

**SULIT**



**BAHAGIAN PEPERIKSAAN DAN PENILAIAN  
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI  
KEMENTERIAN PENGAJIAN TINGGI**

**JABATAN PERDAGANGAN**

**PENILAIAN ALTERNATIF**

**SESI 1 : 2021/2022**

**DPB50113 : BUSINESS FINANCE**

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**NAMA PENYELARAS KURSUS : AZLIDA BINTI ABDULLAH**

**KAEDAH PENILAIAN : PEPERIKSAAN ONLINE**

**JENIS PENILAIAN : SOALAN STRUKTUR (4 SOALAN)**

**TARIKH PENILAIAN : 11 FEBRUARI 2022**

**TEMPOH PENILAIAN : 2 JAM**

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**LARANGAN TERHADAP PLAGIARISM (AKTA 174)**

**PELAJAR TIDAK BOLEH MEMPLAGIAT APA-APA IDEA, PENULISAN, DATA  
ATAU CIPTAAN ORANG LAIN. PLAGIAT ADALAH SALAH SATU  
PENYELEWENGAN AKADEMIK. SEKIRANYA PELAJAR DIBUKTIKAN  
MELAKUKAN PLAGIARISM, PENILAIAN BAGI KURSUS BERKENAAN AKAN  
DIMANSUHKAN DAN DIBERI GRED F DENGAN NILAI MATA 0.**

**(RUJUK BUKU ARAHAN-ARAHAN PEPERIKSAAN DAN KAEDAH PENILAIAN (Diploma) EDISI 6, JUN 2019,  
KLAUSA 17.3)**

**SECTION A : 100 MARKS**  
**BAHAGIAN A : 100 MARKAH**

**INSTRUCTION:**

This section consists of **FOUR (4)** structured essay questions. Answer **ALL** questions.

**ARAHAN:**

*Bahagian ini mengandungi EMPAT (4) soalan esei berstruktur. Jawab SEMUA soalan.*

**QUESTION 1**

**SOALAN 1**

CLO1  
C1

- (a) The job of Financial Manager is to integrate the functional activities of an organization to help achieve the organization's objectives. State **TWO (2)** roles of a Financial Manager in a large company.

*Tugas Pengurus Kewangan adalah memastikan fungsi aktiviti diselaraskan bagi mencapai objektif organisasi yang ditetapkan. Nyatakan DUA (2) peranan Pengurus Kewangan di dalam sesebuah syarikat yang besar.*

[4 marks]  
[4 markah]

CLO1  
C2

- (b) Mami & Co are considering investments in different economic situations for the future. The information of the situations are as below.

*Mami & Co sedang mempertimbangkan pelaburan dalam keadaan ekonomi yang berbeza di masa hadapan. Maklumat mengenai situasi ini adalah seperti berikut.*

Economic Situations <i>Keadaan Ekonomi</i>	Probabilities <i>Kebarangkalian</i>	Returns (RM) <i>Pulangan (RM)</i>	
		Project A <i>Projek A</i>	Project B <i>Projek B</i>
Growth <i>Berkembang</i>	0.5	6,500	6,600
Boom <i>Melambung</i>	0.2	6,000	5,200
Depression <i>Meleset</i>	0.3	5,000	5,500

CLO1  
C2

- i. Based on the information above, interpret the following items for each project based on your calculation.

*Berdasarkan maklumat di atas, tafsirkan dengan pengiraan bagi setiap item berikut bagi setiap projek.*

1. Expected rate of return

*Kadar pulangan dijangka*

[2 marks]  
[2 markah]

2. Standard deviation

*Sisihan piawai.*

[3 marks]  
[3 markah]

3. Choose the best investment and explain your reason.

*Pilih pelaburan yang terbaik dan terangkan alasan.*

[4 marks]  
[4 markah]

CLO1  
C2

- ii. Different people react to risk in different ways. Explain a risk averse-investor's attitude towards risk.

