



บดุชสาหรบแบลคะแนน ๆ	г	หเบนจานวนร	อบละทอบได

In Hen	ry E. Garrett	เนทนงกอ Stat	istics in Psychology	and Education.
คะแนน T	% ที่อยู่ใต้	1	กะแบน T	% ที่อยู่ใต้
10	0032		50	5000
11	0048		51	53.98
12	007		52	57.93
13	011		53	61.79
14	016		54	65.54
15	023		55	69.15
16	034		56	72.57
17	048		57	75.80
18	069		58	78.81
19	097		59	81.59
20	13		60	84.13
21	19		61	86.43
22	26		62	88.49
23	35		63	90.32
24	.47		64	91.92
25	.62		65	93.32
26	.82		66	94.52
27	1.07		67	95.54
28	1.39		68	96.41
29	1.79		69	97.13
30	2.28		70	97.72
31	2.87		71	98.21
32	3.59		72	98.61
33	4.46		73	98.93
34	5.48		74	99.18
35	6.68		75	99.38
36	8.08		76	99.53
37	9.68		77	99.65
38	11.51		78	99.74
39	13.57		79	99.81
40 41 42 43 44 45 46 47 48 49	15.87 18.41 21.19 24.20 27.43 30.85 34.46 38.21 42.07 46.02		80 81 82 83 84 85 86 87 88 89 90	99.865 99.913 99.931 99.952 99.966 99.977 99.984 99.9890 99.9928 99.9928 99.9952 99.9968

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"กะแนน T ในบัญร์นี้ ก็อ Normalized T-score หรือ T ปรกก

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ITEM ANALYSIS TABLE

A table of item-difficulty and item-discrimination indices for given proportions of success in the highest 27 per cent and the lowest 27 per cent of a normal bivariate population

CHUNG-TEH FAN

Preface

With the increasing use of the high-low-27-per-cent group method of item analysis there has developed a need for a ready means of translating the observed proportions of success in the two extreme groups into measures of item difficulty and item discrimination. The present table has been prepared to provide estimates of these two measures.

In the table, the values of \mathbf{p} are the proportions of correct responses in the total (100 per cent) sample which were estimated from $\mathbf{p}_{\mathbf{H}}$ and $\mathbf{p}_{\mathbf{L}}$, the proportions of correct responses in the highest 27 per cent and lowest 27 per cent, respectively. The estimation of \mathbf{p} introduces a special problem. A rough estimate of \mathbf{p} could be made by averaging the values $\mathbf{p}_{\mathbf{H}}$ and $\mathbf{p}_{\mathbf{L}}$, as has been done in other tables of the present type. It has been observed, however, that this estimate is subject to systematic error, particularly in the cases of extreme values of \mathbf{p} and $\mathbf{p}_{\mathbf{L}}$ overestimates values of \mathbf{p} less than .50 and underestimates values of \mathbf{p} greater than .50. Accordingly, the values of \mathbf{p} in the present table have been computed from tables of the normal bivariate distribution, and are thus free from this type of error.

The discrimination index, \mathbf{r} , is the correlation which corresponds to the given values of \mathbf{p}_{H} and \mathbf{p}_{L} in a normal bivariate distribution. It is the correlation between the criterion score, which forms the basis for the selection of the high and low 27-per-cent groups, and the continuous score assumed to underlie responses to the items.

Inasmuch as this table was originally prepared for use by the Educational Testing Service, where item difficulty is expressed in terms of "delta" (Δ), a brief explanation of this statistic is given here. Delta is related in the following manner to the normal deviate, **x**, corresponding to **p**:

$\Delta = 13 + 4x,$

where \mathbf{x} is taken as positive for \mathbf{p} 's less than .50 and negative for \mathbf{p} 's greater than .50. Thus delta increases with increasing item difficulty. The parameters, 13 and 4, are arbitrar \neq numbers which serve to eliminate negative values and to provide a sufficiently broad range that only integral values could be used if desired. The principal advantage of delta over \mathbf{p} lies in the fact that equal increments in delta, unlike \mathbf{p} , may reasonably be assumed to represent equal increments in difficulty. This characteristic of linearity of delta permits comparisons to be made between groups taking different test forms.

Every precaution has been taken to ensure the accuracy of this table. Major calculations were performed by means of punched-card procedures. Later, large-scale graphs were employed, and each reading therefrom was made by two individuals, the author and a trained computer. All the entries in the table were originally recorded to at least three significant figures, then rounded.

Special acknowledgement is due Dr. Ledyard R Tucker and Dr. Frances Swineford for numerous helpful suggestions.

> C. T. Fan 221

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Example

Given an item for which p_H = .58, p_L = .20.

On page 12 (for $\mathbf{p}_{\mathbf{L}}$ = .16 – .20) in the row for $\mathbf{p}_{\mathbf{H}}$ = .58 and the columns for $\mathbf{p}_{\mathbf{L}}$ = .20 we find

p = .38, r = .40, $\triangle = 14.2$.

If $\mathbf{p}_{\mathbf{L}}$ is greater than $\mathbf{p}_{\mathbf{H}}$ as for example, $\mathbf{p}_{\mathbf{H}} = .20$, $\mathbf{p}_{\mathbf{L}} = .58$, use the same figures found from the example above, but change the sign of **r**. Thus we have

p = .38, r = .40, $\triangle = 14.2$.

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areas and a	10000	096-75			100.00		1000	COMPO.	COL ST.	2 stat	ř.	Solution of		234 AM	07080	
.99	.50	.93	13.0	.52	.92	12.8	.54	.92	12.6	.55	.91	125	.57	.90	123	.99
.97	.46	.92	13.4	.48	.90	13.2	.50	.89	13.0	.51	.88	12.9	.54	.89	12.6	.98
.96	.45	.91	13.5	.47	.89	13.3	.49	.88	13.1	.50	.87	13.0	.51	.86	129	.96
.95	.43	.90	13.7	.46	.89	13.4	.47	.87	13.3	.49	.86	13.1	.50	.85	13.0	.95
.93	41	.90	13.8	45	.88	13.5	46	87	13.4	.48	.86	13.2	.49	.84	13.1	.94
.92	.41	.89	14.0	.43	.87	13.7	.44	.85	13.6	46	.84	13.4	47	.83	13.3	.93
.91	.40	.88	14.0	.42	.86	13.8	.44	85	13.6	.45	.83	13.5	.46	.82	13.4	.91
.90	.19	.88	14.1	.41	.86	13.9	.43	.84	13.7	.44	.83	13.6	.45	.82	13.5	.90
.89	.38	.87	14.2	.40	.85	14.0	42	84	13.8	.43	.82	13.7	45	.81	13.5	.89
.87	.37	.87	14.3	.39	.84	14.1	41	82	14.0	42	81	13.8	43	.80	13.6	.86
.86	.36	.86	14.4	.38	.84	14.2	.40	.82	14.0	.41	.80	13.9	.42	.79	13.8	.86
.85	.36	.86	14.5	.38	.83	14.3	.39	.81	14.1	.41	.80	14.0	.42	.78	13.8	.85
.84	.35	.85	14.5	.37	.83	14.3	.39	.81	14.2	.40	.79	14.0	.41	.78	13.9	.84
82	.34	.85	14.7	.36	.82	14.5	.37	80	14.3	.39	.78	14.1	40	.77	14.0	83
.81	.33	.84	14.7	.35	.81	14.5	_37	.79	14.3	.38	.78	14.2	.39	.76	14.1	.81
.80	.33	.84	14.8	.35	.81	14.6	.36	.79	14.4	37	.77	14.3	.39	.75	14.2	.80
.79	.32	.84	14.9	34	.81	14.6	.36	.78	14.5	37	.37	14.3	.38	.75	14.2	.79
.77	31	.83	15.0	.33	.80	147	.35	37	14.6	.36	.76	14.5	37	74	14.3	.78
.76	.31	.82	15.0	.33	.79	14.8	.34	11	14.6	.35	.75	14.5	.36	.73	14.4	.76
.75	.30	.82	15.1	.32	.79	14.9	.34	.76	14.7	.35	.74	14.6	.36	.73	14.4	.75
73	.30	.82	15.2	.32	.79	15.9	33	.78	14.8	34	.74	14.6	35	.72	14.5	74
.72	.29	.81	15.3	.31	.78	15.0	32	.75	14.9	.33	.73	14.7	34	.71	14.6	.72
.71	.28	.81	15.3	30	.77	15.1	.32	.75	14.9	.33	.72	14,8	м	.70	14.7	.71
.70	.28	.80	15.4	.30	.77	15.1	.31	.74	15.0	.32	.72	14.8	.33	.70	14.7	.70
.69	27	.80	15.5	.29	.76	15.2	.31	.74	15.0	31	71	14.9	.33	.69	14.8	.69
.67	.26	.79	15.5	.28	.75	15.3	.30	.73	15.1	.31	70	15.0	.32	.68	14.9	.67
.66	.26	.79	15.6	.28	.75	15.4	.29	.72	15.2	.30	.70	15.1	31	.68	14.9	.66
.65	.25	.78	15.6	.27	.74	15.4	29	.72	15.3	.30	.69	151	.31	.67	15.0	.65
.63	.25	.78	15.8	26	74	15.5	.28	.71	15.4	29	.68	15.2	.30	.66	15.1	63
.62	.24	.77	15.8	.26	.73	15.6	.27	.70	15.4	.28	.68	15.3	.29	.65	15.2	.62
.61	24	,,,,	15.9	.25	.73	15.6	.27	.70	15.5	28	.67	15.3	.29	.65	152	.61
.60	.23	.76	15.9	.25	.72	15.7	.26	.69	15.5	27	.66	15.4	.29	.64	153	.60
.50	.22	.76	16.0	24	.71	15.8	.25	.68	15.6	27	.65	15.5	.28	.63	15.4	.59
.57	.22	.75	16.1	.24	.71	15.9	.25	.67	15.7	.26	.65	15.6	.27	.62	15.4	.57
.56	.22	.75	16.1	.23	.70	15.9	.25	.67	15.7	.26	.64	15.6		.62	15.5	.56
.55	.21	.74	16.2	.23	.70	16.0	.24	.66	15.8	.25	.64	15.7	.26	.61	15.5	.55
.53	20	74	16.3	22	.69	16.1	23	.65	15.9	.24	.62	15.8	25	.60	15.6	.54
.52	.20	.73	16.4	.22	.68	16.1	.23	.65	16.0	.24	.62	15.8	.25	.59	15.7	.52
.51	.20	.73	16.4	21	.68	16.2	.22	.64	16.0	.24	.61	15.9	.25	.59	15.7	.51

