

#### **CPA PART III SECTION 5**

# ADVANCED FINANCIAL MANAGEMENT

## THURSDAY: 20 May 2021.

Time Allowed: 3 hours.

# Answer ALL questions. Marks allocated to each question are shown at the end of the question. Show ALL your workings.

## QUESTION ONE

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- (a) Citing four reasons, argue the case why firms undertake capital rationing decisions in your country. (4 marks)
- (b) You have been appointed by Biosoft Limited to review three investment project proposals. The investment funds are limited to Sh.<u>8.000,000</u> in the current financial year. Details of the three possible investment projects, none of which can be delayed are given below:

**Project 1:** An investment of Sh.3,000,000 in workstation assessments. Each assessment would be on an individual employee basis and would lead to a saving in labour costs from increased efficiency and reduced absenteeism. In money terms, the savings in labour costs are expected to be as follows:

Year	1 2	3	4 5
Cash Flow (Sh. "000")	850 900	950	1,000 950

**Project 2:** An investment of Sh.4,500,000 in individual workstations for staff that is expected to reduce administration costs by Sh.1,408,000 per annum in money terms for the next five years.

**Project 3:** An investment of Sh.4,500,000 in new ticket machines. A net cash savings of Sh.1,200,000 per annum is expected in current money terms and is projected to increase by 3.6% per annum due to inflation during the five years life of the machines.

The money cost of capital for Biosoft Limited is 12%.

#### **Required:**

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Advise the company on the project(s) to invest the available funds and calculate the resultant net present value (NPV) assuming:

(1) The three projects are divisible	(7 marks)
(ii) None of the projects is divisible.	(3 marks)

(c) Dafina Limited is an export - import firm based in Kenya.

On 1 August 2020, the company exported tea to the United States of America (USA) on a 3-month credit amounting to US\$10,000,000.

#### Additional information:

1. The rates in the forex and money market were as follows:

August 2020 December 2020	Ksh/1US\$ 105 101
Kenya JSA	Interest rates (per annum) 18% 12%

2. The customer will settle the amount on 1 December 2020.

CA53 Page 1 Out of 4 **Required:** 

(i) Using the interest rate parity, determine the expected 3-months forward exchange rate as at 1 December 2020.

(2 marks)

(ii) Using suitable computations, advise Dafina Limited on the better hedging strategy between a forward market and money market hedge. (4 marks)

(Total: 20 marks)

## **QUESTION TWO**

(a) In this era of globalisation, the functions of finance executives of multinational corporations (MNCs) have become complex.

Propose five factors that the Chief Finance Officer (CFO) of a MNC should consider in making international financial management decisions. (5 marks)

(b) The arbitrage pricing theory (APT) and the capital asset pricing model (CAPM) have received much attention from practitioners and academicians for their use in asset pricing and valuation.

#### **Required:**

(c)

Explain the difference between APT and the CAPM with respect to:

(i)	Investor utility functions.	(2 marks)
(ii)	Distribution of returns,	(2 marks)
(iii)	The market portfolio.	(2 marks)

Zachary Mosomi, an investor holds the following portfolio of four risky assets and a deposit in a risk-free asset.

He has provided the information below:

Asset	Weighting (%)	Current return (%)	Beta
A	20	12	1.5
В	10	18	2.0
С	15	14	1.2
D	25	8	0.9
Risk-free asset	30	5	0

The overall return on the market portfolio of risky assets is 11%.

	(i)	Portfolio return and beta	() marks)
	<i></i>		(2 marks)
	(ii)	Using the results in (i) above, deduce the type of investor Zachary is.	(1 mark)
	(iii)	Using suitable computations, determine the assets that are inefficient, efficient or super efficient.	(4 marks)
	(iv)	Calculate the equilibrium return for the portfolio.	(2 marks)
		(Total:	20 marks)
QUEST	ION	THREE	
(a)	(i)	Explain the meaning of the term "unbundling" as used in corporate restructuring and reorganisation.	(2 marks)
	(ii)	Describe four forms of unbundling a firm.	(4 marks)

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(b) Bamboo Ltd. is currently an unlevered firm. The firm is expected to generate a constant operating profit (EBIT) of Sh.20 million per annum in perpetuity. The firm's current market value is Sh.80 million.