*Tindakan setiap orang adalah berbeza terhadap risiko. Terangkan tingkahlaku pelabur pengelak risiko terhadap risiko.*

[3 marks]  
[3 markah]

CLO1  
C3

- (c) Below is last year's analytical income statement for Adek Manis Shoppe.  
*Di bawah merupakan penyata pendapatan analitikal bagi Adek Manis Shoppe.*

	RM
Sales / <i>Jualan</i>	84,000
Variable Cost / <i>Kos Berubah</i>	50,400
Contribution Margin / <i>Margin Sumbangan</i>	33,600
Fixed Cost / <i>Kos Tetap</i>	20,000
EBIT / <i>Perolehan Sebelum Faedah dan Cukai</i>	13,600
Interest Expense / <i>Belanja Faedah</i>	3,000
EBT / <i>Perolehan Sebelum Cukai</i>	10,600
Taxes / <i>Cukai</i>	4,240
Net Income / <i>Pendapatan Bersih</i>	6,360

Based on the information given, you are required to calculate

*Berdasarkan maklumat yang diberikan, anda dikehendaki untuk mengira*

- i. The degree of operating leverage

*Darjah leveraj operasi*

[3 marks]  
[3 markah]

- ii. The degree of financial leverage

*Darjah leveraj kewangan*

[3 marks]  
[3 markah]

- iii. The degree of combined leverage

*Darjah leveraj gabungan*

[3 marks]  
[3 markah]

**QUESTION 2**  
**SOALAN 2**

CLO1  
C2

- (a) Explain **THREE (3)** differences between bond and common share.  
*Terangkan **TIGA (3)** perbezaan antara bon dan saham biasa.*

[6 marks]  
[6 markah]

CLO1  
C3

- (b) MMC Holdings is considering two mutually exclusive pieces of machinery that perform the same task. The two alternatives provide the following after-tax net cash flow:

*MMC Holdings sedang mempertimbangkan dua buah jentera yang saling eksklusif yang melaksanakan tugas yang sama. Terdapat dua pilihan yang memberikan alir tunai bersih berikut:*

<b>Year</b> <i>Tahun</i>	<b>Machine A</b> <i>Mesin A</i>	<b>Machine B</b> <i>Mesin B</i>
	<b>(RM)</b>	<b>(RM)</b>
0	(34,000)	(34,000)
1	8,000	11,000
2	12,000	11,000
3	14,000	11,000
4	11,000	11,000

Cost of capital for both machines is 10%.

*Kos modal bagi kedua mesin ialah 10%.*

- i. You are required to calculate:

*Anda dikehendaki mengira:*

1. Net present value (NPV)

*Nilai kini bersih*

[3 marks]  
[3 markah]

2. Internal rate of return (IRR)

*Kadar pulangan dalaman*

[6 marks]  
[6 markah]

ii. Ascertain which investment should be chosen. Write **TWO (2)** reasons.

*Kenalpasti pelaburan mana yang perlu dipilih. Tulis (DUA 2) alasan.*

[6 marks]  
[6 markah]

CLO1  
C2

(c) Discuss the **TWO (2)** advantages of payback period method.

*Bincangkan DUA (2) kebaikan kaedah kaedah bayar balik.*

[4 marks]  
[4 markah]

### QUESTION 3

#### SOALAN 3

CLO2  
C1

(a) List **FOUR (4)** types of financial statements.

*Senaraikan EMPAT (4) jenis penyata kewangan.*

[4 marks]  
[4 markah]

CLO2  
C2

(b) i. Explain **TWO (2)** uses of financial ratio.

*Terangkan DUA (2) kegunaan nisbah kewangan.*

[4 marks]  
[4 markah]

CLO2  
C2

- ii. Categorize the following ratios for the company and industry, whether **FAVOURABLE (F)** or **UNFAVOURABLE (UF)**.

