

SULIT



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

JABATAN PERDAGANGAN

PENILAIAN ALTERNATIF

SESI 1 : 2021/2022

DPB5043 : BUSINESS FINANCE

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

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)**

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 a Financial Manager is to integrate the functional activities of an organization to help achieve the organization's objective. List **TWO (2)** differences between Profit Maximization and Wealth Maximization objectives of the company.

Tugas Pengurus Kewangan adalah memastikan fungsi aktiviti diselaraskan bagi mencapai objektif organisasi yang ditetapkan. Senaraikan DUA (2) perbezaan antara objektif Memaksimakan Keuntungan dan Memaksimakan Kekayaan bagi syarikat.

[4 marks]
[4 markah]

CLO1
C2

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

ABA & 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>	Probability <i>Kebarangkalian</i>	Returns <i>Pulangan</i>	
		Project A <i>Projek A</i>	Project B <i>Projek B</i>
Recession <i>Kemelesetan</i>	0.25	13%	7%
Moderate <i>Sederhana</i>	0.50	15%	15%
Strong <i>Kukuh</i>	0.25	17%	23%

CLO1
C2

- i. Based on the information above, calculate the following items for each project.

Berdasarkan maklumat di atas, kira setiap item berikut bagi setiap projek.

1. Expected rate of return

Kadar pulangan dijangka

[4 marks]
[4 markah]

2. Standard deviation

Sisihan piawai.

[5 marks]
[5 markah]

CLO1
C2

- ii. Determine the investment you will choose as a risk adverse investor. Explain your reason.

Tentukan pelaburan yang manakah akan anda pilih sebagai pelabur pengelak risiko. Terangkan alasan.

[3 marks]
[3 markah]

CLO1
C3

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

	RM
Sales / <i>Jualan</i>	75,000
Variable Cost / <i>Kos Berubah</i>	37,000
Contribution Margin / <i>Margin Sumbangan</i>	38,000
Fixed Cost / <i>Kos Tetap</i>	19,000
EBIT / <i>Perolehan Sebelum Faedah dan Cukai</i>	19,000
Interest Expense / <i>Belanja Faedah</i>	7,000
EBT / <i>Perolehan Sebelum Cukai</i>	12,000
Taxes / <i>Cukai</i>	6,000
Net Income / <i>Pendapatan Bersih</i>	6,000

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 2CLO1
C2

- (a) D'z Bhd is planning to issue a commercial paper totalling RM10 million. The commercial paper will carry a 270 day of maturity and require interest based upon a rate of 11% per annum. In addition, the firm will have to pay fees totaling RM20,000 in order to bring the issue to market and place it. Calculate the effective annual cost of this commercial paper.

D'z Bhd sedang merancang untuk menerbitkan kertas perdagangan berjumlah RM10 juta. Kertas perdagangan tersebut akan mengambil masa 270 untuk matang dan memerlukan faedah yang dikenakan pada kadar 11%. Tambahan lagi, syarikat perlu membayar yuran berjumlah RM20,000 bagi mengeluarkan kertas perdagangan untuk dipasarkan dan diterbitkan. Kirakan kos efektif tahunan bagi kertas perdagangan tersebut.

[6 marks]
[6 markah]

CLO1
C3

- (b) D'z Bhd is considering to invest in two mutually exclusive projects, one with a life span of 6 years and the other with a life span of 4 years. Assuming a capital cost of 12% for both projects, the after-tax cash flow from the two projects are as follows:

D'z Bhd sedang mempertimbangkan untuk melabur dalam 2 projek saling eksklusif yang mempunyai jangka hayat selama 6 tahun dan 4 tahun. Andaikan kos atas modal bagi kedua-dua projek adalah 12%. Aliran tunai selepas cukai daripada kedua-dua projek adalah seperti berikut:

Years <i>Tahun</i>	Project Marina Island <i>Projek Marina Island</i> (RM)	Project Lagoon Island <i>Projek Lagoon Island</i> (RM)
0	(400,000)	(450,000)
1	110,000	140,000
2	110,000	155,000
3	110,000	158,000
4	110,000	175,000
5	110,000	
6	110,000	

- i. Based on the information above, you are required to calculate
Berdasarkan maklumat di atas, anda dikehendaki untuk mengira

1. The Payback Period
Tempoh Bayaran Balik

[2 marks]
[2 markah]

2. The Net Present Value
Nilai Kini Bersih

[5 marks]
[5 markah]

3. The Probability Index
Indeks Keuntungan

[2 marks]
[2 markah]

- ii. Choose the best project and list **TWO (2)** reasons.
Pilih projek yang terbaik dan senaraikan DUA (2) alasan.

[6 marks]
[6 markah]

CLO1
C2

- (c) Capital budgeting involves the process of planning for capital investment or fixed asset. Explain **TWO (2)** reasons why capital budgeting analysis is an important process to the company.

*Analisis belanjawan melibatkan proses perancangan dalam pelaburan modal atau aset tetap. Terangkan **DUA (2)** alasan mengapa analisis belanjawan modal adalah satu proses yang penting bagi sesebuah syarikat.*

[4 marks]
[4 markah]

QUESTION 3
SOALAN 3

CLO2
C1

- (a) Financial statements represent raw data for financial analysis. State **FOUR (4)** users of financial statement.

*Penyata kewangan mempersembahkan data-data mentah bagi kegunaan analisis kewangan. Nyatakan **EMPAT (4)** pengguna penyata kewangan.*

[4 marks]
[4 markah]

CLO2
C2

- (b) i. One ratio analysis of itself will never tell the whole story of the financial performance. Explain **TWO (2)** limitations of ratio analysis.

