

#### **CIFA PART II SECTION 3**

## FINANCIAL STATEMENTS ANALYSIS

THURSDAY: 2 September 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**

- (a) As a financial research analyst, discuss five sources of information that one could use to assess the risks faced by a company. (10 marks)
- (b) Toiz Ltd. is a manufacturer of toys. The company's annual report for the year 2020 contained the following footnote under Accounting Policies:

Promotional displays: The company's investment in promotional displays is carried at cost less applicable amortisation. Amortisation is provided using the straight line method on an individual display basis over the estimated period of benefit (approximately 30 months).

Toiz Ltd. provided the following financial information for the years ended 31 December:

	2019	2020
	<b>&amp;h."000"</b>	Sh."000"
Promotional displays	8,451	10,099
Total assets	140,609	166,656
Shareholders' equity	78,337	92,612
Sales	327,013	387,301
Net income	17,509	14,467

Tax rate is 30%.

## Required:

- (i) Explain two reasons why Toiz Ltd. might have chosen to capitalise the cost of promotional displays rather than expense them. (4 marks)
- (ii) Calculate the effect of capitalisation of promotional displays on the following reported amounts for the year ended 31 December 2020:

• Net income.

(2 marks)

• Shareholders' equity.

(2 marks)

• Return on assets.

(2 marks)

(Total: 20 marks)

## **QUESTION TWO**

The following financial statements were extracted from the books of Urban Ltd:

## Urban Ltd.

## Statement of profit or loss for the year ended 31 December 2020

	Sh."000"	Sh."000'
C		30,500
Cost of goods sold		(17,600)
-		12,900
Interest income		500
		13,400

Expenses:	Sh."000"	Sh."000"
Selling and administrative expenses	3,550	
Depreciation and amortisation expenses	<u>1,890</u>	(5,440)
Net profit before interest and tax		7,960
Interest expense	•	_(900)
Net profit before tax		7,060
Income tax		(2,800)
Net profit		4,260

Urban Ltd.
Statement of financial position as at 31 December:

~	2020	2019
Non-current assets:	Sh."000"	Sh."000"
Property, plant and equipment	7,100	<u>7,000</u>
Current assets:	<u></u>	<u>- 1</u>
Cash	400	500
Short term investments	300	200
Accounts receivable	3,200	2,900
Inventory	_6,000	5,400
	<u>9,900</u>	9,000
Total assets	<u>17,000</u>	<u> 16,600</u>
		38
Equity and liabilities:	ما	cill
Equity		
Ordinary share capital of Sh.10 each	2,700	2,700
Share premium	1.000	1,000
Retained earnings	<u> 5,000</u>	<u>4,900</u>
Total equity	<b>%</b> 700	8,600
Non-current liabilities:	NN .	
Long-term loan	2,000	1,800
Current liabilities:		
Accounts payable	3,700	3,400
Income tax payable	900	800
Accrued expenses	1,700	_1,400
<u>,</u> ©	6,300	5,600
Retained earnings Total equity Non-current liabilities: Long-term loan Current liabilities: Accounts payable Income tax payable Accrued expenses  Total equity and liabilities	<u>17,000</u>	16,000

The following financial ratios were extracted from Urban Ltd.'s books and compared to the industry average:

	"MON'S	Url	oan Ltd.	Industry Average
	C 1	2019	2018	(Current)
(i)	Current catio	1.61	1.62	1.63
(ii)	Quick ratio	0.64	0.63	0.68
(iii)	Time interest earned	8.55	8.50	8.45
(iv)	Profit margin on sales	13.2%	12.1%	13.0%
(v)	Asset turnover	1.84	1.83	1.84
(vi)	Inventory turnover	3.17	3.21	3.18

# Required:

(a) Urban Ltd.'s ratios for the year ended 31 December 2020 as presented above.

(6 marks)

- (b) Using each of the ratios calculated in (a) above, analyse Urban Ltd.'s financial stability and operating efficiency. (12 marks)
- (c) Highlight two limitations of ratio analysis.

(2 marks)

(Total: 20 marks)

- (a) Highlight four criteria that must be met in order to recognise revenue earned at the point of sale.
- (4 marks)

(b) The following are extracts from the financial statements of Jolly Ltd.