*Kategorikan nisbah syarikat dan industri berikut sama ada MEMUASKAN atau TIDAK MEMUASKAN.*

<b>Types of ratio</b> <i>Jenis Nisbah</i>	<b>Company's ratio</b> <i>Nisbah syarikat</i>	<b>Industry average</b> <i>Purata industri</i>
Quick ratio <i>Nisbah cepat</i>	0.8x	1.5x
Total assets turnover <i>Pusing ganti jumlah asset</i>	1.4x	1.3x
Inventory turnover <i>Pusing ganti inventori</i>	90.4%	84.5%
Debt equity ratio <i>Nisbah hutang ekuiti</i>	92.1%	80.3%

[5 marks]  
[5 markah]

CLO2  
C4

- (c) The following is the financial statement for GENG Q Sdn. Bhd.  
*Berikut adalah penyata kewangan GENG Q Sdn. Bhd.*

GENG Q SDN BHD	
STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR	
ENDED 31 DECEMBER 2020	
Penyata Pendapatan Komprehensif bagi tahun berakhir 31 Disember 2020	
	RM
Sales <i>Jualan</i>	2,700,000
(-) Cost of goods sold <i>Kos barang dijual</i>	(800,000)
Gross profit <i>Untung kasar</i>	1,900,000
(-) Operation cost <i>Kos operasi</i>	(500,000)
Earnings before interest and tax <i>Pendapatan sebelum cukai dan faedah</i>	1,400,000
(-) Interest expenses <i>Belanja faedah</i>	(40,000)
Earning before tax <i>Pendapatan sebelum cukai</i>	1,360,000
(-) Tax <i>Cukai</i>	(340,000)
Net profit <i>Untung bersih</i>	1,020,000



GENG Q SDN BHD	
STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2020	
Penyata Kedudukan Kewangan pada 31 Disember 2020	
RM	
<i>ASSETS / ASET</i>	
Cash / <i>Tunai</i>	160,000
Account Receivables / <i>Akaun belum Terima</i>	500,000
Inventory / <i>Inventori</i>	500,000
Non-current assets / <i>Aset bukan semasa</i>	2,400,000
<b>TOTAL ASSETS / <i>JUMLAH ASET</i></b>	<b>3,560,000</b>
<i>LIABILITIES AND EQUITIES / LIABILITI DAN EKUITI</i>	
Account payable / <i>Akaun belum bayar</i>	400,000
Notes payable / <i>Nota belum bayar</i>	300,000
Long term liabilities / <i>Liabiliti jangka panjang</i>	300,000
<b>TOTAL LIABILITIES / <i>JUMLAH LIABILITI</i></b>	<b>1,000,000</b>
Ordinary share / <i>Saham biasa @ 250,000 units</i>	1,860,000
Retained earnings / <i>Pendapatan tertahan</i>	700,000
<b>TOTAL LIABILITIES AND EQUITY / <i>JUMLAH LIABILITI DAN EKUITI</i></b>	<b>3,560,000</b>

Assuming 360 days per year.

*Andaian setahun 360 hari.*

Industry ratio are as follows:

*Nisbah industri adalah seperti berikut:*

Current ratio / <i>Nisbah semasa</i>	2.5 x
Average collection period / <i>Tempoh purata kutipan</i>	40 days
Debt ratio / <i>Nisbah hutang</i>	45%
Net profit margin / <i>Margin untung bersih</i>	25%
Return on equity / <i>Pulangan ekuiti</i>	30%
Inventory turnover ratio / <i>Pusing ganti inventori</i>	4 x

Based on the above information, analyze the company's financial ratios as below:

*Berdasarkan maklumat di atas, analisa nisbah kewangan syarikat seperti di bawah:*

- i. Current ratio  
*Nisbah semasa*
- ii. Average collection period  
*Tempoh kutipan purata*
- iii. Debt ratio  
*Nisbah hutang*
- iv. Net profit margin  
*Margin untung bersih*
- v. Return on equity  
*Pulangan atas ekuiti*
- vi. Inventory turnover ratio  
*Pusing ganti inventori*

[12 marks]  
[12 markah]

**QUESTION 4**  
**SOALAN 4**

CLO2  
C1

- (a) Define these credit terms:  
4/10 net 20 and 2/25 net 30

*Takrifkan syarat kredit ini:*

*4/10 bersih 20 dan 2/25 bersih 30*

[4 marks]  
[4 markah]

CLO2  
C3

- (b) Cool Max Sdn Bhd is currently producing laptop that requires 50,000 units of component of power supply every year. The carrying cost is 15% from the purchase price of the goods. Goods are purchased at RM5/unit. The ordering cost is RM150. The management team has decided to keep 200 units as safety stock. Company supplier usually takes 10 days to deliver the stock to the company.