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50 49 48	.19 _19 _18	.72	16.5 16.5 16.6	21 20 20	.67 .67 .66	16.2 16.3 16.4	22 .22 .21	64 .63 .62	16.1 16.1 16.2	.23 .23 .22	.61 .60 .59	15.9 16.0 16.0	.24 .24 .23	.58 .57 .57	15.8 15.9 15.9	
46	.18	.71	16.6	.19	.65	16.5	.20	.61	16.3	21	.58	16.2	22	.55	16.0	
45 44	.17 .17	.70	16.8 16.8	.19 .18	.65 .64	16.5 16.6	.20 .20	.51 .60	16.4 16.4	.21 .21	.57 .57	16.2 16.3	.22	.55 .54	16.1 16.1	
43 42 41	.17 .16 .16	.69 .68 .68	16.9 16.9 17.0	.18 .18 .17	.63 .63 .62	16.7 16.7 16.8	.19 .19 .18	.59 .59 .58	16.5 16.5 16.6	.20 .20 .19	.56 .55 .55	16.3 16.4 16.5	21 .21 .20	.53 .52 52	16.2 16.3 16.3	
40	15	·67	17.1	.17	.61 .61	16.8	.18	.57	16.7 16.7	.19	.54	16.5	.20	.51	16.4	
38 37 36	.15 .14 .14	.66 .65	17.2 17.3 17.3	.16 .15	.60 .60 .59	17.0 17.0 17.1	.17 .17 _16	.56 .55 .55	16.8 16.8 16.9	.18 .18 .17	.52 .52 .51	16.6 16.7 16.8	.19 .19 .18	.49 .48 .48	16.5 16.6 16.6	
35 34	.14 .13	.65	17.4	.15	.58 .57	17.1	.16	.54	17.0 17.0	.17	.50 .49	16.8	.18	.47 .46	16.7 16.8	
33 32 31	.13 .13 .12	.63 .63 .62	17.5 17.6 17.7	14 14 13	.57 .56 .55	17.3 17.3 17.4	.15 .15 .14	.52 .51 .51	17.1 17.2 17.2	.16 .15	.48 .48 .47	16.9 17.0 17.1	.17 .17 .16	.45 .44 .43	16.8 16.9 16.9	
30 29	.12 .11	.61 .61	17.8 17.8	.13 .13	.54 .54	17.5 17.6	.14 .14	.50 .49	17.3 17.4	.15 .15	.46 .45	17.2 17.2	.16 .15	.42 .41	17.0 17.1	
28 27 26	.11 _11 _10	.60 .59 .58	17.9 18.0 18.1	-12 -12 -11	.53 .52 .51	17.6 17.7 17.8	.13 .13 .12	.48 .47 .46	17.4 17.5 17.6	.14 .14 .13	.44 .43 .42	17.3 17.4 17.4	.15 .15 .14	.40 .39 .38	17.2 17.2 17.3	
25 24	_10 _10	.57	18.1 18.2	11 11	.50 .49	17,9	.12	.45 .44	17.7	.13	.41 .40	17.5	_14 _13	.37 .36	17.4 17.4	
23 22 21	.09 .09	.55	18.3	.10 .10	.48 .47 .46	18.0 18.1 18.2	.11	.43 .42 .41	17.9 18.0	.12 .12 .11	.39 .38 .36	17.8	.13 .12 .12	.35 .34 .33	17.5 17.6 17.7	
20 19	.08 .08	.53 .52	18.6	.09	45 44	18.3 18.4	.10 .10	.40 .38	18.1 18.2	.11	.35 .34	17.9 18.0	.12	.31 .30	17.8 17.9	
18 17 16	.08 .07 .07	.51 .50 .49	18.8 18.9 19.0	.09 .08 .08	43 ,42 ,40	18.5 18.6 18.7	.09 .09 .08	.36 .34	18.3 18.4 18.5	.10 .10 .09	.33 .31 .30	18.1 18.2 18.3	.10 .10	29 27 26	17.9 18.0 18.1	
15	.06 .06	.47 .46	19.1 19.2	.07 .07	.39 .37	18.8 18.9	.08 .08	.33 .31	18.6 18.7	.09 .08	.28 .26	18.4 18.5	.10 .09	.24 22	18.2 18.3	Ş
.13 .12 .11	.06 .05 .05	45 43 41	19.3 19.5 19.6	.07 .06 .06	.36 .34 .32	19.0 19.2 19.3	.07 .07 .07	.30 .28 .26	18,8 18,9 19,1	.08 .08 .07	.25 .23 .21	18.6 18.7 18.8	09 80. 80.	_19 _17	18.4 18.5 18.7	
.10	.05	.39	19.7	.05 .05	.30 .28	19.4 19.6	.06 .06	.24 .22	19.2 19.3	.07	.19 .16	19.0 19.1	.07 .07	_15 _12	18.8 19.0	
.08 .07 .06				.05	36	19.7	.05	.16	19.6	.06 .05	.11	19.3 19.4 19.6	.06 .05	.10 .07 .04	19.1 19.3 19.4	
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	.54 .52	.87 .86	12.6 12.8	.55 .53	.86 .85	125	.56 .54	.85 .84	12.4	.56	.85	12.4	.57 .56	.84 .83	12.3 12.4	.97 .96
	.51 .50	.84 .84	12.9	.52 .51	.84 .83	12.8	.53	.83 .82	12.7	.54 .53	.82 .81	12.6	55	82 80	12.5	.95
	.49 .48 .47	.83 .82 .81	13.1 13.2 13.3	.50 .49 .48	.82 .81 .80	13.0 13.1 13.2	.51 .50 .49	.81 .80 .79	12.9 13.0 13.1	.52 .51 .50	.80 .79 .79	12.8 12.9 13.0	.53 .52 .51	.79 .79 .78	12.7 12.8 12.9	.93 .92 .91
	.46	.80 .80	13.4	47 47	.79	13.3	48	.79	13.2	.49 .48	.78	13.1	.50	.17 .76	13.0	.90
	.45 .44 .44	.79 .78 .78	13.5 13.6 13.7	.46 .45 .45	.78 .77 .77	13.4 13.5 13.6	.47 .46 .45	.77 .76 .76	13.3 13.4 13.5	.48 .47 .46	.76 .75 .75	13.2 13.3 13.4	.48 .48 .47	.75 .74 .74	13.2 13.2 13.3	.88 .87 .86
e e	.43 .42	.77 .77	13.7 13.8	.44 .43	.76	13.6	.45 .44	.75	13.5	46	74	13.5	.46	.73 .72	13.4 13.4	.85 .84
	.42 .41 .40	.76 .75 .75	13.9 13.9 14.0	43 42 ,41	.75 .74 _73	13.8 13.8 13.9	43 43 42	.73 .73 .72	13.7 13.7 13.8	44 44 43	.72 .72 .71	13.6 13.6 13.7	45 44 44	.71 .71 .70	13.5 13.6 13.6	.83 .82 .81
	.40	.74 .73	14.0 14.1	.41 .40	.73 .72	14.0	.42 .41	.71	13.9	42 42	.70	13.8	43 43	.69 .68	13.7	.80 .79
1	.39 .38 .37	.73 .72 .72	14.2 14.2 14.3	.39 .38	.71 .71 .70	14.1 14.1 14.2	.40 .40 .39	.70 ,69 ,69	14.0 14.0 14.1	.41 .41 .40	.69 .68 .68	13.9 13.9 14.0	A2 A1 .41	.68 .67 .66	13.8 13.9 13.9	.78 .77 .76
	.37 .36	.71 .70	14.3 14.4	.38 .37	.70	14.2 14.3	.39 .38	.58 .67	14.1 14.2	.40 .39	.67 .66	14.1 14.1	.40 .40	.66 .65	14.0 14.0	.75 .74
	.36 .35 .35	.70 .69 .69	14.5 14.5 14.6	.37 .36 .36	.68 .68 .67	14.4 14.4 14.5	.38 .37 .37	.67 .06 .66	14.3 14.3 14.4	.38 .38 .37	.65 .65 .64	14.2 14.2 14.3	.39 .39 .38	.64 .63 .63	14.1 14.2 14.2	.73 .72 .71
	.34 .34	.68 .67	14.6 14.7	.35 .35	.66 .66	14.5 14.6	36 .36	.05	14.4	.37 .36	.63 .63	14.3 14.4	.38 .37	.62 .61	14.3 14.3	.70 .69
	.33 .33 .32	.67 .66 .66	14.7 14.8 14.8	.34 .34 .33	.65 .64	14.7	.35 .35 .34	.64 .63 .62	14.5 14.6 14.6	.36 .35 .35	.61 .61	14.5 14.6	.37 .36 .36	.61 .60 .59	14.4 14.5	.68 .67 .66
	.32 .31	.65 .64	14.9 14.9	.33 .32	.63 .63	14.8 14.8	.34 .33	.62	14.7 14.7	.34	.60	14.6	.35	.59 .58	14.5 14.6	.65
	.31 .30 .30	.64 .63 .63	15.0	.32 .31 .31	.61 .61	14.9 14.9 15.0	.33 .32 .32	.60	14.9	.33 .32	.59 .58 .57	14.8	.34 .33	.57 .56	14.7	.63 .62 .61
	.30 .29	.62 .61	15.2	.30	.60	15.1	31	.58	15.0	.32	.57	14.9	.33 .32	.55 .54	14.8	.60
	28 28	.60 .59	15.3 15.4	.29 .28	.58	15.2	30	.56	15.1	.31 .30	.55	15.0	.31 .31	.53 .52	14.9 15.0	.57 .56
	.27 .27 26	.59 .58	15.4 15.5 15.5	.28 .28 .27	.57	15.3 15.4 15.4	.29 .28 .28	.55 .54	15.2 15.3 15.3	.30 29 29	.53 .52	15.1 15.2 15.3	.30 .30 29	.51 .51	15.1 15.1 15.2	.55 .54
	.26	.57	15.6	27	.55	15.5	.28	.53	15.4	,28 ,28	50	15.4	29	.40	15.2	.52

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		15	06		, Г	07 EF		L S	08		L.	00		L.	10	5911
a n de	* P			2 P.			P	T.		P.			19	200	. А _.	
.50	.25	.56	15.7	26	.53	15.6	.27	.51	15.5	.27	.50	15.4	.28	.48	15.3	
.48 .47	24	.54	15.8	.25	52	15.7	.26	.50	15.6	26	48	15.5	27	.48	15.4	
.46	.23	.53	15.9	.24	.50	15.8	.25	.46	15.7	.26	.46	15.6	.26	.44	15.5	
.45	.23	.52	16.0	.24	.50	15.9	24	.48	15.8	.25	46	157	.26	.44	15.6	
.43	.22	.51	16.1	.23	.48 .47	16.0	24	46	15.9	.24	44	15.8	25	.42	15.7	
.41	.21	.49	16.2	.22	A7	16.1	.23	.44	16.0	.23	.42	15.9	.24	.40	15.8	
.40	.21	48	16.3	.21	.46	16.2	22	.43	16.1	.23	.41 .41	16.0	24	.39	15.9	
.38	.20	.47	16.4	21	.44	16.3	.21	.42	16.2	.22	.40	16.1	23	.38	16.0	
.36	.19	45	14.5	20	.42	16.4	.21	.40	16.3	.21	.38	16.2	22	.36	161	
.35	.19 18	44	16.6	.19	.42	16.5	.20	39	16.4	.21	.37	16.3	.21	.35	16.2	
.33	.18	.42	16.7	18	40	16.6	.19	.37	16.5	.20	.35	16.4	20	.33	16.3	
.31	.17	.40	16.8	.18	.38	16.7	-18	.35	16.6	.19	.33	16.5	20	.31	16.4	
.30	.17	39 39	16.9	.17	.37	16.8 16.8	-18	.34	16.7	.19	32	16.6	19	.30	16.5	
.28	.16	.38	17.0	.16	.35	16.9	17	.32	16.8	18	.30	16.7	.18	.28	16.6	
.26	_15	.35	17.2	.16	.32	17.1	16	.30	16.9	17	.28	16.8	.17	.25	16.8	
.25	.14 .14	.34	17.3	.15	.31	17.1	.16	.29 28	17.0	.16	.27	16.9	.17	.24	16.8	
.23	14	32 .31	17.4	14	.29 .28	17.3 17.4	.15	.26 .25	17.2	.16	.24	17.1	.16	.22	17.0	
.21	.13	.30	17.6	.13	27	17.4	14	.24	17.3	.15	.21	17.2	.15	.19	17.1	
.20 .19	.12	.28	17.6	13 13	.25	17.5 17.6	.14	22	17.4	.14	.20	17.3 17.4	.15	_18 _16	17.2	
_18 _17	11	.25 .24	17.8	.12	.22	17.7 17.£	.13	.20	17.6	.13	.17	17.4	.14	.15	17.3	
.16	.11	.23	18.0	.11	.19	17.9	_12	.16	17.2	12	.14	17.6	.13	.12	17.5	
.15	.10	.21	18.1	.11	.18 .16	18.0 18.1	.11 .11	.15 .13	17.8	.12	.12	17.7	.12	.10	17.6	
.13	.09	.17	18.3	.10	.14	18.2	.10	.11	18.0 18.1	.10	.09 .07	17.9	.11	.06	17.8	
.11	.08	.13	18.5	.09	.10	18.4	.09	.07	18.2	.10	.05	18.1	.10	.02	18.0	
.10	.08	.11	18.7	80.	.08 .05	18.5	.09 .08	.05	18.4	.09 .09	.02 .00	18.2 18.4	.10	.00	18.1	
.08	.07	.06	18.9	.07	.03	18.8	.08	.00	18.6	÷	98					
	100		19.2				10.00						12			65
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Long-series