The management is considering undertaking an expansion activity by use of debt financing. The firm's financial analysts have estimated that the present value of any future financial distress cost is Sh.8 million. However, the probability of distress would increase with leverage according to the following schedule:

Value of debt Sh. "million"	Probability of financial distress (%)	Pre-tax cost of debt (%)
2.5	0.00	4
5.0	1.25	6
7,5	2.5	10
10	6.25	15
12.5	12.50	18
15 -	31.25	20 .
20	75	22

Corporation tax rate applicable is 30%.

### **Required:**

51	TION	FOUR	
		(Total:	20 marks)
	(iii)	Evaluate the firm's optimal capital structure when financial distress costs are included.	(8 marks)
	(ii)	Using the "pure" Modigliani and Miller (MM) with tax model, determine the optimal level of debt.	(4 marks)
	(i)	The current cost of equity and weighted average cost of capital (WACC) of the firm,	(2 marks)

# QUESTION FOUR

(a) Evaluate five defensive tactics available to a firm threatened by a hostile takeover in the industry. (5 marks)

(b) Apoo Limited is considering to acquire Alpha Limited. The following are the financial data for the two companies:

	Apco Limited	Alpha Limited
Net sales (Sh.)	350,000	45,000
Profit after tax (Sh.)	18,130	3,750
Number of outstanding ordinary shares	7,500	1,500
Earnings per share (EPS)	3.75	2.50
Dividend per share (DPS)	1.30	0.60
Total market capitalization (Sh.)	420,000	45,000

#### **Required:**

(i) Determine the pre-merger market value per share for both companies.

(ii) Determine the post merger EPS, market price per share (MPS) and price earnings (P/E) ratio. (3 marks)

(iii) Compare Apco Limited's EPS assuming Alpha Limited's shareholders are offered Sh.100,000, 5% convertible debenture for each share held in Alpha Limited.

Assume a corporate tax rate of 30%.

(c) Makazi Ltd.'s current earnings per share is Sh.6.0. The firm has in issue 50 million ordinary shares which have a par value of Sh.20 each. The firm's total revenue and capital reserves amounts to Sh.500 million.

The company has an asset beta of 0.9 and a retention ratio of 60%.

The management of Makazi Ltd. intends to undertake a financial reconstruction which will result in a debt-equity ratio change from 0.45 to 0.2.

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(2 marks)

(2 marks)

#### Additional information:

- 1. The risk free rate of return is 8%.
- 2. Expected rate of return of a market portfolio is 18%.
- 3. Corporation tax rate is 30%.
- 4. The firm's return on equity before and after the financial reconstruction will remain unchanged.

#### Required:

Evaluate the impact of the financial reconstruction on the firm's share price.

(8 marks) (Total: 20 marks)

(4 marks)

#### **QUESTION FIVE**

- (a) Discuss four circumstances in which a decision could be made to liquidate a failing company rather than attempt to carry out a reconstruction. (4 marks)
- (b) Examine four advantages of investing in real estate.
- (c) Zedtech Ltd. wishes to design a new product so as to catch the interest of their target market which is currently very competitive.

The company will have to invest Sh.100,000 at the beginning of the first year (year 0) for the design and model testing of the new product.

The company's marketing manager believes that there is an 80% chance that this phase will be successful and the project will continue. If phase 1 is not successful, the project will be abandoned with zero salvage value.

The next phase, if undertaken would consist of making the moulds and producing ten prototype products at a cost of Sh.500,000 at the end of the first year. If the products test well, the company would go into full scale production. If they do not, the moulds and prototypes will all be sold for Sh.400,000. The manager estimates that there is a 90% probability that the products will pass testing and phase 3 will be undertaken.