Statement of profit or loss and other con	nprehensive income for the	vear ended 31 March 2021
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	Sn."0002
Sales	11,480
Cost of sales	(9,680)
Gross profit	1,800
Income from gains on investment property	120
Distribution costs	(240)
Administrative cost	(700)
Finance cost	_ (100)
Profit before tax	880
Income tax expenses	(320)
Profit for the year	560
Other comprehensive income:	
Gains on property revaluation	200
Total comprehensive income	760

	St	atement of finan	cial position	
	31 Mar	ch 2021	31 Mar Sh."000"	ch 2020
Assets:	Sh."000"	Sh."000"	Sh."000"	Sh."000"
Non-current assets:			0°	
Property, plant and equipment		5,760	<b>&gt;</b> `	3,720
Investment property		840		800
		6,600		4,520
Current assets:		NC2		,
Inventory	2,420		1,620	
Trade receivables	960	الم الم	1,080	
Income tax asset	n	7-	100	
Bank	20	_3,400	_	2,800
Total assets	all of	10,000	<del></del>	7,320
Equity and liabilities:	" No			
Equity:	*®			
Ordinary shares of Sh.2 each	Mr.	2,000		1,200
Share premium	1,200		-	
Revaluation reserve	300		100	
Retained earnings	<u>2,880</u>	4,380	<u>2,620</u>	2,720
85		6,380		3,920
Non-current assets: Property, plant and equipment Investment property  Current assets: Inventory Trade receivables Income tax asset Bank Total assets Equity and liabilities: Equity: Ordinary shares of Sh.2 each Share premium Revaluation reserve Retained earnings  Non-current liabilities: 6% loan notes Deferred tax Current liabilities;				,
6% loan notes	-		800	
Deferred tax	<u> 100</u>	100	60	860
Current liabilities:				
Trade payables	2,820		2,100	
Bank overdraft	-		240	
Warranty provision	400		200	
Current tax payable	<u>300</u>	3,520	<u> </u>	2,540
Total equity and liabilities		<u>10,000</u>		7,320

## Additional information:

- 1. An item of plant with a carrying amount of Sh.480,000 was sold at a loss of Sh.180,000 during the year ended 31 March 2021. Depreciation of Sh.560,000 was charged (to cost of sales) for property, plant and equipment in the year ended 31 March 2021. There are no purchases or sales of investment property during the year.
- 2. The 6% loan notes were redeemed early incurring a penalty payment of Sh.40,000. This amount was charged as an administrative expense in the income statement.
- 3. There was an issue of shares on 1 October 2020. There was no bonus issue during the year.
- 4. Jolly Ltd. gives a twelve month warranty on some of the products it sells. The amount shown in current liabilities warranty provision is an accurate assessment based on past experience of the amount of claims likely to be made in respect of warranties outstanding at each year end. Warranty costs are included in cost of sales.
- 5. A dividend of Sh.0.3 per share was paid on 1 January 2021.

### Required:

Statement of cash flows for the year ended 31 March 2021 in accordance with International Accounting Standard (IAS) 7, "Statement of Cash Flows".

(16 marks) (Total: 20 marks)

## **QUESTION FOUR**

- (a) Discuss three barriers that could hinder harmonisation of international financial reporting standards. (6 marks)
- (b) The income statements for MG Ltd., RG Ltd and CG Ltd. for the year ended 31 December 2020 are shown below:

	MG Ltd.	RG Ltd.	CG Ltd.
	Sh."000"	Sh."000"	Sh."000"
Revenue	4,000	1,500	1,200
Cost of sales	(2,300)	(1,000)	(800)
Gross profit	1,700	500	400
Distribution costs	(900)	(120)	(80)
Administrative expenses	(350)	(150)	(100)
Other income	70	<del>-</del>	` -
Profit before tax	520	230	220
Income tax expense	(250)	(80)	(100)
Profit for the year	270	150	120

### Additional information:

- 1. MG Ltd. acquired 70% of the ordinary share capital of RG Ltd. of 1 January 2019 for Sh.8,200,000. At the date of acquisition, the net assets of RG Ltd. were assessed to have a fair value of Sh.10,000,000. The only fair value adjustment required on acquisition related to depreciable assets (see note 2 below). The group policy is to value non-controlling interest at fair value at the date of acquisition. The fair value of the non-controlling interest at the date of acquisition was Sh.2,200,000.
- 2. At the date of acquisition, depreciable assets of RG Cid. with a remaining useful life of 6 years, had a fair value of Sh.240,000 more than their book value. The group policy is to depreciate non-current assets on a straight line basis over the remaining economic useful life. Depreciation is to be charged to administrative expenses.
- 3. No impairment of goodwill arose in the year ended 31 December 2019. However, an impairment, review conducted on 31 December 2020 showed goodwill being impaired by 15%. Impairment losses are to be charged to administrative expenses.
- 4. MG Ltd. acquired 40% of the ordinary share capital of CG Ltd. on 1 October 2020. MG Ltd. is now able to exercise significant influence over the operating and financial policies of CG Ltd.
- 5. During the year ended 31 December 2020, MG Ltd. and RG Ltd. paid ordinary dividends of Sh.300,000 and Sh.100,000 respectively. Income from investments is included within other income.
- 6. RG Ltd. sold goods to MG Ltd. on 1 November 2020 with a sales value of Sh.140,000. Half of these goods remained in MG Ltd.'s inventories at the year end. RG Ltd. makes 20% profit margin on all sales.

