000144	0.000141	0.000139
0.000194	0.000191	0.000188	0.000185	0.000182	0.000179	0.000176	0.000173	0.000171	0.000168
0.000219	0.000216	0.000213	0.000210	0.000207	0.000204	0.000201	0.000198	0.000195	0.000192
0.000246	0.000243	0.000239	0.000236	0.000233	0.000230	0.000226	0.000223	0.000220	0.000217
0.000281	0.000278	0.000274	0.000271	0.000267	0.000264	0.000260	0.000257	0.000254	0.000250
0.000328	0.000324	0.000320	0.000317	0.000313	0.000309	0.000306	0.000302	0.000298	0.000295
0.000376	0.000372	0.000367	0.000363	0.000359	0.000355	0.000351	0.000348	0.000344	0.000340
0.000420	0.000415	0.000411	0.000407	0.000402	0.000398	0.000394	0.000390	0.000386	0.000382
0.000434	0.000430	0.000425	0.000420	0.000416	0.000411	0.000407	0.000402	0.000398	0.000393
0.000446	0.000441	0.000436	0.000431	0.000427	0.000422	0.000417	0.000412	0.000408	0.000403
0.000433	0.000428	0.000423	0.000418	0.000413	0.000407	0.000402	0.000398	0.000393	0.000388
0.000417	0.000411	0.000406	0.000400	0.000395	0.000390	0.000385	0.000380	0.000375	0.000370
0.000390	0.000384	0.000379	0.000373	0.000368	0.000363	0.000357	0.000352	0.000347	0.000342
0.000361	0.000356	0.000350	0.000345	0.000339	0.000334	0.000329	0.000324	0.000319	0.000314
0.000338	0.000332	0.000326	0.000321	0.000315	0.000310	0.000305	0.000300	0.000295	0.000290
0.000318	0.000312	0.000307	0.000301	0.000296	0.000291	0.000285	0.000280	0.000275	0.000270
0.000308	0.000302	0.000297	0.000291	0.000286	0.000280	0.000275	0.000270	0.000265	0.000260
0.000304	0.000298	0.000293	0.000287	0.000281	0.000276	0.000270	0.000265	0.000260	0.000255
0.000305	0.000299	0.000293	0.000287	0.000282	0.000276	0.000270	0.000265	0.000260	0.000254
0.000307	0.000301	0.000295	0.000288	0.000283	0.000277	0.000271	0.000265	0.000260	0.000255
0.000314	0.000307	0.000301	0.000295	0.000288	0.000282	0.000276	0.000270	0.000265	0.000259
0.000321	0.000314	0.000307	0.000301	0.000294	0.000288	0.000282	0.000276	0.000270	0.000264
0.000329	0.000322	0.000315	0.000308	0.000301	0.000294	0.000288	0.000282	0.000275	0.000269
0.000339	0.000331	0.000324	0.000316	0.000309	0.000302	0.000295	0.000289	0.000282	0.000276
0.000347	0.000339	0.000331	0.000323	0.000316	0.000309	0.000302	0.000295	0.000288	0.000281
0.000355	0.000346	0.000338	0.000330	0.000322	0.000315	0.000307	0.000300	0.000293	0.000286
0.000361	0.000353	0.000344	0.000336	0.000327	0.000320	0.000312	0.000304	0.000297	0.000290
0.000367	0.000358	0.000349	0.000340	0.000332	0.000324	0.000316	0.000308	0.000300	0.000293
0.000374	0.000364	0.000355	0.000346	0.000337	0.000328	0.000320	0.000312	0.000304	0.000296
0.000381	0.000371	0.000361	0.000352	0.000343	0.000334	0.000325	0.000316	0.000308	0.000300
0.000392	0.000381	0.000371	0.000361	0.000352	0.000342	0.000333	0.000324	0.000316	0.000307
0.000408	0.000397	0.000387	0.000376	0.000366	0.000356	0.000346	0.000337	0.000328	0.000319

0.000430	0.000418	0.000406	0.000395	0.000384	0.000374	0.000363	0.000353	0.000344	0.000334
0.000459	0.000446	0.000434	0.000422	0.000410	0.000399	0.000388	0.000377	0.000366	0.000356
0.000495	0.000481	0.000468	0.000455	0.000442	0.000430	0.000418	0.000406	0.000394	0.000383
0.000540	0.000524	0.000510	0.000495	0.000481	0.000468	0.000455	0.000442	0.000430	0.000417
0.000594	0.000577	0.000561	0.000545	0.000530	0.000515	0.000500	0.000486	0.000473	0.000459
0.000657	0.000638	0.000620	0.000603	0.000586	0.000570	0.000554	0.000538	0.000523	0.000508
0.000732	0.000711	0.000691	0.000672	0.000653	0.000635	0.000617	0.000600	0.000583	0.000566
0.000818	0.000795	0.000772	0.000751	0.000730	0.000709	0.000690	0.000670	0.000652	0.000633
0.000919	0.000893	0.000868	0.000844	0.000821	0.000798	0.000776	0.000754	0.000733	0.000713
0.001035	0.001007	0.000979	0.000952	0.000926	0.000900	0.000875	0.000851	0.000828	0.000805
0.001170	0.001138	0.001107	0.001077	0.001047	0.001019	0.000991	0.000964	0.000938	0.000912
0.001325	0.001289	0.001254	0.001220	0.001188	0.001155	0.001124	0.001094	0.001064	0.001036
0.001495	0.001455	0.001416	0.001378	0.001341	0.001305	0.001271	0.001237	0.001204	0.001171
0.001649	0.001605	0.001562	0.001521	0.001480	0.001441	0.001403	0.001366	0.001329	0.001294
0.001815	0.001767	0.001720	0.001675	0.001630	0.001587	0.001545	0.001505	0.001465	0.001426
0.002032	0.001978	0.001927	0.001876	0.001827	0.001779	0.001733	0.001687	0.001643	0.001600
0.002318	0.002258	0.002200	0.002143	0.002088	0.002034	0.001982	0.001931	0.001881	0.001833
0.002692	0.002624	0.002558	0.002493	0.002430	0.002369	0.002309	0.002251	0.002194	0.002139
0.003177	0.003099	0.003023	0.002949	0.002877	0.002806	0.002738	0.002671	0.002605	0.002541
0.003802	0.003712	0.003624	0.003539	0.003455	0.003373	0.003293	0.003215	0.003139	0.003064
0.004599	0.004494	0.004392	0.004292	0.004194	0.004098	0.004005	0.003914	0.003824	0.003737
0.005604	0.005481	0.005362	0.005245	0.005130	0.005018	0.004909	0.004801	0.004697	0.004594
0.006859	0.006716	0.006576	0.006439	0.006305	0.006174	0.006045	0.005919	0.005796	0.005675
0.008409	0.008242	0.008079	0.007919	0.007762	0.007608	0.007458	0.007310	0.007165	0.007023
0.010273	0.010080	0.009890	0.009704	0.009521	0.009342	0.009166	0.008993	0.008824	0.008657
0.012470	0.012247	0.012027	0.011812	0.011600	0.011392	0.011188	0.010987	0.010790	0.010597
0.015020	0.014763	0.014511	0.014262	0.014018	0.013778	0.013543	0.013311	0.013083	0.012859
0.017940	0.017646	0.017357	0.017073	0.016794	0.016519	0.016248	0.015982	0.015721	0.015463
0.021275	0.020941	0.020613	0.020289	0.019971	0.019657	0.019349	0.019045	0.018746	0.018452
0.025080	0.024702	0.024330	0.023964	0.023603	0.023248	0.022898	0.022553	0.022213	0.021879
0.029443	0.029019	0.028600	0.028187	0.027781	0.027380	0.026985	0.026596	0.026212	0.025834
0.034472	0.033997	0.033528	0.033067	0.032611	0.032162	0.031719	0.031282	0.030851	0.030426
0.040444	0.039915	0.039393	0.038878	0.038370	0.037868	0.037373	0.036884	0.036402	0.035926
0.048464	0.047874	0.047291	0.046715	0.046146	0.045583	0.045028	0.044480	0.043938	0.043403
0.059678	0.059018	0.058366	0.057721	0.057083	0.056452	0.055828	0.055211	0.054601	0.053998
0.073387	0.072660	0.071940	0.071228	0.070522	0.069824	0.069132	0.068447	0.067769	0.067098
0.087939	0.087153	0.086373	0.085601	0.084835	0.084077	0.083325	0.082579	0.081841	0.081109
0.101642	0.100804	0.099973	0.099149	0.098331	0.097521	0.096717	0.095919	0.095129	0.094344
0.114286	0.113400	0.112522	0.111650	0.110786	0.109927	0.109076	0.108231	0.107393	0.106561
0.126142	0.125211	0.124287	0.123370	0.122460	0.121556	0.120659	0.119769	0.118885	0.118008
0.137593	0.136618	0.135649	0.134687	0.133732	0.132784	0.131843	0.130908	0.129980	0.129058
0.149057	0.148037	0.147024	0.146018	0.145018	0.144026	0.143041	0.142062	0.141090	0.140124
0.160480	0.159415	0.158358	0.157307	0.156264	0.155227	0.154197	0.153175	0.152158	0.151149
0.172163	0.171054	0.169951	0.168856	0.167768	0.166687	0.165613	0.164546	0.163485	0.162432
0.184082	0.182927	0.181779	0.180638	0.179504	0.178378	0.177258	0.176146	0.175040	0.173942
0.195857	0.194657	0.193464	0.192278	0.191100	0.189929	0.188765	0.187608	0.186459	0.185316
0.226591	0.225453	0.224321	0.223195	0.222075	0.220960	0.219851	0.218747	0.217649	0.216556
0.255957	0.254909	0.253866	0.252826	0.251791	0.250761	0.249734	0.248712	0.247694	0.246680
0.287186	0.286262	0.285341	0.284423	0.283508	0.282596	0.281687	0.280781	0.279878	0.278978
0.313312	0.312564	0.311818	0.311074	0.310332	0.309591	0.308852	0.308115	0.307380	0.306646
0.340269	0.339725	0.339182	0.338640	0.338098	0.337558	0.337018	0.336479	0.335941	0.335404
0.368004	0.367691	0.367378	0.367066	0.366754	0.366442	0.366130	0.365819	0.365507	0.365197
0.396462	0.396407	0.396352	0.396297	0.396242	0.396187	0.396133	0.396078	0.396023	0.395968
0.410891	0.410889	0.410886	0.410884	0.410882	0.410880	0.410878	0.410876	0.410874	0.410872
0.421644	0.421642	0.421640	0.421638	0.421636	0.421633	0.421631	0.421629	0.421627	0.421625
0.432163	0.432161	0.432159	0.432156	0.432154	0.432152	0.432150	0.432148	0.432145	0.432143
0.442450	0.442447	0.442445	0.442443	0.442441	0.442438	0.442436	0.442434	0.442432	0.442429
0.452507	0.452505	0.452503	0.452500	0.452498	0.452496	0.452493	0.452491	0.452489	0.452487
0.462338	0.462336	0.462334	0.462331	0.462329	0.462327	0.462324	0.462322	0.462320	0.462317
0.471946	0.471944	0.471941	0.471939	0.471937	0.471934	0.471932	0.471929	0.471927	0.471925
0.481333	0.481331	0.481328	0.481326	0.481323	0.481321	0.481318	0.481316	0.481313	0.481311

0.490502	0.490499	0.490497	0.490494	0.490492	0.490489	0.490487	0.490485	0.490482	0.490480
0.499456	0.499453	0.499451	0.499448	0.499446	0.499443	0.499441	0.499438	0.499436	0.499433
0.508197	0.508195	0.508192	0.508190	0.508187	0.508185	0.508182	0.508179	0.508177	0.508174
0.516730	0.516727	0.516724	0.516722	0.516719	0.516717	0.516714	0.516711	0.516709	0.516706
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
0.000337	0.000326	0.000315	0.000305	0.000295	0.000286	0.000277	0.000268	0.000259	0.000251
0.000013	0.000013	0.000012	0.000012	0.000011	0.000011	0.000010	0.000010	0.000010	0.000009
0.000011	0.000010	0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008
0.000010	0.000010	0.000009	0.000009	0.000009	0.000008	0.000008	0.000008	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005
0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000005
0.000006	0.000006	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
0.000005	0.000005	0.000005	0.000005	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004
0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003	0.000003	0.000003
0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003
0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000004	0.000003	0.000003
0.000006	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000004	0.000004
0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006
0.000013	0.000013	0.000013	0.000012	0.000012	0.000012	0.000011	0.000011	0.000011	0.000011
0.000023	0.000023	0.000022	0.000022	0.000021	0.000021	0.000020	0.000020	0.000019	0.000019
0.000034	0.000033	0.000032	0.000032	0.000031	0.000030	0.000030	0.000029	0.000029	0.000028
0.000044	0.000043	0.000042	0.000041	0.000041	0.000040	0.000039	0.000038	0.000038	0.000037
0.000048	0.000047	0.000046	0.000045	0.000044	0.000043	0.000043	0.000042	0.000041	0.000040
0.000048	0.000047	0.000046	0.000045	0.000044	0.000043	0.000042	0.000041	0.000041	0.000040
0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045	0.000045	0.000044	0.000043
0.000052	0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045	0.000044	0.000043
0.000053	0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000046	0.000045	0.000044
0.000053	0.000052	0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045	0.000044
0.000054	0.000053	0.000052	0.000051	0.000050	0.000049	0.000048	0.000047	0.000046	0.000045
0.000057	0.000056	0.000055	0.000054	0.000053	0.000052	0.000051	0.000050	0.000049	0.000048
0.000061	0.000060	0.000059	0.000058	0.000057	0.000056	0.000055	0.000054	0.000053	0.000052
0.000067	0.000066	0.000065	0.000064	0.000062	0.000061	0.000060	0.000059	0.000058	0.000057
0.000076	0.000075	0.000073	0.000072	0.000071	0.000069	0.000068	0.000067	0.000066	0.000064
0.000082	0.000081	0.000079	0.000078	0.000076	0.000075	0.000073	0.000072	0.000071	0.000069
0.000087	0.000086	0.000084	0.000082	0.000081	0.000079	0.000078	0.000076	0.000075	0.000074
0.000088	0.000087	0.000085	0.000083	0.000082	0.000080	0.000079	0.000077	0.000076	0.000074
0.000090	0.000088	0.000086	0.000084	0.000083	0.000081	0.000079	0.000078	0.000076	0.000075
0.000093	0.000092	0.000090	0.000088	0.000086	0.000084	0.000083	0.000081	0.000079	0.000078
0.000096	0.000094	0.000092	0.000090	0.000088	0.000087	0.000085	0.000083	0.000081	0.000080
0.000101	0.000099	0.000097	0.000095	0.000093	0.000091	0.000089	0.000088	0.000086	0.000084
0.000106	0.000104	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092	0.000090	0.000088
0.000112	0.000109	0.000107	0.000105	0.000102	0.000100	0.000098	0.000096	0.000094	0.000092
0.000116	0.000113	0.000111	0.000109	0.000106	0.000104	0.000102	0.000099	0.000097	0.000095
0.000123	0.000121	0.000118	0.000116	0.000113	0.000110	0.000108	0.000106	0.000103	0.000101
0.000133	0.000130	0.000127	0.000124	0.000121	0.000119	0.000116	0.000113	0.000111	0.000109
0.000142	0.000139	0.000136	0.000133	0.000130	0.000127	0.000125	0.000122	0.000119	0.000116
0.000153	0.000150	0.000147	0.000143	0.000140	0.000137	0.000134	0.000131	0.000128	0.000125
0.000165	0.000161	0.000158	0.000154	0.000151	0.000148	0.000144	0.000141	0.000138	0.000135
0.000175	0.000171	0.000167	0.000163	0.000160	0.000156	0.000153	0.000149	0.000146	0.000143
0.000185	0.000181	0.000177	0.000173	0.000169	0.000165	0.000162	0.000158	0.000154	0.000151
0.000195	0.000191	0.000186	0.000182	0.000178	0.000174	0.000170	0.000166	0.000162	0.000158
0.000207	0.000202	0.000197	0.000192	0.000188	0.000184	0.000179	0.000175	0.000171	0.000167
0.000216	0.000211	0.000206	0.000201	0.000197	0.000192	0.000187	0.000183	0.000179	0.000174
0.000229	0.000223	0.000218	0.000213	0.000208	0.000203	0.000198	0.000193	0.000189	0.000184
0.000243	0.000237	0.000231	0.000226	0.000220	0.000215	0.000210	0.000205	0.000200	0.000195
0.000259	0.000253	0.000246	0.000240	0.000235	0.000229	0.000223	0.000218	0.000213	0.000208
0.000275	0.000268	0.000262	0.000255	0.000249	0.000243	0.000237	0.000231	0.000226	0.000220
0.000294	0.000286	0.000279	0.000273	0.000266	0.000259	0.000253	0.000247	0.000241	0.000235

0.000310	0.000302	0.000295	0.000288	0.000281	0.000274	0.000267	0.000260	0.000254	0.000248
0.000328	0.000320	0.000312	0.000304	0.000297	0.000289	0.000282	0.000275	0.000268	0.000262
0.000352	0.000343	0.000335	0.000327	0.000319	0.000311	0.000303	0.000295	0.000288	0.000281
0.000383	0.000373	0.000364	0.000355	0.000346	0.000338	0.000329	0.000321	0.000313	0.000306
0.000429	0.000418	0.000408	0.000398	0.000389	0.000379	0.000370	0.000361	0.000352	0.000344
0.000490	0.000478	0.000467	0.000456	0.000445	0.000434	0.000424	0.000414	0.000404	0.000394
0.000564	0.000551	0.000538	0.000525	0.000513	0.000501	0.000489	0.000478	0.000467	0.000456
0.000642	0.000627	0.000613	0.000599	0.000585	0.000571	0.000558	0.000545	0.000533	0.000520
0.000716	0.000700	0.000684	0.000668	0.000653	0.000638	0.000623	0.000609	0.000595	0.000581
0.000780	0.000762	0.000745	0.000728	0.000711	0.000695	0.000679	0.000663	0.000648	0.000633
0.000839	0.000819	0.000800	0.000782	0.000764	0.000746	0.000729	0.000712	0.000695	0.000679
0.000897	0.000876	0.000855	0.000835	0.000816	0.000797	0.000778	0.000760	0.000742	0.000725
0.000960	0.000937	0.000915	0.000893	0.000872	0.000851	0.000831	0.000812	0.000793	0.000774
0.001032	0.001007	0.000983	0.000960	0.000937	0.000915	0.000893	0.000872	0.000851	0.000830
0.001118	0.001091	0.001065	0.001039	0.001014	0.000990	0.000966	0.000943	0.000920	0.000898
0.001218	0.001189	0.001160	0.001132	0.001105	0.001078	0.001052	0.001026	0.001001	0.000977
0.001343	0.001310	0.001279	0.001247	0.001217	0.001187	0.001159	0.001130	0.001103	0.001076
0.001496	0.001459	0.001424	0.001389	0.001355	0.001322	0.001290	0.001259	0.001228	0.001198
0.001684	0.001643	0.001603	0.001564	0.001526	0.001489	0.001453	0.001418	0.001384	0.001350
0.001911	0.001865	0.001820	0.001776	0.001733	0.001691	0.001651	0.001611	0.001572	0.001534
0.002182	0.002130	0.002079	0.002030	0.001981	0.001934	0.001888	0.001843	0.001799	0.001756
0.002511	0.002452	0.002394	0.002338	0.002283	0.002230	0.002177	0.002126	0.002076	0.002027
0.002917	0.002850	0.002784	0.002720	0.002657	0.002595	0.002535	0.002477	0.002419	0.002363
0.003410	0.003332	0.003257	0.003183	0.003111	0.003040	0.002971	0.002903	0.002837	0.002773
0.004011	0.003922	0.003835	0.003749	0.003666	0.003584	0.003504	0.003426	0.003350	0.003275
0.004745	0.004642	0.004541	0.004442	0.004345	0.004251	0.004158	0.004067	0.003979	0.003892
0.005645	0.005525	0.005408	0.005293	0.005180	0.005070	0.004962	0.004857	0.004754	0.004653
0.006741	0.006602	0.006465	0.006331	0.006200	0.006072	0.005946	0.005823	0.005703	0.005585
0.008094	0.007932	0.007773	0.007617	0.007464	0.007315	0.007168	0.007024	0.006883	0.006745
0.009780	0.009591	0.009406	0.009224	0.009045	0.008870	0.008699	0.008531	0.008366	0.008204
0.011908	0.011687	0.011470	0.011258	0.011049	0.010845	0.010644	0.010446	0.010253	0.010063
0.014589	0.014332	0.014079	0.013830	0.013586	0.013346	0.013110	0.012879	0.012652	0.012428
0.017966	0.017665	0.017370	0.017079	0.016794	0.016513	0.016237	0.015965	0.015698	0.015436
0.022200	0.021851	0.021507	0.021168	0.020835	0.020507	0.020184	0.019866	0.019554	0.019246
0.027521	0.027116	0.026717	0.026325	0.025937	0.025556	0.025180	0.024810	0.024445	0.024085
0.034153	0.033688	0.033228	0.032775	0.032328	0.031887	0.031452	0.031023	0.030600	0.030182
0.042407	0.041875	0.041350	0.040832	0.040320	0.039815	0.039316	0.038823	0.038336	0.037856
0.052621	0.052021	0.051428	0.050842	0.050262	0.049689	0.049122	0.048562	0.048009	0.047461
0.065209	0.064541	0.063880	0.063226	0.062578	0.061938	0.061303	0.060676	0.060054	0.059439
0.079737	0.079007	0.078285	0.077568	0.076859	0.076156	0.075459	0.074769	0.074085	0.073407
0.093316	0.092535	0.091762	0.090995	0.090234	0.089479	0.088731	0.087989	0.087254	0.086524
0.106059	0.105235	0.104417	0.103605	0.102800	0.102001	0.101208	0.100421	0.099640	0.098866
0.119341	0.118476	0.117618	0.116766	0.115920	0.115081	0.114247	0.113419	0.112598	0.111782
0.134638	0.133739	0.132845	0.131958	0.131076	0.130201	0.129331	0.128467	0.127609	0.126757
0.149902	0.148972	0.148048	0.147129	0.146216	0.145309	0.144408	0.143512	0.142621	0.141737
0.165159	0.164202	0.163250	0.162304	0.161363	0.160428	0.159498	0.158574	0.157654	0.156741
0.180393	0.179411	0.178434	0.177463	0.176497	0.175536	0.174580	0.173630	0.172685	0.171745
0.195575	0.194570	0.193570	0.192575	0.191586	0.190602	0.189622	0.188648	0.187679	0.186714
0.234387	0.233505	0.232627	0.231752	0.230881	0.230012	0.229147	0.228286	0.227427	0.226572
0.271827	0.271112	0.270398	0.269687	0.268977	0.268269	0.267563	0.266859	0.266157	0.265456
0.303668	0.303190	0.302713	0.302236	0.301760	0.301285	0.300810	0.300337	0.299864	0.299391
0.336904	0.336707	0.336511	0.336315	0.336119	0.335923	0.335727	0.335531	0.335336	0.335140
0.349718	0.349514	0.349310	0.349106	0.348903	0.348700	0.348496	0.348293	0.348090	0.347887
0.362230	0.362018	0.361807	0.361597	0.361386	0.361175	0.360965	0.360754	0.360544	0.360334
0.374443	0.374225	0.374007	0.373789	0.373571	0.373353	0.373136	0.372918	0.372701	0.372484
0.386363	0.386138	0.385913	0.385688	0.385463	0.385239	0.385014	0.384790	0.384565	0.384341
0.397993	0.397761	0.397529	0.397298	0.397066	0.396835	0.396603	0.396372	0.396141	0.395910
0.409337	0.409099	0.408860	0.408622	0.408384	0.408146	0.407908	0.407670	0.407432	0.407195
0.420399	0.420154	0.419909	0.419664	0.419419	0.419175	0.418931	0.418686	0.418442	0.418198
0.431182	0.430931	0.430679	0.430428	0.430177	0.429927	0.429676	0.429426	0.429175	0.428925
0.441691	0.441433	0.441176	0.440919	0.440662	0.440405	0.440148	0.439892	0.439635	0.439379

2097	2098	2099	2100
0.000241	0.000233	0.000225	0.000217
0.000013	0.000012	0.000012	0.000011
0.000009	0.000009	0.000008	0.000008
0.000006	0.000005	0.000005	0.000005
0.000005	0.000005	0.000005	0.000004
0.000004	0.000004	0.000004	0.000004
0.000004	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000005	0.000004	0.000004	0.000004
0.000005	0.000005	0.000005	0.000005
0.000006	0.000006	0.000006	0.000006
0.000008	0.000008	0.000008	0.000007
0.000012	0.000012	0.000011	0.000011
0.000024	0.000023	0.000023	0.000022
0.000042	0.000041	0.000040	0.000039
0.000056	0.000055	0.000053	0.000052
0.000067	0.000066	0.000064	0.000062
0.000079	0.000077	0.000075	0.000073
0.000100	0.000097	0.000095	0.000093
0.000118	0.000116	0.000114	0.000112
0.000136	0.000134	0.000132	0.000129
0.000165	0.000163	0.000160	0.000158
0.000190	0.000187	0.000184	0.000182
0.000214	0.000211	0.000208	0.000206
0.000247	0.000244	0.000241	0.000238
0.000291	0.000288	0.000284	0.000281
0.000336	0.000332	0.000329	0.000325
0.000378	0.000374	0.000370	0.000366
0.000389	0.000385	0.000381	0.000377
0.000399	0.000394	0.000390	0.000385
0.000383	0.000378	0.000374	0.000369
0.000365	0.000360	0.000355	0.000351
0.000337	0.000332	0.000328	0.000323
0.000309	0.000304	0.000299	0.000294
0.000285	0.000280	0.000275	0.000271
0.000266	0.000261	0.000256	0.000252
0.000255	0.000250	0.000245	0.000241
0.000250	0.000245	0.000240	0.000236
0.000249	0.000244	0.000239	0.000235
0.000249	0.000244	0.000239	0.000234
0.000254	0.000248	0.000243	0.000238
0.000258	0.000253	0.000247	0.000242
0.000263	0.000258	0.000252	0.000246
0.000270	0.000264	0.000258	0.000252
0.000275	0.000268	0.000262	0.000256
0.000279	0.000272	0.000266	0.000260
0.000283	0.000276	0.000269	0.000262
0.000285	0.000278	0.000271	0.000264
0.000288	0.000281	0.000274	0.000267
0.000292	0.000285	0.000277	0.000270
0.000299	0.000291	0.000283	0.000276
0.000310	0.000302	0.000293	0.000286

0.000325	0.000316	0.000307	0.000299
0.000346	0.000337	0.000327	0.000318
0.000373	0.000362	0.000352	0.000342
0.000406	0.000394	0.000383	0.000372
0.000446	0.000434	0.000422	0.000410
0.000494	0.000480	0.000466	0.000453
0.000551	0.000535	0.000520	0.000505
0.000616	0.000598	0.000582	0.000565
0.000693	0.000674	0.000655	0.000637
0.000783	0.000761	0.000740	0.000720
0.000887	0.000863	0.000839	0.000816
0.001008	0.000980	0.000954	0.000928
0.001140	0.001110	0.001080	0.001051
0.001260	0.001226	0.001194	0.001162
0.001388	0.001352	0.001316	0.001281
0.001558	0.001518	0.001478	0.001439
0.001786	0.001740	0.001695	0.001651
0.002085	0.002033	0.001982	0.001932
0.002479	0.002418	0.002359	0.002301
0.002992	0.002921	0.002852	0.002784
0.003652	0.003569	0.003487	0.003408
0.004494	0.004396	0.004300	0.004206
0.005557	0.005441	0.005328	0.005217
0.006884	0.006748	0.006614	0.006483
0.008494	0.008334	0.008178	0.008024
0.010407	0.010220	0.010037	0.009857
0.012639	0.012423	0.012211	0.012002
0.015210	0.014961	0.014716	0.014475
0.018162	0.017877	0.017597	0.017320
0.021549	0.021225	0.020905	0.020590
0.025461	0.025094	0.024732	0.024375
0.030007	0.029593	0.029185	0.028783
0.035456	0.034993	0.034535	0.034084
0.042874	0.042352	0.041836	0.041326
0.053401	0.052811	0.052227	0.051650
0.066433	0.065775	0.065123	0.064478
0.080384	0.079665	0.078952	0.078246
0.093567	0.092795	0.092030	0.091271
0.105735	0.104916	0.104104	0.103297
0.117137	0.116273	0.115415	0.114564
0.128143	0.127235	0.126333	0.125437
0.139165	0.138213	0.137267	0.136328
0.150146	0.149150	0.148161	0.147178
0.161385	0.160345	0.159312	0.158285
0.172850	0.171765	0.170687	0.169616
0.184180	0.183052	0.181930	0.180815
0.215469	0.214387	0.213311	0.212240
0.245670	0.244665	0.243663	0.242666
0.278080	0.277186	0.276294	0.275405
0.305915	0.305184	0.304456	0.303730
0.334868	0.334332	0.333798	0.333264
0.364886	0.364576	0.364265	0.363956
0.395913	0.395858	0.395803	0.395748
0.410870	0.410868	0.410866	0.410863
0.421623	0.421621	0.421618	0.421616
0.432141	0.432139	0.432137	0.432134
0.442427	0.442425	0.442423	0.442420
0.452484	0.452482	0.452480	0.452477
0.462315	0.462313	0.462310	0.462308
0.471922	0.471920	0.471917	0.471915
0.481309	0.481306	0.481304	0.481301

0.490477	0.490475	0.490472	0.490470
0.499430	0.499428	0.499425	0.499423
0.508172	0.508169	0.508166	0.508164
0.516703	0.516701	0.516698	0.516696
1.000000	1.000000	1.000000	1.000000

2097	2098	2099	2100
0.000243	0.000235	0.000227	0.000220
0.000009	0.000008	0.000008	0.000008
0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000006
0.000005	0.000005	0.000005	0.000005
0.000005	0.000005	0.000005	0.000005
0.000004	0.000004	0.000004	0.000004
0.000004	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003
0.000004	0.000004	0.000004	0.000004
0.000006	0.000006	0.000005	0.000005
0.000010	0.000010	0.000010	0.000010
0.000019	0.000018	0.000018	0.000017
0.000028	0.000027	0.000026	0.000026
0.000036	0.000035	0.000035	0.000034
0.000039	0.000039	0.000038	0.000037
0.000039	0.000038	0.000037	0.000037
0.000042	0.000041	0.000040	0.000039
0.000042	0.000042	0.000041	0.000040
0.000043	0.000042	0.000041	0.000040
0.000043	0.000042	0.000041	0.000041
0.000044	0.000043	0.000043	0.000042
0.000047	0.000046	0.000045	0.000044
0.000051	0.000050	0.000049	0.000048
0.000056	0.000055	0.000054	0.000053
0.000063	0.000062	0.000061	0.000060
0.000068	0.000067	0.000066	0.000064
0.000072	0.000071	0.000069	0.000068
0.000073	0.000071	0.000070	0.000068
0.000073	0.000072	0.000070	0.000069
0.000076	0.000075	0.000073	0.000072
0.000078	0.000076	0.000075	0.000073
0.000082	0.000080	0.000079	0.000077
0.000086	0.000084	0.000082	0.000081
0.000090	0.000088	0.000086	0.000084
0.000093	0.000091	0.000089	0.000087
0.000099	0.000097	0.000095	0.000092
0.000106	0.000104	0.000102	0.000099
0.000114	0.000111	0.000109	0.000106
0.000123	0.000120	0.000117	0.000115
0.000132	0.000129	0.000126	0.000123
0.000139	0.000136	0.000133	0.000130
0.000147	0.000144	0.000141	0.000138
0.000155	0.000151	0.000148	0.000144
0.000163	0.000159	0.000156	0.000152
0.000170	0.000166	0.000162	0.000158
0.000180	0.000175	0.000171	0.000167
0.000190	0.000186	0.000181	0.000177
0.000202	0.000198	0.000193	0.000188
0.000215	0.000210	0.000205	0.000200
0.000229	0.000224	0.000218	0.000213

0.000242	0.000236	0.000230	0.000224
0.000255	0.000249	0.000243	0.000237
0.000274	0.000267	0.000261	0.000254
0.000298	0.000291	0.000284	0.000277
0.000335	0.000327	0.000319	0.000311
0.000385	0.000376	0.000367	0.000358
0.000445	0.000435	0.000424	0.000414
0.000508	0.000497	0.000485	0.000474
0.000568	0.000555	0.000542	0.000530
0.000618	0.000604	0.000590	0.000577
0.000663	0.000648	0.000633	0.000618
0.000708	0.000691	0.000675	0.000659
0.000756	0.000738	0.000720	0.000703
0.000811	0.000791	0.000772	0.000754
0.000876	0.000855	0.000835	0.000815
0.000953	0.000930	0.000908	0.000886
0.001050	0.001024	0.001000	0.000975
0.001169	0.001141	0.001113	0.001086
0.001317	0.001285	0.001254	0.001224
0.001497	0.001461	0.001426	0.001392
0.001715	0.001674	0.001634	0.001595
0.001979	0.001933	0.001887	0.001843
0.002309	0.002255	0.002203	0.002152
0.002710	0.002649	0.002588	0.002530
0.003203	0.003131	0.003062	0.002993
0.003807	0.003724	0.003643	0.003564
0.004554	0.004457	0.004362	0.004269
0.005469	0.005356	0.005245	0.005137
0.006610	0.006478	0.006348	0.006220
0.008045	0.007890	0.007737	0.007588
0.009876	0.009693	0.009514	0.009337
0.012209	0.011993	0.011781	0.011573
0.015178	0.014924	0.014675	0.014429
0.018943	0.018645	0.018351	0.018063
0.023731	0.023382	0.023038	0.022700
0.029771	0.029365	0.028964	0.028569
0.037381	0.036912	0.036450	0.035993
0.046920	0.046385	0.045856	0.045334
0.058831	0.058228	0.057632	0.057042
0.072735	0.072070	0.071411	0.070757
0.085801	0.085084	0.084372	0.083667
0.098097	0.097335	0.096578	0.095827
0.110972	0.110169	0.109371	0.108578
0.125910	0.125069	0.124234	0.123404
0.140857	0.139983	0.139115	0.138252
0.155832	0.154929	0.154031	0.153138
0.170810	0.169880	0.168955	0.168035
0.185755	0.184801	0.183851	0.182906
0.225720	0.224871	0.224025	0.223183
0.264758	0.264061	0.263366	0.262673
0.298920	0.298449	0.297979	0.297510
0.334945	0.334750	0.334555	0.334360
0.347685	0.347482	0.347279	0.347077
0.360124	0.359914	0.359704	0.359494
0.372267	0.372050	0.371833	0.371616
0.384117	0.383893	0.383670	0.383446
0.395680	0.395449	0.395218	0.394988
0.406957	0.406720	0.406483	0.406246
0.417955	0.417711	0.417468	0.417224
0.428675	0.428425	0.428176	0.427926
0.439123	0.438867	0.438611	0.438355