PHE	P	L.I.	44 	in P	L	14 		L F	A	P		4	P AP		5	- Pi
A CONTRACTOR OF CONTRACTOR	DOM NO.	10000	and the second s	COLUMN ST	- AND THE	100000000				III III III	No.	100			1.1	100227021
.99	.62	.87	11.8	.63	.87	11.7	.63	.87	11.7	.64	.86	11.6	.64	86	11.5	
.97	.58	.84	12.2	.59	.83	12.1	.59	.82	12.0	.60	.82	12.0	.61	.81	11.9	
.96	.57	.82	12.3	.57	.82	12.3	.58	.81	12.2	.59	.80	121	.59	.80	12.0	1
.95	-55	.81	12.5	.56	.80	12.4	.57	.80	12.3	.58	.79	12.2	.58	.78	12.2	12
.93	.53	.79	12.7	.54	.78	12.6	.55	.77	12.5	.55	77	12.4	.56	36	12.4	
.92	.52	.78	12.8	.53	.77	12.7	.54	.76	12.6	.55	.76	12.5	.55	.75	12.5	- 9
,91	.52	.11	12.8	.52	.76	12.8	.53	.75	12.7	.94	.75	12.6	.54	.74	12.5	
.90	.51	.76	12.9	.52	.75	12.8	.52	.74	12.8	.53	.74	12.7	.54	.73	12.6	- 54
.89	.50	74	13.0	.50	.73	13.0	.51	.73	12.9	.51	.72	12.8	52	71	12.8	
.87	.49	.73	13.1	.49	.73	13.1	.50	.72	13.0	.51	71	12.9	.51	.70	12.9	
.86	.48	.73	13.2	.49	.72	13.1	.49	31	13.1	.50	.70	13.0	.51	.69	12.9	
.85	.47	.72	13.3	48	.71	13.2	.49	.70	13.1	.49	.69	13.1	.50	.68	13.0	
.84	47	.71	13.4	A7	.70	13.3	48	68	13.2	48	.68	13.1	49	.67	13.1	
82	.45	.69	13.5	.46	.68	13.4	.47	.67	13.3	.47	.67	13.3	.48	.65	13.2	
.81	.45	.69	13.5	.45	.68	13.5	.46	.67	13.4	.47	.66	133	47	.65	13.3	-
.80	.44	.68	13.6	.45	.67	13.5	.45	.66	13.5	.46	.65	13.4	.47	.64	13.3	
79	.43	.67	13.7	44	.66	13.6	.45	.65	13.5	40	.64	13.5	46	63	13.4	
.77	.42	.66	13.8	.43	.65	137	.44	.64	13.6	.44	.63	13.6	.45	.61	13.5	S 11
.76	.42	.65	13.8	.42	.64	13.8	.43	.63	13.7	.44	.62	13.6	.44	.60	13.6	
.75	.41	.64	13.9	.42	.63	13.8	.42	.62	13.8	.43	.61	13.7	.44	.60	13.6	
.74	.41	.64	14.0	41	62	139	.42	.61	13.8	43	.60	13.7	43	.59	13.7	
.72	.39	.62	14.1	.40	.61	14.0	.41	.60	13.9	.42	.59	13.9	,42	.57	13.8	14
.71	.39	.61	14.1	.40	.60	14.0	.40	.59	14.0	.41	.58	13.9	.42	.57	13.8	
.70	.38	.61	14.2	.39	.60	14.1	.40	.58	14.0	.41	.57	14.0	.41	.56	13.9	16
.69	.38	.60	14.2	.39	.59	14.2	.39	.58	14.1	.40	.56	14.0	.41	.55	13.9	1 33
.60	37	.59	14.3	.38	.57	14.3	.38	.56	14.2	.39	.55	14.1	.40	.53	14.0	
.66	.36	.58	14.4	.37	.57	14.3	.38	.55	14.2	.38	.54	14.2	.39	.53	14.1	1
.65	.36	.57	14.4	.37	.56	14.4	.37	.55	14.3	.38	.53	14.2	.39	.52	14.2	× 22
.64	.35	.56	14.5	.36	.55	14.4	.37	.54	14.3	37	.52	14.3	.38	.51	14.2	
.62	34	.55	14.6	.35	.54	14.5	.36	.52	14.5	.36	.51	14.4	.37	.50	14.3	
.61	.34	.54	14.7	.35	.53	14.6	.35	/52	14.5	.36	.50	14.4	.37	.49	14.4	1
.60	.33	.54	14.7	.34	.52	14.6	.35	.51	14.6	.35	.49	14.5	.36	.48	14.4	- 33
.59	.33	.53	14.8	.34	.51	14.7	.34	.50	14.6	.35	49	14.5	.36	.47	14.5	1.13
.57	.32	.51	14.9	.33	.50	14.8	.33	.48	14.7	.34	.47	14.6	.35	.46	14.6	
.56	.32	.51	14.9	.32	.49	14.8	.33	.48	14.8	.34	.46	14.7	.34	.45	14.6	1 8
.55	.31	.50	15.0	.32	.48	14.9	.32	.47	14.8	.33	.45	14.7	.34	.44	14.7	
53	31	.49	15.0	31	47	15.0	.32	45	14.9	.33	40	14.8	.33	.43	14.8	
.52	.30	.48	15.1	.30	.46	15.1	.31	.44	15.0	.32	.43	14.9	.32	.41	14.8	
.51	.29	.47	15.2	.30	.45	15.1	.31	.44	15.0	.31	.42	15.0	.32	.41	14.9	

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50 2 49 2 46 2 47 2 46 2 45 2 44 2 43 2 41 2 40 2 39 2 38 2 37 2 36 2	29 4 28 4 28 4 27 4 27 4 27 4 27 4 27 4 27 4 26 4 25 3 25 3 225 3 224 3 23 3 23 3 23 3 23 3 22 3 3	6 15.2 5 15.3 4 15.3 4 15.4 3 15.5 1 15.6 0 15.6 9 15.7 8 15.8 7 15.9 1 5.5	29 29 29 28 28 28 27 27 26 26 26 25	44 43 43 43 43 42 41 40 39 38 38 38 37	152 152 153 153 154 154 155 155	.30 .30 .29 .29 .28 .28 .28	A3 A2 A1 A0 39	110 -2) 15.1 15.1 15.2 15.2 15.3	30 30 30 30	41 40 39 39	15.0 15.1 15.1 15.2	.31 .31 .30 .30	40 .39 .38 .37	14.9 15.0 15.1 15.1	Pi
50 2 A9 3 A8 2 A7 2 A6 2 A5 2 A4 2 A4 2 A4 2 A4 2 A1 2 A1 2 39 2 38 2 37 2 36 2	29 4 28 4 27 4 27 4 27 4 27 4 27 4 27 4 25 3 25 3 25 3 225 3 224 3 23 3 23 3 23 3 22 3	6 15.2 5 15.3 4 15.3 4 15.4 3 15.5 1 15.6 0 15.6 9 15.7 8 15.8 7 15.9 1 5.5	.29 .29 .28 .28 .28 .27 .27 .26 .25	44 43 42 41 .40 .39 .38 .38 .37	152 152 153 153 154 154 155 155	.30 .30 .29 .29 .29 .28 .28 .28	.43 .42 .41 .40 .39	15.1 15.1 15.2 15.2 15.3	.30 .30 .30	.41 .40 .39 .39	15.0 15.1 15.1 15.2	.31 .31 .30	.40 .39 .38 .37	14.9 15.0 15.1 15.1	
.45 .1 .44 .2 .43 .2 .42 .2 .41 .2 .39 .2 .39 .2 .36 .2 .36 .2	27 4 26 4 25 3 25 3 25 3 24 3 23 3 23 3 23 3 22 3	2 15.5 1 15.6 0 15.6 9 15.7 8 15.7 8 15.7 8 15.8 7 15.9	27 27 26 26 25	.40 .39 .38 .38 .37	15.4 15.5 15.5	.28 27				.38	15.2	.30	.36	15.2	.4
40 2 39 2 38 2 37 2 36 2	24 .3 24 .3 23 .3 23 .3 23 .3	8 15.8 7 15.9	-		15.7	.27 .26 .26	.39 .38 .37 .26 .35	15.4 15.4 15.5 15.5 15.6	.28 .28 .28 .27 .27	.37 .36 .35 .34 .33	15.3 15.3 15.4 15.5 15.5	.29 .29 .28 .28 .28 .27	.35 .34 .34 .33 .32	15,2 15,3 15,3 15,4 15,4	
12 12		5 16.0 4 16.0	24 24 24 23	.36 .35 .34 .33 .32	15.7 15.8 15.8 15.9 15.9	.25 .25 .25 .24 .24	.34 .33 .32 .31 .30	15.6 15.7 15.7 15.8 15.9	26 .26 .25 .25 .24	.32 .31 .31 .30 .29	15.6 15.6 15.7 15.7 15.8	.27 .26 .26 .25 .25	.31 .30 .29 .28 .27	15.5 15.5 15.6 15.6 15.7	****
35 2 34 2 33 2 32 2 31 2	22 .3 22 .3 21 .3 21 .3 21 .3 20 .2	3 16.1 2 16.2 1 16.2 0 16.3 9 16.3	23 .22 .22 .21 .21	.31 .30 .29 .28 .27	16.0 16.1 16.1 16.2 16.3	.23 .23 .22 .22 .21	.29 .28 .27 .26 .25	15.9 160 161 161 162	.24 23 23 23 23 22	28 27 26 25 23	15.9 15.9 16.0 16.0 16.1	24 24 23 23	26 .25 .24 .23 .22	15.8 15.8 15.9 15.9 16.0	2 3 3 3 3
30 .2 29 .1 28 .1 27 .1 26 .1	20 2 19 2 19 2 19 2 18 2 18 2	8 16.4 7 16.5 6 16.5 4 16.6 3 16.7	.20 .20 .20 .19 .19	26 25 24 23 21	16.3 16.4 16.4 16.5 16.6	.21 .20 .20 .20 .19	.24 .23 .22 .21 .19	16.2 16.3 16.4 16.4 16.5	22 21 21 20 20	.22 .21 .20 .19 .18	16.1 16.2 16.3 16.3 16.4	.22 .22 .21 .21 .21	21 .19 .18 .17 .16	16.1 16.1 16.2 16.3 16.3	*****
.25 1 24 1 .23 1 .22 1 .21 1	18 .2 17 2 17 .2 16 .1 16 .1	2 16.7 1 16.8 0 16.9 8 16.9 7 17.0	.18 .18 .17 .17 .16	.20 .19 .18 .16 .15	15.6 16.7 16.8 16.8 16.9	.19 .18 .18 .17 .17	.18 .17 .16 .14 _13	16.6 16.6 16.7 16.8 16.8	.19 .19 .18 .18 .17	16 15 14 12	16.5 16.5 16.6 16.7 16.8	.20 .19 .19 .18 .18	15 13 12 11 09	16.4 16.5 16.5 16.6 16.7	****
20 1 19 1 18 1 17 1 16 1	15 .1 15 .1 14 .1 14 .1 13 .0	6 17.1 4 17.2 3 17.3 1 17.3 9 17.4	.16 .15 .15 .14 .14	.14 .12 .11 .09 .07	17.0 17.1 17.2 17.2 17.3	16 16 15 15 14	.12 .10 .09 .07	16.9 17.0 17.1 17.1 17.2	.17 .16 .16 .15 .15	.10 .08 .07 .05	16.8 16.9 17.0 17.1 17.1	.17 .17 .16 .16 .15	.06 .05 .03 .02	16.7 16.8 16.9 17.0 17.1	2 .1 .1 .1 .1
15 1 14 1 13 1 12 1 11 1	13 0 12 0 12 0 11 0	8 17.5 6 17.6 4 17.7 2 17.8 0 17.9	13 13 12 12	.06 .04 .02 .00	17.4 17.5 17.6 17 "	14 13 13	.04 .02 .00	17.3 17.4 17.5	.14 .14	.02 .00	17.2 17.3	.15	.00	17.1	1. 1. 1. 1. 1.
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Fi		E.	15		1	12.1	1	-95	10		1	19		ï.	20	
- Hog						₫A_		T	Δ.	P				1	4	100 Hereit
.99	.65	.85	11.5	.66	.85	11.4	.56	.85	11.3	.67	.84	11.3	.67	.84	11.2	.91
.97 .96	.61 .60	.81 .79	11.8	.62	.80 .79	11.8	.63	.82 .80 .78	11.5	.65 .63 .62	.79	11.7	.65 .63	.79 .77	11.6	.90
.95	.59	.78	12.1	.59		12.0	.60	.77	12.0	.61	.76	11.9	.61	.75	11.8	.9
.94	.58	.77	12.2	-58	.76	12.1	.59	.75	12.1	.60	.75	120	.60	.74	12.0	.94
.93	.56	.74	12.4	.57	73	12.3	.57	.73	12.3	.58	.72	12.2	.58	.71	12.0	.93
.91	.55	.73	12.5	.56	.72	12.4	.86	.72	12.4	.57	.71	12.3	.58	.70	12.2	.91
.90	.54	.72	12.6	.55	.71	12.5	.56	.71	12.4	.56	.70	12.4	.57	.69	12.3	.9
.88	.53	.70	12.7	.53	.69	12.7	.54	.68	12.6	.55	.68	12.5	.55	.67	12.5	.8
.87	.52 .51	.69 .68	12.8	.53	.68	12.7	.53	.67	12.7	.53	.65	12.6	.55	.65	12.5	.8
.85	.51	.67	12.9	.51	.66	12.9	.52	.65	12.8	.53	.65	12.7	.53	.64	12.7	.8
.84	.50	.66	13.0	.51	.65	12.9	.51	.65	12.9	.52	.64	12.8	.53	.63	12.7	.8
.82	.49	.65	13.1	.49	.64	13.1	.50	.63	13.0	.51	.62	12.9	.51	.61	12.9	.8
.81	.48	.64	13.2	.49	,63	13.1	.49	.62	13.1	.50	.61	13.0	.51	.60	12.9	.8
.80	.47	.63	13.3	.48	.62	13.2	.49	.61	13.1	.49	.60	13.1	.50	.59	13.0	.8
.78	.46	.61	13.4	.47	.60	13.3	.48	.59	13.2	.48	.58	13.2	.49	.57	13.1	.7
.77	.46 .45	.60 .60	13.4	.46	.59	13.4	.46	.57	13.4	.48	.56	13.2	48	.56	13.2	7
.75	.45	.59	13.6	.45	.58	13.5	.46	.57	13.4	.45	.56	13.4	.47	.55	13.3	, .7
.74	44	.58	13.6	45	.57	13.5	45	.26	13.5	.46	.55	13.4	A7 46	.54	13.4	7
.72	.43	.56	13.7	.44	.55	13.7	.44	.54	13.6	.45	.53	13.5	.45	.52	13.5	.7
.71	.42	.55	13.8	.43	.54	137	.44	.53	13.6	.44	.52	13.6	.45	.51	13.5	3
.70	.42	.55	13.8	.43	.54	13.8	.43	.52	13.7	.44	.51	13.6	.44	.50	13.6	.7
.69	41	.54	13.9	41	.53	13.8	.43	.52	13.7	.43	.51	13.7	44	.50	13.6	.6
.67	.40	.52	14.0	.41	.51	13.9	.42	.50	13.8	.42	.49	13.8	,43	.48	13.7	.6
.66	,40	.52	14.0	.40	.50	14.0	,41	.49	13.9	.42	,48	13.8	.42	.47	13.8	
.65	.39	.51	14.1	.40	.50	14.0	.41	.48	14.0	.41	.47	13.9	.42	.46	13.8	.6
.64	.39	.50	14.1	.39	.49	14.1	.40	48	14.0	.40	.46	14.0	41	45	13.9	.6
.62	.38	.48	14.2	.38	.47	14.2	.39	.46	14.1	.40	.45	14.1	.40	.44	14.0	.6
.61	:37	.48	14.3	.38	.46	14.2	.39	.45	14.2	.39	.44	14.1	.40	.43	14.0	.6
.60	.37	.47	14.3	.37	45	14.3	.38	44	14.2	.39	.43 .42	14.2	.39	.42	14.1	.6
.58	.36	.45	14.5	.36	.44	14.4	.37	.43	14.3	.38	.41	14.3	.38	.40	14.2	.5
.57	.35	.43	14.6	.35	.42	14.5	.36	.41	14.4	.37	.40	14.4	.38	.38	14.3	.5
.55	.34	.43	14.6	.35	.41	14.5	.36	.40	14.5	.36	.39	14.4	.37	.37	14.4	.5
.54	.34	.42	14.7	.35	.40	14.6	.35	.39	14.5	.35	.38	14.5	.36	.36	14.4	.5
.52	.33	.40	14.8	.34	.39	14.7	.34	.37	14.6	.35	.36	14.6	.35	.35	14.5	.5
.51	.32	-39	14.0		.38	14.8	.34	-30	14.7	.34	.35	14.5	.35	-34	14.6	.9