#### Required:

Consolidated income statement for the MG group for the year ended 31 December 2020.

(14 marks)

(Total: 20 marks)

## **QUESTION FIVE**

- (a) Evaluate two challenges that a financial analyst might encounter when using the equity method to account for associates and jointly controlled entities. (4 marks)
- (b) Big Guy company is evaluating a lease arrangement being offered by Systemia Company for use of a computer system. The lease is non-cancellable, and in no case does Big Guy Company receive title to the computers during or at the end of the lease term. The lease will commence on 1 January 2022 with the first rental payment due on 1 January 2022.

Additional information relating to the lease is as follows:

Yearly rental Sh.3,557,250
Lease term 3 years
Estimated economic life 5 years

Purchase option Sh.3,000,000 at the end of 3 years, which approximates fair value

Renewal option 1 year at Sh.1,500,000, no penalty for non renewal; standard renewal clause Sh.10,000,000 Fair value at inception of lease Cost of asset to lessor Sh.10,000,000 Residual value: Guaranteed Sh.3,000,000 Unguaranteed Lessor's implicit rate (known by the lessee) 12% Executory costs paid by lessor: Estimated to be Sh.500,000 per year (included in rental equipment) Sh.3,000,000 Estimated fair value at the end of lease Required: Using the four criteria for capitalisation of leases, analyse the above lease arrangement. (6 marks) The following financial information was extracted from the books of Jaxx Ltd.: Sh. Long term debt Notes payable, 10% 1,000,000 5,000,000 8% convertible bonds payable 10% bonds payable 6,000,000 Total long term debt 12,000,000 Shareholders' equity Preference shares, 6% cumulative, Sh.50 par value 100,000 shares authorised, 25,000 shares issued 1,250,000 and outstanding Ordinary shares Sh.1 par, 10,000,000 shares authorised, 1,000,000 shares issued and outstanding 1,000,000 Additional paid in capital 4,000,000 6,000,000 Retained earnings 12,250,000 Total shareholders' equity Additional information: Options were granted on 1 January 2020 to purchase 200,000 shares at Sh.15 per share. Although no options were exercised during the financial year 2020, the average price per ordinary share during the financial year 2020 was Sh.20 per share. Each bond was issued at face value. The 8% convertible bond will convert into ordinary shares at 2. 50 shares per Sh.1,000 bond. The bonds were exercisable after 5 years and were issued in 2019. 3. The preference shares was issued in 2019. 4. There are no preference dividend in arrears; however, preference dividends were not declared in the year ended 31 December 2020. 5. The 1.000.000 ordinary shares were outstanding for the entire year 2020. The net income for the year ended 31 December 2020 was Sh.1,500,000 and the tax rate is 30%. 6. Required: For the year ended 31 December 2020, calculate the following: (i) Basic earnings per share (BEPS). (2 marks) (ii) Diluted earnings per share (DEPS). (6 marks) Explain how the conversion feature of convertible debt has value: (i) To the issuer. (1 marks) (ii) To the purchaser. (1 mark) (Total: 20 marks)

(c)

(d)

# Present Value Interest factor of 1 Received at the End of *n* Periods at r Percent:

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

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	0.0804	6.0691	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
															5.					
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	0.0688	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	99560	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	0.0632	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
												C	ر ال							L
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	3 7054	0.0035	0.0022	0.0014	0.0009	0.0006	•	,	•	

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	•	*	*	*
Period																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	A 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
						<u> </u>	4 7005	4 0000		4.0550	4 2005		7.0075	2 2027	2 70 45	2 2247	2 2255	2 0205	20544	3.6437
7	5.7955	5.6014 6.4720	5.4172 6.2303	5.2421 6.0021	5.0757 5.7864	4.9173 5.5824	4.7665 5.3893	4.6229 5.2064	4.4859 5.0330	4.3553 4.8684	4.2305 4.7122	4.1114 4.5638	3.9975 4.4226	3.8887 4.2883	3.7845 4.1604	3.6847 4.0386	3.3255 3.6046	3.0205	2.9514 3.1611	2.6427 2.8021
8	6.7282 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
<u> </u>		0.0020	0.0010	CO																
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	<b>-5.1971</b>	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
<del> </del>	44.740	42.570	42 564	44.053	40.020	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
16	14.718 15.562	13.578 14.292	12.561 13.166	11.652 12.166	10.838	10.106	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
	Ť																			
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	25.908	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