0.449301	0.449039	0.448778	0.448516
0.459214	0.458947	0.458679	0.458412
0.468866	0.468593	0.468320	0.468047
0.478260	0.477981	0.477703	0.477424
0.487401	0.487117	0.486833	0.486549
0.496292	0.496002	0.495713	0.495424
1.000000	1.000000	1.000000	1.000000

e°_x - The complete expectation of life of persons aged exactly x

Males	Age	2010	2011	2012	2013	2014	2015	2016
Males	0	80.08	80.34	80.60	80.85	81.09	81.33	81.57
Males	1	79.46	79.71	79.95	80.19	80.43	80.66	80.88
Males	2	78.49	78.73	78.97	79.21	79.45	79.68	79.91
Males	3	77.50	77.75	77.99	78.23	78.46	78.69	78.92
Males	4	76.51	76.76	77.00	77.24	77.47	77.70	77.93
Males	5	75.52	75.77	76.01	76.25	76.48	76.71	76.94
Males	6	74.53	74.78	75.02	75.25	75.49	75.72	75.94
Males	7	73.54	73.78	74.02	74.26	74.49	74.72	74.95
Males	8	72.54	72.79	73.03	73.27	73.50	73.73	73.95
Males	9	71.55	71.79	72.03	72.27	72.50	72.73	72.96
Males	10	70.56	70.80	71.04	71.28	71.51	71.74	71.96
Males	11	69.56	69.81	70.05	70.28	70.51	70.74	70.97
Males	12	68.57	68.81	69.05	69.29	69.52	69.75	69.97
Males	13	67.57	67.82	68.06	68.29	68.53	68.75	68.98
Males	14	66.58	66.82	67.06	67.30	67.53	67.76	67.98
Males	15	65.59	65.83	66.07	66.31	66.54	66.77	66.99
Males	16	64.60	64.85	65.08	65.32	65.55	65.78	66.00
Males	17	63.62	63.86	64.10	64.34	64.57	64.80	65.02
Males	18	62.65	62.89	63.13	63.36	63.59	63.82	64.04
Males	19	61.69	61.92	62.16	62.39	62.62	62.85	63.07
Males	20	60.72	60.96	61.20	61.43	61.66	61.88	62.10
Males	21	59.76	60.00	60.23	60.46	60.69	60.91	61.13
Males	22	58.81	59.04	59.27	59.50	59.73	59.95	60.17
Males	23	57.85	58.08	58.31	58.54	58.77	58.99	59.21
Males	24	56.89	57.12	57.35	57.58	57.81	58.03	58.24
Males	25	55.93	56.16	56.39	56.62	56.84	57.06	57.28
Males	26	54.97	55.20	55.43	55.66	55.88	56.10	56.32
Males	27	54.01	54.24	54.47	54.70	54.92	55.14	55.35
Males	28	53.06	53.29	53.52	53.74	53.96	54.18	54.39
Males	29	52.10	52.33	52.56	52.78	53.01	53.22	53.44
Males	30	51.15	51.38	51.61	51.83	52.05	52.27	52.48
Males	31	50.20	50.43	50.65	50.88	51.10	51.31	51.53
Males	32	49.25	49.47	49.70	49.92	50.14	50.36	50.57
Males	33	48.29	48.52	48.75	48.97	49.19	49.41	49.62
Males	34	47.34	47.57	47.80	48.02	48.24	48.46	48.67
Males	35	46.40	46.62	46.85	47.07	47.29	47.51	47.72
Males	36	45.45	45.67	45.90	46.12	46.34	46.56	46.77
Males	37	44.50	44.72	44.95	45.17	45.39	45.61	45.82
Males	38	43.55	43.78	44.00	44.22	44.44	44.66	44.87
Males	39	42.60	42.83	43.05	43.27	43.49	43.71	43.92
Males	40	41.65	41.88	42.10	42.33	42.54	42.76	42.97
Males	41	40.71	40.93	41.16	41.38	41.60	41.81	42.02
Males	42	39.76	39.99	40.21	40.43	40.65	40.86	41.07
Males	43	38.82	39.05	39.27	39.49	39.71	39.92	40.13
Males	44	37.88	38.11	38.33	38.55	38.76	38.98	39.18
Males	45	36.95	37.17	37.39	37.61	37.82	38.04	38.24
Males	46	36.02	36.24	36.46	36.68	36.89	37.10	37.30
Males	47	35.09	35.31	35.53	35.74	35.95	36.16	36.37
Males	48	34.16	34.38	34.60	34.81	35.02	35.23	35.43
Males	49	33.24	33.46	33.68	33.89	34.10	34.30	34.50
Males	50	32.33	32.54	32.75	32.96	33.17	33.38	33.58
Males	51	31.41	31.63	31.84	32.05	32.25	32.45	32.65
Males	52	30.50	30.71	30.92	31.13	31.33	31.53	31.73
Males	53	29.60	29.81	30.01	30.22	30.42	30.62	30.81
Males	54	28.69	28.90	29.11	29.31	29.51	29.70	29.89
Males	55	27.80	28.00	28.20	28.40	28.60	28.79	28.98

Males	117	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Males	118	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Males	119	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Males	120	0.41	0.41	0.41	0.41	0.41	0.41	0.41

Females	Age	2010	2011	2012	2013	2014	2015	2016
Females	0	84.44	84.62	84.80	84.98	85.16	85.33	85.51
Females	1	83.77	83.95	84.12	84.29	84.46	84.62	84.79
Females	2	82.79	82.97	83.14	83.31	83.48	83.64	83.81
Females	3	81.81	81.98	82.15	82.32	82.49	82.66	82.82
Females	4	80.82	80.99	81.16	81.33	81.50	81.66	81.83
Females	5	79.83	80.00	80.17	80.34	80.51	80.67	80.84
Females	6	78.84	79.01	79.18	79.35	79.51	79.68	79.84
Females	7	77.84	78.01	78.18	78.35	78.52	78.68	78.85
Females	8	76.85	77.02	77.19	77.36	77.52	77.69	77.85
Females	9	75.85	76.02	76.19	76.36	76.53	76.69	76.86
Females	10	74.86	75.03	75.20	75.37	75.53	75.70	75.86
Females	11	73.86	74.03	74.20	74.37	74.54	74.70	74.86
Females	12	72.87	73.04	73.21	73.37	73.54	73.70	73.87
Females	13	71.87	72.04	72.21	72.38	72.54	72.71	72.87
Females	14	70.88	71.05	71.22	71.38	71.55	71.71	71.88
Females	15	69.89	70.06	70.23	70.39	70.56	70.72	70.89
Females	16	68.90	69.07	69.24	69.40	69.57	69.73	69.90
Females	17	67.91	68.08	68.25	68.42	68.58	68.75	68.91
Females	18	66.93	67.10	67.26	67.43	67.60	67.76	67.92
Females	19	65.94	66.11	66.28	66.45	66.61	66.77	66.94
Females	20	64.96	65.13	65.30	65.46	65.63	65.79	65.95
Females	21	63.98	64.14	64.31	64.48	64.64	64.80	64.97
Females	22	62.99	63.16	63.33	63.49	63.66	63.82	63.98
Females	23	62.01	62.18	62.34	62.51	62.67	62.83	62.99
Females	24	61.03	61.19	61.36	61.52	61.69	61.85	62.01
Females	25	60.04	60.21	60.37	60.54	60.70	60.86	61.02
Females	26	59.06	59.22	59.39	59.55	59.72	59.88	60.04
Females	27	58.07	58.24	58.41	58.57	58.73	58.89	59.05
Females	28	57.09	57.26	57.42	57.59	57.75	57.91	58.07
Females	29	56.11	56.28	56.44	56.61	56.77	56.93	57.09
Females	30	55.13	55.30	55.46	55.62	55.79	55.95	56.11
Females	31	54.15	54.32	54.48	54.64	54.81	54.97	55.13
Females	32	53.17	53.34	53.50	53.66	53.83	53.99	54.14
Females	33	52.19	52.36	52.52	52.69	52.85	53.01	53.16
Females	34	51.22	51.38	51.54	51.71	51.87	52.03	52.19
Females	35	50.24	50.40	50.57	50.73	50.89	51.05	51.21
Females	36	49.26	49.43	49.59	49.75	49.91	50.07	50.23
Females	37	48.29	48.45	48.62	48.78	48.94	49.10	49.26
Females	38	47.32	47.48	47.64	47.81	47.97	48.12	48.28
Females	39	46.35	46.51	46.67	46.83	46.99	47.15	47.31
Females	40	45.38	45.54	45.70	45.86	46.02	46.18	46.34
Females	41	44.41	44.58	44.74	44.90	45.06	45.21	45.37
Females	42	43.45	43.61	43.77	43.93	44.09	44.25	44.40
Females	43	42.49	42.65	42.81	42.97	43.12	43.28	43.44
Females	44	41.53	41.69	41.85	42.01	42.16	42.32	42.47
Females	45	40.57	40.73	40.89	41.05	41.20	41.36	41.51
Females	46	39.61	39.77	39.93	40.09	40.25	40.40	40.55
Females	47	38.66	38.82	38.98	39.14	39.29	39.44	39.60
Females	48	37.71	37.87	38.03	38.18	38.34	38.49	38.64
Females	49	36.77	36.93	37.08	37.24	37.39	37.54	37.69
Females	50	35.82	35.98	36.14	36.29	36.44	36.59	36.74
Females	51	34.88	35.04	35.19	35.35	35.50	35.65	35.79
Females	52	33.95	34.10	34.25	34.40	34.55	34.70	34.85

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
81.80	82.03	82.25	82.47	82.69	82.90	83.11	83.31	83.51	83.71
81.11	81.33	81.54	81.75	81.96	82.16	82.36	82.56	82.75	82.94
80.13	80.35	80.56	80.77	80.98	81.18	81.38	81.58	81.77	81.96
79.14	79.36	79.58	79.79	79.99	80.19	80.39	80.59	80.78	80.97
78.15	78.37	78.58	78.79	79.00	79.20	79.40	79.59	79.79	79.97
77.16	77.38	77.59	77.80	78.01	78.21	78.41	78.60	78.79	78.98
76.17	76.38	76.60	76.80	77.01	77.21	77.41	77.60	77.80	77.98
75.17	75.39	75.60	75.81	76.01	76.22	76.41	76.61	76.80	76.99
74.17	74.39	74.60	74.81	75.02	75.22	75.42	75.61	75.80	75.99
73.18	73.40	73.61	73.82	74.02	74.22	74.42	74.62	74.81	74.99
72.18	72.40	72.61	72.82	73.03	73.23	73.42	73.62	73.81	74.00
71.19	71.40	71.62	71.83	72.03	72.23	72.43	72.62	72.81	73.00
70.19	70.41	70.62	70.83	71.03	71.24	71.43	71.63	71.82	72.00
69.20	69.41	69.63	69.83	70.04	70.24	70.44	70.63	70.82	71.01
68.20	68.42	68.63	68.84	69.04	69.24	69.44	69.63	69.82	70.01
67.21	67.43	67.64	67.85	68.05	68.25	68.45	68.64	68.83	69.02
66.22	66.44	66.65	66.86	67.06	67.26	67.46	67.65	67.84	68.02
65.24	65.45	65.66	65.87	66.07	66.27	66.47	66.66	66.85	67.04
64.26	64.47	64.68	64.89	65.09	65.29	65.49	65.68	65.87	66.05
63.29	63.50	63.71	63.91	64.12	64.31	64.51	64.70	64.89	65.07
62.32	62.53	62.74	62.94	63.14	63.34	63.54	63.73	63.91	64.10
61.35	61.56	61.77	61.97	62.17	62.37	62.56	62.75	62.94	63.12
60.38	60.60	60.80	61.01	61.21	61.40	61.59	61.78	61.97	62.15
59.42	59.63	59.84	60.04	60.24	60.43	60.63	60.81	61.00	61.18
58.46	58.66	58.87	59.07	59.27	59.47	59.66	59.85	60.03	60.21
57.49	57.70	57.90	58.11	58.30	58.50	58.69	58.88	59.06	59.24
56.53	56.74	56.94	57.14	57.34	57.53	57.72	57.91	58.09	58.27
55.57	55.77	55.98	56.18	56.37	56.57	56.76	56.94	57.13	57.31
54.60	54.81	55.01	55.21	55.41	55.60	55.79	55.98	56.16	56.34
53.65	53.85	54.06	54.26	54.45	54.64	54.83	55.02	55.20	55.38
52.69	52.90	53.10	53.30	53.49	53.69	53.87	54.06	54.24	54.42
51.74	51.94	52.14	52.34	52.54	52.73	52.92	53.10	53.29	53.46
50.78	50.99	51.19	51.39	51.58	51.78	51.96	52.15	52.33	52.51
49.83	50.04	50.24	50.44	50.63	50.82	51.01	51.20	51.38	51.56
48.88	49.09	49.29	49.49	49.68	49.87	50.06	50.24	50.42	50.60
47.93	48.14	48.34	48.53	48.73	48.92	49.11	49.29	49.47	49.65
46.98	47.18	47.39	47.58	47.78	47.97	48.15	48.34	48.52	48.69
46.03	46.23	46.43	46.63	46.82	47.01	47.20	47.38	47.56	47.74
45.08	45.28	45.48	45.68	45.87	46.06	46.25	46.43	46.61	46.78
44.13	44.33	44.53	44.72	44.92	45.11	45.29	45.47	45.65	45.83
43.18	43.38	43.58	43.77	43.96	44.15	44.34	44.52	44.70	44.87
42.23	42.43	42.63	42.82	43.01	43.20	43.38	43.57	43.74	43.92
41.28	41.48	41.68	41.87	42.06	42.25	42.43	42.61	42.79	42.96
40.33	40.53	40.73	40.92	41.11	41.30	41.48	41.66	41.84	42.01
39.39	39.59	39.78	39.97	40.16	40.35	40.53	40.71	40.89	41.06
38.44	38.64	38.84	39.03	39.22	39.40	39.58	39.76	39.94	40.11
37.50	37.70	37.90	38.09	38.27	38.46	38.64	38.81	38.99	39.16
36.57	36.76	36.96	37.15	37.33	37.51	37.69	37.87	38.04	38.21
35.63	35.83	36.02	36.21	36.39	36.57	36.75	36.93	37.10	37.27
34.70	34.89	35.08	35.27	35.45	35.63	35.81	35.98	36.15	36.32
33.77	33.96	34.15	34.34	34.52	34.70	34.87	35.05	35.21	35.38
32.84	33.04	33.22	33.41	33.59	33.76	33.94	34.11	34.28	34.44
31.92	32.11	32.30	32.48	32.66	32.83	33.00	33.17	33.34	33.50
31.00	31.19	31.37	31.55	31.73	31.90	32.07	32.24	32.40	32.57
30.08	30.27	30.45	30.63	30.80	30.97	31.14	31.31	31.47	31.63
29.17	29.35	29.53	29.71	29.88	30.05	30.22	30.38	30.54	30.70

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
85.68	85.85	86.02	86.18	86.35	86.51	86.68	86.84	87.00	87.16
84.96	85.12	85.28	85.44	85.60	85.76	85.91	86.07	86.22	86.37
83.97	84.14	84.30	84.46	84.61	84.77	84.93	85.08	85.23	85.38
82.98	83.15	83.31	83.47	83.62	83.78	83.93	84.09	84.24	84.39
81.99	82.15	82.31	82.47	82.63	82.79	82.94	83.10	83.25	83.40
81.00	81.16	81.32	81.48	81.64	81.79	81.95	82.10	82.25	82.40
80.01	80.17	80.33	80.49	80.64	80.80	80.95	81.11	81.26	81.41
79.01	79.17	79.33	79.49	79.65	79.80	79.96	80.11	80.26	80.41
78.02	78.18	78.34	78.49	78.65	78.81	78.96	79.11	79.27	79.42
77.02	77.18	77.34	77.50	77.65	77.81	77.96	78.12	78.27	78.42
76.02	76.18	76.34	76.50	76.66	76.81	76.97	77.12	77.27	77.42
75.03	75.19	75.35	75.50	75.66	75.82	75.97	76.12	76.27	76.42
74.03	74.19	74.35	74.51	74.66	74.82	74.97	75.13	75.28	75.43
73.03	73.19	73.35	73.51	73.67	73.82	73.98	74.13	74.28	74.43
72.04	72.20	72.36	72.52	72.67	72.83	72.98	73.13	73.28	73.43
71.05	71.21	71.37	71.52	71.68	71.83	71.99	72.14	72.29	72.44
70.06	70.22	70.38	70.53	70.69	70.84	71.00	71.15	71.30	71.45
69.07	69.23	69.39	69.54	69.70	69.85	70.01	70.16	70.31	70.46
68.08	68.24	68.40	68.56	68.71	68.87	69.02	69.17	69.32	69.47
67.10	67.26	67.41	67.57	67.73	67.88	68.03	68.18	68.33	68.48
66.11	66.27	66.43	66.58	66.74	66.89	67.04	67.20	67.35	67.49
65.13	65.28	65.44	65.60	65.75	65.91	66.06	66.21	66.36	66.51
64.14	64.30	64.46	64.61	64.77	64.92	65.07	65.22	65.37	65.52
63.15	63.31	63.47	63.62	63.78	63.93	64.08	64.23	64.38	64.53
62.17	62.33	62.48	62.64	62.79	62.94	63.10	63.25	63.39	63.54
61.18	61.34	61.50	61.65	61.80	61.96	62.11	62.26	62.41	62.55
60.20	60.35	60.51	60.67	60.82	60.97	61.12	61.27	61.42	61.57
59.21	59.37	59.53	59.68	59.83	59.98	60.14	60.28	60.43	60.58
58.23	58.39	58.54	58.70	58.85	59.00	59.15	59.30	59.45	59.59
57.25	57.40	57.56	57.71	57.86	58.02	58.17	58.32	58.46	58.61
56.26	56.42	56.58	56.73	56.88	57.03	57.18	57.33	57.48	57.63
55.28	55.44	55.59	55.75	55.90	56.05	56.20	56.35	56.50	56.64
54.30	54.46	54.61	54.77	54.92	55.07	55.22	55.37	55.51	55.66
53.32	53.48	53.63	53.79	53.94	54.09	54.24	54.38	54.53	54.68
52.34	52.50	52.65	52.81	52.96	53.11	53.26	53.40	53.55	53.70
51.36	51.52	51.67	51.83	51.98	52.13	52.28	52.42	52.57	52.71
50.39	50.54	50.70	50.85	51.00	51.15	51.30	51.44	51.59	51.74
49.41	49.57	49.72	49.87	50.02	50.17	50.32	50.47	50.61	50.76
48.44	48.59	48.74	48.90	49.05	49.20	49.34	49.49	49.63	49.78
47.46	47.62	47.77	47.92	48.07	48.22	48.37	48.51	48.66	48.80
46.49	46.65	46.80	46.95	47.10	47.25	47.39	47.54	47.68	47.83
45.52	45.68	45.83	45.98	46.13	46.28	46.42	46.57	46.71	46.85
44.56	44.71	44.86	45.01	45.16	45.30	45.45	45.60	45.74	45.88
43.59	43.74	43.89	44.04	44.19	44.34	44.48	44.63	44.77	44.91
42.63	42.78	42.93	43.08	43.22	43.37	43.51	43.66	43.80	43.94
41.66	41.81	41.96	42.11	42.26	42.40	42.55	42.69	42.83	42.97
40.70	40.85	41.00	41.15	41.30	41.44	41.58	41.73	41.87	42.01
39.75	39.90	40.04	40.19	40.34	40.48	40.62	40.76	40.90	41.04
38.79	38.94	39.09	39.23	39.38	39.52	39.66	39.80	39.94	40.08
37.84	37.99	38.13	38.28	38.42	38.56	38.71	38.85	38.98	39.12
36.89	37.04	37.18	37.33	37.47	37.61	37.75	37.89	38.03	38.16
35.94	36.09	36.23	36.37	36.52	36.66	36.80	36.93	37.07	37.21
35.00	35.14	35.28	35.43	35.57	35.71	35.84	35.98	36.12	36.25

34.05	34.20	34.34	34.48	34.62	34.76	34.89	35.03	35.17	35.30
33.11	33.26	33.40	33.54	33.67	33.81	33.95	34.08	34.22	34.35
32.17	32.32	32.46	32.59	32.73	32.87	33.00	33.14	33.27	33.40
31.24	31.38	31.52	31.65	31.79	31.93	32.06	32.19	32.32	32.45
30.31	30.45	30.58	30.72	30.85	30.99	31.12	31.25	31.38	31.51
29.38	29.52	29.65	29.79	29.92	30.05	30.18	30.31	30.44	30.57
28.46	28.59	28.73	28.86	28.99	29.12	29.25	29.38	29.51	29.63
27.54	27.68	27.81	27.94	28.07	28.20	28.33	28.45	28.58	28.70
26.63	26.76	26.89	27.02	27.15	27.28	27.41	27.53	27.66	27.78
25.73	25.86	25.99	26.11	26.24	26.37	26.49	26.62	26.74	26.86
24.83	24.96	25.08	25.21	25.33	25.46	25.58	25.70	25.83	25.95
23.94	24.06	24.19	24.31	24.43	24.56	24.68	24.80	24.92	25.04
23.05	23.17	23.29	23.42	23.54	23.66	23.78	23.89	24.01	24.13
22.16	22.29	22.41	22.53	22.65	22.76	22.88	23.00	23.11	23.23
21.29	21.41	21.52	21.64	21.76	21.87	21.99	22.10	22.22	22.33
20.42	20.53	20.65	20.76	20.88	20.99	21.10	21.22	21.33	21.44
19.55	19.67	19.78	19.89	20.00	20.12	20.23	20.34	20.44	20.55
18.70	18.81	18.92	19.03	19.14	19.25	19.36	19.46	19.57	19.68
17.85	17.96	18.07	18.18	18.28	18.39	18.49	18.60	18.70	18.80
17.02	17.12	17.23	17.33	17.43	17.54	17.64	17.74	17.84	17.94
16.19	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16.99	17.09
15.38	15.48	15.58	15.68	15.77	15.87	15.97	16.06	16.16	16.25
14.58	14.68	14.77	14.87	14.96	15.05	15.15	15.24	15.33	15.42
13.80	13.89	13.98	14.07	14.16	14.25	14.34	14.43	14.52	14.61
13.03	13.11	13.20	13.29	13.37	13.46	13.55	13.63	13.72	13.80
12.28	12.36	12.44	12.52	12.61	12.69	12.77	12.85	12.94	13.02
11.54	11.62	11.70	11.78	11.86	11.94	12.01	12.09	12.17	12.25
10.83	10.91	10.98	11.05	11.13	11.20	11.28	11.35	11.43	11.50
10.14	10.21	10.28	10.35	10.42	10.49	10.56	10.63	10.70	10.77
9.47	9.54	9.60	9.67	9.74	9.80	9.87	9.93	10.00	10.07
8.83	8.89	8.95	9.01	9.08	9.14	9.20	9.26	9.32	9.38
8.21	8.27	8.33	8.38	8.44	8.50	8.56	8.61	8.67	8.73
7.63	7.68	7.73	7.78	7.84	7.89	7.94	7.99	8.05	8.10
7.07	7.12	7.16	7.21	7.26	7.31	7.35	7.40	7.45	7.50
6.54	6.58	6.63	6.67	6.71	6.76	6.80	6.85	6.89	6.93
6.05	6.09	6.13	6.16	6.20	6.24	6.28	6.32	6.36	6.40
5.59	5.62	5.66	5.69	5.73	5.76	5.80	5.84	5.87	5.91
5.17	5.20	5.23	5.26	5.29	5.32	5.35	5.39	5.42	5.45
4.78	4.81	4.84	4.87	4.89	4.92	4.95	4.98	5.01	5.04
4.44	4.46	4.49	4.51	4.54	4.56	4.59	4.61	4.64	4.67
4.14	4.16	4.18	4.20	4.23	4.25	4.27	4.30	4.32	4.34
3.87	3.89	3.91	3.93	3.95	3.97	3.99	4.01	4.03	4.05
3.62	3.64	3.65	3.67	3.69	3.71	3.73	3.74	3.76	3.78
3.39	3.40	3.42	3.43	3.45	3.47	3.48	3.50	3.52	3.53
3.18	3.19	3.20	3.22	3.23	3.25	3.26	3.28	3.29	3.30
2.98	3.00	3.01	3.02	3.03	3.04	3.06	3.07	3.08	3.09
2.81	2.82	2.83	2.84	2.85	2.86	2.87	2.88	2.89	2.90
2.64	2.65	2.65	2.66	2.67	2.68	2.69	2.69	2.70	2.71
2.48	2.48	2.49	2.49	2.50	2.50	2.51	2.51	2.52	2.52
2.35	2.35	2.36	2.36	2.36	2.36	2.37	2.37	2.38	2.38
2.25	2.25	2.25	2.25	2.26	2.26	2.26	2.26	2.27	2.27
2.15	2.16	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17
2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08
1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00
1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93
1.85	1.85	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86
1.78	1.78	1.79	1.79	1.79	1.79	1.79	1.79	1.80	1.80
1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.74	1.74
1.67	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68
1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.63
1.56	1.56	1.56	1.56	1.57	1.57	1.57	1.57	1.57	1.57

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
83.90	84.09	84.28	84.46	84.64	84.81	84.99	85.16	85.33	85.50
83.13	83.31	83.49	83.66	83.84	84.01	84.17	84.34	84.50	84.67
82.14	82.33	82.50	82.68	82.85	83.02	83.19	83.35	83.52	83.68
81.15	81.33	81.51	81.69	81.86	82.03	82.19	82.36	82.52	82.68
80.16	80.34	80.52	80.69	80.86	81.03	81.20	81.36	81.53	81.69
79.16	79.34	79.52	79.70	79.87	80.04	80.20	80.37	80.53	80.69
78.17	78.35	78.53	78.70	78.87	79.04	79.21	79.37	79.53	79.69
77.17	77.35	77.53	77.70	77.87	78.04	78.21	78.37	78.54	78.70
76.17	76.35	76.53	76.71	76.88	77.05	77.21	77.38	77.54	77.70
75.18	75.36	75.53	75.71	75.88	76.05	76.21	76.38	76.54	76.70
74.18	74.36	74.54	74.71	74.88	75.05	75.22	75.38	75.54	75.70
73.18	73.36	73.54	73.71	73.89	74.05	74.22	74.38	74.55	74.71
72.19	72.37	72.54	72.72	72.89	73.06	73.22	73.39	73.55	73.71
71.19	71.37	71.55	71.72	71.89	72.06	72.23	72.39	72.55	72.71
70.19	70.37	70.55	70.72	70.90	71.06	71.23	71.39	71.55	71.71
69.20	69.38	69.56	69.73	69.90	70.07	70.23	70.40	70.56	70.72
68.21	68.39	68.56	68.74	68.91	69.07	69.24	69.40	69.56	69.72
67.22	67.40	67.57	67.75	67.92	68.08	68.25	68.41	68.57	68.73
66.24	66.41	66.59	66.76	66.93	67.10	67.26	67.43	67.59	67.75
65.26	65.43	65.61	65.78	65.95	66.12	66.28	66.44	66.60	66.76
64.28	64.46	64.63	64.80	64.97	65.14	65.30	65.46	65.62	65.78
63.30	63.48	63.66	63.83	64.00	64.16	64.32	64.49	64.65	64.80
62.33	62.51	62.68	62.85	63.02	63.19	63.35	63.51	63.67	63.83
61.36	61.54	61.71	61.88	62.05	62.21	62.38	62.54	62.69	62.85
60.39	60.57	60.74	60.91	61.08	61.24	61.40	61.56	61.72	61.88
59.42	59.60	59.77	59.94	60.10	60.27	60.43	60.59	60.75	60.90
58.45	58.63	58.80	58.97	59.13	59.30	59.46	59.62	59.77	59.93
57.48	57.66	57.83	58.00	58.16	58.33	58.49	58.65	58.80	58.96
56.52	56.69	56.86	57.03	57.20	57.36	57.52	57.68	57.84	57.99
55.56	55.73	55.90	56.07	56.23	56.40	56.56	56.72	56.87	57.03
54.60	54.77	54.94	55.11	55.27	55.44	55.60	55.75	55.91	56.06
53.64	53.81	53.98	54.15	54.31	54.48	54.64	54.79	54.95	55.10
52.68	52.86	53.03	53.19	53.36	53.52	53.68	53.84	53.99	54.15
51.73	51.90	52.07	52.24	52.40	52.56	52.72	52.88	53.04	53.19
50.78	50.95	51.12	51.28	51.45	51.61	51.77	51.92	52.08	52.23
49.82	49.99	50.16	50.33	50.49	50.65	50.81	50.97	51.12	51.27
48.87	49.04	49.21	49.37	49.54	49.70	49.85	50.01	50.16	50.32
47.91	48.08	48.25	48.42	48.58	48.74	48.90	49.05	49.20	49.36
46.96	47.13	47.30	47.46	47.62	47.78	47.94	48.09	48.24	48.39
46.00	46.17	46.34	46.50	46.66	46.82	46.98	47.13	47.28	47.43
45.05	45.21	45.38	45.54	45.70	45.86	46.02	46.17	46.32	46.47
44.09	44.26	44.42	44.58	44.74	44.90	45.06	45.21	45.36	45.51
43.13	43.30	43.47	43.63	43.79	43.94	44.10	44.25	44.40	44.55
42.18	42.35	42.51	42.67	42.83	42.98	43.14	43.29	43.44	43.59
41.23	41.39	41.56	41.72	41.87	42.03	42.18	42.33	42.48	42.63
40.27	40.44	40.60	40.76	40.92	41.07	41.22	41.37	41.52	41.67
39.32	39.49	39.65	39.81	39.96	40.12	40.27	40.42	40.56	40.71
38.38	38.54	38.70	38.86	39.01	39.16	39.31	39.46	39.61	39.75
37.43	37.59	37.75	37.91	38.06	38.21	38.36	38.51	38.66	38.80
36.49	36.65	36.80	36.96	37.11	37.26	37.41	37.56	37.70	37.85
35.54	35.70	35.86	36.01	36.17	36.31	36.46	36.61	36.75	36.89
34.60	34.76	34.92	35.07	35.22	35.37	35.51	35.66	35.80	35.94
33.66	33.82	33.97	34.13	34.27	34.42	34.57	34.71	34.85	34.99
32.72	32.88	33.03	33.18	33.33	33.48	33.62	33.76	33.90	34.04
31.79	31.94	32.09	32.24	32.39	32.53	32.68	32.82	32.96	33.09
30.86	31.01	31.16	31.31	31.45	31.59	31.74	31.87	32.01	32.15

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
87.31	87.47	87.62	87.77	87.93	88.07	88.22	88.37	88.51	88.66
86.52	86.67	86.82	86.96	87.11	87.25	87.40	87.54	87.68	87.82
85.53	85.68	85.83	85.98	86.12	86.26	86.41	86.55	86.69	86.82
84.54	84.69	84.84	84.98	85.13	85.27	85.41	85.55	85.69	85.83
83.55	83.70	83.84	83.99	84.13	84.28	84.42	84.56	84.70	84.83
82.55	82.70	82.85	82.99	83.14	83.28	83.42	83.56	83.70	83.84
81.56	81.71	81.85	82.00	82.14	82.28	82.43	82.57	82.70	82.84
80.56	80.71	80.86	81.00	81.14	81.29	81.43	81.57	81.71	81.84
79.56	79.71	79.86	80.00	80.15	80.29	80.43	80.57	80.71	80.85
78.57	78.71	78.86	79.01	79.15	79.29	79.43	79.57	79.71	79.85
77.57	77.72	77.86	78.01	78.15	78.29	78.44	78.58	78.71	78.85
76.57	76.72	76.87	77.01	77.15	77.30	77.44	77.58	77.72	77.85
75.57	75.72	75.87	76.01	76.16	76.30	76.44	76.58	76.72	76.85
74.58	74.73	74.87	75.02	75.16	75.30	75.44	75.58	75.72	75.86
73.58	73.73	73.88	74.02	74.16	74.31	74.45	74.59	74.72	74.86
72.59	72.74	72.88	73.03	73.17	73.31	73.45	73.59	73.73	73.87
71.60	71.74	71.89	72.03	72.18	72.32	72.46	72.60	72.74	72.87
70.61	70.75	70.90	71.04	71.19	71.33	71.47	71.61	71.74	71.88
69.62	69.76	69.91	70.05	70.20	70.34	70.48	70.62	70.75	70.89
68.63	68.78	68.92	69.06	69.21	69.35	69.49	69.63	69.76	69.90
67.64	67.79	67.93	68.08	68.22	68.36	68.50	68.64	68.77	68.91
66.65	66.80	66.94	67.09	67.23	67.37	67.51	67.65	67.79	67.92
65.67	65.81	65.95	66.10	66.24	66.38	66.52	66.66	66.80	66.93
64.68	64.82	64.97	65.11	65.25	65.39	65.53	65.67	65.81	65.94
63.69	63.83	63.98	64.12	64.26	64.40	64.54	64.68	64.82	64.95
62.70	62.85	62.99	63.13	63.27	63.41	63.55	63.69	63.83	63.96
61.71	61.86	62.00	62.14	62.28	62.42	62.56	62.70	62.84	62.97
60.73	60.87	61.01	61.16	61.30	61.44	61.57	61.71	61.85	61.98
59.74	59.88	60.03	60.17	60.31	60.45	60.59	60.72	60.86	60.99
58.75	58.90	59.04	59.18	59.32	59.46	59.60	59.74	59.87	60.01
57.77	57.91	58.06	58.20	58.34	58.48	58.62	58.75	58.89	59.02
56.79	56.93	57.07	57.21	57.35	57.49	57.63	57.77	57.90	58.04
55.80	55.95	56.09	56.23	56.37	56.51	56.65	56.78	56.92	57.05
54.82	54.96	55.11	55.25	55.39	55.52	55.66	55.80	55.93	56.07
53.84	53.98	54.12	54.26	54.40	54.54	54.68	54.81	54.95	55.08
52.86	53.00	53.14	53.28	53.42	53.56	53.70	53.83	53.96	54.10
51.88	52.02	52.16	52.30	52.44	52.58	52.71	52.85	52.98	53.11
50.90	51.04	51.18	51.32	51.46	51.60	51.73	51.87	52.00	52.13
49.92	50.06	50.20	50.34	50.48	50.62	50.75	50.89	51.02	51.15
48.94	49.09	49.23	49.36	49.50	49.64	49.77	49.91	50.04	50.17
47.97	48.11	48.25	48.39	48.52	48.66	48.79	48.93	49.06	49.19
46.99	47.13	47.27	47.41	47.55	47.68	47.82	47.95	48.08	48.21
46.02	46.16	46.30	46.44	46.57	46.71	46.84	46.97	47.10	47.23
45.05	45.19	45.33	45.46	45.60	45.73	45.87	46.00	46.13	46.26
44.08	44.22	44.36	44.49	44.63	44.76	44.89	45.03	45.16	45.28
43.11	43.25	43.39	43.52	43.66	43.79	43.92	44.05	44.18	44.31
42.15	42.28	42.42	42.55	42.69	42.82	42.95	43.08	43.21	43.34
41.18	41.32	41.45	41.59	41.72	41.85	41.98	42.11	42.24	42.37
40.22	40.35	40.49	40.62	40.75	40.89	41.02	41.14	41.27	41.40
39.26	39.39	39.53	39.66	39.79	39.92	40.05	40.18	40.31	40.43
38.30	38.43	38.57	38.70	38.83	38.96	39.09	39.21	39.34	39.47
37.34	37.47	37.61	37.74	37.87	38.00	38.12	38.25	38.38	38.50
36.39	36.52	36.65	36.78	36.91	37.04	37.16	37.29	37.41	37.54