E.	p		λ.	P	T	A.C.	P	T	14	P	12	4	P	1		11
50 49 48 47 46	.32 .31 .31 .31 .30	.38 .37 .37 .36 .35	149 149 150 150	.33 .32 .32 .31 .31	.37 .36 .35 .34 .33	14.8 14.9 14.9 15.0 15.0	.33 .33 .32 .32 .31	.36 .35 .34 .33 .32	14.7 14.8 14.8 14.9 14.9	.34 .33 .33 .32 .32	.34 .33 .32 .32 .31	14.7 14.7 14.8 14.8 14.9	.34 .34 .33 .33 .32	.33 .32 .31 .30 .29	14.6 14.7 14.7 14.8 14.8	.50 49 48 47
45 44 43 42 41	.30 29 29 28 28	.34 .33 .32 .31 .30	15.1 15.2 15.2 15.3 15.4	.30 .30 .29 .29 .28	.32 .32 .31 .30 .29	15.1 15.1 15.2 15.2 15.3	.31 .30 .30 .29 .29	.31 .30 .29 .28 .27	15.0 15.1 15.1 15.2 15.2	.31 .30 .30 .29	.30 .29 .28 .27 .26	14.9 15.0 15.0 15.1 15.2	.32 .32 .31 .31 .30	28 .28 .27 .26 .25	14.9 14.9 15.0 15.0 15.1	40 44 43 43
40 39 38 37 36	27 27 26 26 25	29 28 27 26 25	15.4 15.5 15.5 15.6 15.6	.28 .27 .27 .27 .26	.28 27 .26 25 .24	15.3 15.4 15.5 15.5 15.6	.28 28 28 27 .27	26 .25 .24 .23 .22	15.3 15.3 15.4 15.4 15.5	.29 29 28 28 28 27	.25 .24 .23 .22 .21	15.2 15.3 15.3 15.4 15.4	.30 .29 .29 .28 .28	24 .23 .22 .21 .20	15.1 15.2 15.2 15.3 15.4	.44 .39 .38 .37 .31
.35 .34 .33 .32 .31	25 25 24 24 23	.24 .23 .22 .21 .20	15.7 15.8 15.8 15.9 15.9	26 25 28 24 24	23 22 21 20 .19	15.6 15.7 15.7 15.8 15.9	26 26 25 25 23	.21 .20 .19 .18 .17	15.5 15.6 15.7 15.7 15.8	27 26 26 25 25	.19 .19 .18 .17 .16	15.5 15.5 15.6 15.7 15.7	.27 .27 .26 .26 .25	.18 .17 .16 .15 .14	15.4 15.5 15.5 15.6 15.6	.38 .34 .33 .32 .31
.30 29 28 27 26	23 22 22 21 21	.19 .18 .17 .15 .14	16.0 16.1 16.1 16.2 16.3	23 23 22 22 21	.17 .16 .15 .14 .13	15.9 16.0 16.0 16.1 16.2	.24 23 23 .22 .22	-16 .15 .13 .12 .11	15.9 15.9 16.0 16.0 16.1	24 24 23 23 22	.14 .13 .12 .11	15.8 15.9 16.0 16.0	25 24 24 23 23	.13 .12 .10 .09	15.7 15.8 15.8 15.9 16.0	.30 .21 .21 .21 .21 .21
25 24 23 22 21	.20 .20 .19 .19 .18	.13 .12 .10 .09	16.3 16.4 16.5 16.5 16.6	21 20 20 .19 .19	.11 .10 .09 .07	16.2 16.3 16.4 16.5 16.5	21 21 20 20	.10 .08 .07 .06	16.2 16.2 16.3 16.4 16.4	.22 .21 .21 .20 .20	.08 .07 .06 .04	16.1 16.2 16.2 16.3 16.4	22 22 21 21 21 20	.07 .05 .04 .03 .01	16.0 16.1 16.2 16.2 16.3	2222
20 19 18 17 16	.18 .17 .17 .16 .16	,06 ,05 ,03 ,02	16.7 16.7 16.8 16.9 17.0	.18 .18 .17 .17	.05 .03 .02	16.6 16.7 16.7 16.8	.19 .18 .18	.03 .02 .00	16.5 16.6 16.7	_19 _19	.02 .00	16.4 16,5	.20	.00	16.4	2 .1 .1 .1 .1 .1
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																15
230											-				MR 30	03

Philip	p	L	14 A	P	т <u>,</u> -	4	and the second	L	4	P	Ъ. Т		-2	L	₽	A.
99	.68	.84	11.1	.68	.83	11.1	.69	.83	11.0	.89	82	11.0	.70	.82	10.9	.99
80	.66	.81	11.4	.66	.80	11.3	.67	.80	11.3	.67	.79	11.2	.68	.79	11.1	.98
96	.64	.77	11.5	.65	.78	11.6	.65	.76	11.5	.65	.75	11.5	.65	.74	11.4	.96
95	.62	.75	11.8	.62	.74	11.7	.63	.74	11.7	.64	.73	11.6	.64	.73	11.6	.95
94	.60	72	12.0	.60	.73	11.9	.61	71	11.9	.62	.70	11.8	.62	.70	11.8	.93
92 91	.59 .58	.71	12.1 12.2	.60 .59	.70	12.0	.60 .59	.69 .68	12.0	.61 .60	.69 .68	11.9	.61 .60	.68 -67	11.9	.92 .91
80	.57	.68	12.3	.58	.68	12.7	.59	.67	12.1	.59	.66	12.1	.60	.66	12.0	.90
89	.57	.67	12.3	.57	.67	12.3	.58	.66	12.2	.58	.65	12.2	.59	.64	12.1	.89
85	.56	.65	12.4	.56	.65	12.4	56	.64	12.4	.58	.63	12.3	.58	.62	122	.87
86	.54	.64	12.5	.55	.63	12.5	.56	.63	12.4	.56	.62	12.4	.57	.61	12.3	.96
85	54	.63	12.6	54	.62	12.6	.55	.61	12.5	.56	.60	12.4	.56	.60	12.4	.85
83	.52	.61	12.8	.53	.50	12.7	.54	.59	12.6	.54	.58	12.6	.55	.58	12.5	.83
82 81	.52 .51	.60	12.8	.52 52	.59 .58	12.8	.53 .52	.58	12.7	.53	.57	12.6	.54	.57	12.6	.82
80	.51	.58	12.9	.51	.57	12.9	.52	.56	12.8	.52	.56	12.8	.53	.55	12.7	.80
79	.50	.57	13.0	.51	.56	12.9	.51	.55	12.9	.52	.55	12.8	.52	.54	12.8	.79
78	49	.55	13.1	.49	.54	13.1	.50	.54	13.0	.51	.53	12.9	.51	.52	12.9	.77
76	.48	.55	13.2	.49	.54	13.1	.49	.53	13.1	.50	.52	13.0	.51	.51	12.9	.76
75	48	.54	13.2	.48	.53	13.2	.49	.52	13.1 13.2	.49	.51	13.1	.50 .49	.50	13.0	.75
73	.47	.52	13.3	.47	.51	13.3	.48	.50	13.2	.48	.49	13.2	.49	.48	13.1	.73
72	.45	.50	13.4	46	.50	13.4	.A7	.48	13.3	A7	47	13.3	.48	.46	13.2	.71
70	.45	.49	13.5	.46	.48	13.5	.46	.47	13.4	47	.46	13.3	.47	.45	13.3	.70
69	44	48	13.6	.45	47	13.5	45	45	13.5	.46	44	13.4	.46	A3	13.4	.68
67	43	47	13.7	.44	.46	13.6	.45	.45	13.5	.45	44	13.5	.46	43	13.4	.67
66	43	.46	13.7	.43	.45	13./		**	13.6	.45	**	13.5				
65	.42	.45	13.8	.43	.44	13.7	.43	.43	13.7	.44	.42	13.6	.45	.41	13.5	.65
64	42	44	13.8	.42	.43	13.8	.43	41	13.8	.43	40	13.0	44	.39	13.6	.63
.62	41	.42	13.9	.41 .41	A1 .40	13.9	.42	.40	13.8	.43 .42	.39	13.8 13.8	.43 .43	.38	13.7	.62
60	40		140	40	.39	14.0	.41	38	13.9	.42	.37	13.9	.42	.36	13.8	.60
59	.39	40	14.1	.40	.39	14.0	.40	.37	14.0	.41	.36	13.9	.42	.35	13.8	.55
58	.39	.39	14.1	.39	.38	14.1	.40	36	14.1	.41	.35	14.0	.41	.33	14.0	.58
.56	38	37	14.2	.38	.36	14.2	.39	.35	14.1	.40	.33	14.1	.40	.32	14.0	.50
.55	.37	.36	14.3	.38	.35	14.2	.38	.34	14.2	.39	.33	14.1	.40	.31	14.1	.51
.53	.36	.34	14.4	.37	.33	14.3	.37	.32	14.3	.38	.31	14.2	.39	.30	14.2	.51
.52 .51	.36	.33	14.5	.36 .36	.32	14.4	37	.31	14.3	.38	.30	14.3	.38	.29	14.3	.5