Assume that the company works 53 weeks in a year. Calculate:

*Terkini Cool Max Sdn Bhd mengeluarkan komputer riba yang memerlukan 50,000 unit komponen bekalan kuasa setiap tahun. Kos penghantaran ialah 15% daripada harga belian barangan. Barangan yang dibeli bernilai RM5/unit. Kos pesanan ialah RM150. Pihak pengurusan telah memutuskan untuk menyimpan 200 unit sebagai stok keselamatan. Pembekal syarikat biasanya mengambil masa 10 hari untuk menghantar stok kepada syarikat.*

*Andaikan syarikat itu beroperasi selama 53 minggu setahun. Kirakan:*

- i. Number of orders in a year  
*Bilangan pesanan dalam setahun*

[9 marks]  
[9 markah]

- ii. Total inventory cost  
*Jumlah kos inventori*

[6 marks]  
[6 markah]

CLO 2  
C4

- (c) Differentiate between permanent and spontaneous sources of asset financing with an example.

*Bezakan antara sumber pembiayaan aset tetap dan aset spontan berserta contoh.*

[6 marks]  
[6 markah]

**END OF QUESTION**

**SOALAN TAMAT**

# APPENDIX 1 :

Table A-3 Present Value Interest Factors for One Dollar Discounted at  $k$  Percent for  $n$  Periods:  $PVIF_{k,n} = 1 / (1 + k)^n$