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
85.66	85.83	85.99	86.15	86.31	86.46	86.62	86.77	86.92	87.07
84.83	84.98	85.14	85.30	85.45	85.60	85.75	85.90	86.05	86.19
83.84	83.99	84.15	84.31	84.46	84.61	84.76	84.91	85.06	85.20
82.84	83.00	83.16	83.31	83.46	83.62	83.77	83.91	84.06	84.21
81.85	82.00	82.16	82.31	82.47	82.62	82.77	82.92	83.06	83.21
80.85	81.01	81.16	81.32	81.47	81.62	81.77	81.92	82.07	82.21
79.85	80.01	80.17	80.32	80.47	80.62	80.77	80.92	81.07	81.21
78.86	79.01	79.17	79.32	79.48	79.63	79.78	79.92	80.07	80.22
77.86	78.01	78.17	78.32	78.48	78.63	78.78	78.93	79.07	79.22
76.86	77.02	77.17	77.33	77.48	77.63	77.78	77.93	78.07	78.22
75.86	76.02	76.17	76.33	76.48	76.63	76.78	76.93	77.08	77.22
74.86	75.02	75.18	75.33	75.48	75.63	75.78	75.93	76.08	76.22
73.87	74.02	74.18	74.33	74.48	74.64	74.78	74.93	75.08	75.22
72.87	73.03	73.18	73.34	73.49	73.64	73.79	73.93	74.08	74.23
71.87	72.03	72.18	72.34	72.49	72.64	72.79	72.94	73.08	73.23
70.88	71.03	71.19	71.34	71.49	71.64	71.79	71.94	72.09	72.23
69.88	70.04	70.19	70.35	70.50	70.65	70.80	70.95	71.09	71.24
68.89	69.05	69.20	69.35	69.51	69.66	69.81	69.95	70.10	70.24
67.90	68.06	68.21	68.37	68.52	68.67	68.82	68.96	69.11	69.25
66.92	67.08	67.23	67.38	67.53	67.68	67.83	67.98	68.12	68.27
65.94	66.09	66.25	66.40	66.55	66.70	66.85	66.99	67.14	67.28
64.96	65.11	65.27	65.42	65.57	65.72	65.87	66.01	66.16	66.30
63.98	64.14	64.29	64.44	64.59	64.74	64.89	65.03	65.18	65.32
63.01	63.16	63.31	63.46	63.61	63.76	63.91	64.05	64.20	64.34
62.03	62.19	62.34	62.49	62.64	62.78	62.93	63.08	63.22	63.36
61.06	61.21	61.36	61.51	61.66	61.81	61.95	62.10	62.24	62.38
60.09	60.24	60.39	60.54	60.69	60.83	60.98	61.12	61.27	61.41
59.11	59.27	59.42	59.57	59.72	59.86	60.01	60.15	60.29	60.43
58.15	58.30	58.45	58.60	58.75	58.89	59.04	59.18	59.32	59.46
57.18	57.33	57.48	57.63	57.78	57.92	58.07	58.21	58.35	58.49
56.22	56.37	56.52	56.67	56.81	56.96	57.10	57.25	57.39	57.53
55.26	55.41	55.56	55.71	55.85	56.00	56.14	56.29	56.43	56.57
54.30	54.45	54.60	54.75	54.89	55.04	55.18	55.32	55.47	55.60
53.34	53.49	53.64	53.79	53.93	54.08	54.22	54.36	54.50	54.64
52.38	52.53	52.68	52.83	52.97	53.12	53.26	53.40	53.54	53.68
51.43	51.57	51.72	51.87	52.02	52.16	52.30	52.44	52.58	52.72
50.47	50.62	50.76	50.91	51.05	51.20	51.34	51.48	51.62	51.76
49.51	49.65	49.80	49.95	50.09	50.24	50.38	50.52	50.66	50.79
48.54	48.69	48.84	48.98	49.13	49.27	49.41	49.55	49.69	49.83
47.58	47.73	47.88	48.02	48.16	48.31	48.45	48.59	48.72	48.86
46.62	46.77	46.91	47.06	47.20	47.34	47.48	47.62	47.76	47.89
45.66	45.80	45.95	46.09	46.23	46.38	46.51	46.65	46.79	46.92
44.70	44.84	44.99	45.13	45.27	45.41	45.55	45.69	45.82	45.96
43.73	43.88	44.02	44.16	44.31	44.45	44.58	44.72	44.86	44.99
42.77	42.92	43.06	43.20	43.34	43.48	43.62	43.76	43.89	44.02
41.81	41.96	42.10	42.24	42.38	42.52	42.65	42.79	42.92	43.06
40.85	41.00	41.14	41.28	41.42	41.56	41.69	41.83	41.96	42.09
39.90	40.04	40.18	40.32	40.46	40.59	40.73	40.86	41.00	41.13
38.94	39.08	39.22	39.36	39.50	39.63	39.77	39.90	40.03	40.17
37.99	38.13	38.27	38.40	38.54	38.68	38.81	38.94	39.07	39.20
37.03	37.17	37.31	37.45	37.58	37.72	37.85	37.98	38.11	38.24
36.08	36.22	36.36	36.49	36.63	36.76	36.89	37.02	37.15	37.28
35.13	35.27	35.40	35.54	35.67	35.80	35.93	36.06	36.19	36.32
34.18	34.32	34.45	34.58	34.72	34.85	34.98	35.11	35.23	35.36
33.23	33.37	33.50	33.63	33.76	33.89	34.02	34.15	34.28	34.40
32.28	32.42	32.55	32.68	32.81	32.94	33.07	33.20	33.32	33.45

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
88.80	88.94	89.08	89.22	89.35	89.49	89.62	89.75	89.88	90.01
87.95	88.09	88.22	88.36	88.49	88.62	88.75	88.87	89.00	89.12
86.96	87.10	87.23	87.36	87.49	87.62	87.75	87.88	88.01	88.13
85.97	86.10	86.24	86.37	86.50	86.63	86.76	86.88	87.01	87.13
84.97	85.11	85.24	85.37	85.50	85.63	85.76	85.89	86.01	86.14
83.97	84.11	84.24	84.38	84.51	84.64	84.76	84.89	85.02	85.14
82.98	83.11	83.25	83.38	83.51	83.64	83.77	83.89	84.02	84.14
81.98	82.12	82.25	82.38	82.51	82.64	82.77	82.90	83.02	83.15
80.98	81.12	81.25	81.38	81.51	81.64	81.77	81.90	82.02	82.15
79.98	80.12	80.25	80.38	80.52	80.64	80.77	80.90	81.02	81.15
78.99	79.12	79.25	79.39	79.52	79.65	79.77	79.90	80.03	80.15
77.99	78.12	78.26	78.39	78.52	78.65	78.78	78.90	79.03	79.15
76.99	77.12	77.26	77.39	77.52	77.65	77.78	77.90	78.03	78.15
75.99	76.13	76.26	76.39	76.52	76.65	76.78	76.91	77.03	77.15
75.00	75.13	75.26	75.39	75.53	75.65	75.78	75.91	76.03	76.16
74.00	74.14	74.27	74.40	74.53	74.66	74.79	74.91	75.04	75.16
73.01	73.14	73.27	73.41	73.54	73.67	73.79	73.92	74.04	74.17
72.02	72.15	72.28	72.41	72.54	72.67	72.80	72.93	73.05	73.17
71.03	71.16	71.29	71.42	71.55	71.68	71.81	71.93	72.06	72.18
70.04	70.17	70.30	70.43	70.56	70.69	70.82	70.94	71.07	71.19
69.05	69.18	69.31	69.44	69.57	69.70	69.83	69.95	70.08	70.20
68.06	68.19	68.32	68.45	68.58	68.71	68.83	68.96	69.08	69.21
67.07	67.20	67.33	67.46	67.59	67.72	67.84	67.97	68.09	68.22
66.07	66.21	66.34	66.47	66.60	66.73	66.85	66.98	67.10	67.22
65.08	65.22	65.35	65.48	65.61	65.73	65.86	65.99	66.11	66.23
64.09	64.23	64.36	64.49	64.62	64.74	64.87	64.99	65.12	65.24
63.10	63.24	63.37	63.50	63.63	63.75	63.88	64.00	64.13	64.25
62.12	62.25	62.38	62.51	62.64	62.76	62.89	63.01	63.14	63.26
61.13	61.26	61.39	61.52	61.65	61.77	61.90	62.02	62.15	62.27
60.14	60.27	60.40	60.53	60.66	60.79	60.91	61.04	61.16	61.28
59.15	59.29	59.42	59.54	59.67	59.80	59.92	60.05	60.17	60.29
58.17	58.30	58.43	58.56	58.69	58.81	58.94	59.06	59.18	59.30
57.18	57.31	57.44	57.57	57.70	57.82	57.95	58.07	58.19	58.32
56.20	56.33	56.46	56.59	56.71	56.84	56.96	57.09	57.21	57.33
55.21	55.34	55.47	55.60	55.73	55.85	55.98	56.10	56.22	56.34
54.23	54.36	54.49	54.61	54.74	54.87	54.99	55.11	55.23	55.35
53.24	53.37	53.50	53.63	53.76	53.88	54.01	54.13	54.25	54.37
52.26	52.39	52.52	52.65	52.77	52.90	53.02	53.14	53.26	53.38
51.28	51.41	51.54	51.66	51.79	51.91	52.04	52.16	52.28	52.40
50.30	50.43	50.56	50.68	50.81	50.93	51.05	51.18	51.30	51.41
49.32	49.45	49.57	49.70	49.83	49.95	50.07	50.19	50.31	50.43
48.34	48.47	48.60	48.72	48.85	48.97	49.09	49.21	49.33	49.45
47.36	47.49	47.62	47.74	47.87	47.99	48.11	48.23	48.35	48.47
46.39	46.51	46.64	46.76	46.89	47.01	47.13	47.25	47.37	47.49
45.41	45.54	45.66	45.79	45.91	46.03	46.15	46.27	46.39	46.51
44.44	44.56	44.69	44.81	44.94	45.06	45.18	45.30	45.41	45.53
43.47	43.59	43.72	43.84	43.96	44.08	44.20	44.32	44.44	44.55
42.49	42.62	42.74	42.87	42.99	43.11	43.23	43.34	43.46	43.58
41.52	41.65	41.77	41.89	42.01	42.13	42.25	42.37	42.49	42.60
40.56	40.68	40.80	40.92	41.04	41.16	41.28	41.40	41.51	41.63
39.59	39.71	39.83	39.95	40.07	40.19	40.31	40.43	40.54	40.66
38.62	38.75	38.87	38.99	39.11	39.22	39.34	39.46	39.57	39.68
37.66	37.78	37.90	38.02	38.14	38.26	38.37	38.49	38.60	38.71

36.70	36.82	36.94	37.06	37.17	37.29	37.41	37.52	37.63	37.74
35.74	35.86	35.97	36.09	36.21	36.32	36.44	36.55	36.67	36.78
34.78	34.90	35.01	35.13	35.25	35.36	35.47	35.59	35.70	35.81
33.82	33.94	34.05	34.17	34.29	34.40	34.51	34.62	34.73	34.84
32.86	32.98	33.10	33.21	33.33	33.44	33.55	33.66	33.77	33.88
31.91	32.03	32.14	32.26	32.37	32.48	32.59	32.70	32.81	32.92
30.96	31.08	31.19	31.30	31.42	31.53	31.64	31.75	31.86	31.96
30.02	30.13	30.25	30.36	30.47	30.58	30.69	30.80	30.90	31.01
29.08	29.19	29.30	29.42	29.53	29.63	29.74	29.85	29.96	30.06
28.15	28.26	28.37	28.48	28.59	28.69	28.80	28.91	29.01	29.12
27.21	27.33	27.43	27.54	27.65	27.76	27.86	27.97	28.07	28.17
26.29	26.40	26.50	26.61	26.72	26.82	26.93	27.03	27.13	27.24
25.36	25.47	25.58	25.68	25.79	25.89	25.99	26.10	26.20	26.30
24.44	24.55	24.65	24.76	24.86	24.96	25.06	25.17	25.27	25.36
23.53	23.63	23.73	23.84	23.94	24.04	24.14	24.24	24.34	24.43
22.61	22.71	22.82	22.92	23.02	23.12	23.22	23.31	23.41	23.51
21.70	21.81	21.90	22.00	22.10	22.20	22.30	22.39	22.49	22.58
20.80	20.90	21.00	21.10	21.19	21.29	21.38	21.48	21.57	21.67
19.91	20.00	20.10	20.19	20.29	20.38	20.48	20.57	20.66	20.75
19.02	19.11	19.21	19.30	19.39	19.48	19.58	19.67	19.76	19.85
18.14	18.23	18.32	18.41	18.50	18.59	18.68	18.77	18.86	18.95
17.27	17.36	17.45	17.54	17.62	17.71	17.80	17.88	17.97	18.06
16.41	16.50	16.58	16.67	16.75	16.84	16.92	17.01	17.09	17.17
15.56	15.64	15.73	15.81	15.89	15.98	16.06	16.14	16.22	16.30
14.72	14.80	14.89	14.97	15.05	15.13	15.21	15.28	15.36	15.44
13.90	13.98	14.06	14.13	14.21	14.29	14.37	14.44	14.52	14.59
13.09	13.17	13.24	13.32	13.39	13.47	13.54	13.61	13.69	13.76
12.31	12.38	12.45	12.52	12.59	12.66	12.73	12.80	12.87	12.94
11.54	11.61	11.67	11.74	11.81	11.88	11.94	12.01	12.08	12.14
10.79	10.85	10.92	10.98	11.05	11.11	11.17	11.24	11.30	11.36
10.06	10.12	10.18	10.24	10.31	10.37	10.43	10.49	10.55	10.61
9.36	9.42	9.48	9.53	9.59	9.65	9.70	9.76	9.81	9.87
8.69	8.74	8.79	8.85	8.90	8.95	9.01	9.06	9.11	9.16
8.04	8.09	8.14	8.19	8.24	8.29	8.34	8.39	8.44	8.48
7.43	7.48	7.52	7.57	7.61	7.66	7.70	7.75	7.79	7.84
6.86	6.90	6.94	6.98	7.02	7.06	7.11	7.15	7.19	7.23
6.32	6.36	6.39	6.43	6.47	6.51	6.54	6.58	6.62	6.66
5.82	5.86	5.89	5.92	5.96	5.99	6.03	6.06	6.09	6.13
5.37	5.40	5.43	5.46	5.49	5.52	5.55	5.58	5.61	5.65
4.96	4.99	5.02	5.05	5.07	5.10	5.13	5.16	5.19	5.21
4.61	4.63	4.66	4.68	4.71	4.73	4.76	4.78	4.81	4.83
4.29	4.31	4.33	4.36	4.38	4.40	4.42	4.45	4.47	4.49
4.00	4.02	4.03	4.05	4.07	4.09	4.11	4.13	4.15	4.17
3.72	3.74	3.76	3.77	3.79	3.81	3.83	3.84	3.86	3.88
3.47	3.49	3.50	3.52	3.53	3.55	3.56	3.58	3.59	3.61
3.24	3.25	3.26	3.28	3.29	3.30	3.32	3.33	3.34	3.36
3.02	3.03	3.04	3.05	3.06	3.07	3.08	3.09	3.10	3.12
2.80	2.81	2.82	2.83	2.84	2.85	2.86	2.86	2.87	2.88
2.59	2.60	2.60	2.61	2.61	2.62	2.63	2.63	2.64	2.65
2.42	2.43	2.43	2.43	2.44	2.44	2.45	2.45	2.45	2.46
2.30	2.30	2.30	2.30	2.31	2.31	2.31	2.31	2.32	2.32
2.19	2.19	2.19	2.19	2.19	2.20	2.20	2.20	2.20	2.20
2.10	2.10	2.10	2.11	2.11	2.11	2.11	2.11	2.11	2.11
2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03
1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96
1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89
1.81	1.81	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82
1.75	1.75	1.75	1.76	1.76	1.76	1.76	1.76	1.76	1.76
1.69	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.71
1.64	1.64	1.64	1.64	1.65	1.65	1.65	1.65	1.65	1.65
1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.60	1.60	1.60

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
87.22	87.37	87.51	87.66	87.80	87.94	88.08	88.22	88.35	88.49
86.34	86.48	86.62	86.76	86.90	87.04	87.17	87.31	87.44	87.57
85.35	85.49	85.63	85.77	85.91	86.04	86.18	86.31	86.45	86.58
84.35	84.49	84.63	84.77	84.91	85.05	85.18	85.32	85.45	85.58
83.35	83.50	83.64	83.78	83.91	84.05	84.19	84.32	84.45	84.59
82.36	82.50	82.64	82.78	82.92	83.05	83.19	83.32	83.46	83.59
81.36	81.50	81.64	81.78	81.92	82.05	82.19	82.32	82.46	82.59
80.36	80.50	80.64	80.78	80.92	81.06	81.19	81.33	81.46	81.59
79.36	79.50	79.64	79.78	79.92	80.06	80.19	80.33	80.46	80.59
78.36	78.50	78.65	78.78	78.92	79.06	79.19	79.33	79.46	79.59
77.36	77.51	77.65	77.79	77.92	78.06	78.20	78.33	78.46	78.59
76.37	76.51	76.65	76.79	76.92	77.06	77.20	77.33	77.46	77.59
75.37	75.51	75.65	75.79	75.93	76.06	76.20	76.33	76.46	76.60
74.37	74.51	74.65	74.79	74.93	75.06	75.20	75.33	75.47	75.60
73.37	73.51	73.65	73.79	73.93	74.07	74.20	74.34	74.47	74.60
72.37	72.52	72.66	72.80	72.93	73.07	73.20	73.34	73.47	73.60
71.38	71.52	71.66	71.80	71.94	72.07	72.21	72.34	72.47	72.60
70.39	70.53	70.67	70.81	70.94	71.08	71.21	71.35	71.48	71.61
69.40	69.54	69.68	69.82	69.95	70.09	70.22	70.36	70.49	70.62
68.41	68.55	68.69	68.83	68.96	69.10	69.23	69.37	69.50	69.63
67.42	67.56	67.70	67.84	67.98	68.11	68.25	68.38	68.51	68.64
66.44	66.58	66.72	66.86	66.99	67.13	67.26	67.39	67.53	67.65
65.46	65.60	65.74	65.88	66.01	66.15	66.28	66.41	66.54	66.67
64.48	64.62	64.76	64.89	65.03	65.16	65.30	65.43	65.56	65.69
63.50	63.64	63.78	63.91	64.05	64.18	64.32	64.45	64.58	64.71
62.52	62.66	62.80	62.94	63.07	63.21	63.34	63.47	63.60	63.73
61.55	61.69	61.82	61.96	62.09	62.23	62.36	62.49	62.62	62.75
60.57	60.71	60.85	60.99	61.12	61.25	61.38	61.52	61.64	61.77
59.60	59.74	59.88	60.01	60.15	60.28	60.41	60.54	60.67	60.80
58.63	58.77	58.91	59.04	59.18	59.31	59.44	59.57	59.70	59.83
57.67	57.81	57.94	58.08	58.21	58.34	58.47	58.60	58.73	58.86
56.70	56.84	56.98	57.11	57.25	57.38	57.51	57.64	57.77	57.89
55.74	55.88	56.02	56.15	56.28	56.41	56.54	56.67	56.80	56.93
54.78	54.92	55.05	55.19	55.32	55.45	55.58	55.71	55.84	55.96
53.82	53.96	54.09	54.22	54.36	54.49	54.62	54.75	54.87	55.00
52.86	52.99	53.13	53.26	53.39	53.52	53.65	53.78	53.91	54.03
51.89	52.03	52.16	52.30	52.43	52.56	52.69	52.81	52.94	53.07
50.93	51.06	51.20	51.33	51.46	51.59	51.72	51.85	51.97	52.10
49.96	50.10	50.23	50.36	50.49	50.62	50.75	50.88	51.00	51.13
49.00	49.13	49.26	49.39	49.52	49.65	49.78	49.91	50.03	50.15
48.03	48.16	48.29	48.42	48.55	48.68	48.81	48.93	49.06	49.18
47.06	47.19	47.32	47.45	47.58	47.71	47.84	47.96	48.09	48.21
46.09	46.22	46.35	46.48	46.61	46.74	46.87	46.99	47.11	47.24
45.12	45.25	45.39	45.51	45.64	45.77	45.89	46.02	46.14	46.26
44.16	44.29	44.42	44.55	44.67	44.80	44.92	45.05	45.17	45.29
43.19	43.32	43.45	43.58	43.70	43.83	43.95	44.08	44.20	44.32
42.22	42.35	42.48	42.61	42.74	42.86	42.98	43.11	43.23	43.35
41.26	41.39	41.52	41.64	41.77	41.89	42.02	42.14	42.26	42.38
40.30	40.42	40.55	40.68	40.80	40.92	41.05	41.17	41.29	41.41
39.33	39.46	39.59	39.71	39.84	39.96	40.08	40.20	40.32	40.44
38.37	38.50	38.62	38.75	38.87	38.99	39.11	39.23	39.35	39.47
37.41	37.53	37.66	37.78	37.90	38.03	38.15	38.27	38.38	38.50
36.45	36.57	36.70	36.82	36.94	37.06	37.18	37.30	37.42	37.53
35.49	35.61	35.73	35.86	35.98	36.10	36.21	36.33	36.45	36.56
34.53	34.65	34.77	34.89	35.01	35.13	35.25	35.37	35.48	35.60
33.57	33.69	33.81	33.93	34.05	34.17	34.29	34.40	34.52	34.63

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
90.14	90.26	90.39	90.51	90.63	90.75	90.87	90.99	91.11	91.22
89.25	89.37	89.49	89.61	89.73	89.85	89.97	90.08	90.19	90.31
88.25	88.38	88.50	88.62	88.74	88.85	88.97	89.09	89.20	89.31
87.26	87.38	87.50	87.62	87.74	87.86	87.97	88.09	88.20	88.31
86.26	86.38	86.50	86.62	86.74	86.86	86.98	87.09	87.20	87.32
85.26	85.39	85.51	85.63	85.74	85.86	85.98	86.09	86.21	86.32
84.27	84.39	84.51	84.63	84.75	84.86	84.98	85.09	85.21	85.32
83.27	83.39	83.51	83.63	83.75	83.87	83.98	84.10	84.21	84.32
82.27	82.39	82.51	82.63	82.75	82.87	82.98	83.10	83.21	83.32
81.27	81.39	81.51	81.63	81.75	81.87	81.98	82.10	82.21	82.32
80.27	80.39	80.52	80.63	80.75	80.87	80.99	81.10	81.21	81.33
79.27	79.40	79.52	79.64	79.75	79.87	79.99	80.10	80.21	80.33
78.28	78.40	78.52	78.64	78.76	78.87	78.99	79.10	79.22	79.33
77.28	77.40	77.52	77.64	77.76	77.87	77.99	78.10	78.22	78.33
76.28	76.40	76.52	76.64	76.76	76.88	76.99	77.11	77.22	77.33
75.28	75.41	75.53	75.65	75.76	75.88	76.00	76.11	76.22	76.33
74.29	74.41	74.53	74.65	74.77	74.88	75.00	75.11	75.23	75.34
73.30	73.42	73.54	73.66	73.77	73.89	74.01	74.12	74.23	74.35
72.30	72.43	72.55	72.66	72.78	72.90	73.01	73.13	73.24	73.35
71.31	71.43	71.55	71.67	71.79	71.91	72.02	72.13	72.25	72.36
70.32	70.44	70.56	70.68	70.80	70.91	71.03	71.14	71.25	71.37
69.33	69.45	69.57	69.69	69.80	69.92	70.04	70.15	70.26	70.37
68.34	68.46	68.58	68.70	68.81	68.93	69.04	69.16	69.27	69.38
67.35	67.47	67.59	67.70	67.82	67.94	68.05	68.16	68.28	68.39
66.35	66.47	66.59	66.71	66.83	66.94	67.06	67.17	67.28	67.39
65.36	65.48	65.60	65.72	65.84	65.95	66.06	66.18	66.29	66.40
64.37	64.49	64.61	64.73	64.84	64.96	65.07	65.19	65.30	65.41
63.38	63.50	63.62	63.74	63.85	63.97	64.08	64.19	64.31	64.42
62.39	62.51	62.63	62.75	62.86	62.98	63.09	63.20	63.31	63.42
61.40	61.52	61.64	61.76	61.87	61.99	62.10	62.21	62.32	62.43
60.41	60.53	60.65	60.77	60.88	61.00	61.11	61.22	61.33	61.44
59.42	59.54	59.66	59.78	59.89	60.01	60.12	60.23	60.34	60.45
58.44	58.55	58.67	58.79	58.90	59.02	59.13	59.24	59.35	59.46
57.45	57.57	57.68	57.80	57.92	58.03	58.14	58.25	58.36	58.47
56.46	56.58	56.70	56.81	56.93	57.04	57.15	57.26	57.38	57.48
55.47	55.59	55.71	55.82	55.94	56.05	56.17	56.28	56.39	56.50
54.49	54.61	54.72	54.84	54.95	55.07	55.18	55.29	55.40	55.51
53.50	53.62	53.74	53.85	53.97	54.08	54.19	54.30	54.41	54.52
52.52	52.63	52.75	52.87	52.98	53.09	53.20	53.31	53.42	53.53
51.53	51.65	51.77	51.88	51.99	52.11	52.22	52.33	52.44	52.54
50.55	50.67	50.78	50.90	51.01	51.12	51.23	51.34	51.45	51.56
49.57	49.68	49.80	49.91	50.02	50.14	50.25	50.36	50.47	50.57
48.58	48.70	48.82	48.93	49.04	49.15	49.26	49.37	49.48	49.59
47.60	47.72	47.83	47.95	48.06	48.17	48.28	48.39	48.50	48.60
46.62	46.74	46.85	46.97	47.08	47.19	47.30	47.41	47.52	47.62
45.65	45.76	45.87	45.99	46.10	46.21	46.32	46.43	46.53	46.64
44.67	44.78	44.90	45.01	45.12	45.23	45.34	45.45	45.55	45.66
43.69	43.81	43.92	44.03	44.14	44.25	44.36	44.47	44.57	44.68
42.72	42.83	42.94	43.05	43.16	43.27	43.38	43.49	43.59	43.70
41.74	41.85	41.97	42.08	42.19	42.29	42.40	42.51	42.61	42.72
40.77	40.88	40.99	41.10	41.21	41.32	41.43	41.53	41.64	41.74
39.80	39.91	40.02	40.13	40.24	40.34	40.45	40.56	40.66	40.76
38.83	38.94	39.05	39.15	39.26	39.37	39.48	39.58	39.68	39.79

37.86	37.97	38.08	38.18	38.29	38.40	38.50	38.61	38.71	38.81
36.89	37.00	37.11	37.21	37.32	37.42	37.53	37.63	37.74	37.84
35.92	36.03	36.14	36.24	36.35	36.45	36.56	36.66	36.76	36.86
34.95	35.06	35.17	35.27	35.38	35.48	35.59	35.69	35.79	35.89
33.99	34.10	34.20	34.31	34.41	34.52	34.62	34.72	34.82	34.92
33.03	33.13	33.24	33.34	33.45	33.55	33.65	33.75	33.85	33.95
32.07	32.18	32.28	32.38	32.49	32.59	32.69	32.79	32.89	32.99
31.12	31.22	31.32	31.43	31.53	31.63	31.73	31.83	31.93	32.03
30.17	30.27	30.37	30.47	30.58	30.68	30.77	30.87	30.97	31.07
29.22	29.32	29.42	29.53	29.63	29.72	29.82	29.92	30.02	30.11
28.28	28.38	28.48	28.58	28.68	28.78	28.87	28.97	29.07	29.16
27.34	27.44	27.54	27.63	27.73	27.83	27.93	28.02	28.12	28.21
26.40	26.50	26.60	26.69	26.79	26.89	26.98	27.08	27.17	27.26
25.46	25.56	25.66	25.75	25.85	25.94	26.04	26.13	26.22	26.32
24.53	24.63	24.72	24.82	24.91	25.01	25.10	25.19	25.28	25.37
23.60	23.70	23.79	23.89	23.98	24.07	24.16	24.25	24.34	24.43
22.68	22.77	22.86	22.96	23.05	23.14	23.23	23.32	23.41	23.49
21.76	21.85	21.94	22.03	22.12	22.21	22.30	22.39	22.47	22.56
20.84	20.93	21.02	21.11	21.20	21.29	21.37	21.46	21.55	21.63
19.94	20.02	20.11	20.20	20.28	20.37	20.46	20.54	20.62	20.71
19.03	19.12	19.21	19.29	19.38	19.46	19.54	19.63	19.71	19.79
18.14	18.22	18.31	18.39	18.47	18.56	18.64	18.72	18.80	18.88
17.26	17.34	17.42	17.50	17.58	17.66	17.74	17.82	17.90	17.98
16.38	16.46	16.54	16.62	16.70	16.78	16.85	16.93	17.01	17.08
15.52	15.60	15.67	15.75	15.82	15.90	15.98	16.05	16.12	16.20
14.67	14.74	14.82	14.89	14.96	15.04	15.11	15.18	15.25	15.33
13.83	13.90	13.98	14.05	14.12	14.19	14.26	14.33	14.40	14.47
13.01	13.08	13.15	13.22	13.29	13.35	13.42	13.49	13.56	13.62
12.21	12.28	12.34	12.41	12.47	12.54	12.60	12.67	12.73	12.79
11.43	11.49	11.55	11.61	11.68	11.74	11.80	11.86	11.92	11.98
10.66	10.72	10.78	10.84	10.90	10.96	11.02	11.08	11.13	11.19
9.93	9.98	10.04	10.09	10.15	10.20	10.26	10.31	10.37	10.42
9.22	9.27	9.32	9.37	9.42	9.48	9.53	9.58	9.63	9.68
8.53	8.58	8.63	8.68	8.73	8.78	8.82	8.87	8.92	8.97
7.88	7.93	7.97	8.02	8.06	8.11	8.15	8.20	8.24	8.29
7.27	7.31	7.35	7.39	7.44	7.48	7.52	7.56	7.60	7.64
6.70	6.73	6.77	6.81	6.85	6.88	6.92	6.96	7.00	7.03
6.16	6.20	6.23	6.27	6.30	6.33	6.37	6.40	6.44	6.47
5.68	5.71	5.74	5.77	5.80	5.83	5.86	5.89	5.92	5.95
5.24	5.27	5.30	5.32	5.35	5.38	5.41	5.43	5.46	5.49
4.86	4.88	4.91	4.93	4.96	4.98	5.01	5.03	5.06	5.08
4.51	4.53	4.56	4.58	4.60	4.62	4.65	4.67	4.69	4.71
4.19	4.21	4.23	4.25	4.27	4.29	4.31	4.33	4.35	4.37
3.90	3.91	3.93	3.95	3.97	3.98	4.00	4.02	4.03	4.05
3.62	3.64	3.65	3.67	3.68	3.70	3.71	3.73	3.74	3.76
3.37	3.38	3.39	3.41	3.42	3.43	3.45	3.46	3.47	3.49
3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
2.89	2.90	2.91	2.92	2.92	2.93	2.94	2.95	2.96	2.97
2.65	2.66	2.66	2.67	2.68	2.68	2.69	2.69	2.70	2.71
2.46	2.47	2.47	2.47	2.48	2.48	2.49	2.49	2.49	2.50
2.32	2.32	2.33	2.33	2.33	2.33	2.34	2.34	2.34	2.34
2.20	2.20	2.21	2.21	2.21	2.21	2.21	2.21	2.22	2.22
2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.13	2.13	2.13
2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05
1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97
1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.90	1.90
1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84
1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78
1.71	1.71	1.71	1.71	1.71	1.71	1.72	1.72	1.72	1.72
1.65	1.65	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
1.60	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.61

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
88.62	88.75	88.88	89.01	89.14	89.27	89.39	89.52	89.64	89.76
87.70	87.83	87.96	88.09	88.21	88.34	88.46	88.58	88.70	88.82
86.71	86.84	86.97	87.09	87.22	87.34	87.47	87.59	87.71	87.83
85.71	85.84	85.97	86.10	86.22	86.35	86.47	86.59	86.71	86.83
84.72	84.84	84.97	85.10	85.22	85.35	85.47	85.59	85.71	85.83
83.72	83.85	83.97	84.10	84.23	84.35	84.47	84.59	84.71	84.83
82.72	82.85	82.97	83.10	83.23	83.35	83.47	83.59	83.71	83.83
81.72	81.85	81.98	82.10	82.23	82.35	82.47	82.60	82.72	82.83
80.72	80.85	80.98	81.10	81.23	81.35	81.47	81.60	81.72	81.84
79.72	79.85	79.98	80.10	80.23	80.35	80.48	80.60	80.72	80.84
78.72	78.85	78.98	79.11	79.23	79.35	79.48	79.60	79.72	79.84
77.72	77.85	77.98	78.11	78.23	78.35	78.48	78.60	78.72	78.84
76.73	76.85	76.98	77.11	77.23	77.36	77.48	77.60	77.72	77.84
75.73	75.86	75.98	76.11	76.23	76.36	76.48	76.60	76.72	76.84
74.73	74.86	74.98	75.11	75.24	75.36	75.48	75.60	75.72	75.84
73.73	73.86	73.99	74.11	74.24	74.36	74.48	74.60	74.72	74.84
72.73	72.86	72.99	73.12	73.24	73.36	73.49	73.61	73.73	73.85
71.74	71.87	71.99	72.12	72.24	72.37	72.49	72.61	72.73	72.85
70.75	70.88	71.00	71.13	71.25	71.38	71.50	71.62	71.74	71.86
69.76	69.89	70.01	70.14	70.26	70.38	70.51	70.63	70.75	70.86
68.77	68.90	69.02	69.15	69.27	69.40	69.52	69.64	69.76	69.87
67.78	67.91	68.04	68.16	68.29	68.41	68.53	68.65	68.77	68.89
66.80	66.93	67.05	67.18	67.30	67.42	67.54	67.66	67.78	67.90
65.82	65.94	66.07	66.19	66.32	66.44	66.56	66.68	66.80	66.91
64.83	64.96	65.09	65.21	65.33	65.45	65.57	65.69	65.81	65.93
63.85	63.98	64.11	64.23	64.35	64.47	64.59	64.71	64.83	64.95
62.88	63.00	63.13	63.25	63.37	63.49	63.61	63.73	63.85	63.97
61.90	62.02	62.15	62.27	62.39	62.51	62.63	62.75	62.87	62.99
60.92	61.05	61.17	61.30	61.42	61.54	61.66	61.78	61.89	62.01
59.95	60.08	60.20	60.32	60.45	60.57	60.69	60.80	60.92	61.04
58.98	59.11	59.23	59.35	59.48	59.60	59.71	59.83	59.95	60.06
58.02	58.14	58.27	58.39	58.51	58.63	58.75	58.86	58.98	59.10
57.05	57.18	57.30	57.42	57.54	57.66	57.78	57.90	58.01	58.13
56.09	56.21	56.33	56.46	56.58	56.70	56.81	56.93	57.05	57.16
55.12	55.25	55.37	55.49	55.61	55.73	55.85	55.96	56.08	56.19
54.16	54.28	54.40	54.52	54.64	54.76	54.88	54.99	55.11	55.22
53.19	53.31	53.43	53.55	53.67	53.79	53.91	54.02	54.14	54.25
52.22	52.34	52.46	52.58	52.70	52.82	52.94	53.05	53.17	53.28
51.25	51.37	51.49	51.61	51.73	51.85	51.96	52.08	52.19	52.30
50.28	50.40	50.52	50.64	50.76	50.87	50.99	51.10	51.22	51.33
49.30	49.42	49.54	49.66	49.78	49.90	50.01	50.13	50.24	50.35
48.33	48.45	48.57	48.69	48.81	48.92	49.04	49.15	49.26	49.37
47.36	47.48	47.60	47.71	47.83	47.95	48.06	48.17	48.29	48.40
46.38	46.50	46.62	46.74	46.86	46.97	47.08	47.20	47.31	47.42
45.41	45.53	45.65	45.77	45.88	46.00	46.11	46.22	46.33	46.44
44.44	44.56	44.68	44.79	44.91	45.02	45.13	45.25	45.36	45.47
43.47	43.59	43.70	43.82	43.93	44.05	44.16	44.27	44.38	44.49
42.50	42.61	42.73	42.85	42.96	43.07	43.18	43.30	43.41	43.51
41.53	41.64	41.76	41.87	41.99	42.10	42.21	42.32	42.43	42.54
40.56	40.67	40.79	40.90	41.01	41.13	41.24	41.35	41.46	41.56
39.59	39.70	39.82	39.93	40.04	40.15	40.26	40.37	40.48	40.59
38.62	38.73	38.85	38.96	39.07	39.18	39.29	39.40	39.51	39.61
37.65	37.76	37.87	37.99	38.10	38.21	38.32	38.43	38.53	38.64
36.68	36.79	36.90	37.02	37.13	37.24	37.34	37.45	37.56	37.66
35.71	35.82	35.94	36.05	36.16	36.26	36.37	36.48	36.58	36.69
34.74	34.86	34.97	35.08	35.19	35.29	35.40	35.51	35.61	35.72