H ^Q I	p	9 L= T	.26 A-	P	ت: ب	-07 ▲) p	Ъ- Т-	.28 	P	°L= r	29.) P	⁹ Ն= т	06 (P _H -
								-								
.99	.70	.82	10.9	.71	.81	10.8	.71	,81	10.7	.72	.81	10.7	.72	.80	10.6	.99
.90	.00	./9	11.1	.09	./8	11.0	68	78	11.0	.70	.77	10.9	.70	.77	10.9	.98
.96	.66	.74	11.4	.66	.73	11.3	.67	.73	11.3	.67	.72	11.2	.69	.72	11.2	.96
.95	.65	.72	11.5	.65	.72	11.4	.66	.71	11.4	.66	.70	11.3	.67	.70	11.3	95
.94	.64	.70	11.6	.64	.70	11.5	.65	.69	11.5	.65	.69	11.4	.66	.68	11.4	.94
.93	.63	.69	11.7	.63	.68	11.6	.64	.68	11.6	.64	.67	11.5	.65	.66	11.5	.93
.92 .91	.62	.67	11.8 11.9	.62 .62	.67 .65	11.7	.63	.66	11.7 11.8	.63 .63	.66 .64	11.6 11.7	.64 .63	.65 .63	11.6 11.7	.92 .91
							1997 - 1997 -				- 11					
.90	.60	.65	12.0	.61	.64	11.9	.61	.63	11.8	.62	.63	11.8	.62	.62	11.7	.90
.89	.59	.64	12.0	.60	.63	12.0	.61	.62	11.9	.61	.61	11.9	.62	.61	11.8	.89
.00	.59	.61	12.1	.59	.02	12.1	.00	.01	12.0	.60	.00	12.0	.61	.60 59	11.9	.88
.86	.57	.60	12.3	.58	.59	·12.2	.58	.59	12.1		.58	12.1	.59	.57	12.0	.86
gE.	E7	50	12 2	87	. EQ	122	50	E7	122	EO		12.2	EA	F.C.	191	0.5
.85	.56	.58	12.3	.57	.58	12.3	.58	.56	12.3	.58	.57	12.2	.59	.55	12.1	.65
.83	.55	.57	12.5	.56	.56	12.4	.56	.55	12.3	.57	.54	12.3	.57	.54	12.2	.83
.82	.55	.56	12.5	.55	.55	12.5	.56	.54	12.4	.56	.53	12.4	.57	.52	12.3	.82
.81	.54	.55	12.6	.55	.54	12.5	.55	.53	12.5	.56	.52	12.4	.56	.51	12.4	.81
.80	.53	.54	12.6	.54	.53	12.6	.55	.52	12.5	.55	.51	12.5	.56	.50	12:4	.80
.79	.53	.53	12.7	.53	.52	12.7	.54	.51	12.6	.55	.50	12.5	.55	.49	12.5	.79
.78	.52	.52	12.8	.53	51	12.7	.53	.50	12.7	.54	.49	12.6	.54	.48	12.5	.78
.77	.52	.51	12.8	.52	.50	12.8	.53	.49	12.7	.53	.48	12.7	.54	.47	12.6	.77
./0	.51	.50	12.9		.49	12.0	.JZ	.40	12.0	.55	.47	12.7	.53	.40	12./	.70
.75	.51	.49	12.9	51	.43	12.9	.52	.47	12.8	.52	.46	12.8	.53	.45	12.7	.75
.74	.50	.48	13.0	51	.47	12.9	.51	.46	12,9	.52	.45	12.8	.52	.44	12.8	.74
72	.49	.4/	13.1	.50	.40	13.0	.51	.45	13.0	.51	44	12.9	.52	.43	12.8	72
.71	.48	.45	13.2	.49	.44	13.1	.49	.43	13.1	.50	.42	13.0	.51	.41	12.9	.71
70	40		199		43	193	40	42	121	40	A1	121	E0	40	120	70
.70	.40	.43	13.3	.48	.42	13.2	.48	.41	13.2	.49	.40	13.1	.43	.39	13.1	.69
.68	.47	.42	13.3	.47	.41	13.3	.48	.40	13.2	.48	.39	13.2	.49	.38	13.1	.68
.67	.46	.41	13.4	.47	.40	13.3	.47	.39	13.3	.48	.38	13.2	.48	.37	13.2	.67
.66	.46	.40	13.4	.46	,39	13,4	.47	.38	13.3	.47	.37	13.3	.48	.36	13.2	.66
.65	.45	.40	13.5	.46	.39	13.4	.46	.37	13.4	.47	.36	13.3	.47	.35	13.3	.65
.64	.45	.39	13.5	.45	.38	13.5	.46	.36	13.4	.46	.35	13.4	.47	.34	13.3	.64
.63	.44	.38	13.6	.45	.37	13.5	.45	.36	13.5	.46	.35	13.4	.46	.34	13.4	.63
.62	.44 .43	.37 . 36	13.6 13.7	.44	.36	13.6	.45 ,44	.35 .34	13.5 13.6	.45	.34 .33	13.5	.46 .45	.33 .32	13.4	.62 .61
										,						
.60	.43	,35	13.7	.43	.34	13.7	.44	.33	13.6	.44	.32	13.6	.45	.31	13.5	.60
.59	.42	.34	13.8	.43	.33	13.4	43	31	13.7	.44	.31	13.0	.44	.30	13.6	.59
.57	.41	.32	13.9	.42	.31	13.8	.42	.30	13.8	.43	.29	13.7	,43	.28	13.7	.57
.56	.41	.31	13.9	.41	.30	13.9	.42	.29	13.8	.42	.28	13.8	.43	.27	13.7	.56
.55	.40	.30	14.0	.41	29	13.9	.41	.28	13.9	.42	.27	13.8	.42	.26	13.8	.55
.54	.40	.29	14.0	.40	.28	14.0	.41	.27	13.9	.41	.26	13.9	.42	.25	13.8	.54
.53	.39	.28	14.1	.40	.27	14.0	.40	.26	14.0	.41	.25	13.9	.41	.24	13.9	.53
.52	.39 .38	.28 ,27	14.1 14.2	.39 .39	.26	14.1 14.1	.40	.25	14.0 14.1	.40 .40	.24 .23	14.0 14.0	.41	.23 .22	13.9 14.0	.52 .51
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 $P_{T} = .28$ 07 .50 .49 .48 .47 .38 .37 .37 .36 .36 14.3 14.3 14.4 14.4 14.5 .24 .24 .23 .22 .21 14.2 14.3 14.3 14.4 14.4 23 .22 .21 .20 .19 14.1 14.2 14.2 14.3 14.3 .22 .21 .20 .19 .18 14.1 14.1 14.2 14.2 14.3 14.0 14.1 14.1 14.2 14.2 .50 .49 ,39 ,38 ,38 ,37 ,37 .39 .39 .38 .38 .38 .21 .20 .19 .18 .17 .26 .25 .24 .23 .22 .38 .38 .37 .37 .36 .40 .39 .39 .38 .38 .48 .47 .46 .46 .20 .19 .18 .17 .16 .36 .36 .35 .35 .35 .18 .17 .16 .15 .14 14.4 14.5 14.5 14.6 14.6 .36 .35 .35 .34 .34 14.5 14.5 14.6 14.6 14.7 .37 .36 .36 .35 .35 .17 .16 .15 .14 .13 14.3 14.4 14.5 14.5 14.6 .37 .37 .36 .36 .35 .16 .15 .14 .13 .12 14.3 14.3 14.4 14.5 14.5 .35 .35 .34 .34 .33 .21 .20 .19 .18 .17 14.5 .45 .45 .44 .43 .42 .41 14.6 14.6 14.7 14.7 .44 .43 .42 .41 14.7 14.7 14.8 14.8 14.9 .16 .15 .14 .13 .12 .15 .14 .13 .11 .10 .34 .33 .33 .32 .32 .40 .39 .38 .37 14.8 14.8 14.9 14.9 15.0 14.7 14.8 14.8 14.9 14.9 .12 .11 .10 .09 .08 14.6 14.7 14.7 14.8 14.8 .11 .10 .09 .08 .07 14.6 14.6 14.7 14.7 14.8 .13 .12 .11 .10 .34 .34 .33 .33 .32 .35 .34 .34 .33 .33 .33 .33 .32 .32 .32 .31 .40 .39 .38 .37 .36 .33 .32 .32 .31 .31 .36 .07 .06 .05 .03 .02 15.0 15.1 15.1 15.2 15.2 .08 .07 .06 .05 .03 .31 .31 .30 .30 .29 14.9 15.0 15.1 15.1 15.2 14.9 14.9 15.0 15.0 15.1 .32 .32 .31 .31 .30 .06 .05 .03 .02 .01 14.8 14.9 14.9 15.0 15.0 .11 .09 .08 .07 .06 15.1 15.1 15.2 15.2 15.3 .32 ,31 .31 .30 .30 .35 .34 .33 .32 .09 .08 .07 .06 .05 .31 .30 .30 .29 .29 .35 .34 .33 .32 .31 .30 .30 .29 .29 .29 .31 15.3 15.4 15.5 15.5 15.6 .28 .28 .27 .27 .04 .02 .01 .00 15.3 15.3 15.4 15.5 .29 .28 .28 .02 .01 .00 15.2 15.3 15.3 .29 .29 .01 .00 15.2 15,2 .30 .29 .28 .27 .30 .00 15.1 .30 .29 .28 .27 .26 .28 .27 .27 .26 .26 .05 .04 .02 .01 .00 26 234 MR 303

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		P _T =	.31		Q.,	BY-		Pre	.33			.34		p, =	.35	a a start and a start of the
H	5			n						1					· · · ·	B
			Δ			A .			- Α.			Δ.	P.		- φ	
.99	.73	.80	10.6	.73	.80	10.5	.74	.79	10.5	.74	.79	10.4	.75	.78	104	99
.98	.71	.76	10.8	.71	.76	10.7	.72	.75	10.7	.72	.75	10.6	.73	.74	10.6	.98
.97	.69	.74	11.0	.70	.73	109	.70	.73	10.9	.71	.72	10.8	.71	.72	10.7	.97
.96	.68	.71	11.1	.69	./1	11.1	.69	.70	11.0	.70	.70	10.9	.70	.69	10.9	.96
.95	.67	.69	11.2	.68	.69	11.2	.68	.68	11.1	.69	.68	11.1	.69	.67	11.0	.95
.94	.66	.67	11.3	.67	.67	11.3	.67	.66	11.2	.68	.66	11.2	.68	.65	11.1	.94
.93	.64	.64	11.5	.65	.64	11.5	.65	.63	11.4	.66	.62	11.3	.67	.62	11.2	.93
.91	.64	.63	11.6	.64	.62	11.5	.65	.61	11.5	.65	.61	11.4	.66	.60	11.4	.91
90	63	61	11.7	63	61	116	64	60	116	64	50	11.5	65	50	11.5	90
.89	.62	.60	11.8	.63	.59	11.7	.63	.59	11.7	.64	.58	11.6	.64	.57	11.6	.89
.88	.61	.59	11.8	.62	.58	11.8	.62	.57	11.7	.63	.57	11.7	.63	.56	11.6	.88
.87	.61	.58	11.9	.61	.57	11.9	.62	.56	11.8	.62	.55	11.8	.63	.55	11.7	.87
.86	.60	.56	12.0	.60	.56	11.9	.61	.55	11.9	.62	.54	11.8	.62	.53	11.8	.86
.85	.59	.55	12.1	.60	.54	12.0	.60	.53	12.0	.61	.53	11.9	.61	.52	11.8	.85
.84	.59	.54	12.1	.59	.53	12.1	.60	,52	12.0	.60	.52	12.0	.61	.51	11.9	.84
.83 ·	.58	.53	12.2	.59	.52	12.1	.59	.51	12.1	.60	.50	12.0	.60	.50	12.0	.83
.82	.57	.52	12.3	.58	.50	12.3	.58	.49	12.2	.58	.48	12.2	.59	.47	12.1	.81
							'	••					-			
.80	.56	.50	12.4	.57	.49	12.3	.57	.48	12.3	.58	.47	12.2	.58	.46	12.2	.80
.79	.56	.40	12.4	.55	.40	12.4	.56	46	12.3	.57	.45	12.3	.58	.44	12.2	.75
.77	.54	.46	12.6	.55	.45	12.5	.55	,45	12.5	.56	.44	12.4	.57	.43	12.3	.77
.76	.54	.45	12.6	.54	.44	12.6	.55	44	12.5	.55	.43	12.5	.56	.42	12.4	.76
.75	.53	.44	12.7	.54	.43	12.6	.54	.43	12.6	.55	.42	12.5	.55	.41	12.5	.75
.74	.53	.43	12.7	.53	.42	12.7	.54	.41	12.6	.54	.40	12.6	.55	.40	12.5	.74
.73	.52	.42	12.8	.53	.41	12.7	.53	.40	12.7	54	.39	12.6	.54	.39	12.6	.73
.72	.52	.41 .40	12.8 12.9	.52 .52	.40	12.8	.53	.39 .38	12.7	.53	.38	12.7	.54	.37	12.6	.72
					'											
.70	.51	.39	12.9	.51	.38	12.9	.52	.37	12.8	.52	.36	12.8	.53	.35	12.7	.70
.69	.50	.38	13.0	.51	.3/	12.9	.51	30	12.9	.52	.35	12.8	.52	.34	12.8	.09
.67	.49	.36	13.1	.49	.35	13.1	.50	.34	13.0	.51	.33	12.9	.51	.32	12.9	.67
.66	.48	.35	13.2	.49	.34	13.1	.49	.33	13.1	.50	.32	13.0	.51	.31	12.9	.66
.65	.48	.34	13.2	.48	.33	13.2	.49	.32	13.1	.49	.31	13.1	.50	.30	13.0	.65
.64	.47	.33	13.3	.48	.32	13.2	.48	.31	13.2	.49	.30	13.1	.49	.29	13.1	.64
.63	.47	.32	13.3	.47	.31	13.3	.48	.30	13.2	.48	.29	13.2	.49	.28	13.1	.63
.62 .61	.46	.32 .31	13.4 13.4	.47 .46	.30 .30	13.3	.47	.29 .29	13.3	.48	.28	13.2	.48 .48	.27	13.2	.62
							к ^и ,									
.60	.45	.30	13.5	.46	.29	13.4	.46	.28	13.4	.47	.26	13.3	.47	.25	13.3	.60
.59	.45	.29	13.5	.40 <u>4</u> 5	.20	13.5	.40	26	13.4	.40	.20	13.4	.4/	.24	13.3	.59
.57	.44	.27	13.6	.44	.26	13.6	.45	.25	13.5	.45	.24	13.5	.46	.22	13.4	.57
.56	.43	.26	13.7	.44	.25	13.6	.44	.24	13.6	.45	.23	13.5	.45	.21	13.5	.56
.55	.43	.25	13.7	.43	.24	13.7	.44	.23	13.6	.44	.22	13.6	.45	.21	13.5	.55
.54	.42	.24	13.8	.43	.23	13.7	.43	.22	13.7	.44	.21	13.6	.44	.20	13.6	.54
.53	.42	.23	13.8	.42	.22	13.8	.43	.21	13.7	.43	.20	13.7	.44	.19	13.6	.53
.52 .51	.41 .41	.22 .21	13.9	.42 .41	.21 .20	13.8 13.9	. 42 ,42	.20 .19	13.8 13.8	.43 .42	.19 .18	13.7 13.8	.43 .43	.18 .17	13.7 13.7	.52 .51
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P _H	P	°L≕ r	3іс 	P	₽ _L = r	32	р	₽ L= r	33 	P	²⁹ L.= r	.34 2	P	91 T	35 -A	PH	
.50 .49 .48 .47 .46	.40 .40 .39 .39 .38	.20 .19 .18 .17 .16	14.0 14.0 14.1 14.1 14.2	.41 .40 .40 .39 .39	.19 .18 :17 .16 .15	13.9 14.0 14.0 14.1 14.1	.41 .41 .40 .40 .39	.18 .17 .16 .15 .14	13.9 13.9 14.0 14.0 14.1	.42 .41 .41 .40 .40	.17 .16 .15 .14 .13	13.8 13.9 13.9 14.0 14.0	.42 .42 .41 .41 .40	.16 .15 .14 .13 .12	13.8 13.8 13.9 13.9 14.0	.50 .49 .48 .47 .46	
.45 .44 .43 .42 .41	.38 .37 .37 .36 .36	.15 .14 .13 .12 .11	14.2 14.3 14.3 14.4 14.4	.38 .38 .37 .37 .36	.14 .13 .12 .11 .10	14.2 14.2 14.3 14.3 14.4	.39 .38 .38 .37 .37	.13 .12 .11 .10 .09	14.1 14.2 14.2 14.3 14.3	.39 .39 .38 .38 .37	.12 .11 .10 .09	14.1 14.1 14.2 14.2 14.3	.40 .39 .39 .38 .38	.11 .10 .09 .08 .06	14.0 14.1 14.1 14.2 14.2	.45 .44 .43 .42 .41	A second seco
.40 .39 .38 .37 .36	.35 .35 .34 .34 .33	.10 .09 .08 .07 .06	14.5 14.6 14.6 14.7 14.7	.36 .35 .35 .34 .34	.09 .08 .07 .06 .04	14,4 14,5 14,5 14,6 14,7	.36 .36 .35 .35 .34	.08 .07 .06 .04 .03	14.4 14.4 14.5 14.5 14.6	.37 .36 .36 .35 .35	.07 .05 .04 .03 .02	14.3 14.4 14.4 14.5 14.5	.37 .37 .36 .36 .35	.05 .04 .03 .02 .01	14.3 14.3 14.4 14.4 14.5	.40 .39 .38 .37 .36	
.35 .34 .33 .32 .31	.33 .32 .32 .31 .31	.04 .03 .02 .01 .00	14.8 14.8 14.9 14.9 15.0	.33 .33 .32 .32	.03 .02 .01 .00	14.7 14.8 14.8 14.9	.34 .33 .33	.02 .01 .00	14.7 14.7 14.8	.34 .34	.01 .00	14.6 14.7	.35	.00	14.5	.35 .34 .33 .32 .31	
	,) ,)	, ,	•	•.			•			•	×		•				
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х К.				<i>i</i> .													a serie de la constante de la c
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236		9. 	 -			· .					-				MR 3	03	