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	24%	25%	30%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696	0.8621	0.8333	0.8065	0.8000	0.7692
2	0.9803	0.9612	0.9426	0.9246	0.9070	0.8900	0.8734	0.8573	0.8417	0.8264	0.8116	0.7972	0.7831	0.7695	0.7561	0.7432	0.6944	0.6504	0.6400	0.5917
3	0.9706	0.9423	0.9151	0.8890	0.8638	0.8396	0.8163	0.7938	0.7722	0.7513	0.7312	0.7118	0.6931	0.6750	0.6575	0.6407	0.5787	0.5245	0.5120	0.4552
4	0.9610	0.9238	0.8885	0.8548	0.8227	0.7921	0.7629	0.7350	0.7084	0.6830	0.6587	0.6355	0.6133	0.5921	0.5718	0.5523	0.4823	0.4230	0.4096	0.3501
5	0.9515	0.9057	0.8626	0.8219	0.7835	0.7473	0.7130	0.6806	0.6499	0.6209	0.5935	0.5674	0.5428	0.5194	0.4972	0.4761	0.4019	0.3411	0.3277	0.2693
6	0.9420	0.8880	0.8375	0.7903	0.7462	0.7050	0.6663	0.6302	0.5963	0.5645	0.5346	0.5066	0.4803	0.4556	0.4323	0.4104	0.3349	0.2751	0.2621	0.2072
7	0.9327	0.8706	0.8131	0.7599	0.7107	0.6651	0.6227	0.5835	0.5470	0.5132	0.4817	0.4523	0.4251	0.3996	0.3759	0.3538	0.2791	0.2218	0.2097	0.1594
8	0.9235	0.8535	0.7894	0.7307	0.6768	0.6274	0.5820	0.5403	0.5019	0.4665	0.4339	0.4039	0.3762	0.3506	0.3269	0.3050	0.2326	0.1789	0.1678	0.1226
9	0.9143	0.8368	0.7664	0.7026	0.6446	0.5919	0.5439	0.5002	0.4604	0.4241	0.3909	0.3606	0.3329	0.3075	0.2843	0.2630	0.1938	0.1443	0.1342	0.0943
10	0.9053	0.8203	0.7441	0.6756	0.6139	0.5584	0.5083	0.4632	0.4224	0.3855	0.3522	0.3220	0.2946	0.2697	0.2472	0.2267	0.1615	0.1164	0.1074	0.0725
11	0.8963	0.8043	0.7224	0.6496	0.5847	0.5268	0.4751	0.4289	0.3875	0.3505	0.3173	0.2875	0.2607	0.2366	0.2149	0.1954	0.1346	0.0938	0.0859	0.0558
12	0.8874	0.7885	0.7014	0.6246	0.5568	0.4970	0.4440	0.3971	0.3555	0.3186	0.2858	0.2567	0.2307	0.2076	0.1869	0.1685	0.1122	0.0757	0.0687	0.0429
13	0.8787	0.7730	0.6810	0.6006	0.5303	0.4688	0.4150	0.3677	0.3262	0.2897	0.2575	0.2292	0.2042	0.1821	0.1625	0.1452	0.0935	0.0610	0.0550	0.0330
14	0.8700	0.7579	0.6611	0.5775	0.5051	0.4423	0.3878	0.3405	0.2992	0.2633	0.2320	0.2046	0.1807	0.1597	0.1413	0.1252	0.0779	0.0492	0.0440	0.0254
15	0.8613	0.7430	0.6419	0.5553	0.4810	0.4173	0.3624	0.3152	0.2745	0.2394	0.2090	0.1827	0.1599	0.1401	0.1229	0.1079	0.0649	0.0397	0.0352	0.0195