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2057	2058	2059	2060	2061	2062	2063	2064	2065	2066
91.34	91.45	91.56	91.67	91.78	91.89	92.00	92.11	92.21	92.31
90.42	90.53	90.64	90.75	90.86	90.96	91.07	91.17	91.27	91.38
89.42	89.53	89.64	89.75	89.86	89.96	90.07	90.17	90.28	90.38
88.43	88.54	88.65	88.75	88.86	88.97	89.07	89.18	89.28	89.38
87.43	87.54	87.65	87.76	87.86	87.97	88.07	88.18	88.28	88.38
86.43	86.54	86.65	86.76	86.86	86.97	87.08	87.18	87.28	87.38
85.43	85.54	85.65	85.76	85.87	85.97	86.08	86.18	86.28	86.39
84.43	84.54	84.65	84.76	84.87	84.97	85.08	85.18	85.28	85.39
83.43	83.54	83.65	83.76	83.87	83.97	84.08	84.18	84.29	84.39
82.44	82.55	82.65	82.76	82.87	82.98	83.08	83.18	83.29	83.39
81.44	81.55	81.66	81.76	81.87	81.98	82.08	82.18	82.29	82.39
80.44	80.55	80.66	80.76	80.87	80.98	81.08	81.19	81.29	81.39
79.44	79.55	79.66	79.77	79.87	79.98	80.08	80.19	80.29	80.39
78.44	78.55	78.66	78.77	78.87	78.98	79.08	79.19	79.29	79.39
77.44	77.55	77.66	77.77	77.88	77.98	78.09	78.19	78.29	78.39
76.45	76.56	76.66	76.77	76.88	76.98	77.09	77.19	77.29	77.40
75.45	75.56	75.67	75.78	75.88	75.99	76.09	76.20	76.30	76.40
74.46	74.57	74.67	74.78	74.89	74.99	75.10	75.20	75.30	75.40
73.46	73.57	73.68	73.79	73.89	74.00	74.10	74.21	74.31	74.41
72.47	72.58	72.69	72.79	72.90	73.01	73.11	73.21	73.31	73.42
71.48	71.59	71.69	71.80	71.91	72.01	72.12	72.22	72.32	72.42
70.48	70.59	70.70	70.81	70.91	71.02	71.12	71.22	71.33	71.43
69.49	69.60	69.71	69.81	69.92	70.02	70.13	70.23	70.33	70.43
68.50	68.61	68.71	68.82	68.93	69.03	69.13	69.24	69.34	69.44
67.50	67.61	67.72	67.83	67.93	68.04	68.14	68.24	68.34	68.44
66.51	66.62	66.73	66.83	66.94	67.04	67.15	67.25	67.35	67.45
65.52	65.63	65.73	65.84	65.95	66.05	66.15	66.26	66.36	66.46
64.53	64.63	64.74	64.85	64.95	65.06	65.16	65.26	65.36	65.46
63.53	63.64	63.75	63.86	63.96	64.06	64.17	64.27	64.37	64.47
62.54	62.65	62.76	62.86	62.97	63.07	63.18	63.28	63.38	63.48
61.55	61.66	61.77	61.87	61.98	62.08	62.18	62.29	62.39	62.49
60.56	60.67	60.78	60.88	60.99	61.09	61.19	61.29	61.40	61.49
59.57	59.68	59.79	59.89	60.00	60.10	60.20	60.30	60.40	60.50
58.58	58.69	58.80	58.90	59.01	59.11	59.21	59.31	59.41	59.51
57.59	57.70	57.81	57.91	58.02	58.12	58.22	58.32	58.42	58.52
56.60	56.71	56.82	56.92	57.03	57.13	57.23	57.33	57.43	57.53
55.62	55.72	55.83	55.93	56.04	56.14	56.24	56.34	56.44	56.54
54.63	54.73	54.84	54.94	55.05	55.15	55.25	55.35	55.45	55.55
53.64	53.75	53.85	53.95	54.06	54.16	54.26	54.36	54.46	54.56
52.65	52.76	52.86	52.97	53.07	53.17	53.27	53.37	53.47	53.57
51.67	51.77	51.88	51.98	52.08	52.18	52.28	52.38	52.48	52.58
50.68	50.79	50.89	50.99	51.10	51.20	51.30	51.40	51.50	51.59
49.69	49.80	49.90	50.01	50.11	50.21	50.31	50.41	50.51	50.61
48.71	48.82	48.92	49.02	49.12	49.22	49.32	49.42	49.52	49.62
47.73	47.83	47.94	48.04	48.14	48.24	48.34	48.44	48.54	48.63
46.74	46.85	46.95	47.05	47.16	47.26	47.35	47.45	47.55	47.65
45.76	45.87	45.97	46.07	46.17	46.27	46.37	46.47	46.57	46.66
44.78	44.89	44.99	45.09	45.19	45.29	45.39	45.49	45.58	45.68
43.80	43.90	44.01	44.11	44.21	44.31	44.40	44.50	44.60	44.69
42.82	42.92	43.03	43.13	43.23	43.32	43.42	43.52	43.62	43.71
41.84	41.95	42.05	42.15	42.25	42.34	42.44	42.54	42.63	42.73
40.87	40.97	41.07	41.17	41.27	41.36	41.46	41.56	41.65	41.75
39.89	39.99	40.09	40.19	40.29	40.39	40.48	40.58	40.67	40.77

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
89.88	90.00	90.12	90.24	90.35	90.47	90.58	90.69	90.80	90.91
88.94	89.06	89.18	89.29	89.40	89.52	89.63	89.74	89.85	89.96
87.95	88.06	88.18	88.29	88.41	88.52	88.63	88.74	88.85	88.96
86.95	87.07	87.18	87.30	87.41	87.52	87.63	87.74	87.85	87.96
85.95	86.07	86.18	86.30	86.41	86.52	86.63	86.75	86.85	86.96
84.95	85.07	85.18	85.30	85.41	85.52	85.64	85.75	85.86	85.96
83.95	84.07	84.18	84.30	84.41	84.53	84.64	84.75	84.86	84.96
82.95	83.07	83.19	83.30	83.41	83.53	83.64	83.75	83.86	83.97
81.95	82.07	82.19	82.30	82.41	82.53	82.64	82.75	82.86	82.97
80.95	81.07	81.19	81.30	81.41	81.53	81.64	81.75	81.86	81.97
79.95	80.07	80.19	80.30	80.42	80.53	80.64	80.75	80.86	80.97
78.96	79.07	79.19	79.30	79.42	79.53	79.64	79.75	79.86	79.97
77.96	78.07	78.19	78.30	78.42	78.53	78.64	78.75	78.86	78.97
76.96	77.07	77.19	77.30	77.42	77.53	77.64	77.75	77.86	77.97
75.96	76.08	76.19	76.31	76.42	76.53	76.64	76.75	76.86	76.97
74.96	75.08	75.19	75.31	75.42	75.53	75.64	75.75	75.86	75.97
73.96	74.08	74.19	74.31	74.42	74.53	74.65	74.76	74.86	74.97
72.97	73.08	73.20	73.31	73.43	73.54	73.65	73.76	73.87	73.98
71.97	72.09	72.20	72.32	72.43	72.54	72.65	72.76	72.87	72.98
70.98	71.10	71.21	71.33	71.44	71.55	71.66	71.77	71.88	71.99
69.99	70.11	70.22	70.34	70.45	70.56	70.67	70.78	70.89	71.00
69.00	69.12	69.23	69.35	69.46	69.57	69.68	69.79	69.90	70.01
68.02	68.13	68.24	68.36	68.47	68.58	68.69	68.80	68.91	69.02
67.03	67.14	67.26	67.37	67.48	67.59	67.70	67.81	67.92	68.03
66.05	66.16	66.27	66.39	66.50	66.61	66.72	66.83	66.93	67.04
65.06	65.18	65.29	65.40	65.51	65.63	65.73	65.84	65.95	66.06
64.08	64.20	64.31	64.42	64.53	64.64	64.75	64.86	64.97	65.07
63.10	63.22	63.33	63.44	63.55	63.66	63.77	63.88	63.99	64.09
62.12	62.24	62.35	62.46	62.57	62.68	62.79	62.90	63.01	63.11
61.15	61.26	61.38	61.49	61.60	61.71	61.82	61.92	62.03	62.14
60.18	60.29	60.40	60.52	60.63	60.74	60.84	60.95	61.06	61.16
59.21	59.32	59.44	59.55	59.66	59.77	59.87	59.98	60.09	60.19
58.24	58.35	58.47	58.58	58.69	58.80	58.90	59.01	59.12	59.22
57.27	57.39	57.50	57.61	57.72	57.83	57.93	58.04	58.15	58.25
56.31	56.42	56.53	56.64	56.75	56.86	56.96	57.07	57.17	57.28
55.34	55.45	55.56	55.67	55.78	55.88	55.99	56.10	56.20	56.31
54.36	54.48	54.59	54.70	54.80	54.91	55.02	55.12	55.23	55.33
53.39	53.50	53.61	53.72	53.83	53.94	54.04	54.15	54.25	54.36
52.42	52.53	52.64	52.75	52.85	52.96	53.07	53.17	53.27	53.38
51.44	51.55	51.66	51.77	51.88	51.98	52.09	52.19	52.30	52.40
50.46	50.57	50.68	50.79	50.90	51.00	51.11	51.21	51.32	51.42
49.49	49.60	49.70	49.81	49.92	50.02	50.13	50.23	50.33	50.44
48.51	48.62	48.73	48.83	48.94	49.04	49.15	49.25	49.35	49.46
47.53	47.64	47.75	47.85	47.96	48.06	48.17	48.27	48.37	48.47
46.55	46.66	46.77	46.88	46.98	47.09	47.19	47.29	47.39	47.49
45.58	45.68	45.79	45.90	46.00	46.11	46.21	46.31	46.41	46.51
44.60	44.71	44.81	44.92	45.02	45.13	45.23	45.33	45.43	45.53
43.62	43.73	43.84	43.94	44.04	44.15	44.25	44.35	44.45	44.55
42.65	42.75	42.86	42.96	43.07	43.17	43.27	43.37	43.47	43.57
41.67	41.78	41.88	41.99	42.09	42.19	42.29	42.39	42.49	42.59
40.69	40.80	40.90	41.01	41.11	41.21	41.31	41.41	41.51	41.61
39.72	39.82	39.93	40.03	40.13	40.23	40.34	40.43	40.53	40.63
38.74	38.85	38.95	39.05	39.16	39.26	39.36	39.46	39.55	39.65
37.77	37.87	37.98	38.08	38.18	38.28	38.38	38.48	38.57	38.67
36.79	36.90	37.00	37.10	37.20	37.30	37.40	37.50	37.59	37.69
35.82	35.92	36.02	36.12	36.22	36.32	36.42	36.52	36.62	36.71

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
92.42	92.52	92.62	92.72	92.82	92.92	93.01	93.11	93.20	93.30
91.48	91.58	91.68	91.77	91.87	91.97	92.06	92.16	92.25	92.34
90.48	90.58	90.68	90.78	90.87	90.97	91.06	91.16	91.25	91.34
89.48	89.58	89.68	89.78	89.87	89.97	90.07	90.16	90.25	90.34
88.48	88.58	88.68	88.78	88.88	88.97	89.07	89.16	89.25	89.35
87.48	87.58	87.68	87.78	87.88	87.97	88.07	88.16	88.25	88.35
86.49	86.59	86.68	86.78	86.88	86.97	87.07	87.16	87.26	87.35
85.49	85.59	85.69	85.78	85.88	85.98	86.07	86.16	86.26	86.35
84.49	84.59	84.69	84.78	84.88	84.98	85.07	85.16	85.26	85.35
83.49	83.59	83.69	83.78	83.88	83.98	84.07	84.17	84.26	84.35
82.49	82.59	82.69	82.78	82.88	82.98	83.07	83.17	83.26	83.35
81.49	81.59	81.69	81.79	81.88	81.98	82.07	82.17	82.26	82.35
80.49	80.59	80.69	80.79	80.88	80.98	81.07	81.17	81.26	81.35
79.49	79.59	79.69	79.79	79.88	79.98	80.07	80.17	80.26	80.35
78.49	78.59	78.69	78.79	78.89	78.98	79.08	79.17	79.26	79.35
77.50	77.60	77.69	77.79	77.89	77.98	78.08	78.17	78.26	78.36
76.50	76.60	76.70	76.80	76.89	76.99	77.08	77.18	77.27	77.36
75.51	75.60	75.70	75.80	75.90	75.99	76.09	76.18	76.27	76.36
74.51	74.61	74.71	74.80	74.90	75.00	75.09	75.18	75.28	75.37
73.52	73.61	73.71	73.81	73.91	74.00	74.10	74.19	74.28	74.37
72.52	72.62	72.72	72.82	72.91	73.01	73.10	73.19	73.29	73.38
71.53	71.63	71.72	71.82	71.92	72.01	72.11	72.20	72.29	72.38
70.53	70.63	70.73	70.83	70.92	71.02	71.11	71.20	71.30	71.39
69.54	69.64	69.73	69.83	69.93	70.02	70.12	70.21	70.30	70.39
68.54	68.64	68.74	68.84	68.93	69.03	69.12	69.21	69.31	69.40
67.55	67.65	67.75	67.84	67.94	68.03	68.13	68.22	68.31	68.40
66.56	66.65	66.75	66.85	66.94	67.04	67.13	67.22	67.32	67.41
65.56	65.66	65.76	65.85	65.95	66.04	66.14	66.23	66.32	66.41
64.57	64.67	64.76	64.86	64.96	65.05	65.14	65.24	65.33	65.42
63.58	63.68	63.77	63.87	63.96	64.06	64.15	64.24	64.33	64.42
62.59	62.68	62.78	62.88	62.97	63.06	63.16	63.25	63.34	63.43
61.59	61.69	61.79	61.88	61.98	62.07	62.16	62.26	62.35	62.44
60.60	60.70	60.80	60.89	60.99	61.08	61.17	61.26	61.36	61.45
59.61	59.71	59.80	59.90	59.99	60.09	60.18	60.27	60.36	60.45
58.62	58.72	58.81	58.91	59.00	59.10	59.19	59.28	59.37	59.46
57.63	57.72	57.82	57.92	58.01	58.10	58.20	58.29	58.38	58.47
56.64	56.73	56.83	56.92	57.02	57.11	57.20	57.30	57.39	57.48
55.65	55.74	55.84	55.93	56.03	56.12	56.21	56.30	56.39	56.48
54.66	54.75	54.85	54.94	55.04	55.13	55.22	55.31	55.40	55.49
53.67	53.76	53.86	53.95	54.05	54.14	54.23	54.32	54.41	54.50
52.68	52.77	52.87	52.96	53.06	53.15	53.24	53.33	53.42	53.51
51.69	51.79	51.88	51.97	52.07	52.16	52.25	52.34	52.43	52.52
50.70	50.80	50.89	50.99	51.08	51.17	51.26	51.35	51.44	51.53
49.71	49.81	49.90	50.00	50.09	50.18	50.27	50.36	50.45	50.54
48.73	48.82	48.92	49.01	49.10	49.19	49.28	49.37	49.46	49.55
47.74	47.84	47.93	48.02	48.12	48.21	48.30	48.39	48.48	48.56
46.76	46.85	46.95	47.04	47.13	47.22	47.31	47.40	47.49	47.57
45.77	45.87	45.96	46.05	46.14	46.23	46.32	46.41	46.50	46.59
44.79	44.88	44.97	45.07	45.16	45.25	45.34	45.43	45.51	45.60
43.80	43.90	43.99	44.08	44.17	44.26	44.35	44.44	44.53	44.61
42.82	42.91	43.01	43.10	43.19	43.28	43.37	43.45	43.54	43.63
41.84	41.93	42.02	42.12	42.21	42.29	42.38	42.47	42.56	42.64
40.86	40.95	41.04	41.13	41.22	41.31	41.40	41.49	41.57	41.66

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
91.02	91.13	91.24	91.34	91.45	91.55	91.65	91.76	91.86	91.96
90.07	90.17	90.28	90.38	90.49	90.59	90.69	90.79	90.89	90.99
89.07	89.17	89.28	89.38	89.49	89.59	89.69	89.79	89.89	89.99
88.07	88.18	88.28	88.39	88.49	88.59	88.69	88.79	88.89	88.99
87.07	87.18	87.28	87.39	87.49	87.59	87.69	87.79	87.89	87.99
86.07	86.18	86.28	86.39	86.49	86.59	86.69	86.80	86.90	86.99
85.07	85.18	85.28	85.39	85.49	85.59	85.70	85.80	85.90	85.99
84.07	84.18	84.28	84.39	84.49	84.59	84.70	84.80	84.90	84.99
83.07	83.18	83.28	83.39	83.49	83.59	83.70	83.80	83.90	84.00
82.07	82.18	82.29	82.39	82.49	82.60	82.70	82.80	82.90	83.00
81.07	81.18	81.29	81.39	81.49	81.60	81.70	81.80	81.90	82.00
80.07	80.18	80.29	80.39	80.49	80.60	80.70	80.80	80.90	81.00
79.08	79.18	79.29	79.39	79.49	79.60	79.70	79.80	79.90	80.00
78.08	78.18	78.29	78.39	78.50	78.60	78.70	78.80	78.90	79.00
77.08	77.18	77.29	77.39	77.50	77.60	77.70	77.80	77.90	78.00
76.08	76.18	76.29	76.39	76.50	76.60	76.70	76.80	76.90	77.00
75.08	75.19	75.29	75.40	75.50	75.60	75.70	75.80	75.90	76.00
74.08	74.19	74.29	74.40	74.50	74.60	74.70	74.80	74.90	75.00
73.09	73.19	73.30	73.40	73.51	73.61	73.71	73.81	73.91	74.01
72.09	72.20	72.31	72.41	72.51	72.61	72.71	72.81	72.91	73.01
71.10	71.21	71.31	71.42	71.52	71.62	71.72	71.82	71.92	72.02
70.11	70.22	70.32	70.42	70.53	70.63	70.73	70.83	70.93	71.03
69.12	69.23	69.33	69.43	69.54	69.64	69.74	69.84	69.94	70.03
68.13	68.24	68.34	68.45	68.55	68.65	68.75	68.85	68.95	69.05
67.15	67.25	67.36	67.46	67.56	67.66	67.76	67.86	67.96	68.06
66.16	66.27	66.37	66.47	66.57	66.68	66.78	66.87	66.97	67.07
65.18	65.28	65.39	65.49	65.59	65.69	65.79	65.89	65.99	66.08
64.20	64.30	64.40	64.51	64.61	64.71	64.81	64.91	65.00	65.10
63.22	63.32	63.42	63.53	63.63	63.73	63.83	63.93	64.02	64.12
62.24	62.34	62.45	62.55	62.65	62.75	62.85	62.95	63.04	63.14
61.27	61.37	61.47	61.57	61.67	61.77	61.87	61.97	62.07	62.16
60.30	60.40	60.50	60.60	60.70	60.80	60.90	61.00	61.09	61.19
59.32	59.43	59.53	59.63	59.73	59.83	59.93	60.02	60.12	60.22
58.35	58.46	58.56	58.66	58.76	58.86	58.96	59.05	59.15	59.24
57.38	57.48	57.59	57.69	57.79	57.88	57.98	58.08	58.17	58.27
56.41	56.51	56.61	56.71	56.81	56.91	57.01	57.10	57.20	57.29
55.43	55.54	55.64	55.74	55.84	55.93	56.03	56.13	56.22	56.32
54.46	54.56	54.66	54.76	54.86	54.95	55.05	55.15	55.24	55.34
53.48	53.58	53.68	53.78	53.88	53.97	54.07	54.17	54.26	54.36
52.50	52.60	52.70	52.80	52.90	52.99	53.09	53.19	53.28	53.37
51.52	51.62	51.72	51.82	51.91	52.01	52.11	52.20	52.30	52.39
50.54	50.64	50.74	50.83	50.93	51.03	51.12	51.22	51.31	51.41
49.56	49.66	49.75	49.85	49.95	50.05	50.14	50.24	50.33	50.42
48.57	48.67	48.77	48.87	48.97	49.06	49.16	49.25	49.35	49.44
47.59	47.69	47.79	47.89	47.98	48.08	48.17	48.27	48.36	48.45
46.61	46.71	46.81	46.91	47.00	47.10	47.19	47.28	47.38	47.47
45.63	45.73	45.83	45.92	46.02	46.11	46.21	46.30	46.39	46.49
44.65	44.75	44.85	44.94	45.04	45.13	45.22	45.32	45.41	45.50
43.67	43.77	43.86	43.96	44.05	44.15	44.24	44.33	44.43	44.52
42.69	42.79	42.88	42.98	43.07	43.17	43.26	43.35	43.44	43.53
41.71	41.81	41.90	42.00	42.09	42.18	42.28	42.37	42.46	42.55
40.73	40.82	40.92	41.01	41.11	41.20	41.29	41.38	41.47	41.56
39.75	39.84	39.94	40.03	40.13	40.22	40.31	40.40	40.49	40.58
38.77	38.86	38.96	39.05	39.14	39.24	39.33	39.42	39.51	39.60
37.79	37.88	37.98	38.07	38.16	38.25	38.34	38.43	38.52	38.61
36.81	36.90	36.99	37.09	37.18	37.27	37.36	37.45	37.54	37.63

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2077	2078	2079	2080	2081	2082	2083	2084	2085	2086
93.39	93.48	93.57	93.66	93.75	93.84	93.93	94.01	94.10	94.18
92.43	92.52	92.61	92.70	92.79	92.88	92.96	93.05	93.13	93.22
91.43	91.52	91.61	91.70	91.79	91.88	91.96	92.05	92.13	92.22
90.44	90.53	90.62	90.70	90.79	90.88	90.96	91.05	91.13	91.22
89.44	89.53	89.62	89.71	89.79	89.88	89.97	90.05	90.14	90.22
88.44	88.53	88.62	88.71	88.79	88.88	88.97	89.05	89.14	89.22
87.44	87.53	87.62	87.71	87.79	87.88	87.97	88.05	88.14	88.22
86.44	86.53	86.62	86.71	86.80	86.88	86.97	87.05	87.14	87.22
85.44	85.53	85.62	85.71	85.80	85.88	85.97	86.05	86.14	86.22
84.44	84.53	84.62	84.71	84.80	84.88	84.97	85.05	85.14	85.22
83.44	83.53	83.62	83.71	83.80	83.88	83.97	84.05	84.14	84.22
82.44	82.53	82.62	82.71	82.80	82.88	82.97	83.05	83.14	83.22
81.44	81.53	81.62	81.71	81.80	81.88	81.97	82.06	82.14	82.22
80.44	80.53	80.62	80.71	80.80	80.89	80.97	81.06	81.14	81.22
79.44	79.53	79.62	79.71	79.80	79.89	79.97	80.06	80.14	80.22
78.45	78.54	78.63	78.71	78.80	78.89	78.97	79.06	79.14	79.23
77.45	77.54	77.63	77.72	77.80	77.89	77.98	78.06	78.15	78.23
76.45	76.54	76.63	76.72	76.81	76.90	76.98	77.07	77.15	77.23
75.46	75.55	75.64	75.73	75.81	75.90	75.98	76.07	76.15	76.24
74.46	74.55	74.64	74.73	74.82	74.90	74.99	75.07	75.16	75.24
73.47	73.56	73.65	73.73	73.82	73.91	73.99	74.08	74.16	74.24
72.47	72.56	72.65	72.74	72.83	72.91	73.00	73.08	73.16	73.25
71.48	71.57	71.66	71.74	71.83	71.92	72.00	72.09	72.17	72.25
70.48	70.57	70.66	70.75	70.83	70.92	71.01	71.09	71.17	71.26
69.49	69.58	69.66	69.75	69.84	69.92	70.01	70.09	70.18	70.26
68.49	68.58	68.67	68.76	68.84	68.93	69.01	69.10	69.18	69.26
67.50	67.59	67.67	67.76	67.85	67.93	68.02	68.10	68.19	68.27
66.50	66.59	66.68	66.77	66.85	66.94	67.02	67.11	67.19	67.27
65.51	65.60	65.68	65.77	65.86	65.94	66.03	66.11	66.20	66.28
64.51	64.60	64.69	64.78	64.86	64.95	65.03	65.12	65.20	65.28
63.52	63.61	63.70	63.78	63.87	63.96	64.04	64.12	64.21	64.29
62.53	62.62	62.70	62.79	62.88	62.96	63.05	63.13	63.21	63.29
61.53	61.62	61.71	61.80	61.88	61.97	62.05	62.14	62.22	62.30
60.54	60.63	60.72	60.80	60.89	60.97	61.06	61.14	61.22	61.31
59.55	59.64	59.72	59.81	59.90	59.98	60.07	60.15	60.23	60.31
58.56	58.64	58.73	58.82	58.90	58.99	59.07	59.15	59.24	59.32
57.56	57.65	57.74	57.82	57.91	57.99	58.08	58.16	58.24	58.32
56.57	56.66	56.75	56.83	56.92	57.00	57.09	57.17	57.25	57.33
55.58	55.67	55.75	55.84	55.92	56.01	56.09	56.18	56.26	56.34
54.59	54.68	54.76	54.85	54.93	55.02	55.10	55.18	55.26	55.35
53.60	53.68	53.77	53.86	53.94	54.02	54.11	54.19	54.27	54.35
52.61	52.69	52.78	52.87	52.95	53.03	53.12	53.20	53.28	53.36
51.62	51.70	51.79	51.87	51.96	52.04	52.13	52.21	52.29	52.37
50.63	50.71	50.80	50.88	50.97	51.05	51.13	51.22	51.30	51.38
49.64	49.72	49.81	49.89	49.98	50.06	50.14	50.23	50.31	50.39
48.65	48.74	48.82	48.91	48.99	49.07	49.15	49.24	49.32	49.40
47.66	47.75	47.83	47.92	48.00	48.08	48.16	48.25	48.33	48.41
46.67	46.76	46.84	46.93	47.01	47.09	47.18	47.26	47.34	47.42
45.69	45.77	45.86	45.94	46.02	46.11	46.19	46.27	46.35	46.43
44.70	44.78	44.87	44.95	45.04	45.12	45.20	45.28	45.36	45.44
43.71	43.80	43.88	43.97	44.05	44.13	44.21	44.29	44.37	44.45
42.73	42.81	42.90	42.98	43.06	43.14	43.22	43.30	43.38	43.46
41.74	41.83	41.91	41.99	42.07	42.16	42.24	42.32	42.39	42.47

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
92.06	92.15	92.25	92.35	92.44	92.54	92.63	92.73	92.82	92.91
91.09	91.18	91.28	91.38	91.47	91.57	91.66	91.75	91.84	91.93
90.09	90.19	90.28	90.38	90.47	90.57	90.66	90.75	90.84	90.93
89.09	89.19	89.28	89.38	89.47	89.57	89.66	89.75	89.84	89.93
88.09	88.19	88.28	88.38	88.47	88.57	88.66	88.75	88.84	88.93
87.09	87.19	87.29	87.38	87.47	87.57	87.66	87.75	87.84	87.94
86.09	86.19	86.29	86.38	86.48	86.57	86.66	86.75	86.85	86.94
85.09	85.19	85.29	85.38	85.48	85.57	85.66	85.75	85.85	85.94
84.09	84.19	84.29	84.38	84.48	84.57	84.66	84.75	84.85	84.94
83.09	83.19	83.29	83.38	83.48	83.57	83.66	83.75	83.85	83.94
82.09	82.19	82.29	82.38	82.48	82.57	82.66	82.76	82.85	82.94
81.09	81.19	81.29	81.38	81.48	81.57	81.66	81.76	81.85	81.94
80.09	80.19	80.29	80.38	80.48	80.57	80.66	80.76	80.85	80.94
79.10	79.19	79.29	79.38	79.48	79.57	79.66	79.76	79.85	79.94
78.10	78.19	78.29	78.38	78.48	78.57	78.66	78.76	78.85	78.94
77.10	77.19	77.29	77.39	77.48	77.57	77.67	77.76	77.85	77.94
76.10	76.20	76.29	76.39	76.48	76.57	76.67	76.76	76.85	76.94
75.10	75.20	75.29	75.39	75.48	75.58	75.67	75.76	75.85	75.94
74.10	74.20	74.30	74.39	74.49	74.58	74.67	74.76	74.85	74.95
73.11	73.21	73.30	73.40	73.49	73.58	73.68	73.77	73.86	73.95
72.12	72.21	72.31	72.40	72.50	72.59	72.68	72.77	72.86	72.95
71.12	71.22	71.31	71.41	71.50	71.60	71.69	71.78	71.87	71.96
70.13	70.23	70.32	70.42	70.51	70.60	70.70	70.79	70.88	70.97
69.14	69.24	69.33	69.43	69.52	69.61	69.71	69.80	69.89	69.98
68.15	68.25	68.34	68.44	68.53	68.62	68.72	68.81	68.90	68.99
67.17	67.26	67.36	67.45	67.54	67.64	67.73	67.82	67.91	68.00
66.18	66.28	66.37	66.46	66.56	66.65	66.74	66.83	66.92	67.01
65.20	65.29	65.39	65.48	65.57	65.66	65.76	65.85	65.94	66.02
64.22	64.31	64.40	64.50	64.59	64.68	64.77	64.86	64.95	65.04
63.24	63.33	63.42	63.52	63.61	63.70	63.79	63.88	63.97	64.06
62.26	62.35	62.45	62.54	62.63	62.72	62.81	62.90	62.99	63.08
61.29	61.38	61.47	61.57	61.66	61.75	61.84	61.93	62.02	62.11
60.31	60.41	60.50	60.59	60.68	60.77	60.86	60.95	61.04	61.13
59.34	59.43	59.53	59.62	59.71	59.80	59.89	59.98	60.07	60.15
58.36	58.46	58.55	58.64	58.73	58.82	58.91	59.00	59.09	59.18
57.39	57.48	57.57	57.67	57.76	57.85	57.94	58.02	58.11	58.20
56.41	56.50	56.60	56.69	56.78	56.87	56.96	57.04	57.13	57.22
55.43	55.52	55.62	55.71	55.80	55.89	55.97	56.06	56.15	56.24
54.45	54.54	54.63	54.72	54.81	54.90	54.99	55.08	55.17	55.25
53.47	53.56	53.65	53.74	53.83	53.92	54.01	54.09	54.18	54.27
52.48	52.57	52.67	52.76	52.85	52.93	53.02	53.11	53.20	53.28
51.50	51.59	51.68	51.77	51.86	51.95	52.04	52.12	52.21	52.30
50.51	50.61	50.70	50.79	50.87	50.96	51.05	51.14	51.22	51.31
49.53	49.62	49.71	49.80	49.89	49.98	50.06	50.15	50.24	50.32
48.54	48.64	48.73	48.81	48.90	48.99	49.08	49.16	49.25	49.33
47.56	47.65	47.74	47.83	47.92	48.00	48.09	48.18	48.26	48.35
46.58	46.67	46.76	46.84	46.93	47.02	47.11	47.19	47.28	47.36
45.59	45.68	45.77	45.86	45.95	46.03	46.12	46.20	46.29	46.37
44.61	44.70	44.79	44.87	44.96	45.05	45.13	45.22	45.30	45.39
43.62	43.71	43.80	43.89	43.97	44.06	44.15	44.23	44.32	44.40
42.64	42.73	42.82	42.90	42.99	43.07	43.16	43.24	43.33	43.41
41.65	41.74	41.83	41.92	42.00	42.09	42.17	42.26	42.34	42.42
40.67	40.76	40.84	40.93	41.02	41.10	41.19	41.27	41.35	41.44
39.68	39.77	39.86	39.95	40.03	40.12	40.20	40.28	40.37	40.45
38.70	38.79	38.87	38.96	39.04	39.13	39.21	39.30	39.38	39.46
37.72	37.80	37.89	37.97	38.06	38.14	38.23	38.31	38.39	38.47

1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

2087	2088	2089	2090	2091	2092	2093	2094	2095	2096
94.27	94.35	94.43	94.51	94.59	94.67	94.75	94.83	94.91	94.98
93.30	93.38	93.46	93.54	93.62	93.70	93.78	93.86	93.93	94.01
92.30	92.38	92.46	92.54	92.62	92.70	92.78	92.86	92.93	93.01
91.30	91.38	91.46	91.54	91.62	91.70	91.78	91.86	91.93	92.01
90.30	90.38	90.46	90.54	90.62	90.70	90.78	90.86	90.93	91.01
89.30	89.38	89.46	89.55	89.62	89.70	89.78	89.86	89.94	90.01
88.30	88.38	88.47	88.55	88.63	88.70	88.78	88.86	88.94	89.01
87.30	87.39	87.47	87.55	87.63	87.70	87.78	87.86	87.94	88.01
86.30	86.39	86.47	86.55	86.63	86.70	86.78	86.86	86.94	87.01
85.30	85.39	85.47	85.55	85.63	85.71	85.78	85.86	85.94	86.01
84.30	84.39	84.47	84.55	84.63	84.71	84.78	84.86	84.94	85.01
83.30	83.39	83.47	83.55	83.63	83.71	83.78	83.86	83.94	84.01
82.31	82.39	82.47	82.55	82.63	82.71	82.78	82.86	82.94	83.01
81.31	81.39	81.47	81.55	81.63	81.71	81.78	81.86	81.94	82.01
80.31	80.39	80.47	80.55	80.63	80.71	80.79	80.86	80.94	81.01
79.31	79.39	79.47	79.55	79.63	79.71	79.79	79.86	79.94	80.02
78.31	78.39	78.47	78.55	78.63	78.71	78.79	78.87	78.94	79.02
77.31	77.40	77.48	77.56	77.64	77.71	77.79	77.87	77.95	78.02
76.32	76.40	76.48	76.56	76.64	76.72	76.80	76.87	76.95	77.02
75.32	75.40	75.48	75.56	75.64	75.72	75.80	75.88	75.95	76.03
74.33	74.41	74.49	74.57	74.65	74.73	74.80	74.88	74.96	75.03
73.33	73.41	73.49	73.57	73.65	73.73	73.81	73.88	73.96	74.03
72.33	72.41	72.50	72.57	72.65	72.73	72.81	72.89	72.96	73.04
71.34	71.42	71.50	71.58	71.66	71.74	71.81	71.89	71.97	72.04
70.34	70.42	70.50	70.58	70.66	70.74	70.82	70.89	70.97	71.04
69.35	69.43	69.51	69.59	69.66	69.74	69.82	69.90	69.97	70.05
68.35	68.43	68.51	68.59	68.67	68.75	68.82	68.90	68.98	69.05
67.35	67.43	67.51	67.59	67.67	67.75	67.83	67.90	67.98	68.05
66.36	66.44	66.52	66.60	66.68	66.76	66.83	66.91	66.98	67.06
65.36	65.45	65.53	65.60	65.68	65.76	65.84	65.91	65.99	66.06
64.37	64.45	64.53	64.61	64.69	64.77	64.84	64.92	64.99	65.07
63.38	63.46	63.54	63.61	63.69	63.77	63.85	63.92	64.00	64.07
62.38	62.46	62.54	62.62	62.70	62.78	62.85	62.93	63.00	63.08
61.39	61.47	61.55	61.63	61.70	61.78	61.86	61.93	62.01	62.08
60.39	60.47	60.55	60.63	60.71	60.79	60.86	60.94	61.01	61.09
59.40	59.48	59.56	59.64	59.71	59.79	59.87	59.94	60.02	60.09
58.41	58.49	58.56	58.64	58.72	58.80	58.87	58.95	59.02	59.10
57.41	57.49	57.57	57.65	57.73	57.80	57.88	57.95	58.03	58.10
56.42	56.50	56.58	56.66	56.73	56.81	56.89	56.96	57.04	57.11
55.43	55.50	55.58	55.66	55.74	55.82	55.89	55.97	56.04	56.11
54.43	54.51	54.59	54.67	54.75	54.82	54.90	54.97	55.05	55.12
53.44	53.52	53.60	53.68	53.75	53.83	53.90	53.98	54.05	54.13
52.45	52.53	52.61	52.68	52.76	52.84	52.91	52.99	53.06	53.13
51.46	51.54	51.61	51.69	51.77	51.84	51.92	51.99	52.07	52.14
50.47	50.54	50.62	50.70	50.78	50.85	50.93	51.00	51.08	51.15
49.48	49.55	49.63	49.71	49.78	49.86	49.94	50.01	50.08	50.16
48.48	48.56	48.64	48.72	48.79	48.87	48.94	49.02	49.09	49.16
47.49	47.57	47.65	47.73	47.80	47.88	47.95	48.03	48.10	48.17
46.51	46.58	46.66	46.74	46.81	46.89	46.96	47.03	47.11	47.18
45.52	45.59	45.67	45.75	45.82	45.90	45.97	46.04	46.12	46.19
44.53	44.60	44.68	44.76	44.83	44.91	44.98	45.05	45.13	45.20
43.54	43.61	43.69	43.77	43.84	43.92	43.99	44.06	44.14	44.21
42.55	42.63	42.70	42.78	42.85	42.93	43.00	43.07	43.15	43.22