ч н.	, A	* L =	. 36	P	'i=	.97 		°ت ۲	.38 2	. P		.39 	9 2	L.	40	Pn
.99	.75	.78	10.3	.75	.78	10.2	.76	.77	10.2	.76	.77	10.1	.77	.76	10.1	.99
.98	.73	.74	10.5	.74	.74	10.5	.74	.73	10.4	.75	.73	10.4	.75	.72	10.3	.98
.97	.72	.71	10.7	.72	.71	10.6	.73	.70	10.6	.73	.70	10.5	.74	.69	10.5	.97
.96	.71	.69	10.8	.71	.68	10.8	.72	,68	10.7	.72	.67	10.7	.73	.66	10.6	.96
.95	.70	.66	10.9	.70	.66	10.9	.71	.65	10.8	.71	.65	10.8	.71	.64	10.7	.95
.94	.69	.64	11.1	.69	.64	11.0	.70	.63	11.0	.70	.63	10.9	.70	.62	10.8	. 94
.93	.68	.63	11.2	.68	.62	11.1	.69	.61	11.1	.69	.61	11.0	.70	.60	10.9	.93
.92	.67	.61	11.3	.67	.60	11.2	.68	.60	11.1	.68	.59	11.1	.69	.58	11.0	.92
.91	.66	.59	11.3	.67	.59	11.3	.67	.58	11.2	.68	.57	11.2	.68	.57	11.1	.91
.90 .89 .88 .87 .86	.65 .65 .64 .63 .63	.58 .56 .55 .54 .52	11.4 11.5 11.6 11.7 11.7	.66 .65 .64 .64 .63	.57 .56 .54 .53 .52	11.4 11.4 11.5 11.6 11.7	.66 .65 .64 .64	.57 .55 .54 .52 .51	11.3 11.4 11.5 11.5 11.6	.67 .66 .65 .65 .64	.56 .54 .53 .52 .50	11.3 11.3 11.4 11.5 11.6	.67 .67 .66 .65 .65	.55 .54 .52 .51 .49	11.2 11.3 11.4 11.4 11.5	.90 .89 .88 .87 .86
.85 .84 .83 .82 .81	.62 .61 .60 .59	.51 .50 .49 .48 .46	11.8 11.9 11.9 12.0 12.0	.62 .62 .61 .60 .60	.50 .49 .48 .47 .46	11.7 11.8 11.9 11.9 12.0	.63 .62 .62 .61 .60	.50 .48 .47 .46 .45	11.7 11.8 11.8 11.9 11.9	.63 .63 .62 .61 .61	.49 .48 .46 .45 .44	11.6 11.7 11.8 11.8 11.9	.64 .63 .63 .62 .61	.48 .47 .45 .44 .43	11.6 11.7 11.7 11.8 J1.8	.85 .84 .83 .82 .81
.80 .79 .78 .77 .76	.59 .58 .58 .57 .56	.45 .44 .43 .42 .41	12.1 12.2 12.2 12.3 12.4	.59 .59 .58 .58 .57	.44 .43 .42 .41 .40	12.1 12.1 12.2 12.2 12.3	.60 .59 .59 .58 .57	.44 .42 .41 .40 .39	12.0 12.1 12.1 12.2 12.2	.60 .60 .59 .59 .58	,43 .41 .40 .39 .38	12.0 12.0 12.1 12.1 12.2	.61 .60 .59 .58	.42 .41 .39 .38 .37	11.9 12.0 12.0 12.1 12.1	.80 .79 .78 .77 .76
.75	.56	.40	12.4	.56	.39	12.4	.57	.38	12.3	.57	.37	12.3	.58	.36	12.2	.75
.74	.55	.39	12.5	.56	.38	12.4	.56	.37	12.4	.57	.36	12.3	.57	.35	12.3	.74
.73	.55	.38	12.5	.55	.37	12.5	.56	.36	12.4	.56	.35	12.4	.57	.34	12.3	.73
.72	.54	.36	12.6	.55	.36	12.5	.55	.35	12.5	.56	.34	12.4	.56	.33	12.4	.72
.71	.54	.35	12.6	.54	.35	12.6	.55	.34	12.5	.55	.33	12.5	.56	.32	12.4	.71
.70	.53	.34	12.7	.54	.34	12.6	.54	.33	12.6	.55	.32	12.5	.55	.31	12.5	.70
.69	.53	.33	12.7	.53	.32	12.7	.54	.32	12.6	.54	.31	12.6	.55	.30	12.5	.69
.68	.52	.32	12.8	.53	.31	12.7	.53	.30	12.7	.54	.30	12.6	.54	.29	12.6	.68
.67	.52	.31	12.8	.52	.30	12.8	.53	.29	12.7	.53	.29	12.7	.54	.28	12.6	.67
.66	.51	.30	12.9	.52	.29	12.8	.52	.28	12.8	.53	.27	12.7	.53	.26	12.7	.66
.65	.51	.29	12.9	.51	.28	12.9	.52	.27	12.8	.52	.26	12.8	.53	.25	12.7	.65
.64	.50	.28	13.0	.51	.27	12.9	.51	.26	12.9	.52	.25	12.8	.52	.24	12.8	.64
.63	.49	.27	13.1	.50	.26	13.0	.51	.25	12.9	.51	.24	12.9	.52	.23	12.8	.63
.62	.49	.26	13.1	.49	.25	13.1	.50	.24	13.0	.51	.23	12.9	.51	.22	12.9	.62
.61	.48	.25	13.2	.49	.24	13.1	.49	.23	13.1	.50	.22	13.0	.51	.21	12.9	.61
.60	.48	.24	13.2	.48	.23	13.2	.49	.22	13.1	.49	.21	13.1	.50	.20	13.0	.60
.59	.47	.23	13.3	.48	.22	13.2	.48	.21	13.2	.49	.20	13.1	.49	.19	13.1	.59
.58	.47	.22	13.3	.47	.21	13.3	.48	.20	13.2	.48	.19	13.2	.49	.18	13.1	.58
.57	.46	.21	13.4	.47	.20	13.3	.47	.19	13.3	.48	.18	13.2	.48	.17	13.2	.57
.56	.46	.20	13.4	.46	.19	13.4	.47	.18	,13.3	.47	.17	13.3	.48	.16	13.2	.56
.55 .54 .53 .52 .51	.45 .45 .44 .44 .43	.19 .18 .18 .17 .16	13.5 13.5 13.6 13.6 13.7	.46 .45 .45 .44	.18 .17 .16 .15 .14	13.4 13.5 13.5 13.6 13.6	.46 .46 .45 .45 .45	.17 .16 .15 .14 .13	13.4 13.4 13.5 13.5 13.6	.47 .46 .46 .45 .45	.16 .15 .14 .13 .12	13.3 13.4 13.4 13.5 13.5	.47 .47 .46 .46 .45	.15 .14 .13 .12 .11	13.3 13.3 13.4 13.4 13.5	.55 .54 .53 .52 .51
		1														