*Satu nisbah kewangan tidak boleh menggambarkan prestasi kewangan. Terangkan **DUA (2)** limitasi analisa nisbah.*

[4 marks]
[4 markah]

CLO2
C2

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

Kenalpasti nisbah syarikat dan industri berikut sama ada MEMUASKAN atau TIDAK MEMUASKAN.

Types of ratio <i>Jenis Nisbah</i>	Company's ratio <i>Nisbah syarikat</i>	Industry average <i>Purata industri</i>
Quick ratio <i>Nisbah cepat</i>	1.6x	1.5x
Total assets turnover <i>Pusing ganti jumlah asset</i>	1.2x	1.3x
Inventory turnover <i>Pusing ganti inventori</i>	80.4%	84.5%
Debt equity ratio <i>Nisbah hutang ekuiti</i>	78.1%	80.3%
Net profit margin <i>Margin untung bersih</i>	25%	35%

[5 marks]
[5 markah]

CLO2
C4

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

AZRIZ 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>	2,500,000
(-) Cost of good sold <i>Kos barang dijual</i>	(600,000)
Gross profit <i>Untung kasar</i>	1,900,000
(-) Operation cost <i>Kos operasi</i>	(300,000)
Earnings before interest and tax <i>Pendapatan sebelum cukai dan faedah</i>	1,600,000
(-) Interest expenses <i>Belanja faedah</i>	(30,000)
Earning before tax <i>Pendapatan sebelum cukai</i>	1,570,000
(-) Tax <i>Cukai</i>	(392,500)
Net profit <i>Untung bersih</i>	1,177,500

AZRIZ 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>	150,000
Account Receivables / <i>Akaun belum terima</i>	400,000
Inventory / <i>Inventori</i>	500,000
Non-current assets / <i>Aset bukan semasa</i>	2,200,000
TOTAL ASSETS / JUMLAH ASET	3,250,000
<i>LIABILITIES AND EQUITIES / LIABILITI DAN EKUITI</i>	
Account payable / <i>Akaun belum bayar</i>	300,000
Notes payable / <i>Nota belum bayar</i>	500,000
Long term liabilities / <i>Liabiliti jangka panjang</i>	400,000
TOTAL LIABILITIES/ JUMLAH LIABILITI	1,200,000
Ordinary share / <i>Saham biasa @ 250,000 units</i>	1,500,000
Retained earnings / <i>Pendapatan tertahan</i>	550,000
TOTAL LIABILITIES AND EQUITY / JUMLAH LIABILITI DAN EKUITI	3,250,000

Assuming 360 days per year.

Andaian setahun 360 hari.

Industry ratio are as follows:

Nisbah industry adalah seperti berikut:

Current ratio / <i>Nisbah semasa</i>	2.8 x
Average collection period / <i>Tempoh purata kutipan</i>	45 days
Debt ratio / <i>Nisbah hutang</i>	50%
Net profit margin / <i>Margin untung bersih</i>	30%
Return on equity / <i>Pulangan ekuiti</i>	25%
Inventory turnover ratio / <i>Pusing ganti inventori</i>	5 x

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

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

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

[12 marks]
[12 markah]

QUESTION 4
SOALAN 4CLO2
C1

- (a) Marketable securities are classified as part of the company's liquid assets. List **TWO (2)** reasons for company holding marketable security.

*Sekuriti boleh pasar boleh dikelaskan sebagai sebahagian daripada aset cair syarikat. Senaraikan **DUA (2)** sebab syarikat memegang sekuriti boleh pasar.*

[4 marks]
[4 markah]

CLO2
C3

- (b) i. Silver Enterprise has a yearly usage of 48,000 units of a material. The cost of placing an order is RM100 and it takes one week for the shipment to arrive. On average, the inventory carrying cost per unit is RM2.20. The management team has decided to keep 58 units as safety stocks in order to protect uncertainty in demand.

Penggunaan bagi satu bahan oleh Silver Enterprise ialah 48,000 unit setahun. Kos tempahan sebanyak RM100 dan penghantaran tempahan mengambil masa 1 minggu untuk sampai kepada syarikat. Secara purata, kos membawa inventori tersebut adalah sebanyak RM2.20 seunit. Pihak pengurusan telah mengambil keputusan untuk menyimpan stok sebanyak 58 unit sebagai stok keselamatan sebagai usaha untuk memenuhi permintaan luar jangka.

Assume that the company works 50 weeks in a year, calculate:
Dengan mengandaikan syarikat beroperasi selama 50 minggu setahun, kira:

1. Economic Order Quantity (EOQ)
Kuantiti tempahan ekonomik

[3 marks]
[3 markah]

2. Number of orders in a year
Bilangan pesanan dalam setahun

[2 marks]
[2 markah]

3. Inventory reorder point
Tingkat pesanan semula

[4 marks]
[4 markah]

CLO2
C3

(b) ii.

1/10, net 20 1/10, bersih 20

1. Interpret the credit term above.
Tafsir maksud terma kredit di atas.

[3 marks]
[3 markah]

2. Calculate cost of effective credit for the term above.
Kira kos efektif kredit untuk terma di atas.

[3 marks]
[3 markah]

CLO 2
C4

- (c) Cash is one of the components of current assets and it is a medium of exchange of goods and services. Explain **TWO (2)** motives for company holding cash.

*Tunai ialah salah satu komponen daripada aset semasa dan merupakan medium pertukaran barang-barang dan perkhidmatan. Terangkan **DUA (2)** motif syarikat memegang tunai.*

[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