41.56	41.64	41.71	41.79	41.86	41.94	42.01	42.08	42.16	42.23
40.57	40.65	40.73	40.80	40.88	40.95	41.02	41.09	41.17	41.24
39.59	39.66	39.74	39.81	39.89	39.96	40.03	40.11	40.18	40.25
38.60	38.68	38.75	38.83	38.90	38.97	39.05	39.12	39.19	39.26
37.62	37.69	37.77	37.84	37.91	37.99	38.06	38.13	38.20	38.27
36.63	36.71	36.78	36.85	36.93	37.00	37.07	37.14	37.21	37.28
35.65	35.72	35.80	35.87	35.94	36.02	36.09	36.16	36.23	36.30
34.67	34.74	34.82	34.89	34.96	35.03	35.10	35.18	35.25	35.31
33.69	33.77	33.84	33.91	33.98	34.05	34.12	34.19	34.26	34.33
32.72	32.79	32.86	32.93	33.00	33.08	33.15	33.21	33.28	33.35
31.74	31.81	31.89	31.96	32.03	32.10	32.17	32.24	32.31	32.37
30.77	30.84	30.91	30.98	31.05	31.12	31.19	31.26	31.33	31.39
29.79	29.87	29.94	30.01	30.08	30.15	30.21	30.28	30.35	30.42
28.82	28.89	28.96	29.03	29.10	29.17	29.24	29.31	29.37	29.44
27.85	27.92	27.99	28.06	28.13	28.20	28.26	28.33	28.40	28.46
26.88	26.95	27.02	27.09	27.16	27.22	27.29	27.36	27.42	27.49
25.91	25.98	26.05	26.12	26.19	26.25	26.32	26.39	26.45	26.52
24.95	25.02	25.08	25.15	25.22	25.28	25.35	25.41	25.48	25.54
23.98	24.05	24.12	24.19	24.25	24.32	24.38	24.45	24.51	24.57
23.02	23.09	23.16	23.22	23.29	23.35	23.42	23.48	23.54	23.61
22.07	22.13	22.20	22.26	22.33	22.39	22.45	22.52	22.58	22.64
21.11	21.18	21.24	21.31	21.37	21.43	21.50	21.56	21.62	21.68
20.17	20.23	20.29	20.36	20.42	20.48	20.54	20.60	20.66	20.72
19.22	19.29	19.35	19.41	19.47	19.53	19.59	19.65	19.71	19.77
18.29	18.35	18.41	18.47	18.53	18.59	18.65	18.71	18.77	18.83
17.36	17.42	17.48	17.54	17.60	17.66	17.71	17.77	17.83	17.89
16.44	16.50	16.56	16.61	16.67	16.73	16.79	16.84	16.90	16.95
15.53	15.59	15.64	15.70	15.76	15.81	15.87	15.92	15.98	16.03
14.63	14.69	14.74	14.80	14.85	14.90	14.96	15.01	15.06	15.12
13.75	13.80	13.85	13.91	13.96	14.01	14.06	14.11	14.17	14.22
12.88	12.93	12.98	13.03	13.08	13.13	13.18	13.23	13.28	13.33
12.03	12.08	12.12	12.17	12.22	12.27	12.32	12.37	12.41	12.46
11.20	11.24	11.29	11.34	11.38	11.43	11.47	11.52	11.57	11.61
10.39	10.44	10.48	10.52	10.57	10.61	10.66	10.70	10.74	10.78
9.62	9.66	9.70	9.74	9.78	9.82	9.86	9.90	9.95	9.99
8.87	8.91	8.95	8.99	9.03	9.07	9.11	9.14	9.18	9.22
8.17	8.21	8.24	8.28	8.31	8.35	8.38	8.42	8.46	8.49
7.51	7.54	7.58	7.61	7.64	7.67	7.71	7.74	7.77	7.80
6.90	6.93	6.96	6.99	7.02	7.05	7.08	7.11	7.14	7.17
6.34	6.37	6.40	6.43	6.45	6.48	6.51	6.53	6.56	6.59
5.85	5.87	5.90	5.92	5.95	5.97	6.00	6.02	6.04	6.07
5.40	5.42	5.44	5.47	5.49	5.51	5.53	5.55	5.57	5.60
4.98	5.00	5.02	5.04	5.06	5.08	5.10	5.12	5.14	5.15
4.59	4.60	4.62	4.64	4.66	4.67	4.69	4.71	4.72	4.74
4.22	4.24	4.25	4.27	4.28	4.30	4.31	4.33	4.34	4.36
3.88	3.89	3.91	3.92	3.93	3.94	3.96	3.97	3.98	3.99
3.55	3.56	3.57	3.58	3.59	3.60	3.61	3.62	3.63	3.64
3.22	3.23	3.24	3.25	3.26	3.27	3.27	3.28	3.29	3.30
2.89	2.89	2.90	2.91	2.91	2.92	2.92	2.93	2.94	2.94
2.62	2.63	2.63	2.63	2.64	2.64	2.65	2.65	2.65	2.66
2.42	2.42	2.42	2.43	2.43	2.43	2.43	2.44	2.44	2.44
2.26	2.27	2.27	2.27	2.27	2.27	2.27	2.28	2.28	2.28
2.17	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.19	2.19
2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.11
2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03
1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96
1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89
1.82	1.82	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83
1.76	1.76	1.76	1.76	1.76	1.77	1.77	1.77	1.77	1.77
1.70	1.70	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
1.65	1.65	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66

2097	2098	2099	2100
93.00	93.09	93.18	93.27
92.02	92.11	92.20	92.29
91.02	91.11	91.20	91.29
90.02	90.11	90.20	90.29
89.02	89.11	89.20	89.29
88.02	88.11	88.20	88.29
87.03	87.11	87.20	87.29
86.03	86.11	86.20	86.29
85.03	85.11	85.20	85.29
84.03	84.11	84.20	84.29
83.03	83.12	83.20	83.29
82.03	82.12	82.20	82.29
81.03	81.12	81.20	81.29
80.03	80.12	80.20	80.29
79.03	79.12	79.20	79.29
78.03	78.12	78.21	78.29
77.03	77.12	77.21	77.29
76.03	76.12	76.21	76.30
75.03	75.12	75.21	75.30
74.04	74.13	74.22	74.30
73.04	73.13	73.22	73.31
72.05	72.14	72.23	72.31
71.06	71.14	71.23	71.32
70.06	70.15	70.24	70.33
69.07	69.16	69.25	69.34
68.09	68.17	68.26	68.35
67.10	67.19	67.27	67.36
66.11	66.20	66.29	66.37
65.13	65.22	65.30	65.39
64.15	64.23	64.32	64.41
63.17	63.26	63.34	63.43
62.19	62.28	62.37	62.45
61.22	61.30	61.39	61.47
60.24	60.33	60.41	60.50
59.26	59.35	59.43	59.52
58.29	58.37	58.46	58.54
57.30	57.39	57.47	57.56
56.32	56.41	56.49	56.58
55.34	55.42	55.51	55.59
54.35	54.44	54.52	54.60
53.37	53.45	53.53	53.62
52.38	52.46	52.55	52.63
51.39	51.48	51.56	51.64
50.41	50.49	50.57	50.65
49.42	49.50	49.58	49.67
48.43	48.51	48.60	48.68
47.44	47.53	47.61	47.69
46.46	46.54	46.62	46.70
45.47	45.55	45.63	45.71
44.48	44.56	44.64	44.73
43.49	43.58	43.66	43.74
42.51	42.59	42.67	42.75
41.52	41.60	41.68	41.76
40.53	40.61	40.69	40.77
39.54	39.62	39.70	39.78
38.55	38.63	38.71	38.79

37.57	37.65	37.73	37.80
36.58	36.66	36.74	36.82
35.59	35.67	35.75	35.83
34.61	34.69	34.76	34.84
33.62	33.70	33.78	33.86
32.64	32.72	32.79	32.87
31.66	31.73	31.81	31.89
30.68	30.75	30.83	30.91
29.70	29.77	29.85	29.92
28.72	28.80	28.87	28.95
27.74	27.82	27.89	27.97
26.77	26.85	26.92	26.99
25.80	25.88	25.95	26.02
24.83	24.91	24.98	25.05
23.87	23.94	24.01	24.08
22.90	22.98	23.05	23.12
21.94	22.01	22.09	22.16
20.99	21.06	21.13	21.20
20.04	20.11	20.18	20.24
19.10	19.17	19.23	19.30
18.17	18.23	18.30	18.36
17.25	17.31	17.38	17.44
16.34	16.40	16.47	16.53
15.45	15.51	15.57	15.63
14.58	14.64	14.70	14.76
13.73	13.78	13.84	13.90
12.89	12.95	13.00	13.06
12.09	12.14	12.19	12.24
11.30	11.35	11.40	11.45
10.54	10.58	10.63	10.68
9.80	9.84	9.89	9.93
9.09	9.13	9.17	9.21
8.40	8.44	8.48	8.52
7.75	7.79	7.83	7.87
7.16	7.20	7.23	7.27
6.64	6.67	6.70	6.73
6.17	6.20	6.23	6.26
5.76	5.78	5.81	5.84
5.38	5.40	5.43	5.45
5.03	5.05	5.07	5.09
4.69	4.71	4.73	4.75
4.37	4.39	4.41	4.43
4.06	4.07	4.09	4.10
3.74	3.76	3.77	3.78
3.42	3.43	3.44	3.46
3.08	3.09	3.10	3.11
2.79	2.80	2.81	2.81
2.54	2.55	2.55	2.56
2.34	2.34	2.34	2.35
2.16	2.16	2.16	2.16
2.00	2.00	2.00	2.01
1.88	1.88	1.88	1.88
1.81	1.81	1.81	1.81
1.76	1.76	1.76	1.76
1.70	1.70	1.70	1.70
1.65	1.65	1.65	1.65
1.61	1.61	1.61	1.61
1.56	1.56	1.56	1.56
1.51	1.51	1.51	1.51
1.46	1.46	1.46	1.46
1.40	1.40	1.40	1.40

1.31	1.31	1.31	1.31
1.17	1.17	1.17	1.17
0.93	0.93	0.93	0.93
0.41	0.41	0.41	0.41

2097	2098	2099	2100
95.06	95.14	95.21	95.28
94.08	94.16	94.23	94.31
93.08	93.16	93.23	93.31
92.09	92.16	92.23	92.31
91.09	91.16	91.23	91.31
90.09	90.16	90.23	90.31
89.09	89.16	89.23	89.31
88.09	88.16	88.24	88.31
87.09	87.16	87.24	87.31
86.09	86.16	86.24	86.31
85.09	85.16	85.24	85.31
84.09	84.16	84.24	84.31
83.09	83.16	83.24	83.31
82.09	82.16	82.24	82.31
81.09	81.16	81.24	81.31
80.09	80.17	80.24	80.31
79.09	79.17	79.24	79.31
78.10	78.17	78.24	78.32
77.10	77.17	77.25	77.32
76.10	76.18	76.25	76.32
75.11	75.18	75.25	75.33
74.11	74.18	74.26	74.33
73.11	73.19	73.26	73.33
72.12	72.19	72.26	72.33
71.12	71.19	71.27	71.34
70.12	70.20	70.27	70.34
69.13	69.20	69.27	69.34
68.13	68.20	68.28	68.35
67.13	67.21	67.28	67.35
66.14	66.21	66.28	66.36
65.14	65.22	65.29	65.36
64.15	64.22	64.29	64.36
63.15	63.22	63.30	63.37
62.16	62.23	62.30	62.37
61.16	61.23	61.31	61.38
60.17	60.24	60.31	60.38
59.17	59.24	59.32	59.39
58.18	58.25	58.32	58.39
57.18	57.25	57.33	57.40
56.19	56.26	56.33	56.40
55.19	55.27	55.34	55.41
54.20	54.27	54.34	54.41
53.21	53.28	53.35	53.42
52.21	52.29	52.36	52.43
51.22	51.29	51.36	51.43
50.23	50.30	50.37	50.44
49.24	49.31	49.38	49.45
48.24	48.31	48.39	48.46
47.25	47.32	47.39	47.46
46.26	46.33	46.40	46.47
45.27	45.34	45.41	45.48
44.28	44.35	44.42	44.49
43.29	43.36	43.43	43.50

42.30	42.37	42.44	42.51
41.31	41.38	41.45	41.51
40.32	40.39	40.46	40.52
39.33	39.40	39.47	39.53
38.34	38.41	38.48	38.55
37.35	37.42	37.49	37.56
36.37	36.44	36.50	36.57
35.38	35.45	35.52	35.59
34.40	34.47	34.54	34.60
33.42	33.49	33.55	33.62
32.44	32.51	32.57	32.64
31.46	31.53	31.59	31.66
30.48	30.55	30.62	30.68
29.51	29.57	29.64	29.70
28.53	28.59	28.66	28.72
27.55	27.62	27.68	27.75
26.58	26.64	26.71	26.77
25.61	25.67	25.73	25.80
24.64	24.70	24.76	24.82
23.67	23.73	23.79	23.85
22.70	22.76	22.83	22.89
21.74	21.80	21.86	21.92
20.78	20.84	20.90	20.96
19.83	19.89	19.95	20.01
18.88	18.94	19.00	19.05
17.94	18.00	18.05	18.11
17.01	17.06	17.12	17.17
16.08	16.14	16.19	16.24
15.17	15.22	15.27	15.33
14.27	14.32	14.37	14.42
13.38	13.43	13.48	13.52
12.51	12.55	12.60	12.65
11.66	11.70	11.74	11.79
10.83	10.87	10.91	10.95
10.03	10.07	10.11	10.15
9.26	9.29	9.33	9.37
8.53	8.56	8.60	8.63
7.84	7.87	7.90	7.93
7.20	7.23	7.26	7.29
6.61	6.64	6.67	6.70
6.09	6.12	6.14	6.17
5.62	5.64	5.66	5.68
5.17	5.19	5.21	5.23
4.76	4.77	4.79	4.81
4.37	4.39	4.40	4.41
4.01	4.02	4.03	4.04
3.65	3.66	3.67	3.68
3.31	3.31	3.32	3.33
2.95	2.95	2.96	2.96
2.66	2.67	2.67	2.67
2.44	2.45	2.45	2.45
2.28	2.28	2.28	2.28
2.19	2.19	2.19	2.19
2.11	2.11	2.11	2.11
2.03	2.03	2.03	2.04
1.96	1.96	1.96	1.96
1.89	1.89	1.90	1.90
1.83	1.83	1.83	1.83
1.77	1.77	1.77	1.78
1.72	1.72	1.72	1.72
1.66	1.66	1.66	1.66

1.60	1.61	1.61	1.61
1.54	1.54	1.55	1.55
1.47	1.47	1.47	1.47
1.37	1.37	1.37	1.37
1.22	1.22	1.22	1.22
0.95	0.95	0.95	0.95
0.42	0.42	0.42	0.42

Life Expectancy - Current Projections

Life expectancy at birth

	2010	2020	2030	2040	2050
Males	80.1	82.5	84.5	86.1	87.7
Females	84.4	86.2	87.8	89.2	90.5

Life expectancy at age 60

	2010	2020	2030	2040	2050
Males	23.4	25.2	26.7	28.0	29.2
Females	26.6	27.9	29.2	30.4	31.4

Life expectancy at age 65

	2010	2020	2030	2040	2050
Males	19.2	20.8	22.2	23.4	24.5
Females	22.2	23.4	24.6	25.7	26.7

Life expectancy at age 67

	2010	2020	2030	2040	2050
Males	17.6	19.1	20.4	21.6	22.6
Females	20.4	21.6	22.8	23.8	24.8

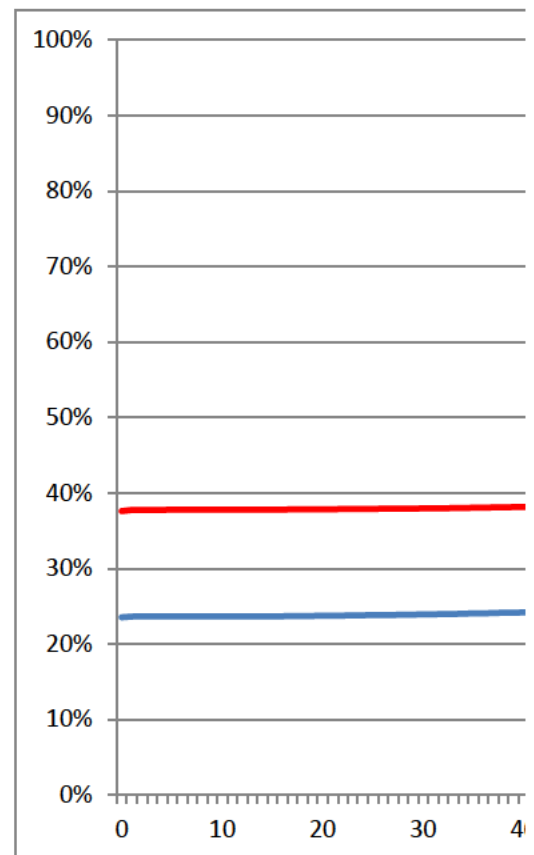
Probability of Living to Given Age Given Current Age - Current Projections

Probability of Living To Age 90 Given Current Age

Current Age and Sex	2010	2020	2030	2040	2050
Male aged 60	0.2564	0.3273	0.3935	0.4544	0.5121
Male aged 65	0.2666	0.3367	0.4018	0.4616	0.5182
Male aged 70	0.2843	0.3529	0.4162	0.4741	0.5289
Male aged 75	0.3161	0.3816	0.4416	0.4965	0.5481
Female aged 60	0.3955	0.4615	0.5244	0.5829	0.6364
Female aged 65	0.4050	0.4702	0.5321	0.5898	0.6423
Female aged 70	0.4206	0.4841	0.5444	0.6004	0.6513
Female aged 75	0.4484	0.5089	0.5661	0.6191	0.6672

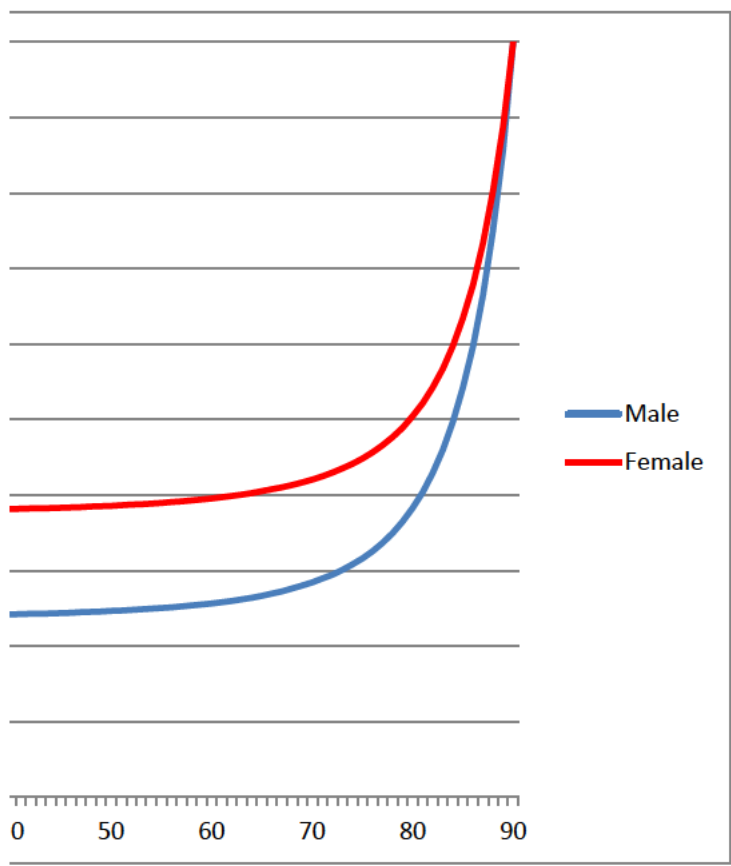
	Male	Female
0	0.2354	0.3761
1	0.2365	0.3776
2	0.2366	0.3777
3	0.2366	0.3777
4	0.2367	0.3778
5	0.2367	0.3778
6	0.2367	0.3779
7	0.2368	0.3779
8	0.2368	0.3779
9	0.2368	0.3780
10	0.2368	0.3780
11	0.2368	0.3780
12	0.2369	0.3780
13	0.2369	0.3780
14	0.2369	0.3781
15	0.2369	0.3781
16	0.2370	0.3782
17	0.2371	0.3783
18	0.2372	0.3784
19	0.2373	0.3784
20	0.2374	0.3785
21	0.2376	0.3786
22	0.2378	0.3787
23	0.2379	0.3788
24	0.2381	0.3789
25	0.2383	0.3790
26	0.2385	0.3791
27	0.2386	0.3793
28	0.2388	0.3794
29	0.2390	0.3795
30	0.2393	0.3796
31	0.2395	0.3798
32	0.2397	0.3799
33	0.2400	0.3801
34	0.2402	0.3802

Probability of React



35	0.2405	0.3804
36	0.2407	0.3806
37	0.2410	0.3808
38	0.2413	0.3810
39	0.2416	0.3813
40	0.2419	0.3815
41	0.2422	0.3818
42	0.2425	0.3821
43	0.2429	0.3825
44	0.2433	0.3828
45	0.2437	0.3832
46	0.2442	0.3837
47	0.2447	0.3841
48	0.2452	0.3847
49	0.2458	0.3852
50	0.2464	0.3858
51	0.2471	0.3865
52	0.2478	0.3872
53	0.2486	0.3879
54	0.2494	0.3888
55	0.2503	0.3896
56	0.2513	0.3906
57	0.2524	0.3916
58	0.2536	0.3928
59	0.2549	0.3940
60	0.2564	0.3955
61	0.2580	0.3970
62	0.2598	0.3988
63	0.2618	0.4007
64	0.2641	0.4027
65	0.2666	0.4050
66	0.2694	0.4075
67	0.2725	0.4103
68	0.2761	0.4134
69	0.2800	0.4168
70	0.2843	0.4206
71	0.2892	0.4248
72	0.2946	0.4297
73	0.3009	0.4351
74	0.3080	0.4413
75	0.3161	0.4484
76	0.3256	0.4564
77	0.3366	0.4658
78	0.3495	0.4766
79	0.3647	0.4893
80	0.3827	0.5042
81	0.4040	0.5218
82	0.4295	0.5427
83	0.4602	0.5677
84	0.4972	0.5977
85	0.5422	0.6341
86	0.5973	0.6787
87	0.6653	0.7337
88	0.7503	0.8024
89	0.8585	0.8892
90	1.0000	1.0000

Survival Age 90 Given Exact Age in 2010



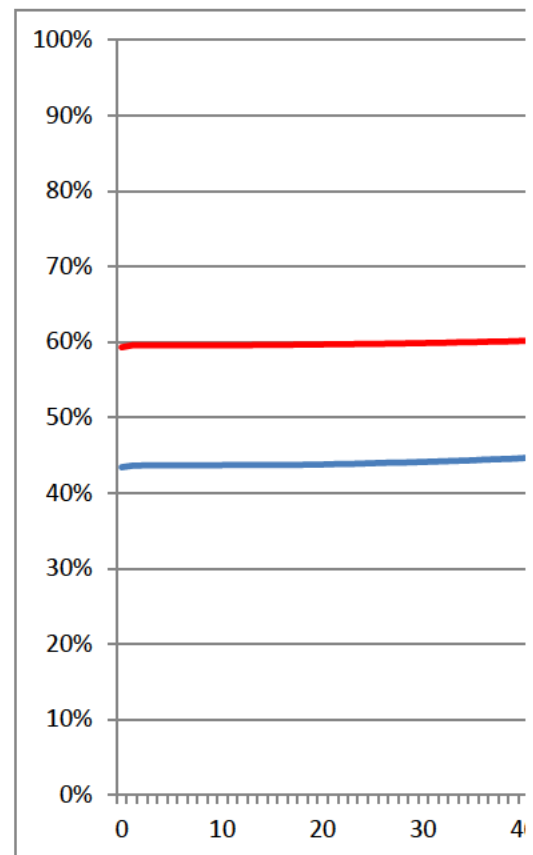
Probability of Living to Given Age Given Current Age - Current Projections

Probability of Living To Age 85 Given Current Age

Current Age and Sex	2010	2020	2030	2040	2050
Male aged 60	0.4729	0.5554	0.6235	0.6797	0.7287
Male aged 65	0.4917	0.5714	0.6367	0.6905	0.7374
Male aged 70	0.5244	0.5989	0.6594	0.7092	0.7526
Male aged 75	0.5831	0.6476	0.6998	0.7427	0.7800
Female aged 60	0.6236	0.6840	0.7362	0.7809	0.8188
Female aged 65	0.6388	0.6969	0.7472	0.7901	0.8264
Female aged 70	0.6633	0.7175	0.7644	0.8043	0.8381
Female aged 75	0.7071	0.7543	0.7948	0.8293	0.8585

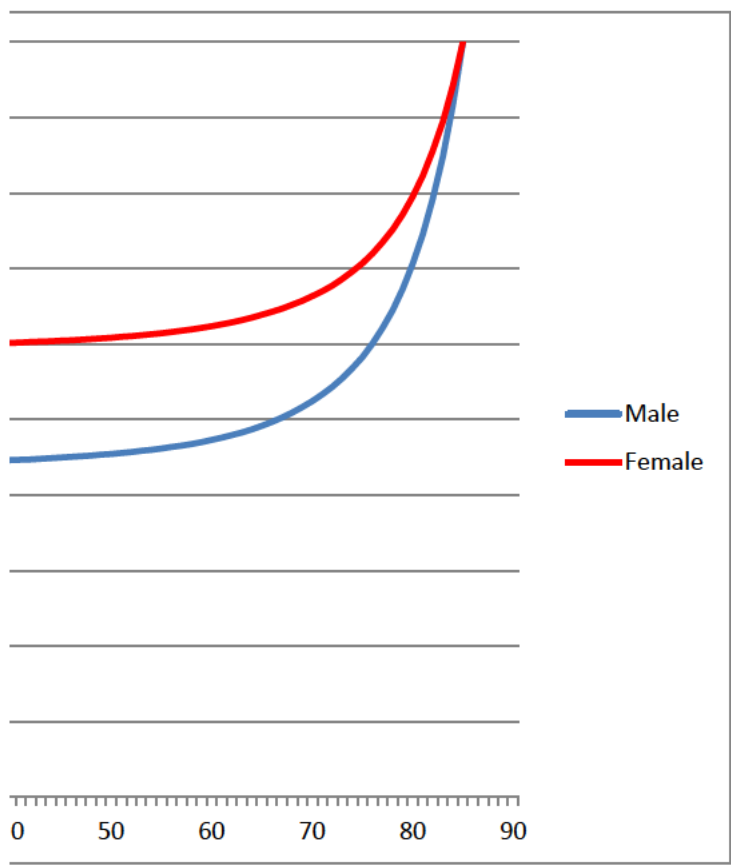
	Male	Female
0	0.4342	0.5931
1	0.4362	0.5955
2	0.4364	0.5956
3	0.4365	0.5957
4	0.4365	0.5958
5	0.4366	0.5959
6	0.4366	0.5959
7	0.4367	0.5960
8	0.4367	0.5960
9	0.4368	0.5960
10	0.4368	0.5961
11	0.4368	0.5961
12	0.4369	0.5962
13	0.4369	0.5962
14	0.4370	0.5963
15	0.4370	0.5963
16	0.4371	0.5964
17	0.4372	0.5965
18	0.4374	0.5967
19	0.4377	0.5968
20	0.4379	0.5970
21	0.4382	0.5971
22	0.4385	0.5973
23	0.4389	0.5974
24	0.4392	0.5976
25	0.4395	0.5978
26	0.4398	0.5979
27	0.4402	0.5981
28	0.4405	0.5983
29	0.4409	0.5985
30	0.4413	0.5987
31	0.4417	0.5989
32	0.4421	0.5991
33	0.4426	0.5994
34	0.4431	0.5996

Probability of Reac



35	0.4435	0.5999
36	0.4440	0.6002
37	0.4445	0.6005
38	0.4450	0.6009
39	0.4456	0.6013
40	0.4461	0.6017
41	0.4467	0.6021
42	0.4474	0.6026
43	0.4480	0.6032
44	0.4488	0.6037
45	0.4495	0.6044
46	0.4504	0.6051
47	0.4513	0.6058
48	0.4523	0.6066
49	0.4533	0.6075
50	0.4545	0.6084
51	0.4557	0.6095
52	0.4570	0.6106
53	0.4585	0.6118
54	0.4600	0.6131
55	0.4617	0.6145
56	0.4635	0.6160
57	0.4655	0.6176
58	0.4677	0.6194
59	0.4702	0.6214
60	0.4729	0.6236
61	0.4758	0.6261
62	0.4792	0.6288
63	0.4829	0.6319
64	0.4871	0.6351
65	0.4917	0.6388
66	0.4969	0.6427
67	0.5027	0.6471
68	0.5092	0.6519
69	0.5164	0.6573
70	0.5244	0.6633
71	0.5334	0.6700
72	0.5435	0.6776
73	0.5549	0.6862
74	0.5680	0.6960
75	0.5831	0.7071
76	0.6005	0.7198
77	0.6209	0.7346
78	0.6447	0.7517
79	0.6727	0.7717
80	0.7059	0.7952
81	0.7453	0.8229
82	0.7923	0.8559
83	0.8488	0.8952
84	0.9170	0.9426
85	1.0000	1.0000
86		
87		
88		
89		
90		

Probability of Reaching Age 85 Given Exact Age in 2010



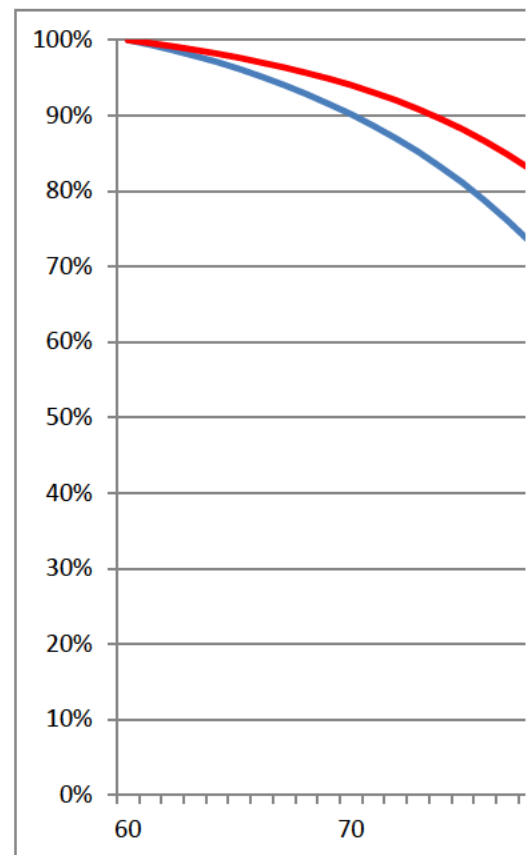
Probability of Reaching a Particular Age Given Current Age 60 - Current Projections

Probability of Reaching A Particular Age Given Aged 60

Age and Sex	2010	2020	2030	2040	2050
Male - 70	0.9016	0.9275	0.9455	0.9584	0.9683
Male - 75	0.8109	0.8577	0.8909	0.9153	0.9343
Male - 80	0.6699	0.7395	0.7919	0.8320	0.8647
Male - 90	0.2564	0.3273	0.3935	0.4544	0.5121
Female - 70	0.9403	0.9532	0.9632	0.9709	0.9771
Female - 75	0.8820	0.9068	0.9263	0.9416	0.9539
Female - 80	0.7843	0.8258	0.8597	0.8872	0.9095
Female - 90	0.3955	0.4615	0.5244	0.5829	0.6364

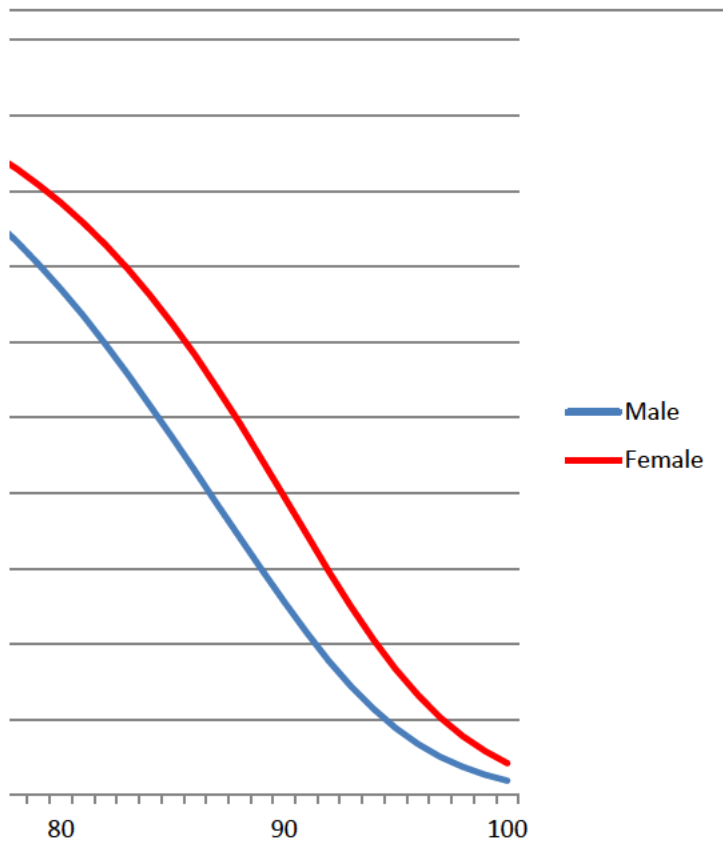
	Male	Female
60	1.0000	1.0000
61	0.9937	0.9961
62	0.9868	0.9917
63	0.9792	0.9870
64	0.9709	0.9819
65	0.9617	0.9763
66	0.9516	0.9703
67	0.9406	0.9638
68	0.9286	0.9567
69	0.9156	0.9488
70	0.9016	0.9403
71	0.8865	0.9308
72	0.8701	0.9204
73	0.8521	0.9088
74	0.8325	0.8961
75	0.8109	0.8820
76	0.7874	0.8664
77	0.7616	0.8490
78	0.7334	0.8297
79	0.7029	0.8082
80	0.6699	0.7843
81	0.6345	0.7578
82	0.5968	0.7287
83	0.5571	0.6966
84	0.5156	0.6616
85	0.4729	0.6236
86	0.4292	0.5827
87	0.3853	0.5390
88	0.3417	0.4928
89	0.2986	0.4447
90	0.2564	0.3955
91	0.2157	0.3458
92	0.1779	0.2968
93	0.1438	0.2496
94	0.1140	0.2058

Probability of Reaching



95	0.0887	0.1666
96	0.0677	0.1322
97	0.0507	0.1027
98	0.0373	0.0781
99	0.0268	0.0580
100	0.0189	0.0422

| A Particular Age Given Aged 60 in 2010



From: s47F [redacted]@industriysuper.com>
Sent: Friday, 25 November 2011 2:33 PM
To: s47F [redacted]
Subject: ISN applauds financial services and superannuation reforms
Attachments: ISN applauds Government for financial services and superannuation reforms.pdf

MEDIA RELEASE

24.11.11



Industry
Super
Network

ISN applauds financial services and superannuation reforms

Industry Super Network congratulates the Australian Government on the introduction of the best interests test and provisions prohibiting the payment and receipt of conflicted remuneration as part of the Corporations Amendment (Further Future of Financial Advice Measures) Bill 2011 introduced to Parliament today.