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- P <u>H</u> _	P	ני <u></u> די	.41 △	PL	9 1- ,	42 A	P	₽ <mark>L</mark> =	486 	P	ני ד ד	. 44 .	p	'L= ን	,45 4	₽ <mark>⊞</mark>
									·	•••i			-			
.99	.77	.76	10.0	.78	.76	10.0	.78	.75	9.9	.78	.75	9.9	.79	.74	9.8	.99
.98	.75	.72	10.3	.76	.71	10.2	.76	.71	10.1	.77	.70	10.1	.77	.70	10.0	.98
.96	.73	.66	10.5	.73	.65	10.5	.74	.65	10.4	.75	.64	10.3	.75	.64	10.2	.96
										,						
.95	.72	.63	10.7	.72	.63	10.6	.73	.62	10.6	.73	.62	10.5	.74	.61	10.5	.95
.94	.71	.61	10.8	.71	.61	10.7	.72	.60	10.7	.72	.59	10.6	.73	.59	10.6	.94
.93	./U 69	.59	10.9	.71	.59	10.8	.71	.58	10.8	.72	.57	10.7	.72	.57	10.7	.93
.91	.69	.56	11.1	.69	.55	11.0	.69	.55	11.0	.70	.54	10.9	.70	.53	10.9	.91
.90	.68	.54	11.2	.68	.54	11.1	.69	.53	11.1	.69	.52	11.0	.70	.51	10.9	.90
.89	.67	.53	11.2	.68	.52	11.2	.68	.51	11.1	.68	.51	11.1	.69	.50	11.0	.89
.87	.66	.50	11.4	.66	.49	11.3	.67	.30	11.2	.68	48	11.2	.68	.40	11.1	.88
.86	.65	.49	11.5	.65	.48	11.4	.66	.47	11,4	.66	.46	11.3	.67	.45	11.3	.86
.85	.64	.47	11.5	.65	.46	11.5	.65	.46	11.4	.66	.45	11.4	.66	.44	11.3	.85
.84	.63	.40	11.0	.64	.40 .44	11.5	.65	.44	11.5	.65	.43	11.4	.65	.43	11.4	.84
.82	.62	.43	11.7	.63	.43	11.7	.63	.42	11.6	.64	.41	11.6	.64	.40	11.5	.82
.81	.62	.42	11.8	.62	.41	11.7	.63	.40	11.7	.63	.40	11.6	.64	.39	11.6	.81
	••			~~	10					~ ~						
.80	.61 61	.41	11.9	.62	.40	11.8	.62	.39	11.7	.63	.38	11.7 11.8	.63	.37	11.6	.80
.78	.60	.39	12.0	.61	.38	11.9	.61	.37	11.9	.62	.36	11.8	.62	.35	11.8	.78
.77	.60	.37	12.0	.60	.36	12.0	.61	.36	11.9	.61	.35	11.9	.62	.34	11.8	.77
.76	.59	.36	12.1	.59	.35	12.0	,60	.34	12.0	.60	.33	11.9	.61	.33	11.9	.76
75	58	35	122	59	34	12.1	.59	.33	12.0	.60	.32	12.0	.60	.31	119	75
.74	.58	.34	12.2	.50	,33	12.2	.59	.32	12.1	.59	.31	12.1	.60	.30	12.0	.74
.73	.57	.33	12.3	.58	.32	12.2	.58	:31	12.2	.59	.30	12.1	.59	.29	12.1	.73
.72	.57	.32	12.3	.57	.31	12.3	.58	.30	12.2	.58	.29	12.2	.59	.28	12.1	.72
.70	.56	.30	12.4	.56	.29	12.4	.57	.28	12.3	.57	.27	12.3	.58	.26	12.2	.70
.69	.55	.29	12.5	.56	.28	12.4	.56	.27	12.4	.57	.26	12.3	.57	.25	12.3	.69
.68	.55	.28	12.5	.55	.27	12.5	.56	.26	12.4	.56	.25	12.4	.57	.24	12.3	.68
.67	,54 .54	.27	12.6	.54	.25	12.5	.55	.24	12.5	.55	.23	12.5	.56	.23	12.4	.67
.65	53	.24	12.7	.54	.23	12.6	.54	.22	12.6	.55	.21	12.5	.55	.21	12.5	.65
.64	.53	.23	127	.53	.22	12.7	.54	.21	12.6	.54	.20	12.6	.55	.19	12.5	.64
.63	.52 52	.22	12.8	.53	.21	12.7	.53	.20	12.7	.54	.19	12.6	.54	.18	12.6	.63
.61	.51	.20	12.9	.52	.19	12.8	.52	.18	12.8	.53	.17	12.7	.53	.16	12.7	.61
.60	.51	.19	12.9	.51	.18	12.9	.52	.17	12.8	.52	.16	12.8	.53	.15	12.7	.60
.59	.50	.18	13.0	.50	.17	12.9	.51	.15	12.9	.5∠ .51	.15	12.8	.52	.14	12.8	.59
.57	.49	.16	13.1	.49	.15	13.1	.50	.14	13.0	.51	.13	12.9	.51	.12	12.9	.57
.56	.48	.15	13.2	.49	.14	13.1	.49	.13	13.1	.50	.12	13.0	.51	.11	12.9	.56
85	40	14	120	40	12	132	40	12	131	40	11	121	E O	10	120	EE
.55	.48	.13	13.3	.48	.12	13.2	.48	.11	13.2	.49	.10	13.1	.49	.09	13.1	.55
.53	.47	.12	13.3	.47	.11	13.3	.48	.10	13.2	.48	.09	13.2	.49	.08	13.1	.53
.52	.46 46	.11	13.4 13.4	.47	.10	13.3 13.4	.47 .47	.09	13.3	.48	.08	13.2	.48	.07	13.2	.52
	.40			.40					20.0	.47	,	10.0	-40	.00	13.2	.51
		•					¹¹	1.3								