16	0.8528	0.7284	0.6232	0.5339	0.4581	0.3936	0.3387	0.2919	0.2519	0.2176	0.1883	0.1631	0.1415	0.1229	0.1069	0.0930	0.0541	0.0320	0.0281	0.0150
17	0.8444	0.7142	0.6050	0.5134	0.4363	0.3714	0.3166	0.2703	0.2311	0.1978	0.1696	0.1456	0.1252	0.1078	0.0929	0.0802	0.0451	0.0258	0.0225	0.0116
18	0.8360	0.7002	0.5874	0.4936	0.4155	0.3503	0.2959	0.2502	0.2120	0.1799	0.1528	0.1300	0.1108	0.0946	0.0808	0.0691	0.0376	0.0208	0.0180	0.0089
19	0.8277	0.6864	0.5703	0.4746	0.3957	0.3305	0.2765	0.2317	0.1945	0.1635	0.1377	0.1161	0.0981	0.0829	0.0703	0.0596	0.0313	0.0168	0.0144	0.0068
20	0.8195	0.6730	0.5537	0.4564	0.3769	0.3118	0.2584	0.2145	0.1784	0.1486	0.1240	0.1037	0.0868	0.0728	0.0611	0.0514	0.0261	0.0135	0.0115	0.0053
21	0.8114	0.6598	0.5375	0.4388	0.3589	0.2942	0.2415	0.1987	0.1637	0.1351	0.1117	0.0926	0.0768	0.0638	0.0531	0.0443	0.0217	0.0109	0.0092	0.0040
22	0.8034	0.6468	0.5219	0.4220	0.3418	0.2775	0.2257	0.1839	0.1502	0.1228	0.1007	0.0826	0.0680	0.0560	0.0462	0.0382	0.0181	0.0088	0.0074	0.0031
23	0.7954	0.6342	0.5067	0.4057	0.3256	0.2618	0.2109	0.1703	0.1378	0.1117	0.0907	0.0738	0.0601	0.0491	0.0402	0.0329	0.0151	0.0071	0.0059	0.0024
24	0.7876	0.6217	0.4919	0.3901	0.3101	0.2470	0.1971	0.1577	0.1264	0.1015	0.0817	0.0659	0.0532	0.0431	0.0349	0.0284	0.0126	0.0057	0.0047	0.0018
25	0.7798	0.6095	0.4776	0.3751	0.2953	0.2330	0.1842	0.1460	0.1160	0.0923	0.0736	0.0588	0.0471	0.0378	0.0304	0.0245	0.0105	0.0046	0.0038	0.0014
30	0.7419	0.5521	0.4120	0.3083	0.2314	0.1741	0.1314	0.0994	0.0754	0.0573	0.0437	0.0334	0.0256	0.0196	0.0151	0.0116	0.0042	0.0016	0.0012	*
35	0.7059	0.5000	0.3554	0.2534	0.1813	0.1301	0.0937	0.0676	0.0490	0.0356	0.0259	0.0189	0.0139	0.0102	0.0075	0.0055	0.0017	0.0005	*	*
36	0.6989	0.4902	0.3450	0.2437	0.1727	0.1227	0.0875	0.0626	0.0449	0.0323	0.0234	0.0169	0.0123	0.0089	0.0065	0.0048	0.0014	*	*	*
40	0.6717	0.4529	0.3066	0.2083	0.1420	0.0972	0.0668	0.0460	0.0318	0.0221	0.0154	0.0107	0.0075	0.0053	0.0037	0.0026	0.0007	*	*	*
50	0.6080	0.3715	0.2281	0.1407	0.0872	0.0543	0.0339	0.0213	0.0134	0.0085	0.0054	0.0035	0.0022	0.0014	0.0009	0.0006	*	*	*	*