David Whiteley, Chief Executive, Industry Super Network said that the best interests test and prohibition of conflicted remuneration would provide a fairer financial advice system for Australian consumers and ensure that super products would be recommended on the basis of their net performance rather than sales commissions and other incentives paid to financial planners.

“The best interests test and prohibition of conflicted remuneration represent key planks of the Future of Financial Advice reforms and will deliver better quality financial advice services for Australian consumers,” he said.

“Importantly, the new measures mean that financial planners will no longer be able to receive commissions from product providers to recommend certain super funds to their clients.”

Mr Whiteley commented that the reforms contained in both Future of Financial Advice Bills represent a set of moderate, interdependent measures that have been developed through extensive consultation with industry.

“However, the success of these reforms to transform the financial advice industry into a profession is dependent on all measures being passed in their entirety through both houses of Parliament,” he said.

Mr Whiteley also commended the Government on the passing of legislation to raise the Superannuation Guarantee from nine to 12 per cent in the House of Representatives yesterday.

“This new legislation, in combination with the Future of Financial Advice reforms, moves Australia closer to a vastly improved retirement savings system,” he said.

“ISN has long advocated boosting the compulsory Superannuation Guarantee, while at the same time improving the efficiency and equity of the superannuation system through bans on commissions and improving tax incentives for low income earners.

“Increasing the Superannuation Guarantee contribution to 12 per cent will add tens of thousands of dollars to the retirement income of average Australians.”

Industry Super Network will continue to support reforms to financial services and superannuation that help to improve consumer trust and confidence in the system and maximise the retirement savings of all Australians.

Contact – David Whiteley, CEO, Industry Super Network - 0417 131 551

The opinions above are those of the author in their capacity as spokesperson for Industry Super Network. The Network, authors and all other persons involved in the preparation of this information are thereby not giving legal, financial or professional advice for individual persons or organisations. Consider your own objectives, financial situation and needs before making a decision about superannuation because they are not taken into account in this information. You should consider the Product Disclosure Statement available from individual funds before making an investment decision.

From: Industry Super Network
<admin=industrysuper.com@createsend3.com> on behalf of
Industry Super Network <admin@industrysuper.com>

Sent: Monday, 17 September 2012 3:18 PM

To: Gallagher, Phil

Subject: ISN challenges high frequency trading and supports OTC derivatives reform

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17 September, 2012



ISN challenges high frequency trading and supports OTC derivatives reform

Industry super funds are long-term investors focused on deploying patient capital that supports sustainable economic growth and generates superior returns for beneficiaries.

The global financial crisis and ongoing financial turmoil clearly show that the financial system can affect the ability of super funds to meet the retirement expectations of members and make the kind of investments consistent with our values.

ISN is therefore engaging on a number of issues related to how the financial system and financial markets operate to support the industry super fund model of investing and the capacity of industry super funds to achieve superior results for members.

High frequency trading (HFT) is an example of market practices that do not work on behalf of long term investors, such as super funds.

Accordingly, ISN is calling for a moratorium and careful study of HFT.

ISN has also expressed concern about over-the-counter (OTC) derivatives, which were a catalyst of the financial crisis. As such, we have recently engaged with the Government in support of its efforts to establish

a regulatory regime for OTC derivatives consistent with the Australia's G20 commitments in this area.

Further information on both of these areas is available below.

ISN calls for moratorium on high frequency trading in financial markets

Industry Super Network has today called for a moratorium on high frequency trading (HFT) in Australian financial markets. The call comes as part of ISN's submission to ASIC on the subject, along with a number of other issues that ISN believes have the ability to impact on long term investors, such as super funds.

Zachary May, Director of Regulatory Policy, ISN, said that high frequency trading is on the rise in Australia, and in other jurisdictions it has already been found to exacerbate market crashes and undermine investor confidence in the fairness of markets.

"Super funds are custodians of retirement savings and hold significant assets listed on the financial markets. Recent changes in market structure, market practices, and technology have created advantages for a subclass of traders – high frequency traders – who seek to create and exploit an un-level playing field to earn profits. "Ultimately, this can come at the expense of long-term investors like super funds."

Mr May commented that high frequency traders could be likened to sophisticated robots that have been let loose to cash in over long term investors.

"We would never let a listed company make selective disclosure or provide a sneak peak at important information to a small group of traders. Yet on financial markets, kickbacks for sneak peeks at market data are part of how the exchanges make money, and the trading firms who pay those kickbacks have grown in the darkness and now are large and influential. We are at risk of letting them become the dominant force," he said.

Mr May congratulated ASIC for its early and ongoing consideration of the issue.

"Unlike other jurisdictions where high frequency trading is prevalent, Australia still has time to get ahead of this issue. A moratorium would allow technological and market developments to proceed only after the risks have been carefully studied by ASIC. Further, the benefits of technology could be brought to bear for all investors in the public interest, not just a small subset of traders."

For details about the potential risks to long-term investors raised by high frequency trading and the specific issues ISN would like ASIC to study, [click here](#).

To view ISN's submission to the government on over-the-counter derivatives, [click here](#).

This email was sent by Industry Super Network (ISN)

Casselden Place, Level 30, 2 Lonsdale Street Melbourne Victoria 3000
ISN Pty Ltd ABN 72 158 563 270 Corporate Authorised Representative No.
426006 of Industry Fund Services Ltd ABN 54 007 016 195 AFSL 232514

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From: s47F [REDACTED]@industriysuper.com>
Sent: Friday, 11 May 2012 5:31 PM
To: s47F [REDACTED]
Subject: ISN honours Senator Nick Sherry
Attachments: ISN honours Senator Nick Sherry.doc

<<ISN honours Senator Nick Sherry.doc>>

ISN honours Senator Nick Sherry

Industry Super Network, Chief Executive, David Whiteley has today recognised Senator Nick Sherry's invaluable contributions to the development of Australia's world class superannuation system, following the announcement of the Senator's retirement from the Australian Parliament.

"Senator Sherry's unwavering commitment to improving the retirement incomes of working Australians during his 22 years in the Parliament is to be commended," Mr Whiteley said.

"The Senator has been central to the establishment and improvement of our superannuation system, firstly in his role as Chair of the Senate Select Committee on Superannuation from 1991 to 1993, and more recently as Minister for Superannuation from 2007 to 2009.

As Chair of the Senate Select Committee on Superannuation, Senator Sherry played a key role in delivering the Superannuation Guarantee (SG). In his role as Minister for Superannuation, he was instrumental in delivering greater transparency to the system by campaigning for the publication of APRA league tables based on fund net performance. The Senator also set in train the Cooper Review, which recommended a number of measures to improve the effectiveness of the superannuation system. Many of these measures are now being legislated by Parliament.

"Senator Sherry is held in great esteem by the superannuation industry, particularly for his extensive knowledge of the system and also for his efforts to continually improve it.

"Senator Sherry's presence in the Parliament will be greatly missed but his legacy will benefit many generations to come," Mr Whiteley concluded.

MEDIA RELEASE

11.05.12



Industry
Super
Network

ISN honours Senator Nick Sherry

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Contact: David Whiteley – 0417 131 551

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From: Industry Super Network <admin=industrysUPER.com@cmail4.com> on behalf of Industry Super Network <admin@industrysUPER.com>
Sent: Wednesday, 12 September 2012 10:58 AM
To: Gallagher, Phil
Subject: ISN questions Financial Services Council policy on super governance

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12 September, 2012



ISN questions Financial Services Council policy on super governance

Industry Super Network has today expressed concerns relating to the new Financial Services Council policy on superannuation governance.

The new FSC policy proposes to allow retail super funds to appoint 'in-house' directors to their boards and therefore fails to address one of the major governance issues for retail super funds, namely the tension between their legal obligation to maximise shareholder returns and the fiduciary duty owed to fund members.

"Compulsory superannuation is a public-private partnership with responsibility for the retirement income of millions of Australians. As such, governance and disclosure standards must be of the highest standard," Mr Whiteley said.

"The Financial Services Council's new governance policy fails the basic test of ensuring that their directors face no potential conflict of interest in terms of putting the interests of members first."

The Financial Services Council governance policy:

- Has a flawed conception of independent directors. It would allow retail funds to replace bank and insurance executives who are currently often filling the role of director with 'in-house' non-executive

directors from the corporate group. In-house directors from the board of the bank, funds manager or insurer are related parties who will encounter significant conflicts of interest and conflicts in duty.

- Contains no proposal to avoid or even disclose related party transactions between the parent company, related entities and the RSE. This is notwithstanding the fact that an Australian Prudential Regulation Authority (APRA) working paper has observed that related party transactions between retail super funds and their related party service providers are on average two times the market rates.

“The most significant governance challenge for retail fund directors is the conflict which exists between their duty to shareholders of the parent company versus the duty held by trustees to members of the fund,” Mr Whiteley said.

“While the FSC has recognised this conflict with respect to executive directors, it is silent on the similar conflict in duty that would exist for directors if they were directors of both the RSE and a related party service provider or parent entity.

“There is no way that retail super funds can tenably claim that an "in house" director would exhibit the level of independence required for filling the role of independent director within our compulsory superannuation system.”

ISN's concerns are supported by Professor Thomas Clarke, Director, UTS Centre for Corporate Governance at the University of Technology in Sydney. Professor Clarke said that ISN is right to question the viability of the FSC Superannuation Governance Policy on the grounds of:

- a lack of definition of what constitutes an independent director of a superannuation fund
- the conflicts of interest and conflicts of duty that would inevitably and consistently occur if directors of superannuation funds are also non-executive directors of parent banks and insurance companies
- the inevitable and continuous related party transactions that would be prevalent in the provision of all primary services to the superannuation fund if the directors of the fund were also directors of the parent bank or insurance companies.

“The FSC proposals in the draft Standard on Superannuation Governance Policy do not meet the standards of governance, transparency or accountability that the beneficiaries of superannuation funds demand. The independence of directors under the proposals is not assured. The inevitable conflicts of interest and duties could damage the integrity and reputation of the industry,” he concluded.

For a full copy of the ISN Briefing Note on FSC Superannuation Governance Policy, [click here](#).

For a full copy of the commentary provided by Professor Thomas Clarke on the subject, [click here](#).

This email was sent by Industry Super Network (ISN)

Casselden Place, Level 30, 2 Lonsdale Street Melbourne Victoria 3000
ISN Pty Ltd ABN 72 158 563 270 Corporate Authorised Representative No.
426006 of Industry Fund Services Ltd ABN 54 007 016 195 AFSL 232514

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From: s47F [REDACTED]@industriysuper.com>
Sent: Thursday, 1 March 2012 5:09 PM
To: s47F [REDACTED]
Subject: ISN welcomes PJC report on financial advice reforms
Attachments: ISN welcomes PJC report on financial advice reforms.doc

Industry Super Network welcomes PJC report on financial advice reforms

Industry Super Network today welcomed the Parliamentary Joint Committee report on the Future of Financial Advice reforms, which was tabled in Federal Parliament yesterday.

David Whiteley, Chief Executive, Industry Super Network, commented: "The report outlines a set of moderate and balanced recommendations, which will help ensure that the reforms deliver a range of benefits to both the industry and consumers."

According to research by Rice Warner Actuaries published in February 2012, the reforms will result in numerous benefits to consumers, the financial planning industry and national savings:

- the provision of financial advice in Australia will increase by more than 100 per cent, largely driven by an increase in the provision of scaled advice by more than six-fold
- superannuation and other savings of individuals will increase by an estimated \$130 billion by 2026
- the cost of financial advice for ordinary Australians is anticipated to reduce, with the weighted average cost falling by around 44 per cent
- adviser numbers will remain broadly stable, with the most significant change being the proportion of planners providing full service and scaled advice
- adviser incomes are expected to grow strongly in real terms, up to \$260,000 per annum in 2026 (after inflation and in today's figures).

Mr Whiteley noted that a certain degree of latitude and flexibility should be permitted regarding legislative implementation dates to give the industry time to accommodate the reforms. However, there was no need for wholesale delay in implementation, he said.

Mr Whiteley urged the Parliament to pass the package of reforms in its current form to bring necessary certainty to consumers, financial planners and the finance sector.

Contact David Whiteley – 0417 131 751

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<<ISN welcomes PJC report on financial advice reforms.doc>>

s47F

Public Affairs and Media Manager

Industry Super Network

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MEDIA RELEASE

1.03.12



Industry Super Network welcomes PJC report on financial advice reforms

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David Whiteley, Chief Executive, Industry Super Network, commented: "The report outlines a set of moderate and balanced recommendations, which will help ensure that the reforms deliver a range of benefits to both the industry and consumers."

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From: Industry Super Network <admin@industriysuper.com>
Sent: Thursday, 22 March 2012 7:00 PM
To: Gallagher, Phil
Subject: Media Release: Historic financial advice reforms a win for Australian consumers

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Media Release: Historic financial advice reforms a win for Australian consumers

Industry Super Network (ISN) today applauded the passage of the Future of Financial Advice (FoFA) Bills through the House of Representatives with the support of the Independents.

The bills deliver important safeguards for financial advice consumers, and will bring about the cultural changes needed for the financial advice industry to attain its aspiration to be regarded as a profession.

David Whiteley, Chief Executive, Industry Super Network, commented, "For the first time financial planners will be required by legislation to act in the best interests of their clients, and sales commissions and other forms of conflicted remuneration will be prohibited.

"Importantly, the biennial 'opt in' requirement will ensure ongoing asset-based fees do not simply replicate trail commissions and unnecessarily reduce super savings.

"ISN supports the final proposal which will enshrine 'opt-in' in the law, but with the flexibility for financial planners and licensees to gain relief from ASIC if they sign up to an approved code of conduct.

"ASIC will provide relief to licensees and financial planners who are bound by an approved code of conduct, which obviates the need for the opt-in requirements.

“This dual approach delivers protection for consumers and the opportunity for the financial planning industry to evolve into a respected profession, an objective which is supported by industry super funds.”

Mr Whiteley said that industry super funds will continue to work constructively with the financial planning industry in its journey to becoming a profession.

“The central objectives of removing conflicts of interests and increasing the accessibility of financial advice have been achieved. The reforms will lead to an increase in the provision of advice and drive down costs for consumers.

“These are a balanced and moderate set of reforms which will provide a foundation for growth in the financial planning industry, promote increased transparency, and instill greater confidence and trust in the industry by consumers,” he said.

Mr Whiteley congratulated Minister Shorten and the Independents, as well as other stakeholders in the financial services industry who have played a constructive role in the reform process.

Contact: David Whiteley, Chief Executive, Industry Super Network - 0417 131 551

This email was sent by Industry Super Network (ISN)
Casselden Place, Level 31, 2 Lonsdale Street Melbourne Victoria 3000
ISN is a division of Industry Funds Services (IFS)
ABN No: 54 007 016 195 | AFSL: 232514

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From: s47F [REDACTED]@industrysUPER.com>
Sent: Wednesday, 9 November 2011 3:30 PM
To: s47F [REDACTED]
Subject: MEDIA RELEASE: ISN applauds new ASIC financial planning tools
Attachments: ISN applauds new ASIC financial planning tools.pdf

<<ISN applauds new ASIC financial planning tools.pdf>>

ISN applauds new ASIC financial planning tools

Industry Super Network congratulates the Australian Securities and Investments Commission (ASIC) on the launch of its new *Financial Decisions at Retirement* guide and improved online calculator, *MoneySmart Retirement Planner*. ISN believes the tools will greatly increase Australians' access to financial information and education on superannuation and how they can best save for their retirement.

David Whiteley, Chief Executive, ISN said that the delivery of financial information and advice in Australia is changing and that consumers are increasingly demanding information and advice through a range of avenues, including online and over the phone.

"As Australians become more technology savvy, there is an expectation that they will be able to access information about superannuation and other financial products online. ASIC's tools meet this need.

"Providing quick and easy access to information about superannuation and retirement is an important part of helping Australians maximise their retirement savings, which are a compulsory investment."

Mr Whiteley noted that ASIC's tools are just one part of the transformation of financial advice in Australia. Intra-fund advice, which is basic financial advice provided to members of a super fund, is also growing rapidly. The majority of this advice is delivered over the phone - however, the use of online tools will also increase significantly in the next decade.

"Intra-fund advice fills a critical gap in the marketplace by providing low-cost, basic financial advice on issues relevant to super. In many cases, these are common queries that can be easily answered or resolved, but which can make a big difference to a person's long term retirement savings."

Mr Whiteley commented that by providing basic financial advice tools and services to consumers such as the *MoneySmart* calculator and intra-fund advice, consumers would be

more likely to seek out more comprehensive financial advice services as their circumstances required.

“Australians need basic financial advice services and guidance that they can trust, so that they can get the most out of their retirement income.

“Initiatives such as the *MoneySmart* calculator and intra-fund advice services delivered online and over the phone meet member demand, and reflect how people are looking to seek and receive financial advice.

“This is likely to lead to a greater appreciation of the value of financial advice, and ultimately, an increased uptake of traditional financial planning services over the long term.”

Contact – David Whiteley, CEO, Industry Super Network - 0417 131 551

MEDIA RELEASE

09.11.2011



ISN applauds new ASIC financial planning tools

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Contact – David Whiteley, CEO, Industry Super Network - 0417 131 551

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From: Industry Super Network <admin=industrysuper.com@createsend1.com> on behalf of Industry Super Network <admin@industrysuper.com>
Sent: Friday, 14 December 2012 10:49 AM
To: Gallagher, Phil
Subject: Merry Christmas from Industry Super Network

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From: Industry Super Network <admin@industriysuper.com>
Sent: Thursday, 2 December 2010 10:57 AM
To: Gallagher, Phil
Subject: Network News - December 2010

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Issue 3 2 December 2010



NETWORK NEWS

What's new?

Welcome to the final issue for 2010 of Industry Super Network's (ISN) e-newsletter, *Network News*.

This year has been an important one for the superannuation and financial services industries and in this issue we look at some of the key challenges that will need to be dealt with in the coming months.

We also highlight some of the major activities ISN has been involved with in 2010, including new research showing that the Government's super measures are an efficient way to boost super savings, new data showing why the MySuper criteria must be strong, research into the retirement intentions of industry fund members, together with a submission on new professional standards for accountants providing financial advice.

In this edition of *Network News*, we also look at how the roll-out of the intra fund advice regime will increase demand for advice

IN THIS ISSUE

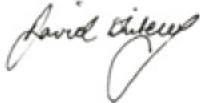
- [Super reform stays centre stage](#)
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- [Accountants must choose professionalism or sales](#)
- [Intra fund advice will increase demand for advice services](#)

services, the important role industry super funds are playing in supporting communities throughout Australia and the representation of industry super funds on the Government's new FoFA panel.

- [LUCRF Super makes a real difference in peoples' lives](#)
- [HESTA CEO appointed to FoFA panel](#)

During the year ISN has been very active in providing support to its key stakeholders and the five million Australians relying on them to help build their retirement savings. This work will continue in 2011 as we strive to ensure superannuation remains one of Australia's greatest public policy success stories.

Yours sincerely



Industry Super Network

Super reform stays centre stage

This year has seen a number of major Government announcements and reviews with the potential to significantly alter Australia's super system. As part of this process, ISN has played an active role in making submissions and calling for policy changes to build confidence and ensure the super system maximises retirement incomes.

[READ MORE](#)

Research shows super measures efficient way to boost super savings

New Research released by Industry Super Network (ISN) shows that the Government's proposed super measures will cost half as much as the super measures recommended by the Henry Review and can be implemented far more smoothly. ISN's latest briefing note '*Bang for your Buck*'* assesses the feasibility of the Henry proposals for super and concludes the Government's alternative approach is justified for a range of reasons.

The Government's proposals include an increase in the Super Guarantee (SG) from 9 to 12 percent and rebate of contributions tax for low income earners worth up to \$500 per annum.

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New data shows why MySuper criteria must be strong

New SuperRatings performance data shows industry super funds outperforming retail super funds and illustrates the need for default funds to be strong net benefit performers. The new research shows that industry super funds have outperformed their retail rivals over one, three, five, seven and ten years to October 2010.

ISN CEO David Whiteley said that the latest figures illustrate why many employers choose industry super funds as their workplace default fund.

[READ MORE](#)

Financial pressures influence retirement decisions

Many people drawing down on their super are yet to retire from the workforce and describe their current income as only 'modest' or 'tight'. This makes financial pressure a significant influence on decision-making at retirement for some super fund members, according to a new ISN study.

[READ MORE](#)

Accountants must choose professionalism or sales

Accountants providing financial advice have reached a fork in the road and must move to adopt the high professional standards applying to other accounting fields, or risk slipping into the sales culture common in the financial planning profession, according to ISN.

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Intra fund advice will increase demand for advice services

The new intra fund advice regime is making financial advice accessible to consumers who would otherwise be unlikely to seek it and this will create growing demand for traditional financial planning services.

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LUCRF Super makes a real difference in peoples' lives

LUCRF Super has established the new LUCRF Community Partnership Trust with the aim of making a difference within the Australian community. The new Trust will focus on identifying and supporting worthwhile programs that build skills, capacity and knowledge within communities.

The LUCRF Community Partnership Trust was officially launched on 8 November by the then Victorian Treasurer and Minister for Financial Services, Mr John Lenders, at an event at Federation Square in Melbourne attended by more than 150 guests.

According to LUCRF Super CEO, Greg Sword, the new Trust will serve "as a unique opportunity for LUCRF to engage with the communities in which our members work and live, where we hope to make a real difference in peoples' lives."

The Trust's Board of Trustees consists of well-known and respected individuals who have dedicated their careers to improving the lives of others.

The inaugural grant recipients of the new Trust announced during the launch event are the Doxa Youth Foundation, Sister Francesca Healy Cottage and Youth Projects Limited.

For more information about the LUCRF Community Partnership Trust, visit www.lucrf.com.au

HESTA CEO appointed to FoFA panel

HESTA Chief Executive Officer, Anne-Marie Corboy, has been appointed to the Federal Government's new Advisory Panel on Financial Advice and Professional Standards. Announcing the panel the Assistant Treasurer and Minister for Financial Services and Superannuation, Hon. Bill Shorten, said the panel will play a key role in lifting the level of professional standards and promoting confidence in the financial advice industry. This is a major component of the Gillard Government's *Future of Financial Advice* reforms, the Minister said.

'The panel is made up senior representatives from across the financial services industry as well as consumer, academic and employee representatives.'

ISN congratulates Anne-Marie and welcomes her appointment to the panel, and the representation of industry super funds in this important forum. Industry super funds have long worked for changes to Australia's financial planning industry, consistent with best practice public policy and international financial services sector reform. The reforms will grow individual and national savings and increase demand for financial advice.

For more information about the panel visit: <http://ministers.treasury.gov.au/DisplayDocs.aspx?doc=pressreleases/2010/015.htm&pageID=003&min=brs&Year=&DocType=0>

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Issue #2 22 October, 2010 



NETWORK NEWS

What's new?

Welcome to the second edition of Industry Super Network's (ISN) e-newsletter, *Network News*.

In the coming months, both the superannuation industry and the wider financial services industry will be facing a number of important challenges. The ongoing consultation over the Future of Financial Advice (FOFA) reforms and the need for greater transparency in disclosing the true cost of advice and commissions to super fund members are two of these.

In this edition of *Network News*, we look at some of the key points surrounding these issues and their significance for Australian workers saving for their retirement.

The superannuation industry is also implementing a number of important regulatory changes introduced by the Government, which are significantly altering the way funds operate. Both the new intra fund advice regime and the introduction of simplified Product Disclosure Statements are helping to improve the industry's operations and are encouraging members to become more engaged with their superannuation savings.

IN THIS ISSUE

- [Keeping members properly informed about investment returns](#)
- [FOFA must be implemented in full](#)
- [Major growth expected as intra fund advice roll-out continues](#)
- [ISN supports implementation of simplified PDS regime](#)
- [Industry recognition for super fund excellence](#)
- [Contacts](#)

ISN has been active in helping industry super funds roll-out these new regulatory policies and deal with any concerns that arise. We have also continued our work advocating superannuation policies that benefit Australian workers and retirees, and we will maintain our vocal support for reforms that achieve this important public policy goal.

Yours sincerely,



David Whiteley
Chief Executive

Keeping members properly informed about investment returns

According to the SuperRatings September 2010 crediting rate survey industry super funds have outperformed for-profit funds over one, three, five, seven and ten years. The figures reveal an almost two percentage point difference over ten years in the balanced investment option* results of industry super funds and retail master trusts. No retail master trusts make the top 10 for these time periods.

'Industry super funds have outperformed their retail counterparts in strong and weak investment markets, and over the short, medium and long term,' said David Whiteley, Chief Executive of Industry Super Network.

Mr Whiteley said that a consistent two percentage point difference between industry super funds and retail master trusts over the long term was the result of higher fee structures and the payment of commissions and other incentives to financial planners by retail funds.

'The outperformance of industry super funds relative to retail master trusts shows the importance of selecting appropriate workplace default funds that deliver long term superior net returns in Awards and agreements', said Mr Whiteley. 'These results highlight that tighter regulation is necessary to ensure that the retirement savings of members are not drained by excessive fees.'

All fees and charges must be included

The most important measure for members, employers and regulators is the net return earned by members. Given the compulsory nature of super, members need to receive a clear picture from their fund about the investment returns they are receiving on their superannuation savings.

Without a transparent reporting method that reveals the true cost of fund administration or ongoing advice fees and commissions, members cannot make informed choices.

To encourage improved disclosure in this area, ISN has released a new report on the topic. *Towards full and transparent reporting of investment returns in super* outlines the different methods currently used to report superannuation returns and argues that to be truly comparable and useful, returns need to be reported net of tax and all fees and costs.

Members find the current variety of methods used by ratings agencies, regulators and funds to report returns confusing, making it difficult for them to properly compare the performance of different super funds.

ISN supports the Cooper Review's recommendation that super funds should report their investment returns net of all fees and taxes, and notes that this can be done by making reasonable assumptions about account

balances and contributions.

An efficiency measure

Mr Whiteley says an estimated four million retail super fund members are paying ongoing advice fees/commissions without receiving any financial advice. “Over a working life, high fees and commissions can substantially erode workers’ retirement savings by tens of thousand of dollars.” Both the superannuation industry’s regulators (ASIC and APRA) and the Super System Review Panel (Cooper Review) all support the reporting of fund returns net of all fees and ongoing advice fees/commissions.

Click on the link for a copy of the ISN paper on fee disclosure: <http://industrysupernetwork.com/wp-content/uploads/2010/10/111010-Towards-full-and-consistent-reporting-sent.pdf>

** SuperRatings Fund Crediting Rate Survey – SR50 Balanced (60-76) Index, which includes investment options with a growth asset ratio between 60 and 76 per cent (inclusive).*

FOFA must be implemented in full

With consultation continuing on the Gillard Government’s Future of Financial Advice (FOFA) reforms, ISN is calling for full implementation of this important reform package.

ISN believes the FOFA reform package is unlikely to succeed unless it is implemented as announced, with all the key proposals designed to help build consumer confidence in the professionalism and integrity of financial planners included in the final legislation.

ISN is particularly concerned about pressure to water down the proposal for annual renewal of ongoing fee arrangements, as we believe the renewal proposal forms a vital ‘cornerstone’ to the FOFA reforms. The annual ‘opt in’ mechanism will ensure that ongoing advice fee arrangements support an ongoing relationship between adviser and client and that ongoing fees are not left in place simply through inertia. Clients must agree on an annual basis to fund the deduction of ongoing advice fees from their investments.

According to ISN Chief Executive, David Whiteley, the annual renewal mechanism is essential to the integrity of the reform package. “Without a requirement to annually renew these arrangements, the FOFA reforms will be seriously compromised. The annual review mechanism is a logical safeguard to ensure that the client continues to agree to fund ongoing advice fees.”

While financial planners may have concerns about the annual renewal mechanism, these can be addressed during the FOFA implementation process and should not undermine the success of the entire reform process.

The retail sector is also attempting to water down the prohibition of volume rebates, which are similarly used to incentivise planners to use products from a particular platform. The ban on all volume based rebates or payments represents a key component of the reform package and is an important step in rebuilding confidence in the investment industry. Far from harming the industry, research commissioned by ISN suggests the FOFA reforms will substantially increase the opportunities for financial planners to provide advice to Australian consumers.

The FOFA reforms are the foundation for achieving the Government’s public policy goals in this area making it essential that they are legislated intact and receive the full support of the entire financial services industry.

Click on the link for a copy of ISN’s report on the importance of the annual renewal proposal: <http://industrysupernetwork.com/wp-content/uploads/2010/10/101008-BN-Annual-Renewal-Requirement.pdf>

Major growth expected as intra fund advice roll-out continues

Large industry super funds continue to lead the way in rolling out simple super related advice at low or no cost to their members, with commercially operated retail funds also beginning to see the benefits of this new regulatory regime.

Advice has already been provided to 50,000 super fund members and ISN estimates that funds offering simple financial advice cover more than half the adult population of Australia.

The popularity of the new simple advice regime should signal to those funds with an advice process still in its infancy that they need to devote more resources to its roll-out so they are not left behind.

ISN recently released a briefing note titled *Provision of Intra Fund Advice Services by Not for Profit Super Funds*, which includes the results of a survey among the largest industry super funds about their implementation of the new ASIC guidelines. The survey found the models used by super funds to deliver single issue advice are divergent and tend to reflect the demographic needs of their particular memberships.

Since the publication of RG200 in 2009, there has been a significant shift in the positioning of financial advice services by industry super funds. Nearly all super funds are building or expanding their advice services, with the bulk of services focusing on providing simple single issue advice to members in the accumulation phase via efficient channels such as telephone based advice.

The key benefit of the new advice regime is it allows personal financial advice to be offered in a way that is efficient for both the member and the fund. It also ensures advice is given in the member's best interests and free from commissions or conflicted forms of remuneration.

ISN Chief Executive, David Whiteley, believes the growth in intra fund advice is a vital step in ensuring all Australians can access personal financial advice about their retirement savings.

"The bulk of the population, who do not currently see a financial adviser, have straightforward financial advice needs which can generally be satisfied by intra fund advice. Funds can deliver advice services which match their members' needs – one off pieces of advice on the main aspects of super – contributions, investment choice and having an appropriate level and type of insurance cover within their fund," he said.

Click on the link for a copy of the ISN Briefing Note on intra fund advice services:

<http://industrysupernet.com/wp-content/uploads/2010/10/Provision-of-Intra-Fund-Advice-by-Not-for-Profit-Super-Funds.pdf>

ISN supports implementation of simplified PDS regime

ISN has been busy assisting industry super funds successfully implement the new regulations allowing funds to provide their members with simplified or short form Product Disclosure Statements (PDSs). The amendments to the Corporations Amendment Regulations 2010 (No.5) commenced on 22 June 2010. Under the new rules, fund PDSs must not exceed eight pages in length for super funds and simple managed investment schemes.

The changes prescribe the content which must be included within the eight pages, such as product features and benefits, risks, taxation, investment options and fees and costs. Other material can be located outside the PDS document, with a reference included in the PDS to its location. Most super funds are providing this additional reference material on their website.

ISN is keen to assist industry super funds fulfil the Gillard Government's commitment to effective and concise disclosure within the superannuation sector. Most industry super funds have already moved to improve their level of disclosure to members and some have also started work on implementing the new PDS requirements.

As part of the ongoing consultation process on the new regulatory regime, ISN is working with ASIC and Government to ensure any issues regarding the new disclosure framework are addressed promptly.

If you would like more information please contact ISN Manager – Strategy, Robbie Campo,

rcampo@industrysuper.com

Industry recognition for super fund excellence

The excellence of industry super funds has been recognised yet again in this year's SuperRatings Awards. These awards seek to recognise super funds that genuinely provide services and/or financial benefits well ahead of the average super fund. Now in their eighth year, the highly regarded awards provide a clear guide for consumers to some of the best super funds in the Australian market.

One of the nation's leading industry super funds, the \$33 billion, 1.5 million member fund, AustralianSuper, was named as the SuperRatings Fund of the Year for 2011. AustralianSuper is the country's largest super fund in terms of funds under management.

The SuperRatings Fund of the Year award recognises the super fund which represents the best value for money across both the accumulation and pension drawdown phases. While AustralianSuper took out the top award, two other industry funds (CareSuper and HOSTPLUS) were also among the final nominees for the Super Fund of the Year award.

CareSuper was named SuperRatings Super of the Year, the fund that in SuperRatings assessment has provided best value for money to its members in the accumulation phase of superannuation.

CareSuper was one of 10 super funds nominated for this award, and as the 2011 winner, was recognised as excelling across the following criteria – investments, fees and charges, insurance, administration, advice, governance and overall benefits.

HOSTPLUS won two SuperRatings SR50 Awards – the SR50 Best Cash Return 2005-2010 and the SR50 Best Australian Shares Return 2005-2010.

For more detail about the SuperRatings Awards visit <http://www.superratings.com.au>

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Issue #1 15th September 2010 



NETWORK NEWS

Welcome

Welcome to the Industry Super Network e-newsletter, Network News. This was the most important election for workers and retirees in regard to their retirement savings in more than 20 years. Therefore, we believe it is appropriate to provide a summary of the current situation in the reform of superannuation and launch our new e-newsletter at the same time.

Congratulations to the Gillard Government on its re-election after securing sufficient numbers in the new Parliament for a workable majority.

Welcome to the new Assistant Treasurer and Minister for Financial Services and Superannuation, Hon. Bill Shorten and we look forward to an opportunity to contribute to implementation of the wide range of commitments to superannuation reform made by the Government in the previous term. Minister Shorten brings considerable knowledge of governance and the needs of members and employers to his portfolio.

The new Shadow Assistant Treasurer and Shadow Minister Financial Services and Superannuation, Senator Mathias

IN THIS ISSUE

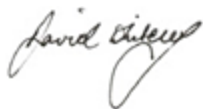
- [A step closer to major super gains for workers](#)
- [Supercharge Calculator](#)
- [Government reforms will encourage more people to seek financial advice](#)
- [Cooper Review update](#)
- [Pocket super guide](#)
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Cormann, is also welcomed to his new role and we look forward to future discussions.