Phase 3 consists of changing over the firm's current production line so as to be able to produce the new products. This will cost Sh.1,000,000 at the end of year 2. If the economic conditions are favourable at this juncture, the net value of the firm's cash flows are estimated to be Sh.3,500,000, while if the economic conditions are unfavourable the net cash inflows are estimated at Sh.2,500,000. Both net cash flows are expected at the end of year 3, and the two states of economy are equally likely.

The firm's opportunity cost of capital is 11%.

#### **Required:**

- (i) Construct a decision tree to depict payoffs, and hence determine the expected net present value (NPV) of the project. (6 marks)
- (ii) The project's expected standard deviation and coefficient of variation. (5 marks)
- (iii) Assuming the firm's average project had a coefficient of variation of between 1.0 and 2.0, explain whether the project would be of high, low or average risk. (1 mark)
  (Total: 20 marks)

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CA53 Page 4 Out of 4 Present Value Interest factor of 1 Received at the End of *n* Periods at r Percent:

 $PVIF_{r,n} = 1/(1+r)^n = (1+r)^{-n}$ 

																		2222 202 207 209 2	1	2020/01/2020	the photo has weeks
the second s	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	0.5944	0.6504	0.6400	0.5917
and the second standard second sec	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
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	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	° 6727	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
and the second second second second second	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
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	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
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	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
te all the first of the basis of the	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
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	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] "自己的问题,我们就是我们的问题。" [19] "我们们的问题,我们们就是我们们们的问题。"	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	9,0068
	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
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and the second second second second	21	0.8114	0.6598	0.5375	0.4388	0.3589	0.2942	0.2415	0.1967	0.1637	0.1351	0.1117	0.0926	0.0768	0.0638	0.0531	0.0443	0.0217	0.0109	0.0092	0.0640
	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
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	30	0.7419	0.5521	0.4120	0.3083	0.2314	6.1741	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	0.0005	0.0048	0.0014			
	40	0.6/17	0.4529	0.3056	0.2083	0,1420	0.0012	8660.0	0.0460	0.0318	0.0221	0.0154	0.0107	0.0075	0.0014	0.0037	0.0026	0.0007		AND CONTRACTOR	
AL CY	00	0.0080	0.3715	0.2281	0.1407	0.0872	0.0545	0.0339	0.0213	0.0134	0.0085	0.0054	0.0035	0.0022	0.0014	0.0009	0.0006				
(a) (b) momental			Pres PVIF	ent Va A <sub>r, n</sub> =	alue In = [1 –	iterest 1/ (1+	facto r) <sup>n</sup> ] /r	rs for a	Annuil	y of 1	Disco	ounted	at r P	ercen	t for <i>n</i>	Perio	ds:				
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C C	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
N	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
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	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

$$PVIFA_{r,n} = [1 - 1/(1+r)^{n}]/r$$

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%e	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	3,69.59	3,6048	3.5172	3.4331	3.3522	3.2743	2.9906	2.7454	2.6893	2.4356
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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
10001-2	國建建國	- Contraction		Mary Life	The second		<b>MARTINE</b>		MT 2-31	a sea a		Real Street	有法律问题	图制 在11		ST4278	ALC: NO	TOHON:		
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.B474	5.5755	4,6755	4.0013	3.8593	3.2682
			Street, I	Test file	Mar State	ALC: NO			1000	C Stars	4月1日日		1.00	1 Hale	书法的证书	F. C. Car	C. Harris			
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
1			一句 122	的時間		2. C. C. C. C.				1999	12212	1000		1.1	1	「日本日本には		1200-025	T. T. Tring	and the state
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	19.560	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
STORE T	1252	Lind meril	S Davis	and the second	100-16	in a starter			de galery	and the set				1.507502		1. 1. 1. I. I. I.	2.12.13	<u>12</u> - 4152	Martin Co.	
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

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