# APPENDIX 2 :

Table A-4 Present Value Interest Factors for a One-Dollar Annuity Discounted at  $k$  Percent for  $n$  Periods:  $PVIFA = [1 - 1/(1 + k)^n] / k$

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	20%	24%	25%	30%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696	0.8621	0.8333	0.8065	0.8000	0.7692
2	1.9704	1.9416	1.9135	1.8861	1.8594	1.8334	1.8080	1.7833	1.7591	1.7355	1.7125	1.6901	1.6681	1.6467	1.6257	1.6052	1.5278	1.4568	1.4400	1.3609
3	2.9410	2.8839	2.8286	2.7751	2.7232	2.6730	2.6243	2.5771	2.5313	2.4869	2.4437	2.4018	2.3612	2.3216	2.2832	2.2459	2.1065	1.9813	1.9520	1.8161
4	3.9020	3.8077	3.7171	3.6299	3.5460	3.4651	3.3872	3.3121	3.2397	3.1699	3.1024	3.0373	2.9745	2.9137	2.8550	2.7982	2.5887	2.4043	2.3616	2.1662
5	4.8534	4.7135	4.5797	4.4518	4.3295	4.2124	4.1002	3.9927	3.8897	3.7908	3.6959	3.6048	3.5172	3.4331	3.3522	3.2743	2.9906	2.7454	2.6893	2.4356
6	5.7955	5.6014	5.4172	5.2421	5.0757	4.9173	4.7665	4.6229	4.4859	4.3553	4.2305	4.1114	3.9975	3.8887	3.7845	3.6847	3.3255	3.0205	2.9514	2.6427
7	6.7282	6.4720	6.2303	6.0021	5.7864	5.5824	5.3893	5.2064	5.0330	4.8684	4.7122	4.5638	4.4226	4.2883	4.1604	4.0386	3.6046	3.2423	3.1611	2.8021
8	7.6517	7.3255	7.0197	6.7327	6.4632	6.2098	5.9713	5.7466	5.5348	5.3349	5.1461	4.9676	4.7988	4.6389	4.4873	4.3436	3.8372	3.4212	3.3289	2.9247
9	8.5660	8.1622	7.7861	7.4353	7.1078	6.8017	6.5152	6.2469	5.9952	5.7590	5.5370	5.3282	5.1317	4.9464	4.7716	4.6065	4.0310	3.5655	3.4631	3.0190
10	9.4713	8.9826	8.5302	8.1109	7.7217	7.3601	7.0236	6.7101	6.4177	6.1446	5.8892	5.6502	5.4262	5.2161	5.0188	4.8332	4.1925	3.6819	3.5705	3.0915
11	10.368	9.7868	9.2526	8.7605	8.3064	7.8869	7.4987	7.1390	6.8052	6.4951	6.2065	5.9377	5.6869	5.4527	5.2337	5.0286	4.3271	3.7757	3.6564	3.1473
12	11.255	10.575	9.9540	9.3851	8.8633	8.3838	7.9427	7.5361	7.1607	6.8137	6.4924	6.1944	5.9176	5.6603	5.4206	5.1971	4.4392	3.8514	3.7251	3.1903
13	12.134	11.348	10.635	9.9856	9.3936	8.8527	8.3577	7.9038	7.4869	7.1034	6.7499	6.4235	6.1218	5.8424	5.5831	5.3423	4.5327	3.9124	3.7801	3.2233
14	13.004	12.106	11.296	10.563	9.8986	9.2950	8.7455	8.2442	7.7862	7.3667	6.9819	6.6282	6.3025	6.0021	5.7245	5.4675	4.6106	3.9616	3.8241	3.2487
15	13.865	12.849	11.938	11.118	10.380	9.7122	9.1079	8.5595	8.0607	7.6061	7.1909	6.8109	6.4624	6.1422	5.8474	5.5755	4.6755	4.0013	3.8593	3.2682
16	14.718	13.578	12.561	11.652	10.838	10.106	9.4466	8.8514	8.3126	7.8237	7.3792	6.9740	6.6039	6.2651	5.9542	5.6685	4.7296	4.0333	3.8874	3.2832
17	15.562	14.292	13.166	12.166	11.274	10.477	9.7632	9.1216	8.5436	8.0216	7.5488	7.1196	6.7291	6.3729	6.0472	5.7487	4.7746	4.0591	3.9099	3.2948
18	16.398	14.992	13.754	12.659	11.690	10.828	10.059	9.3719	8.7556	8.2014	7.7016	7.2497	6.8399	6.4674	6.1280	5.8178	4.8122	4.0799	3.9279	3.3037
19	17.226	15.678	14.324	13.134	12.085	11.158	10.336	9.6036	8.9501	8.3649	7.8393	7.3658	6.9380	6.5504	6.1982	5.8775	4.8435	4.0967	3.9424	3.3105
20	18.046	16.351	14.877	13.590	12.462	11.470	10.594	9.8181	9.1285	8.5136	7.9633	7.4694	7.0248	6.6231	6.2593	5.9288	4.8696	4.1103	3.9539	3.3158
21	18.857	17.011	15.415	14.029	12.821	11.764	10.836	10.017	9.2922	8.6487	8.0751	7.5620	7.1016	6.6870	6.3125	5.9731	4.8913	4.1212	3.9631	3.3198
22	19.660	17.658	15.937	14.451	13.163	12.042	11.061	10.201	9.4424	8.7715	8.1757	7.6446	7.1695	6.7429	6.3587	6.0113	4.9094	4.1300	3.9705	3.3230
23	20.456	18.292	16.444	14.857	13.489	12.303	11.272	10.371	9.5802	8.8832	8.2664	7.7184	7.2297	6.7921	6.3988	6.0442	4.9245	4.1371	3.9764	3.3254
24	21.243	18.914	16.936	15.247	13.799	12.550	11.469	10.529	9.7066	8.9847	8.3481	7.7843	7.2829	6.8351	6.4338	6.0726	4.9371	4.1428	3.9811	3.3272
25	22.023	19.523	17.413	15.622	14.094	12.783	11.654	10.675	9.8226	9.0770	8.4217	7.8431	7.3300	6.8729	6.4641	6.0971	4.9476	4.1474	3.9849	3.3286
30	25.808	22.396	19.600	17.292	15.372	13.765	12.409	11.258	10.274	9.4269	8.6938	8.0552	7.4957	7.0027	6.5660	6.1772	4.9789	4.1601	3.9950	3.3321
35	29.409	24.999	21.487	18.665	16.374	14.498	12.948	11.655	10.567	9.6442	8.8552	8.1755	7.5856	7.0700	6.6166	6.2153	4.9915	4.1644	3.9984	3.3330
36	30.108	25.489	21.832	18.908	16.547	14.621	13.035	11.717	10.612	9.6765	8.8786	8.1924	7.5979	7.0790	6.6231	6.2201	4.9929	4.1649	3.9987	3.3331
40	32.835	27.355	23.115	19.793	17.159	15.046	13.332	11.925	10.757	9.7791	8.9511	8.2438	7.6344	7.1050	6.6418	6.2335	4.9966	4.1659	3.9995	3.3332
50	39.196	31.424	25.730	21.482	18.256	15.762	13.801	12.233	10.962	9.9148	9.0417	8.3045	7.6752	7.1327	6.6605	6.2463	4.9995	4.1666	3.9999	3.3333