Many thanks to the Hon. Chris Bowen for his significant contribution to the review of the superannuation system and financial advice as Minister for Financial Services and Superannuation, as well as a sense of purpose and clarity in defining outcomes. On behalf of the industry super movement I wish him well in his new role as Minister for Immigration and Citizenship.

ISN looks forward to continuing advocacy of superannuation policy that benefits Australian workers and retirees working in tandem with industry super funds, employer and employee representative groups, the super industry and a wide range of other groups and individuals that contribute to the debate on super. This first edition of Network News looks at superannuation reform, the Supercharge Calculator, financial advice, the Cooper Review and the Industry SuperFunds *Super Pocket Guide*.

Yours sincerely



David Whiteley
Chief Executive

A step closer to major super gains for workers

The 2010 Federal election saw superannuation gain its greatest political prominence in almost 20 years and probably ever as an election issue.

The re-election of the Labor Government is expected to result in draft legislation and Parliamentary debate on measures relating to adequacy, taxation, financial advice and the regulatory framework for default superannuation.

Key issues for the industry super movement include:

- A proposal to requiring financial planners to act in their clients' best interests and banning sales commissions
- Ensuring appropriate workplace default mechanisms are in place to protect the interests of workers that do not choose their own fund
- Modernising administrative systems to enhance the efficiency of the superannuation system
- Progressively lifting the Superannuation Guarantee from 9 to 12 percent
- Effectively removing contributions tax for low income earners with a rebate of up to \$500 per annum, and

- Allowing those over 50 with superannuation balances under \$500,000 to make catch up contributions of up to \$50,000 per annum

[READ MORE](#)

Supercharge Calculator

The new Industry SuperFunds Supercharge Calculator enables users to understand how the Federal Government's Super Changes and Tax Reforms will positively impact on their super account balance. It is simple to use, requiring few inputs – just age, current account balance and annual income. (The default settings are for a 25 year old which show that the proposed changes would equate to a 48% increase in super = \$70,382).

<http://www.industrysuper.com/calculator/>

Government reforms will encourage more people to seek financial advice

Research commissioned by Industry Super Network (ISN) suggests that the Government's Future of Financial Advice reforms will substantially increase opportunities to provide financial advice. Late last year, ISN commissioned two important studies that examined the demand for and supply of financial advice.

The first study was an online survey by Forethought Research of 804 adult Australians with superannuation, regarding their use of financial advice in the two years to November 2009.

The second study consisted of modelling by Rice Warner Actuaries of the impact of the Future of Financial Advice Reforms on the financial advice industry.

The two key messages that arose from both studies were:

- Currently, most consumers of full financial advice are high net worth individuals and those close to retirement.
- A ban on commissions on financial advice (including for risk insurance) will stimulate a rapid increase in the supply of non-complex advice.

[READ MORE](#)

Cooper Review update

The release of the Cooper Review's final Super System Review on 5 July and the Government's response on 1 August represent significant milestones for the history of super and the maturation of the super system.

The final report is a very comprehensive document with 177 recommendations covering the governance, efficiency, structure and operation of the superannuation industry.

Measures announced by the Prime Minister, Hon Julia Gillard on 1 August will mean the end of expensive retail funds in Australian workplaces, adding tens of thousands of dollars to workers' retirement savings.

Industry super funds have been offering low cost commission free super to millions of Australian workers since their inception and the measures announced by the Government will further broaden the benefits. From 1 July 2013, the Government proposes that default super funds in workplaces will no longer be allowed to

charge commissions or punitive exit fees. This will provide a dramatic improvement in retirement savings for at least 600,000 workers currently in expensive corporate master trusts.

[READ MORE](#)

Pocket super guide

More than 135,000 copies of the Industry SuperFunds Pocket Super Guide have been distributed throughout Australia. Of these 30,000 have been on sale in newsagents in every state and territory. Another 105,000 were ordered by funds, ME Bank and the ACTU for distribution in workplaces. The full guide will shortly be accessible via the Industry SuperFunds website and some fund websites in early September.

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Issue 7 19 April, 2011



NETWORK NEWS

How will the new concessional caps work?

While the Federal Government's decision to continue offering higher concessional contribution caps for those aged 50 and over after July 2012 has been welcomed, confusion remains about the different options under consideration.

The Treasury consultation paper, Concessional Superannuation Contribution Caps for Individuals Aged 50 and Over, provides a broad overview of how the measures will work. Under the proposal, individuals aged 50 and over with total super balances below \$500,000 will be allowed to make up to \$50,000 per year in concessional super contributions.

The measures are designed to allow individuals with low super savings to continue making additional 'catch-up' contributions close to retirement after the current cap expires on 30 June 2012.

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- [Super funds get active on climate change](#)
- [The young face of super](#)
- [AUSfund wins yet again](#)
- [ME Bank wins top spot in customer satisfaction award](#)
- [Contacts](#)

Getting your fund's name in an enterprise agreement

With a changing regulatory environment and a changing award system, the industry super movement needs to become more active in ensuring its funds are named in every enterprise agreement.

[READ MORE](#)

Super funds get active on climate change

Industry SuperFunds like Cbus, AustralianSuper and HESTA are involved in activities designed to address the challenges created by climate change, while ensuring members receive good long-term returns. Network News will provide regular updates on climate change activity in the sector.

[READ MORE](#)

The young face of super

Given the growing number of young professionals rising through the ranks of the super industry, opportunities to build personal networks and relationships are vital as the industry transitions to its next generation of leaders and managers.

[READ MORE](#)

AUSfund wins yet again

AUSfund has once again been rewarded for its long-term commitment to excellence in the eligible rollover fund (ERF) market and has taken out this year's SuperRatings award.

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ME Bank wins top spot in customer satisfaction award

ME Bank was awarded the 2011 Most Satisfied Customers Award in the challenger banks category of the latest CANSTAR blue Most Satisfied Customers Award.

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Issue #18 30/04/2012 



NETWORK NEWS

New figures highlight industry super fund outperformance

New data released last week by research house SuperRatings shows that the industry super fund sector has once again outperformed the retail super sector in the SR 50 Balanced Option over one, five, seven and ten year periods to 31 March 2012.

[READ MORE](#)

IN THIS ISSUE

- [ISN calls for default super fund selection to be based on long term net returns](#)
- [John Dawkins joins Cbus](#)
- [Learning about super from the inside](#)
- [Building a super career](#)
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ISN calls for default super fund selection to be based on long term net returns

On 5 April, Industry Super Network delivered its submission to the Productivity Commission on default superannuation funds in modern awards.

[READ MORE](#)



John Dawkins joins Cbus

Cbus has appointed John Dawkins AO, a former Treasurer in the Keating Government, as a new independent director to the fund's trustee board.

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Learning about super from the inside

Participants in the 2012 Super Grads Program are proving worthy of the 'super' title, as they spend a busy year tackling work placements and building valuable professional networks across the super industry.

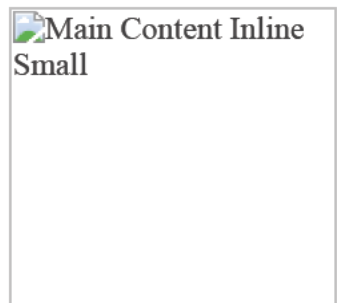
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Building a super career

For Victorian Hayden Elsem, the Super Grads Program represents a fabulous opportunity to take the next step in his career in the superannuation industry.

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Issue #11 30 August, 2011



NETWORK NEWS

Message from the Chief Executive

Australia's superannuation system is unique and is often upheld as one of the most successful retirement savings models in the world. In light of recent global market events, however, we need to do more to protect members' savings, including increasing our engagement with the global financial services industry, says ISN Chief Executive David Whiteley.

In July 2011, David delivered a special address to Sydney's prestigious Lowy Institute on this topic. The following editorial has been adapted from this address.

David Whiteley

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- [Market volatility raises question of longevity risk](#)
- [Roy Morgan research supports need for 'opt-in' provisions](#)
- [Meeting the challenge of Self Managed Super Funds](#)
- [Member fees capped through NGS Super/Cuesuper merger](#)
- [ME Bank a winner!](#)
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Market volatility raises question of longevity risk

The recent volatility seen in global stockmarkets raises one important issue that Australia has overlooked, says ISN's Chief Economist Sacha Vidler – How to effectively manage longevity risk in our superannuation savings system.

[READ MORE](#)

Roy Morgan research supports need for 'opt-in' provisions

ISN analysis of recent Roy Morgan research suggests that more than two million superannuation members in Australia are paying ongoing advice fees or commissions where there has never been communication with a financial planner. This alone is evidence enough for adopting the financial advice 'opt-in' provisions, says Robbie Campo, Manager - Strategy for ISN.

[READ MORE](#)

Meeting the challenge of Self Managed Super Funds

Self Managed Super Funds are now the largest sector of Australia's superannuation industry. This raises both threats and opportunities for industry super funds, says Richard Watts, External Relations Manager & Legal Counsel for Industry Super Network.

[READ MORE](#)

Member fees capped through NGS Super/Cuesuper merger

The merger between NGS Super and Cuesuper has resulted in a cap on administration fees for members.

[READ MORE](#)

ME Bank a winner!

ME Bank has been kicking goals in 2011, winning a series of industry awards for its low-cost, fair and customer-centric banking products and service. Its most recent wins include gold awards for its new home loan package - Member Package, its Low Rate Credit Card and its First Home Saver Account.

[READ MORE](#)

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Sent: Friday, 31 August 2012 2:57 PM

To: Gallagher, Phil

Subject: Network News August 2012

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Issue #22 31 August 2012



NETWORK NEWS

New Industry SuperFund advertising campaign celebrates super success story

On Sunday 19th August, Industry SuperFunds launched a new advertising campaign, celebrating the success and achievements of industry super funds since their inception. The campaign is currently running on television, in print and online.

The advertisements tell the story of the evolution of superannuation and follow the journey of industry super funds, including their achievements and what they have delivered for members and the nation.

David Whiteley, Chief Executive of Industry Super Network, said: "The industry super fund story is an incredible success story and one of which we should be proud.

"This new campaign celebrates the many contributions that industry super funds have made to Australia, including low-fee, no-

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commission super, investments that create jobs and build the nation, and of course strong long-term returns to members.

- [Contacts](#)

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MySuper legislation includes important new protection

Last week, the first tranche of the MySuper was passed in the House of Representatives with several important amendments being added, including one which protects members from being transferred into another fund without their consent when they change jobs.



[READ MORE.](#)

ASIC releases consultation paper on FoFA

On 9 August, ASIC released consultation papers containing proposed guidance for two aspects of the Future of Financial Advice (FOFA) reforms – the best interests duty (CP182) and scaled advice (CP183).



[READ MORE.](#)

Asset Super and CareSuper merger given the go-ahead

Industry super funds Asset Super and CareSuper today announced they have formally agreed to merge on 26 October 2012.

[READ MORE.](#)



ME Bank wins Best First Home Saver Account

ME Bank has once again been rewarded for helping young home buyers save for their first home at the Financial Review Smart Investor awards.

[READ MORE.](#)



MoneySmart Week

2-8 September 2012 will be Australia's inaugural Money Smart Week. And Australia's financial institutions are being called upon to get involved.



[READ MORE.](#)

SuperFriend launches R U OK? at Work sponsorship

SuperFriend, the mental health foundation supported by industry superannuation funds, this month launched a new sponsorship of the national R U OK? At Work program that will see the successful mental health initiative promoted in workplaces across the country.



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Subject: Network News December 2012

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Issue 25 11 December 2012 



NETWORK NEWS

Dear colleagues,

I would like to take this opportunity to wish you all a very Merry Christmas and a safe and prosperous New Year.

Yours sincerely

A handwritten signature in black ink, appearing to read 'David Wilson'.

Chief Executive

Industry Super Network

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A year of challenges and rewards

Very few of us would argue that 2012 has been a challenging year for superannuation. This of course has been underpinned by the continuing uncertainty surrounding global financial markets and the broader economy. But amidst the turmoil, progress and achievements have been made.

For ISN and industry super funds, the year has seen significant improvements in the regulation of financial advice and superannuation that will make the system better for industry super fund members.

There have been a number of significant legislative milestones, including the passing of the Future of Financial Advice (FoFA) reforms, which received Royal Assent in the Australian Parliament on 27 June 2012, the increasing of the Superannuation Guarantee to 12 per cent and the removal of tax on super for low income earners.



[READ MORE](#)

New leadership on ISN Board

On 15 November, Industry Super Network was delighted to announce The Honourable Steve Bracks AC as Chair and The Hon Peter Collins AM QC as Deputy Chair of the ISN Board.

[Mr Bracks](#) was Premier of Victoria for almost eight years, winning successive elections with large majorities. As Premier, he started rebuilding Victoria's services and infrastructure whilst maintaining strong budgets and a growing economy.



The Hon Steve Bracks AC

[Mr Collins](#) has had a distinguished career as a Company Director, Parliamentarian, Military and Naval Reserve Officer, Barrister and ABC Journalist. He currently holds a number of directorships with both public and private institutions. Mr Collins is also an independent director on the Board of industry super fund, HOSTPLUS.



The Hon Peter Collins AM QC

New governance and disclosure proposal announced

On 15 November, Industry SuperFunds announced a new governance and disclosure proposal for Australia's super system.

Announced by the Hon Steve Bracks AC in his new role as Chair of Industry Super Network, the proposal recommends universal governance and disclosure standards for the entire super industry, including the disclosure of director information and remuneration, fees paid to material professional and financial service providers, and related party transactions. The proposal also calls for integrity in business conduct, in particular that related party transactions be made at 'arm's length'.



[READ MORE](#)

Clarity is the way to get super result

By Steve Bracks, Chair, Industry Super Network

Industry SuperFunds are leading the way in advocating for increased governance and disclosure across the super industry. In this Opinion Editorial, Steve Bracks outlines the case for increased transparency from all entities in the system.

[READ EDITORIAL](#)

Super legislation update

The end to the parliamentary year saw a range of important super related legislation make its way through the House of Representatives and Senate.

Bills which made their way through to the statute books included further elements of the Stronger Super suite of reforms, Capital Gains Tax relief for super fund mergers ([see here](#)), MYEFO measures relating to unclaimed monies and 'lost' super ([see here](#)), and amendments to the Fair Work Act dealing with selection of default funds in Modern Awards ([see here](#)).

Additionally the fourth tranche of Stronger Super legislation was introduced on the last sitting day of Parliament and is expected to be debated as soon as Parliament returns in February 2013.

[READ MORE](#)

ISN further expands policy team

ISN is further expanding its policy and research team with the appointments of Matt Saunders to the position of Policy Analyst – Economics and Markets in its Melbourne office and Rebecca Riel to the role of Public Policy Analyst – Retirement Incomes in Sydney.

Matt brings to ISN more than twelve years' experience in economic research and consultancy, having worked as a senior economist with Deloitte Access Economics and as an analyst and consultant for a number of research firms. He has completed several projects on the economic impacts of clean energy and carbon reduction schemes as well as for the information technology and telecommunications sectors. Matt holds a Bachelor of Economics from the University of Newcastle with First Class Honours in Labour Economic and Econometrics.



Matt Saunders

Rebecca has a range of public policy and research experience, including as an economist with the NSW Office of Environment and Heritage, policy analyst with Federal Treasury and Queensland Treasury, and compliance case officer with the Australian Taxation Office. In 2011/12, she provided logistics and communications support for a South Pole expedition team. Rebecca holds a Bachelor of Economics (International Trade and Finance) and Bachelor of Arts (International Relations) from the University of Queensland.




Rebecca Riel

David Whiteley, Chief Executive, Industry Super Network, said that these two latest appointments would further bolster ISN's capacity to deliver high quality research and policy in key areas relevant to the industry superannuation fund sector, including economic analysis, financial markets, investment, financial advice and post-retirement.

"Industry Super Network will be working hard in 2013 to deliver the best possible outcomes for industry super fund members. This will include looking at ways in which we can continue to improve our compulsory superannuation system. We now have a strong research and policy team that will help us achieve this."

To view ISN staff click [here](#)

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Issue #5 25 February, 2011



NETWORK NEWS

FOFA gets to the business end

An announcement on the Federal Government's final view on several key areas of the Future of Financial Advice (FOFA) reform package is expected in the near future.

But debate on significant areas of reform especially 'opt-in' and volume based rebates has already escalated and parts of the financial advice industry are involved in an unprecedented lobbying campaign to water down 'opt-in' and other provisions.

Some reforms – such as the best interests' obligation – are relatively uncontroversial. Although ongoing debate around the final details is expected, there is now general industry consensus on the value of these reforms.

This shift in opinion represents a major win for the industry super movement and is a critical step towards ensuring the financial advice provided to members is impartial.

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- [3 steps to joining an Industry SuperFund](#)
- [Tribute to industry super pioneer](#)
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Research supports FOFA reforms

New consumer research undertaken by Newspoll has found strong support for the concepts underpinning key FOFA reforms.

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Representing industry super at the FOFA consultations

A second round of public consultations by Treasury on the FOFA legislation will commence shortly and industry super funds are encouraged to maintain the pressure for introduction of the reform package by attending the upcoming information sessions.

[READ MORE](#)

Stronger Super consultative group announced

Detailed work involved in implementing the Stronger Super package of reforms flowing from the Cooper Review into superannuation is about to start, with membership of the key consultative panel announced.

[READ MORE](#)

AustralianSuper goes from strength to strength

Announcement of the proposed merger between Westscheme and AustralianSuper highlights the significant role Industry SuperFunds are playing in the finance industry. The \$40 billion combined fund will have 1.7 million members and 150,000 employers, with one in four WA workers being members of the fund.

[READ MORE](#)

3 steps to joining an Industry SuperFund

Joining an Industry SuperFund just got a whole lot easier with a new video outlining the three simple steps members need to take when it comes to selecting a fund and moving their super.

[READ MORE](#)

Tribute to industry super pioneer

One of the architects of Australia's industry superannuation funds and the system that supports them is finally slowing down a little and leaving the industry that she has devoted much of her life to. Mavis Robertson AM retired at the end of January and plans to enjoy her own retirement after so many years dedication to ensuring Australian workers enjoy theirs.

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Issue #16 29/02/2012



NETWORK NEWS

New APRA data shows industry super fund outperformance

Official new data released today by federal regulator APRA shows that the not-for-profit super sector has once again outperformed the retail super sector over an eight year period. The new data shows that not for profit funds averaged returns of 6.2% per annum over the last eight years, compared to average returns in the retail sector of 4.6% per annum, a difference of 1.6% per annum.

Average returns weighted by assets give an even more disparate picture, with industry super funds returning 6.8% per annum over eight years and retail funds returning 4.6% per annum over the same period.

David Whiteley, Chief Executive, Industry Super Network, said: "This new data shows that the not for profit sector continues to deliver better returns on average for members than its retail counterpart. Not for profit funds have also outperformed the median rolling rate of return of 5.7% over the eight year period."

The new APRA data also showed:

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- [Productivity Commission inquiry into default fund selection](#)
- [IFM wins new international mandates](#)
- [HOSTPLUS Cook For Your Career competition hots up!](#)
- [HESTA Australian Nursing Awards](#)
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- Of the 163 superannuation funds with eight year performance numbers, including 57 retail funds, 49 of the top 50 funds were not for profit funds.

- By contrast, 49 of those 57 retail funds were in the bottom half of the APRA league table.

Financial advice reforms a win for consumers and industry

New reforms to the financial advice industry are set to double the number of Australians accessing financial advice and increase private national savings to \$130 billion.

[READ MORE.](#)



Productivity Commission inquiry into default fund selection

The Australian Government's Productivity Commission inquiry into default super funds in modern awards will provide an opportunity for both consultation and discussion for industry super funds.

[READ MORE.](#)



IFM wins new international mandates

Two significant commitments from retirement funds in the US and the UK show the strength of the IFM infrastructure fund.

[READ MORE.](#)



HOSTPLUS Cook For Your Career competition heats up!

The HOSTPLUS Cook for your Career competition is a big event on Australia's hospitality calendar, and this year will be no exception.

[READ MORE.](#)



HESTA Australian Nursing Awards

Every year, HESTA pays tribute to Australia's best and most dedicated nursing professionals through its Australian Nursing Awards. HESTA is proud to support this very important profession.

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Issue #15 24/01/2012



NETWORK NEWS

Message from the CEO

Happy New Year and welcome to 2012.

This year promises to be a significant year for the superannuation industry.

A range of reforms which will have a significant impact on Australia's superannuation system (Future of Financial Advice reforms, Stronger Super, Superannuation Guarantee rise to 12 per cent and Low Income Super Contribution) are now before Parliament. Carefully implemented, the proposed reforms will help advance retirement income, provide dignity for Australians in retirement, and continue to build a critical pool of capital to reinvest back into the economy.

There will be considerable change in how super is regulated, whether in the form of back-office changes or through the new standards required by APRA. The industry itself will no doubt continue to consolidate as trustees decide whether it is best for

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- [Prime Minister launches LUCRF Community Partnership Trust in New South Wales](#)

their members to remain part of a smaller fund or merge with another.

ISN will continue to work closely with industry super funds and sponsoring organisations to ensure the super system acts in the best interests of members. This will include advancing a number of key projects during the year. Our focus in particular will be on working with funds to implement the coming reforms, banking regulation, the post-retirement income phase, and the next phase of the Industry SuperFunds Joint Marketing Campaign.

I look forward to working with you all in 2012 and wish everyone a productive year.

Yours sincerely

David Whiteley, Chief Executive
Industry Super Network

- [Rice Warner predicts super industry to grow to \\$3.3 trillion by 2026](#)
- [Contacts](#)

The Future of Financial Advice reforms rest on the best interests obligation

Robbie Campo, Manager – Strategy, ISN, asks whether it is really possible for any financial institution to argue against the introduction of a best interests test for financial advisers.

[READ MORE.](#)



AustralianSuper and AGEST announce intention to merge

Following its successful merger with Westscheme in 2011, AustralianSuper is set to expand even further by joining forces with AGEST in 2012.

[READ MORE.](#)



ME Bank launches Household Financial Health Dynamics Report

ME Bank is putting its finger on the national economic pulse with a new index that measures the financial health of Australian households.

[READ MORE.](#)



Prime Minister launches LUCRF Community Partnership Trust in New South Wales

The LUCRF Community Partnership Trust is helping support disadvantaged Australians while putting employers in touch with their local communities.

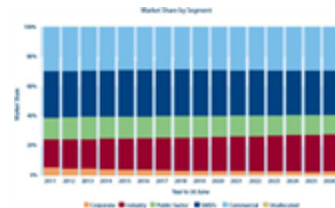
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Rice Warner predicts super industry to grow to \$3.3 trillion by 2026

New research by Rice Warner Actuaries outlines the key challenges for the superannuation industry over the next decade, including a shift to post-retirement assets.

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Issue #10 28 July 2011



NETWORK NEWS

Setting super up for the future

The current reform agenda for Australia's superannuation system represents a vital step towards the democratisation of financial advice and will enable ordinary workers to access information and assistance that was previously only available to wealthier Australians.

In a recent speech to the IQPC Mergers and Acquisitions Conference, ISN Chief Executive, David Whiteley, outlined the importance of the Future of Financial Advice (FOFA) and Stronger Super reforms in reshaping the super industry and the financial security of working Australians.

He believes the reform packages will enable greater participation and engagement by employees in saving for their retirement. They will also assist many ordinary Australians to build their financial knowledge and security.

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- [Industry fund pensions win Canstar Cannex award](#)
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Improving equity for concessional contributions

The new Low Income Earners Government Super Contribution (LIEGSC) represents an important opportunity to overcome the taxation inequities in the current superannuation contribution system. But it will require careful policy and administrative design to achieve the Government's reform aims.

[READ MORE](#)

Taking the long view on ESG

Corporate disasters such as the phone hacking scandal engulfing News Limited and the BP oil spill in the Gulf of Mexico highlight why long-term institutional investors need to take an active interest in the governance and risk management processes within the companies in which they invest.

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Unlisted assets key to investment performance

While infrastructure and other unlisted asset classes are hot button issues on the economic agenda, they have also played a significant role in the superior investment performance of many industry funds.

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Industry fund members more satisfied

New data from Roy Morgan Research shows members of industry super funds are more satisfied with the investment performance of their fund than members of the six largest retail super funds.

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Looking for future leaders

The search for the next generation of leaders in the industry super fund and not-for-profit super sector is on, with applications for the 2012 Super Grads Program now open.

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Industry fund pensions win Canstar Cannex award

The account-based pensions offered by several Industry SuperFunds have topped the latest ratings survey of value for money funds released by leading research firm Canstar Cannex.

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Issue #21 27/7/2012 



NETWORK NEWS

ISN releases 2012 research update on long term superannuation performance

ISN has released an update of its research report by Chief Economist, Dr Sacha Vidler, 'A comparison of long term superannuation investment performance'. The report shows that over the past 15 years (1996-2011), retail funds have underperformed not-for-profit funds by more than 2% per annum.

Further, at 3.84% per annum over 15 years, average retail fund returns are lower than a naïve benchmark investment strategy (equal weightings in cash, domestic equities and foreign equities) after tax and costs, and even fall short of annual term deposits over the same period. The three not-for-profit sectors outperform these benchmarks.

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- [AustralianSuper looks to Asia](#)
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- [Pacific Hydro celebrates 20 years of clean energy.](#)



New research links past super fund performance with future performance

New research by Deloitte Access Economics shows that past super fund performance is linked with future performance, turning conventional thinking on its head.

[READ MORE](#)



Industry super fund sector performs better in difficult times

New SuperRatings data shows that on average the industry super fund sector has outperformed the retail fund sector over the last ten years.

[READ MORE](#)



AustralianSuper looks to Asia

AustralianSuper has announced former governor of the Reserve Bank of Australia, Bernie Fraser, as the chairman of a newly established committee, which will advise the fund on future investments into the Asian region.

AustralianSuper

[READ MORE](#)



HESTA unveils solution challenging conventional post-retirement thinking

HESTA has introduced a new post-retirement investment strategy that automatically reduces a member's exposure to higher-risk assets over time.

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 Hesta Super Fund



Pacific Hydro celebrates 20 years of clean energy

Since its inception 20 years ago, Pacific Hydro has delivered more than 14 million MWh of clean energy to communities in the Asia Pacific and Latin America through its range of renewable energy power projects. Industry super funds are proud to be associated with such an important task.



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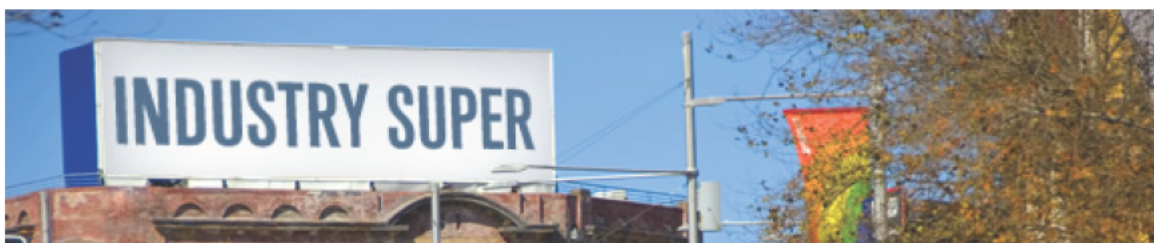
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Issue 9 29 June 2011



NETWORK NEWS

Where to rest my lever?

Economic analysis by ISN Chief Economist, Dr Sacha Vidler

Long ago Archimedes quipped that he could move the Earth if only he had somewhere to rest his lever. Post the Global Financial Crisis (GFC) we know that the lever that moves the Earth – financial leverage – rests in New York and London. We also know that the lever can break, leaving the Earth and everyone in it to fall.

Two years later, some economies have landed; some are still in freefall. But either way many commentators are ringing in a new era – marked by a process described as ‘deleveraging’.

In the boom before the GFC, credit was cheap and household consumption around much of the developed world was increasing faster than GDP. Increased consumption was financed in part by increased borrowing, with debt-to-income ratios reaching record levels (around 120% in Australia). Household saving rates plunged towards zero or below, at least in the Anglo-American countries.

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- [Industry funds outperform over the long-term](#)
- [Funds can't ignore climate change](#)
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Debunking the opt-in myths

The idea financial planning practices will be forced out of business by excessive costs and paperwork due to the opt-in proposal is just one of the myths being circulated as part of the debate over the Future of Financial Advice (FOFA) reforms.

[READ MORE](#)

Industry funds outperform over the long-term

Industry funds have outperformed both their retail super fund competitors and the key benchmark index over every time period during the past 10 years, according to new data from industry researchers, SuperRatings.

[READ MORE](#)

Funds can't ignore climate change

In light of the issues around climate change, there is a strong case for super funds to re appraise their asset allocation and stock selection processes to fulfil their fiduciary duties to members saving for their retirement. According to Industry Funds Management Chair, Garry Weaven, if industry funds wish to continue providing members with strong returns in the years ahead, they need to think carefully about the influence on their investments of both climate change and carbon-related policy shifts – both here and overseas.

[READ MORE](#)

Energy Super joins the fold

The Industry SuperFund movement has welcomed a fresh face to its ranks, with the newly merged Energy Super adding its voice to the ongoing campaign.

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Issue #20 29/6/2012 



NETWORK NEWS

Superannuation default funds must be selected on merit

Industry Super Network (ISN) today welcomed the release of the Productivity Commission's draft report into the selection of default superannuation funds in modern awards, but believes more work is needed to arrive at a process that will maximise the retirement savings of Australians.

Default funds serve a critical purpose in our superannuation system by being the custodians of the super contributions and retirement savings of those eight in ten Australians who don't actively choose their own fund.

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- [ME Bank urges consumers to give Big Four the flick](#)
- [IFM News](#)
- [Improving Australians' financial literacy](#)

Future of Financial Advice reforms pass Senate

Last week, the Future of Financial Advice reforms passed the Senate in Australian Parliament. The reforms signal a new era in the provision of financial advice in Australia.

[READ MORE.](#)



ME Bank urges consumers to give Big Four the flick

ME Bank CEO, Jamie McPhee, predicts that the introduction of new reforms by the Government in the banking sector will help lessen the big four stranglehold on customers.

[READ MORE.](#)



IFM News

IFM is a pioneer in infrastructure investing on behalf of institutional investors globally, with a 17 year track record in this asset class. This month, IFM has made two important announcements in this area.

[READ MORE.](#)



Improving Australians' financial literacy

The superannuation industry will be playing its part in Australia's first ever financial literacy awareness week (2-8 September 2012), when Australians will be urged to 'take the next step in their financial health'.

[READ MORE.](#)



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To: Gallagher, Phil
Subject: Network News March 2011

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Issue 6 24 March, 2011



NETWORK NEWS

Economic Outlook by ISN Chief Economist Dr Sacha Vidler

Bear traps for young players

Just one month ago a panel of economists, including myself, presented a unanimous and quite cheerful view of the local and global economy and financial markets. We pronounced dollar parity was the new norm and predicted that by year's end interest rates would be level and the ASX would hit 5500 with higher percentage gains likely overseas. Thoughtful audience members were seen to be texting "SELL - NOW!" to the outside world. The ASX is down 7% so far.

Like the others, I had an analyst's report in hand that showed forward price-earnings held reasonable value in Australia and very good value overseas. Like the others, I had read the Reserve Bank Governor's view that 'We are ahead of the game!' implying Australian monetary policy (last adjusted in November) was just about perfect.

And, like the others, I had seen the IMF's bullish view of global growth, with China and India continuing to grow strongly despite

IN THIS ISSUE

- [Why volume rebates matter](#)
- [Industry super's role in Stronger Super](#)
- [Michael O'Sullivan reflects on 10 years at ACSI](#)
- [MFSS rewards excellence in investment stewardship](#)
- [Contacts](#)

some inflationary pressure – dragging resource rich nations like ours along with them – combined with strengthening underlying growth (and plenty of spare capacity) in the major developed economies.

And none of that has changed. So what is going on?

[READ MORE](#)

Why volume rebates matter

Debate continues over the abolition of volume based payments in the \$400 billion platform market, with providers calling for a narrower ban. To understand the implications, it is necessary to take a closer look at the complex arrangements at the heart of this market.

[READ MORE](#)

Industry super's role in Stronger Super

The industry super movement is playing an important role in the delivery of the Stronger Super package, with representatives from the sector taking up roles on the various working groups providing advice on implementation of the reforms.

[READ MORE](#)

Michael O'Sullivan reflects on 10 years at ACSI

When it comes to corporate governance in Australia, one of the first names to spring to mind is Michael O'Sullivan, who is stepping down after 10 years as President of the Australian Council of Superannuation Investors (ACSI). A well-known figure in the super industry, Michael shares his thoughts on ACSI's achievements and what lies ahead for the organisation.

[READ MORE](#)

MFSS rewards excellence in investment stewardship

The high standards demonstrated by Industry SuperFunds have been recognised once again, with CareSuper taking out the Investment Stewardship Award – Superannuation at the recent Melbourne Financial Services Symposium (MFSS). Cbus was also among the finalists for this prestigious award.

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Issue #17 29/03/2012



NETWORK NEWS

A week of super milestones

The last few weeks have been a cause for celebration for the superannuation industry – and especially for industry super funds.

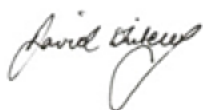
On 19 March, the Australian Parliament passed legislation to raise the Superannuation Guarantee from 9 to 12 per cent. This move will significantly improve the retirement savings of working Australians - an average 20-year-old hairdresser will see an estimated \$110,000 jump in retirement savings, while a 29-year-old clerical worker is likely to gain an extra \$78,000*. It will also lift the nation's overall superannuation savings to \$500 billion by 2035.^

[READ MORE.](#)

Yours sincerely

IN THIS ISSUE

- [Developing infrastructure investment models for super funds](#)
- [AIST 2012 Trustee of the Year – Wilhelm Harnisch](#)
- [Historic financial advice reforms a win for Australian consumers](#)
- [New super laws to improve retirement savings of working Australians](#)
- [Mother's Day Classic 2012](#)



- [Contacts](#)

David Whiteley, Chief Executive

Industry Super Network

Developing infrastructure investment models for super funds

Industry super funds have a strong interest in infrastructure investment. But more needs to be done to create infrastructure investment models that are attractive to super funds, says Garry Weaven, Chair, Industry Funds Management.

[READ MORE.](#)



AIST 2012 Trustee of the Year – Wilhelm Harnisch

Wilhelm Harnisch is an Employer Trustee Director of industry super fund, Cbus. Newly crowned as the AIST Trustee of the Year, he shares with us his experiences.

[READ MORE.](#)



Historic financial advice reforms a win for Australian consumers

The passing of the Future of Financial Advice Bill in the House of Representatives last week is set to significantly improve the retirement outcomes of industry super fund members.

[READ MORE.](#)



New super laws to improve retirement savings of working Australians

The raising of the Superannuation Guarantee to 12 per cent and the introduction of the low income super contribution legislation represent significant wins for industry super fund members.

[READ MORE.](#)



Mother's Day Classic 2012

The Women in Super Mother's Day Classic has attracted record attendances in recent years, raising thousands of dollars for breast cancer research. This year's event is hoping to be just as successful.

[READ MORE.](#)



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Issue 8 27 May, 2011 



NETWORK NEWS

Where to now with FOFA?

Although the Government has released its final position on the Future of Financial Advice (FOFA) reforms, the legislative drafting stage represents a fresh opportunity for vested interests in the industry to attempt to dilute the strength of these significant reform proposals.

Release of the Government's FOFA Information Pack on 28 April 2011 follows a year of detailed consultation on key aspects of the proposed reforms, but there are still many battles ahead, according to ISN Manager – Strategy, Robbie Campo.

The retail sector is engaged in intensive lobbying of the Independents and the Greens. By the end of this week at least one Independent had expressed concern about two year opt-in provisions. According to the Australian Financial Review (27 May) some other Independents had not yet decided on their view on opt-in.

[READ MORE](#)

IN THIS ISSUE

- [Governance moves forward](#)
- [Fixing the industry's plumbing](#)
- [No Federal Budget surprises for super](#)
- [New online adviser tool for HOSTPLUS](#)
- [MySuper – What's in a name?](#)
- [Record numbers for Mother's Day Classic](#)
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Governance moves forward

ISN has long argued that there is a need for improved governance arrangements in the superannuation industry. Superannuation will form the major part of retirement savings for most Australians and it is important that the community has confidence in the regulatory framework surrounding superannuation.

The Super System Review (the Cooper Review) recommended a number of improvements to governance arrangements within the superannuation industry and in December 2010 the Assistant Treasurer and Minister for Financial Services and Superannuation Bill Shorten released the Government's Stronger Super response. Whilst rejecting some recommendations, including those that would interfere with equal board representation, the Government accepted a number of recommendations of the Review and commenced a process of industry consultation.

ISN was represented on the Peak Stronger Super consultation group and its Governance industry consultation working group. The Governance working group has reported to the peak body and its views will now form the basis of the peak group's recommendations to Government.

[READ MORE](#)

Fixing the industry's plumbing

The SuperStream reforms are a once in a generation opportunity to improve the industry's administrative systems. But they also represent a major strategic and business challenge for super funds.

The SuperStream package of reforms being introduced as part of the Government's Stronger Super response to the Cooper Review should not be dismissed as a dull set of administrative and compliance changes, according to Superpartners Manager Strategy & Policy and member of the SuperStream Working Group, Hans van Daatselaar.

[READ MORE](#)

No Federal Budget surprises for super

The May Federal Budget contained provisions for previously announced measures on superannuation but no major surprises. The focus was instead on Budget consolidation and labour productivity. The Budget included a number of positive initiatives and reforms which will help streamline the tax system, consolidate the national balance sheet after the GFC and improve the skill base of the Australian workforce.

[READ MORE](#)

New online adviser tool for HOSTPLUS

To cater for the needs of a young, net-savvy membership working unusual hours, HOSTPLUS has launched a new online advice tool designed to allow its members in the hospitality, tourism and sport industries to get financial advice about their super account whenever they need it.

[READ MORE](#)

MySuper – What’s in a name?

Juliet:

‘What’s in a name? That which we call a rose
By any other name would smell as sweet.’

Romeo and Juliet (II, ii, 1-2)

There has been almost as much debate regarding the name MySuper as there has been regarding the merits of the new default fund arrangements. Since hearing the term, some fund marketing teams have no doubt been pulling their hair out trying to make a silk purse from a sow’s ear. Others like the term, coined by Jeremy Cooper’s review team.

[READ MORE](#)

Record numbers for Mother’s Day Classic

A record 120,000 Australians stepped out for breast cancer research in the annual Women in Super Mother’s Day Classic walk and run on Sunday 8 May. The highest number of participants in the event’s 14-year history attended 37 different events across the nation.

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Issue #19 30 May 2012



NETWORK NEWS

MySuper legislation before Parliament

The Stronger Super reform process continues at speed with several related tranches of the Stronger Super reform legislation before the Parliament. The third tranche of the Stronger Super legislation - the Superannuation Legislation Amendment (Further MySuper and Transparency Measures) Bill 2012 - will be introduced in the winter session of Parliament.

The third tranche of the legislation is important in that it incorporates some of the cornerstone reforms within the Stronger Super process. These include the banning of commissions and entry fees on MySuper products, and the setting of criteria for the charging of other fees, including intra fund advice.

[READ MORE](#)

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- [ISN calls for high benchmark in default fund selection](#)
- [Cbus announces increased levels of disclosure](#)
- [ME Bank mortgage customers win again](#)
- [Nursing excellence rewarded](#)
- [Record numbers for Mother's Day Classic](#)

- [Contacts](#)

ISN calls for high benchmark in default fund selection

Earlier this year, the Productivity Commission launched an inquiry into the selection of default funds in modern awards. ISN is calling for a scheme that puts strong, long-term net returns for members at the centre of the process.

[READ MORE](#)



Cbus announces increased levels of disclosure

Cbus is helping to set new industry standards by increasing its levels of disclosure in how the fund is managed and its investment holdings.

This month, Cbus Chair, The Honourable Steve Bracks AC, announced that the fund would continue to increase its level of disclosure in this year's Annual Report; ensuring members have access to the latest detailed information about their fund.

[READ MORE](#)



ME Bank mortgage customers win again

ME Bank has been awarded a Gold Medal for Best Bank Standard Variable Home Loan at the 2012 Your Mortgage magazine Mortgage of the Year Awards for the second consecutive year, highlighting the value it continues to provide its mortgage customers.

[READ MORE](#)



Nursing excellence rewarded

The winners of the 2012 HESTA Australian Nursing Awards have been announced at a gala dinner held in Melbourne to mark the event.

[READ MORE](#)



Record numbers for Mother's Day Classic

Australians have once again stepped out for breast cancer research, with a record 125,000 people participating in the annual Mother's Day Classic walk and run, the highest number of participants ever in the event's 15-year history.

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Issue #14 29/11/2011



NETWORK NEWS

Stepping up to the challenge of net performance

With many super funds underperforming in recent years, David Whiteley argues that there is only one true benchmark upon which the super industry should be compelled to compete: that of net returns.

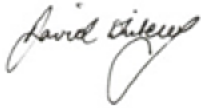
Australia's superannuation system is one of the crown jewels of Australia's economic landscape. Our super system will provide Australians with a better standard of living in retirement than they would have had on the Age Pension alone. More broadly, superannuation provides a critical pool of capital for the Australian economy and supports growth and jobs. This capital also helped to buffer our nation against the Global Financial Crisis.

[READ MORE.](#)

Yours sincerely

IN THIS ISSUE

- [New Industry SuperFunds campaign highlights benefits of super](#)
- [Intra-fund advice on the rise in industry super funds](#)
- [ISN applauds Superannuation Guarantee rise to 12%](#)
- [Australian Government introduces Low Income Earner Government Super Contribution](#)
- [AustralianSuper leads the way with new investment offering in](#)



David Whiteley, Chief Executive

Industry Super Network

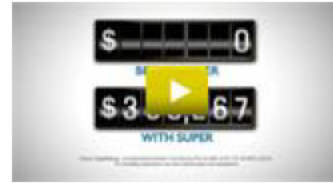
[term deposits](#)

- [AIST Awards for Excellence and Leader Development Scholarships](#)
- [Contacts](#)

New Industry SuperFunds campaign highlights benefits of super

In its latest advertising campaign, Industry SuperFunds tell us why super is still a good way to save for retirement.

The new campaign highlights the fact that superannuation savings will provide the average Australian with better living standards in retirement than they would have on the Age Pension alone.



[READ MORE.](#)

Intra-fund advice on the rise in industry super funds

A recent survey by ISN shows that intra-fund advice services offered by industry super funds are in higher demand than ever before.

Robbie Campo, Manager – Strategy, ISN, sheds some light on this important member service.



[READ MORE.](#)

ISN applauds Superannuation Guarantee rise to 12%

The Government's proposed increase of the Superannuation Guarantee to 12% is set to boost Australians' retirement savings by tens of thousands of dollars. The move is to be applauded, says David Whiteley.

12%

[READ MORE.](#)

Australian Government introduces Low Income Earner Government Super Contribution

More than 3.6 million Australians are set to benefit from the introduction of the low income earner Government Super Contribution. This is a significant win for many low income workers who until now, have not received any tax breaks on their super, says Matt Linden, ISN Chief Policy Adviser.

[READ MORE.](#)



AustralianSuper leads the way with new investment offering in term deposits

AustralianSuper is meeting member demand for more conservative investment products by offering term deposits in its Member Direct Option.



[READ MORE.](#)

AIST Awards for Excellence and Leader Development Scholarships

The AIST Awards for Excellence and Leader Development Scholarships recognise diversity in superfund communication strategies. Find out who the winners are for 2011.



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Issue # 24 8 November 2012



NETWORK NEWS

Government announces default super legislation

The Australian Government has announced its intended measures for the selection of default super funds in modern awards, adopting the majority of recommendations put forward by the Productivity Commission.

The Minister for Financial Services, Bill Shorten, announced the Government's response to the Productivity Commission's final report into its inquiry into the selection default super funds in modern awards on 30 October 2012. ISN has welcomed the announcement.

David Whiteley, Chief Executive, ISN said that the new measures will help ensure an open and transparent default fund system where default funds are selected on merit and Australians' retirement savings are largely protected.

IN THIS ISSUE

- [Funds management industry needs greater disclosure](#)
- [Market participants band together over high frequency trading](#)
- [High frequency trades undermine the system](#)

ISN particularly welcomed the explicit focus on the best interests of employees as the primary principal governing the arrangements for default super arrangements.

[READ MORE](#)

Funds management industry needs greater disclosure

New research by Rainmaker Information has outlined the need for greater transparency by funds managers who are receiving over \$6 billion each year in fees from super funds.

The study, commissioned by ISN, found that the superannuation industry draws an estimated \$20.1 billion in fee revenue per year. A total of 31% of this is paid to investment managers.

[READ MORE](#)



Market participants band together over high frequency trading

On 17 October 2012, Industry Super Network (ISN), Australian Council of Superannuation Investors (ACSI), Australian Council of Trade Unions (ACTU), Perpetual and T.Rowe Price issued a joint letter to ASIC outlining their common concerns relating to high frequency trading on Australian financial markets.

The group acknowledged ASIC's efforts to investigate market stability issues with the practice of high frequency trading, but also requested that ASIC focus on issues related to market fairness and practices associated with high frequency trading that may be in conflict with fundamental principles of trade.

[READ MORE](#)



High frequency trades undermine the system

The increasing emergence of high-frequency trading (HFT) in Australia's financial markets has the potential to seriously impact long-term investors such as superannuation savers and more research is needed to fully understand its implications, says ISN's Director of Regulatory Policy, Zachary May.

Since computers were first conceived of, people have worried about the day when they would start shaping human systems against human interests.

Unfortunately, in the world of financial markets, this day has already come.

On today's markets, high frequency trading machines are beginning to squeeze human traders out of the game. In the US, high-frequency trading is now responsible for 70 per cent of total trades.



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Issue #13 25/10/11



NETWORK NEWS

Will financial planners put up a "Not for Sale" sign?

Last month, a number of Australian pharmacists fought hard for the integrity of their profession by rejecting a deal that would compel them to recommend particular Blackmore's products. In this opinion piece, ISN Chief Executive, David Whiteley asks why the financial planning industry can't do the same.

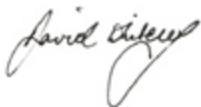
Last month, the Pharmacy Guild of Australia struck a deal with Blackmores that would allow Guild members' computer systems to prompt pharmacists to recommend Blackmores dietary supplements with specific prescription medications.

[READ MORE.](#)

Yours sincerely

IN THIS ISSUE

- [Howard Rosario - A man of his word](#)
- [Quantitative easing – an elegant solution or a future headache?](#)
- [Industry Funds Management launches 'Believe' campaign](#)
- [Sunsuper wins SuperRatings' Fund of the Year](#)
- [Contacts](#)



David Whiteley, Chief Executive

Industry Super Network

Howard Rosario - A man of his word

Howard Rosario has been at the helm of Western Australian industry super fund, Westscheme, for more than 22 years. Following the fund's recent merger with AustralianSuper, and upon the eve of his retirement, Howard reflects on his time with Westscheme and the broader industry.

[READ MORE.](#)

Quantitative easing – an elegant solution or a future headache?

As the winners of this year's Nobel Memorial Prize have shown, understanding cause and effect in the macro-economy is a rare and precious thing, requiring some pretty serious empirical research to get a handle on it. But that doesn't stop central banks from trying new monetary policies like quantitative easing and hoping that they will work, says ISN Economist, Darren Anderson.

[READ MORE.](#)

Industry Funds Management launches 'Believe' campaign

For the first time ever, Industry Funds Management has launched a television campaign to promote the success of its Australian Infrastructure Fund. Read about the campaign and watch the ad here.

[READ MORE.](#)

Sunsuper wins SuperRatings' Fund of the Year

The SuperRatings Awards are an important event on the superannuation industry calendar. This year, Sunsuper took out the top award, with a large number of industry super funds being named as finalists.

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Issue #12 26/09/2011 



NETWORK NEWS

Financial planning industry needs greater transparency

David Whiteley, Chief Executive, ISN, says it's high time the financial planning industry cleaned up its act and started putting consumers' interests ahead of its own.

Recently, the Australian Government announced the first tranche of its draft Future of Financial Advice reforms legislation. If the reforms pass through Parliament intact, they will ensure that millions of people in future don't pay for financial advice they don't receive. They will also help build aggregate national savings by billions of dollars, according to conservative estimates. At the same time, they will clean up the financial advice industry.

[READ MORE.](#)

A handwritten signature in black ink that reads 'David Whiteley'.

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- [New ISN research shows retail funds failing consumers](#)
- [ISN makes submission on Future of Financial Advice draft legislation](#)
- [Is higher inflation the answer?](#)
- [Fighting the good fight](#)
- [New study shows retail super fund members paying billions in commissions](#)
- [CareSuper and Asset Super announce intention to merge](#)

Industry Super Network

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New ISN research shows retail funds failing consumers

Australians collectively hold more than \$1.3 trillion in superannuation savings. However, new research by ISN shows that while not-for-profit funds are delivering returns above basic market rates, the for-profit sector is seriously underperforming. This needs to be addressed to restore confidence in the system, says ISN's Chief Economist, Sacha Vidler.

[READ MORE.](#)

ISN makes submission on Future of Financial Advice draft legislation

Earlier this month, the Federal Government announced the first tranche of its Future of Financial Advice (FoFA) draft legislation. In response, ISN has called for a set of stringent legal requirements to be applied to the financial planning industry.

[READ MORE.](#)

Is higher inflation the answer?

ISN Economist, Darren Anderson, floats the idea that higher inflation may be embraced to solve the world's economic ills.

[READ MORE.](#)

Fighting the good fight

Zachary May was appointed to ISN as Director of Regulatory Policy in August of this year. In this interview, he talks about his experience in the GFC and why he believes financial regulation should line up on the side of the public good.

[READ MORE.](#)

New study shows retail super fund members paying billions in commissions

Rainmaker Research released in September finds that retail super fund members paid almost \$3 billion in commissions in 2010 and more than \$1.9 billion in commissions on compulsory super contributions alone over a three year period.

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CareSuper and Asset Super announce intention to merge

CareSuper and Asset Super are the latest funds in the superannuation industry to seek to drive economies of scale through a merger.

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Issue #23 27 September 2012 

 Industry Super Fund

NETWORK NEWS

Welcome

Welcome to the September edition of Network News. September has been a busy month throughout the Network.

The issue of governance has been firmly on the agenda and ISN took part in this debate by commenting on the [FSC governance guidelines](#) and also by releasing an [opinion editorial](#) on the issue by Chief Executive, David Whiteley, following its publication in the *Sydney Morning Herald* and *The Age*. In addition, Cbus raised the

IN THIS ISSUE

- [Industry funds foster benefits for members](#)
- [ISN calls for moratorium on high frequency trading](#)

bar in terms of transparency and disclosure by increasing the level of information it provides about fund operations in its [Annual Report](#).

ISN has also been successful in raising the issue of [high frequency trading](#) as part of its research into financial markets, following its submission to ASIC on the subject. As part of its submission, ISN is calling for a moratorium on high frequency trading so that further study can be undertaken on its potential impacts. This has been reported widely in the media.

ISN is pleased to announce the appointment of two [new staff](#) this month, Anh Nguyen and Mohita Zaheed, both of whom add specialist expertise to the policy and research team.

Thank you for your continued support.

- [ISN expands its research and policy team](#)
- [Cbus increases level of transparency and disclosure](#)
- [Pacific Hydro opens retail business](#)

Industry funds foster benefits for members

David Whiteley, Chief Executive, ISN says that increased transparency and disclosure for super funds is necessary. But the question is whether the retail funds will be able to rise to the occasion.

Compulsory superannuation is one of Australia's most significant postwar economic achievements, and the creation of industry super funds is central to this achievement, with employers and unions uniting to oversee retirement funds with a shared commitment to return all benefits to members.

[READ MORE](#)



ISN calls for moratorium on high frequency trading

With high frequency trading gathering pace on Australian markets, ISN is calling for a moratorium on the practice to enable detailed study of its impacts on long term investors.

ISN called for a moratorium on high frequency trading (HFT) in Australian financial markets as part of its submission to ASIC on the subject.

According to Zachary May, Director of Regulatory Policy, ISN, high frequency trading is on the rise in Australia, and in other jurisdictions has already been found to exacerbate market crashes and undermine investor confidence in the fairness of markets.

[READ MORE](#)



ISN expands its research and policy team

Developing research and policy is an important part of ISN's work. To expand our capacity in this area, we are pleased to announce two new appointments to the research and policy team.



Anh Nguyen has commenced in the role of Policy Analyst – Financial Markets, based in Melbourne, and Mohita Zaheed joins the team as Economist in the Sydney office.

[READ MORE](#)

Cbus increases level of transparency and disclosure

This month, Cbus released its 2011/12 Annual Report with bolstered information about the fund's operations and activities, reflecting a strong commitment to open and transparent governance.

 Cbus logo

The Cbus Annual Report communicates the activities of the fund over the past 12 months and includes additional information for members about the fund.

[READ MORE](#)

Pacific Hydro opens retail business

Pacific Hydro is aiming to attract new business customers by opening up a new retail arm in clean energy.



Pacific Hydro launched its first retail operations at the 2012 Government Sustainability Conference in Melbourne, targeting business customers who are committed to powering a cleaner world.

[READ MORE](#)

This email was sent by Industry Super Network (ISN)
 Casselden Place, Level 30, 2 Lonsdale Street Melbourne Victoria 3000
 ISN Pty Ltd ABN 72 158 563 270 Corporate Authorised Representative No.
 426006 of Industry Fund Services Ltd ABN 54 007 016 195 AFSL 232514

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From: s47F [redacted]@industrysUPER.com>
Sent: Wednesday, 29 February 2012 5:20 PM
To: s47F [redacted]
Subject: New APRA data shows industry super fund outperformance
Attachments: New APRA data shows industry super fund outperformance.doc

<<New APRA data shows industry super fund outperformance.doc>>

s47F [redacted]

Public Affairs and Media Manager

Industry Super Network

Phone: s47F [redacted] Fax: +61 3 9657 4322, Mobile: s47F [redacted]
Level 31, Casselden Place, 2 Lonsdale Street, Melbourne, VIC 3000
www.industrysupernetWORK.com

Industry SuperFunds website: www.industrysuper.com



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MEDIA RELEASE

29.02.12



New APRA data shows industry super fund outperformance

Official new data released today by federal regulator APRA shows that the not-for-profit super sector has once again outperformed the retail super sector over an eight year period. The new data shows that not-for-profit funds averaged returns of 6.2% per annum over the last eight years, compared to average returns in the retail sector of 4.6% per annum, a difference of 1.6% per annum.

Average returns weighted by assets give an even more disparate picture, with industry super funds returning 6.8% per annum over eight years and retail funds returning 4.6% per annum over the same period.

David Whiteley, Chief Executive, Industry Super Network, said: "This new data shows that the not for profit sector continues to deliver better returns on average for members than its retail counterpart. Not for profit funds have also outperformed the median rolling rate of return of 5.7% over the eight year period."

The new APRA data also showed:

- * Of the 163 superannuation funds with eight year performance numbers, including 57 retail funds, 49 of the top 50 funds were not for profit funds.
- * By contrast, 49 of those 57 retail funds were in the bottom half of the APRA league table.

Contact David Whiteley – 0417 131 751

The opinions above are those of the author in their capacity as spokesperson for Industry Super Network. The Network, authors and all other persons involved in the preparation of this information are thereby not giving legal, financial or professional advice for individual persons or organisations. Consider your own objectives, financial situation and needs before making a decision about superannuation because they are not taken into account in this information. You should consider the Product Disclosure Statement available from individual funds before making an investment decision.

From: s47F [redacted]@industrysuper.com>
Sent: Monday, 8 July 2013 1:33 PM
To: Gallagher, Phil
Subject: RE: UNSW Super Colloquium [SEC=UNCLASSIFIED]

Phil

I've only returned to superannuation recently. Since I left Treasury, s47F [redacted]

Started at ISN late last year and am working with s47F [redacted] s 47F [redacted] and am now looking at the SMSF sector. You probably remember Matt Linden? He works here too (which you also probably know!).

Shame you're not coming to the Colloquium.

s4 [redacted]

From: Gallagher, Phil [<mailto:Phil.Gallagher@TREASURY.GOV.AU>]
Sent: Monday, 8 July 2013 12:23 PM
To: s47F [redacted]
Subject: RE: UNSW Super Colloquium [SEC=UNCLASSIFIED]

s4 [redacted]

Nice to know that you're still working in super.

Unfortunately, I will not be going to this year's Colloquium.

s47F [redacted] will attend, along with s47F [redacted]. s47F [redacted] has co-authored the paper with s47F [redacted].

What are you working on at the Industry Super Network?

Phil Gallagher

From: s47F [redacted]@industrysuper.com]
Sent: Monday, 8 July 2013 11:35 AM
To: Gallagher, Phil
Subject: UNSW Super Colloquium

Hi Phil

I know this email is out of the blue – hope you are well!! Not sure if you'll remember me or not.....

If you do, I am going to the Superannuation Colloquium at UNSW on Wednesday and I noticed that s22 is speaking on Tuesday so thought that you might be coming too. Are you going?

s4
7F

s47F

Policy Analyst – Retirement Income
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Email: s47@industriysuper.com Phone: s47F
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From: [Linden, Matthew](#)
To: [Gallagher, Phil](#)
Cc: s22
Subject: RE: Post retirement research and with-profit annuities [SEC=UNCLASSIFIED]
Date: Wednesday, 24 August 2011 9:32:40 AM

That excellent, thanks Phil. 2pm would certainly work well. See you then.

Regards
Matt

Matthew Linden
Chief Policy Adviser

Phone: +s47F, Fax: +61 2 6273 2738, Mobile: s47F
Level 3, 39 Brisbane Avenue, Barton, ACT, 2600
www.industrysupernet.com



Industry SuperFunds website: www.industrysuper.com

A division of Industry Fund Services Pty Ltd ABN 54 007 016 195 AFSL 232514

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-----Original Message-----

From: Gallagher, Phil [mailto:Phil.Gallagher@TREASURY.GOV.AU]
Sent: Wednesday, 24 August 2011 9:02 AM
To:
Cc: s22
Subj: rch and with-profit annuities
[SEC=UNCLASSIFIED]

Matt

We always enjoy reviewing the ISN research and discussions with ISN staff.

s22 and I are currently available between 2pm and

So please let me know what time s47F can drop by.

Kind regards

Phil Gallagher

-----Original Message-----

From: Linden, Matthew [mailto:mlinden@industrysuper.com]
Sent: Tuesday, 23 August 2011 5:20 PM
To: Gallagher, Phil
Subject: Post retirement research and with-profit annuities

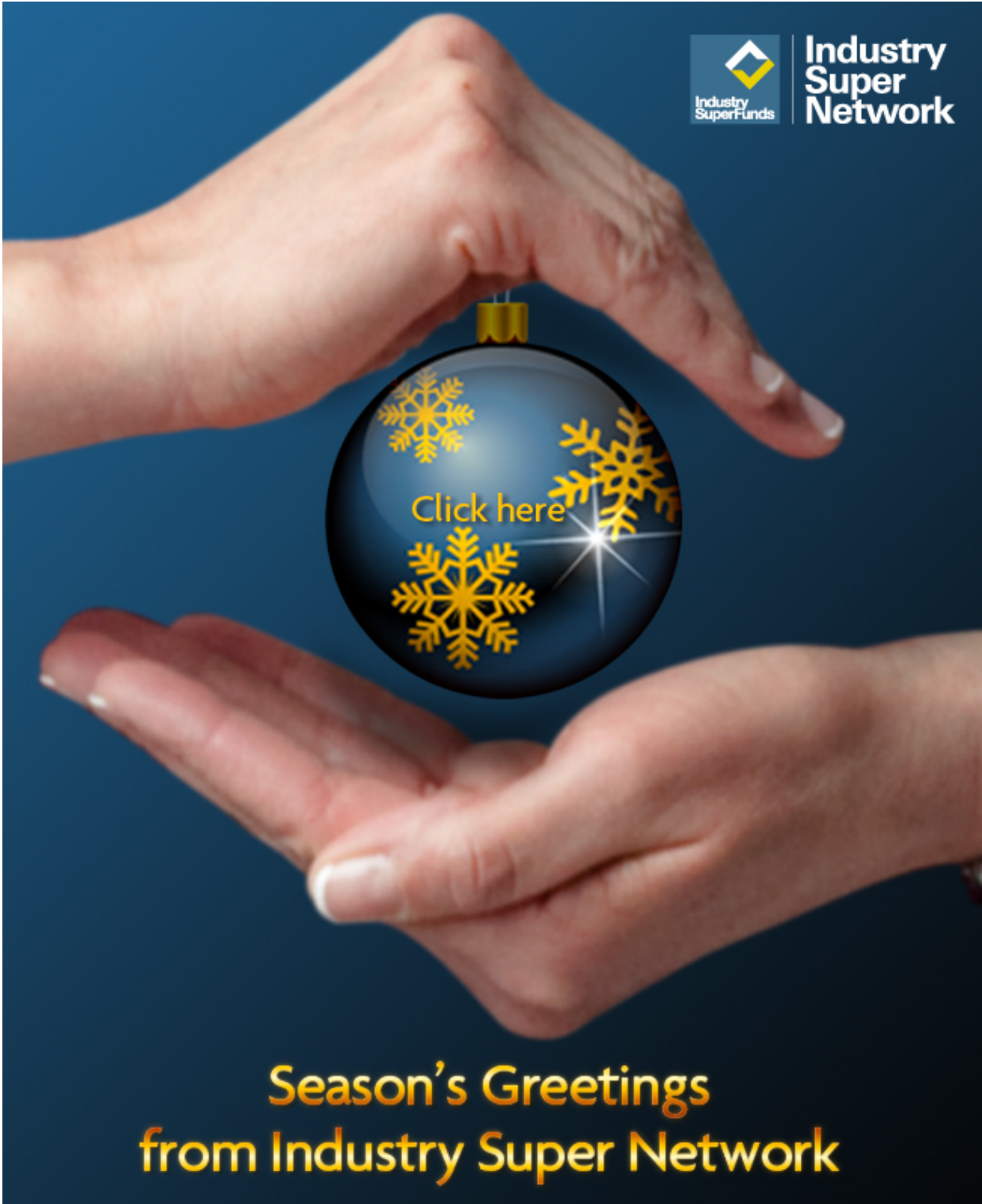
Hi Phil, hope you are well. s47F is in Canberra tomorrow (tuesday) for some meetings and was kept up with RIM if at all possible. He has been undertaking some work using fund data to examine trends in accumulations shortly before retirement and use thereafter. He was also keen to discuss with-profit annuities which are in use in south africa and also in the dutch system. Apologies for the short notice but would you or anyone from your team have a spare half hour or so tomorrow?

Kind regards, Matt

From: Industry Super Network <admin@industriysuper.com>
Sent: Thursday, 8 December 2011 1:21 PM
To: Gallagher, Phil
Subject: Season's Greetings from ISN

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From: Industry Super Network <admin@industriysuper.com>
Sent: Friday, 28 January 2011 9:31 AM
To: Gallagher, Phil
Subject: 'Translating policy into action' - Network News Jan 2011

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Issue 4 28 January 2011



NETWORK NEWS

Translating policy into action 2011

2011 will be a significant year for the super industry, with a number of major reforms either being implemented or moving through the legislative process.

ISN will be busy working with other parts of the industry super movement to achieve the best possible result for Australian workers.

The past year has seen a series of reviews by Government and the release of several proposals affecting key policy areas. ISN's task in 2011 will be to ensure these proposals are translated into effective legislation which delivers superannuation and financial advice systems in the best interests of fund members.

There is an increasing consensus on the need for change within the financial services industry to support such principles. The Gillard Government's current policy proposals are designed to support such goals.

However, there remains a strong sense of self-interest driving some parts of the industry, which have a vested interest in watering

IN THIS ISSUE

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down some of the reform proposals.

The uncertain political environment flowing from the makeup of the current Parliament will add to the complexity of this task. This means the super industry will need to work collaboratively to help ensure the final legislation delivers the best possible outcome for super members.

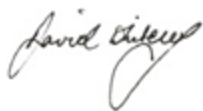
A key challenge will be the reforms around financial advice, with “the devil in the detail”, as subtle mechanisms can have a profound impact on consumers when it comes to financial services products. ISN believes that rules requiring financial planners to act in their clients’ best interests and for consumers to ‘opt-in’ to pay for financial advice on an annual basis are very important. We will be working very hard to ensure these reforms are reflected in the final legislation.

Another important area of activity in 2011 will be the proposed rise in the Superannuation Guarantee Charge (SGC) to 12%. While there is now largely an industry consensus on the importance of an increase to the SGC, it faces an uncertain passage through Parliament given its linkages to other Government tax reform measures. There is an important role for ISN and others to continue advocating the need for the increase in the Superannuation Guarantee to ensure Australians can not only attain a dignified retirement, but also boost our national savings pool.

We have spent the past three years making this case and over this period we have seen the views of regulators, opinion leaders and Government shift towards supporting this important reform. We now face the task of translating this consensus into effective legislation.

Click here to read more about the importance of lifting the SGC rate: <http://industriysupernetwork.com/new-research-shows-why-superannuation-must-be-lifted-to-12>

Yours sincerely



Chief Executive

Industry Super Network

Ensuring equity and adequacy

While addressing the adequacy of Australia’s retirement income system will help improve retirement incomes, equity within the system also needs to be reviewed. Three key reforms could increase the retirement accumulations of low and middle income earners by up to 77%.

[READ MORE](#)

Where to now with Cooper?

Following the Government's detailed response to the Cooper Report in December 2010, the first initiatives from the report will be implemented in 2011. The initial task for funds and the super industry will be working through the implementation detail of the SuperStream Tax File Number (TFN) initiative.

[READ MORE](#)

Avoiding regulatory duplication in new tax advice regime

Industry SuperFunds are increasingly providing their members with cost-effective limited financial advice, so any new regulatory regime covering this type of advice must not impose unnecessary duplication or costs.

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Employer Default Fund Finder tool launched

A new Default Fund Finder tool has been launched to assist employers to find the Industry SuperFunds listed in their industry's Modern Award.

[READ MORE](#)

Industry SuperFunds' excellence recognised

The high standard of professional excellence demonstrated by Industry SuperFunds has once again been on show in this year's AIST Awards for Excellence.

[READ MORE](#)

Contacts

Media enquiries: [Ted McDonnell](#) and [Phil Davey](#).

Policy & Government Relations enquiries: [Sacha Vidler](#) (Sydney) and [Matt Linden](#) (Canberra)

General Inquiries: [Lygia Barnett](#)

This email was sent by Industry Super Network (ISN)
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ISN is a division of Industry Funds Services (IFS)
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s22

From: s47F [redacted]@industriysuper.com>
Sent: Tuesday, 27 August 2013 11:28 AM
To: s22 [redacted]
Cc: Linden, Matthew; Gallagher, Phil
Subject: RE: Citation [SEC=UNCLASSIFIED]

Thanks s22 [redacted].

-----Original Message-----

From: s22 [redacted]@TREASURY.GOV.AU]
Sent: Tuesday, 27 August 2013 11:17 AM
To: s47F [redacted]
Cc: Linden, Matthew; Gallagher, Phil
Subject: RE: Citation [SEC=UNCLASSIFIED]

Hi s47F [redacted],

Yes, the paper is in the public domain, although not yet widely distributed. After the caretaker period I expect we will put it up on the Treasury web site.

However I ask that any reference, in line with the paper's cover sheet, acknowledge that 'The views expressed in this paper are those of the authors and do not necessarily reflect those of the RIM Unit, any Australian Government Department or the Government'.

Given that we are in caretaker, my preference is that you use the analysis in the paper, noting its source, and, in effect, draw your own conclusions based on that analysis.

Regards,
s22 [redacted]

-----Original Message-----

From: s47F [redacted]@industriysuper.com]
Sent: Monday, 26 August 2013 2:48 PM
To: s22 [redacted]
Cc: Linden, Matthew
Subject: Citation

Hi s22 [redacted],
s47F [redacted] from ISN here.

Just wondering if we can cite your paper to the UNSW colloquium.
We are responding to the CPA paper of last week.

s47F [redacted]

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s22

From: s47F [REDACTED]@industrysuper.com>
Sent: Thursday, 18 July 2013 6:55 PM
To: s22 [REDACTED]
Cc: Gallagher, Phil; s22 [REDACTED]; Linden, Matthew
Subject: Re: Take up of Income streams [SEC=UNCLASSIFIED]

Thanks for the update s22 [REDACTED]

It has been troubling me but your calming clarification has come at the right time - s 47F [REDACTED]

s 47F [REDACTED]

s47F [REDACTED]

On 18/07/2013, at 5:56 PM, "s22 [REDACTED]"

s22 [REDACTED]@TREASURY.GOV.AU<mailto:s22 [REDACTED]@TREASURY.GOV.AU>> wrote:

Hi s47F [REDACTED]

I hope you enjoyed attending the 21st Colloquium as I did. I thought it was well run and well attended, as usual, and it was good to catch up with the 'old' crowd and meet some new fellow researchers.

You queried some analysis in my joint paper with s22 [REDACTED] along the lines that we had too many taking income streams (53% of retirees with super benefits from SEARS), whereas we also had pensioners with only 15% overall take up; as age pensioners made up around 80% of the eligible age group, the numbers didn't seem to be compatible. I responded with a number of possible partial reasons. As I recall I said I believed both statistics were right but wasn't in a position to give a detailed reconciliation on the spot.

I have now reviewed the data and the calculations. The proportions in the paper are right and appropriate for purpose but I agree that they are not easy to interpret.

The key aspect of the reconciliation is that the denominators of the 53% and the 15% are very different.

The emphasis of the SEARS analysis is on choice, so the denominator correctly is retirees with superannuation who have taken a superannuation benefit; if you haven't taken a benefit you haven't made a choice. It turns out on checking that there is a substantial group who have had superannuation coverage but haven't yet taken either a lump sum or an income stream or both. So in 2006-07 using the two ABS surveys referenced, I find there were 3.1 million retirees, of whom 1.6 million had had super, but only 1.34 million had taken a benefit; SEARS estimates that there were 710,000 who had received or were receiving an income stream, hence 53%.

Moving this along to 2010-11, ABS estimates that there were only slightly more retirees overall, but many more with superannuation; based on the 2006-07 ratios this suggests a total of 850,000 to 900,000 as having received or receiving an income stream at that time. From our pensioner file (includes some non age pensioners) we have around 370,000 pensioners aged over 60 receiving income streams. Allowing for some pensioners to have received an income stream but no longer having one (say, 30,000), we need around 450,000 to 500,000 non pensioners out of a residual 800,000 or so retirees to have or have had an income stream, a level of around 60%, which is not unreasonable given the strong trend to increasing use of income streams with increasing assets. Note that if the pensioner proportion were able to be calculated using a base of those with a super benefit, the pensioner percentage would probably rise to well over 30%.

Hope you haven't lost any sleep over this puzzle and looking forward to further contact as issues arise,

Regards,

s22 [REDACTED]

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