P.H.	P	۲ ۲=	46	p	^р t.= т	47.	D.	^p L=	48	e l P	°L=	49	D D	ور 12ء	50	P _{EI}
.99	.79	.74	9.7	.80	.74	9.7	.80	.73	9.6	.80	.73	9.6	.81	.72	9.5	.99
.98	.76	.66	10.1	.77	.65	10.1	77	.65	10.0	.75	.64	10.0	.78	.64	9.9	.98 •.97
.96	.75	.63	10.3	.76	.62	10.2	.76	.62	10.2	.76	.61	10.1	.77	.61	10.1	.96
.95	.74	.60	10.4	.75	.60	10.4	.75	.59	10.3	.75	.59	10.3	.76	.58	10.2	.95
.94	.73	.58 56	10.5	.74 73	.58 55	10.5	.74	.57	10.4	.75 74	.56	10.4	.75	.56	10.3	.94
.92	.72	.54	10.7	.72	.53	10.7	.72	.53	10.6	.73	.52	10.5	.73	.51	10.5	.93
.91	.71	.52	10.8	,71	.52	10.7	.72	.51	10.7	.72	.50	10.6	.73	.50	10.6	.91
00	70	*61	10.0	71	. 60	10.8	. 71	40	10.9	71	A 9	107	. 72		107	
.90	.69	.51	11.0	.71	.50	10.8	.71	.49 .48	10.8	.71	.407	10.7	.72	.48	10.7	.90 .89
.88	.69	.47	11.1	.69	.47	11.0	.70	.46	10.9	.70	.45	10.9	.71	.44	10.8	.88
.87	.68 .67	.46 .45	11.1 11.2	.69 .68	.45 .44	11.1 11.1	.69 .68	.44 .43	11.0 11.1	.69 .69	.44 .42	11.0 11.0	.70 .70	.43 .41	10.9 11.0	.87
								,,,,								
.85	.67	.43	11.3	.67	.42	11.2	.68	.41	11.2	.68	.41	11.1	.69	.40	11.1	.85
.84	.66	.42	11.3	.67	.41	11.3	.67	.40	11.2	.68	.39	11.2	.68	.38	11.1	.84
.83	.65	.39	11.4	.65	.40	11.4	.66	.39	11.5	.67	.36	11.2	.67	.37	11.2	.83
.81	.64	.38	11.5	.65	.37	11.5	.65	.36	11.4	.66	.35	11.4	.66	.34	11.3	.81
. 80	.64	.36	11.6	.64	.36	11.5	.65	.35	11.5	.65	.34	11.4	.66	.33	11.4	.80
.79	.63	.35	11.7	.64	.34	11.6	.64	.33	11.5	.65	.33	11.5	.65	.32	11.4	.79
.78	.63	.34	11.7	.63	.33	11.7	.64	.32	11.6	.64	.31	11.6	.65	.30	11.5	.78
.76	.62 .61	.33 .32	11.8	.63	.32 .31	11.8	.62	.30	11.7	.63	.29	11.7	.63	.29	11.6	
	6 1	91		e1	20	11.0	63	20	11.0	63	28	177	67	. 27	117	
.75 .74	.60	.29	12.0	.61	.30	11.9	.61	.29	11.8	.62	.27	11.8	.62	.26	11.7	75
.73	.60	.28	12.0	.60	.27	12.0	.61	.26	11.9	.61	.25	11.9	.62	.24	11.8	.73
.72	.59 59	.27	12.1	.60 59	.26 25	12.0	.60	.25 24	12.0	.61 .60	.24	11.9 120	.61 .61	.23 22	11.9	.72
.7 1		,20			.20	****					,20				÷ • • •	./1
.70	.58	.25	12.2	.59	.24	12.1	.59	.23	12.1	.60	.22	12.0	.60	.21	12.0	.70
.69	.58 57	.24	12.2	.58	.23	12.2	.59	.22 21	12,1	.59	.21	12.1	.60	.20∵ 19	12.0	.69
.67	.57	.22	12.3	.57	.21	12.3	.58	.20	12.2	.58	.19	12.2	.59	.18	12.1	.67
.66	.56	.21	12.4	.57	.20	12.3	.57	.19	12.3	.58	.18	12.2	.58	.17	12.2	.66
.65	.56	.20	12.4	.56	.19	12.4	.57	.18	12.3	.57	.17	12.3	.58	.16	12.2	.65
.64	.55	.18	12.5	.56	.18	12.4	.56	.17	12.4	.57	.16	12.3	.57	.15	12.3	64
.63	.55 54	.17	12.5	.55	.16	12.5	.56	.15 114	12.4	,20 .56	.14	12.4	.57	.13	12.3	.63
.61	.54	.15	12.6	.54	.14	12.6	.55	.13	12.5	.55	.12	12.5	.56	.11	12.4	.61
60	53	.14	12.7	54	.13	12.6	.54	13	12.6	.55	.11	12:5	55	.10	125	60
.59	.53	.13	12.7	.53	.12	12.7	.54	.11	12.6	.54	.10	12.6	.55	.09	12.5	.59
.58	.52	.12	12.8	.53	.11	12.7	.53	.10	12.7		.09	12.6	.54	.08	12.6	.58
.57 .56	.52 .51	.11	12.8	.52	.10 .09	12.8	.53 .52	.09 .08	12.7	.53 .53	.07	12.7	.54 .53	.07 .06	12.6	.57 .56
			100			. 100	-	07				10.0		~-		
.55	.51	.09	12.9	.51	.08	12.9	.52	.07	12.8	.52	.05	12.8	.53	.05	12.7	.55
.53	.49	.07	13.1	.50	.06	13.0	.51	.05	12.9	.51	.04	12.9	.52	.03	12.8	.53
.52	.49	.06	13.1	.49	.05	13.1	.50	.04	13.0	.51	.03	12.9	.51	.02	12.9	.52
.51	.48	.05	13.2	.49	.04	13.1	.49	.03	13.1	.90	.02	13.0	.51	.01	12.9	.51
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99	.83	.69	9.2	.83	.69 63	9.1	.84 82	.68	9.1	.84	.68	9.0	.85 .83	.67	8.9 9.2	.99 .98
98	.82 .80	.60	9.6	.81	.59	9.5	.81	.59	9.5	.82	.58	9,4	.82	.57	9.3	.97
96	.79	.57	9.7	.80	.56	9.7	.80	.55	9.6	.81	.55	9.5	.81	.54	9.5	.96
95	.78	.54	9.9	.79	.53	9.8	.79	.52	9.7	.80	.52	9.7	.80	.51	9.6	.95
94	.78	.51	10.0	.78	.51	9.9	78	.50	9.8	.79	.49	9.8	79	.48	9.7	.94
93	.76	.45	10.1	.76	.46	10.1	.77	.45	10.1	.77	.44	10.0	.78	.43	9.9	.92
.91	.75	.45	10.3	.76	.44	10.2	.76	.43	10.1	.77	.42	10.1	.77	.41	10.0	.91
.90	.75,	.43	10.4	.75	.42	10.3	.76	,41	10.2	.76	.40	10.2	.76	,39	10.1	.90
.89	.74	.41	10.4	.74	.40	10.4	.75	.39	10.3	.75	.38	10.3	.76	.38	10.2	.89
.88 97	.73	.39	10.5	.74	.38	10.5	.74	.36	10.4	./5	.37	10.5	./5	.30	10.3	.80
.86	.72	.36	10.7	.72	.35	10.6	.73	.34	10.5	.73	.33	10.5	.74	.32	10.4	.86
.85	.71	.34	10.7	.72	.34	10.7	.72	.33	10.6	.73	.32	10.6	.73	.31	10.5	.85
.84	.71	.33	10.8	.71	.32	10.8	.72	.31	10.7	.72	.30	10.6	.73	.29	10.6	.84
.83	.70	.32	10.9	.71	.31	10.8	.71	.30	10.8	.72	.29	10.7	.72	28	10.7	.83
.81	.69	.29	11.0	.70	.28	11.0	.70	.27	10.9	.71	.26	10.8	.71	.25	10.8	.81
.80	.68	.28	11.1	.69	.27	11.0	.69	.26	11.0	.70	.25	10.9	.70	.24	10.9	.80
.79	.68	.26	11.1	.68	.25	11.1	.69	.24	11.0	.69	.23	11.0	.70	.22	10.9	.79
.78	.67 67	.25	11.2	.68	.24	11.1	.68	.23	11.1	.69	.22	11.0		.21	11.0	.78
.76	.66	.22	11.3	.67	.21	11.3	.67	.20	11.2	.68	.19	11.2	.68	.18	11.1	.70
.75	.66	.21	11.4	.66	.20	11.3	.67	.19	11.3	.67	.18	11.2	.68	.17	11.2	
,74	.65	.20	11.4	.66	19	11.4	.66	.18	11.3	.67	.17	11.3	.67	.16	11.2	.74
72	.64	.17	11.5	.65	.16	11.5	.65	.15	11.4	.66	.14	11.4	.66	.15	11.3	.7:
.71	.64	.16	11.6	.64	.15	11.5	.65	.14	11.5	.65	.13	11.4	.66	.12	11.4	.71
.70	.63	.15	11.7	.64	.14	11.6	.64	.13	11.5	.65	.12	11.5	.65	.11	11.4	.70
.69 58	.63 62	.14	11.7	.63	12	11.7	.64	.12	11.6	.64	.11	11.6	.65	.10	11.5	.6
.67	.62	.12	11.8	.62	.11	11.8	.63	.10	11.7	.63	.09	11.7	.64	.09	11.6	,6,
.66	61	.11	11.9	.62	.10	11.8	.62	.09	11.8	.63	.08	11.7	.63	.07	11.7	.6
.65	.61	.10	11.9	.61	.09	11.9	.62	.08	11.8	.62	.06	11.8	.63	.05	11.7	.8
.63	.60	.08	12.0	.60	.07	12.0	.61	.05	11.9	.62	.05	11.8	.62	04	11.8	.6
.62	,59	.06	12.1	.60	.05	12.0	.60	.04	12.0	.61	.03	11.9	.61	.02	11.9	o. 6.
.61	.59	.05	12.1	.59	.04	12,1	.60	.03	12.0	.60	.02	12.0	.61	.01	11.9	.6
.60 .59	.58 .58	.04	12.2 12.2	.59 .58	.03	12.1	.59	.02	12.1	.60	.01	12.0	.60	.00	12.0	.6
.58	.57	.02	12.3	.58	.01	12.2	.58	.00	12.2			**.*	. ż.			.5
.57 .56	.57 .56	.00	12.3 12.4	.57	.00	12.3						, î. 1				.5 .5
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.99	.85	.6/	8.9	.85	.00 0.0	8.8	80 84	.00	9.0	.00	.00 59	8.7	.80	.65 58	8.6	.99
.97	.83	.57	9.3	.83	.56	9.2	.83	.55	9.2	.84	.55	9.1	.84	.56	9.0	.90
.96	.81	.53	9.4	.82	.52	9,4	.82	.52	9.3	.83	.51	9.2	.83	.50	9.2	.96
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05	91	50	95		40	9.5		48	94	82	48	òA	82	47	0.2	05
.94	.80	.47	9.7	.80	.47	9.6	.81	.46	9.5	.81	.45	9.5	.81	44	9.4	.95
.93	.79	.45	9.8	.79	.44	9.7	.80	.43	9.7	.80	.42	9.6	.81	.42	9.5	.93
.92	.78	.43	9,9	.79	.42	9.8	.79	.41	9.8	.79	.40	9.7	.80	.39	9.6	.92
.91	.78	· .41	10.0	.78	.40	9.9	.78	.39	9.9	.79	.38	9.8	.79	.37	9.7	.91
								1								
90	77	39	101	. 77	38	10.0			10.0		.36	9.9	.79	35	. 9.8	. 90
.89	.76	.37	10.1	.77	.36	10.1	.77	.35	10.0	.78	.34	10.0	.78	.33	9.9	.89
.88	.76	.35	10.2	.76	.34	10.2	.76	.33	10.1	.77	.32	10.1	.77	.31	10.0	
.87	.75	.33	10.3	.75	.32	10.3	.76	.31	10.2	.76	30	10.1	.77	.29	10.1	.87
.86	.74	.31	10.4	75	.31	10.3	.75	.30	10.3	.76	.29	10.2	.76	.28	10.1	.86
															,	
.85	.74	.30	10.5	.74	.29	10.4	.75	.28	10.4	.75	.27	10.3	.76	.26	10.2	.85
.84	.73	.28	10.5	.74	.27	10.5	.74	.26	10.4	.75	.25	10.4	.75	.24	10.3	.84
.83	.73	.27	10.6	.73	.26	10.5	.73	.25	10.5	.74	.24	10.4	.74	.23	10.4	.83
.82	.72	.25	10.7	.72	.24	10.6	.73	.23	10.6	.73	.22	10.5	.74	.21	10.5	.82
.81	.71	.24	10.7	.72	.23	10.7	.72	.22	10.6	.73	.21	10.6	.73	.20	10.5	.81
.80	.71	.23	10.8	.71	.22	10.8	.72	.21	10.7	.72	.20	10.6	.73	.18	10.6	.80
.79	.70	.21	10.9	.71	.20	10.8	.71	.19	10.8	.72	.18	10.7	.72	.17	10.6	.79
.78	.70	.20	10.9	.70	.19	10.9	.71	.18	10.8	.71	.17	10.8	.72	.16	10.7	
.77	.69	.19	11.0	.70	.18	10.9	.70	.17	10.9	.71	.16	10.8	.71	.14	10.8	.77
.76	.69	.17	11.1	.69	,16.	11.0	.70	.15	10.9	.70	14	10.9		.13	10.8	.76
							21		_						`.	
.75	.68	.16	11.1	.69	.15	11.1	.69	.14	11.0	.70	.13	10.9	.70	.12	10.9	.75
./4	.68	.15	11.2	.68	14	11.1	.69	.13	11.1	.69	.12	, 11.0	.70		10.9	.74
./3	.07	12	11.2	.00	.13	11.2	68	: 10	11.1	.05		11.1	.05	.09	11.0	./3
.71	.66	.11	11.3	.67	.10	11.3	.67	.09	11.2	.68	.08	11:2	.68	.07	11.1	.71
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70	66	10	114	66	00	113	67	08	113	67	07	112	68	06	11.9	· 70
.69	.65	.09	11.4	.66	.08	11.4	.66	.07	11.3	.67	06	11.3	.67	.04	11.2	.69
.68	.65	.08	11.5	.65	.07	11.5	.66	.06	11.4	.66	.04	11.3	.67	,03	11.3	.68
.67	.64	.07	11.6	.65	.06	11.5	.65	.04	ŀ1.5	.66	,03	11.4	.66	.02	11.3	.67
.66	.64	.05	11.6	.64	.04	11.6	.65	.03	11.5	.65	.02	11.5	.66	.01	11.4	.66
			<u>^</u>													
.65	.63	.04	11.7	.64	.03	11.6	.64	.02	11.6	.65	.01	11.5	.65	.00	11.5	
.64	.63	.03	11.7	.63	.02	11.7	.64	.01	11.6	.64	.00	11.6				.64
.63	.62	.02	11.8	.63	.01	11.7	.63	00	11.7							.63
.62	.62	.01	11.8	.62	.00	11.8							·			.62
10.	.61	.00	11.9								-				r	.61
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8.5 8.7 8.9 9.1 .87 .86 .85 .84 .63 56 51 48 8.4 8.7 8.8 9.0 .88 .87 .86 .85 .64 .57 .53 .49 .63 .57 .52 .61 .54 .50 .46 8.2 8.5 8.7 8.8 .99 98 .97 .96 .99 .87 8.5 .87 .88 .62 8.3 .87 .86 .85 .84 .83 8.8 9.0 9.1 ,86 .85 .55 .51 8.6 8.8 8.9 .98 .97 96 .84 .48 .85 47 .83 9.2 .83 .95 .46 .83 .45 9.2 .44 .41 .39 .36 .34 9.1 .84 .43 .40 .38 .35 .33 9.1 .84 .42 .39 .37 .34 .32 9.0 .95 .82 .81 .80 .80 .43 .41 .38 .36 9.4 9.5 9.6 9.7 .82 .82 .81 .80 .42 .40 .37 .35 9.3 9.4 9.5 9.6 .83 .82 .81 .81 9.2 9.3 9.4 9.5 9.1 9.2 9.3 9.4 .94 9.2 .83 .83 .94 9.4 9.5 9.5 .82 .82 .81 83 82 .81 .93 .92 .91 .93 .92 .91 .33 .31 .29 .27 .31 .29 .27 .25 9.6 9.7 9.7 9.8 .79 .78 .78 .77 .77 .34 .32 .30 .28 .27 9.8 9.7 .80 .79 .79 .78 .77 .32 9.6 .90 .80 .79 .78 .78 .77 .80 .81 .80 .80 .79 .78 .30 .28 .26 .24 .22 9.5 .90 .89 .88 .87 .87 .30 .28 .26 .25 .80 .79 .79 .79 .78 9.5 9.6 9.7 9.8 9,9 9.8 9.9 10.0 9.8 9.9 10.0 .89 9.7 9.8 9.9 .88 .87 10.1 .26 10.0 10.0 .23 .86 9.9 .77 .76 .76 .75 .75 .21 .19 .17 .16 .14 .85 .76 .75 .75 .74 .74 .25 10.2 .76 .76 .75 .75 .74 .24 .22 .21 .19 .18 10.1 .23 10.1 .22 10.0 .77 .77 .76 .76 .75 .78 .77 .77 .76 .76 9.9 .85 .84 .83 .82 .81 .23 .22 .20 .19 .21 .20 .18 .17 10.2 10.3 10.2 10.3 10.3 .20 .19 .17 .84 .83 .83 10.1 10.1 10.0 10.2 10.3 10.1 10.1 10.1 10.4 10.5 10.2 10.4 10.3 .16 10.3 10.2 .81 .74 .73 .73 .72 .72 10.5 10.6 10.7 10.7 10.8 10.5 10.5 10.6 10.7 10.7 .14 .13 .11 .10 .73 .73 .72 .72 .72 .71 .17 .16 .15 .13 .12 .74 .74 .73 .73 .72 .16 .15 .13 .12 .11 .80 .79 .78 .77 .76 .15 10.4 .75 .74 .74 .73 .73 10,4 10.3 .75 .75 .74 .74 .73 .13 .80 .79 .78 .77 .76 .14 .12 .11 .10 10.5 10.5 10.6 10.7 .11 10.4 10.4 10.5 10.4 10.5 10.5 .09 .08 10.6 .07 10.5 .71 .71 .70 .70 .69 .71 .70 .70 .69 .11 .09 .72 .71 .71 .70 .70 10.7 10.8 10.8 10.9 11.0 .75 .74 .73 .72 .71 10.8 .10 .08 .07 .06 .05 10.8 .08 :07 .06 .05 .03 .72 .07 10.7 .73 .06 10.6 .75 10.9 10.9 108 .72 .71 .71 .71 .06 .05 .03 .02 10.7 10.8 10.8 10.9 .72 .72 .71 .71 .05 .04 .02 .01 .74 .73 .72 .71 10.7 .08 10.9 10.7 ,07 11.0 10.9 10.8 .69 .06 11.1 11.0 10.8 .05 .03 .02 .01 .00 .68 .68 .67 .67 .69 .68 .68 .67 .69 .69 .68 .02 .01 .00 .70 .69 .68 .67 .70 11.1 .03 11.1 11.0 .70 .01 11.0 .70 .00 10.9 11.2 11.2 .02 .01 11.1 11.2 .69 11.1 11.1 .00 .69 11.0 .68 .67 11.3 .00 11.2 .66 .66 11.3 .66 246 MR 303

39 49 41 82 40 81 80 59 80 58 79 90 57 75 75 75 56 45 44 48 57 45 58 45 54 54 54 54 54 54 54 54 54 54 54 54 54 55 55 55 55 55 55 45 54 46 57 41 65 37 41 65 37 41 65 35 59 85 39 85 39 85 39 85 39 85 35 </th <th>e.</th> <th>P</th> <th>T T</th> <th>Δ.,</th> <th>P</th> <th>L F</th> <th>.Α</th> <th>, P</th> <th>L.</th> <th>78 Δ</th> <th>P</th> <th>PL- K</th> <th>74</th> <th>P</th> <th>е_г</th> <th>р. </th> <th>P.</th>	e.	P	T T	Δ.,	P	L F	.Α	, P	L.	78 Δ	P	PL- K	74	P	е _г	р. 	P.
95 85 41 85 40 88 95 39 88 86 38 87 86 37 86 37 86 37 86 37 86 37 86 37 86 34 33 33 33 33 33 33 33 32 92 33 33 29 32 33 22 33 34 32 92 33 32 92 33 32 92 33 32 92 33 32 92 33 32 92 33 32 92 33 32 92 33 32 92 33 33 25 92 43 22 93 33 33 25 92 43 22 93 33 33 25 93 34 22 93 34 33 25 44 37 16 16 36 37 16 16 36<	.99 .98 .97 .96	.89 .87 .86 .85	.61 .54 .49 .45	8.2 8.4 8.6 8.8	.89 .88 .87 .86	.60 .53 .48 .44	8.1 8.4 8.6 8.7	.89 .88 .87 .86	.59 .52 .47 .43	8.0 8.3 8.5 8.6	.90 .89 .88 .87	.58 .51 .46 .42	7.9 8.2 8.4 8.6	.90 .89 .88 .87	.57 .50 .45 .41	7.9 8.1 8.3 8.5	.99 .98 .97 .96
90 81 29 94 82 27 93 83 25 92 83 24 92 93 86 80 25 95 80 24 95 81 24 95 81 24 95 81 11 94 82 23 93 82 24 95 81 11 94 82 20 95 80 25 81 11 95 81 16 95 86 85 86 87 97 97 80 16 97 80 15 98 79 17 98 76 13 98 79 13 98 79 13 98 82 81 76 13 10 27 10 10 </td <td>.95 .94 .93 .92 .91</td> <td>.85 .84 .83 .83 .82</td> <td>.41 .39 .36 .33 .31</td> <td>8.9 9.0 9.2 9.3 9.4</td> <td>.85 .84 .84 .83 .82</td> <td>.40 .38 .35 .32 .30</td> <td>8.8 9.0 9.1 9.2 9.3</td> <td>.85 .85 .84 .83 .83</td> <td>.39 .36 .34 .31 .29</td> <td>8.8 8.9 9.0 9.1 9.2</td> <td>.86 .85 .84 .84 .83</td> <td>.38 .35 .32 .30 .28</td> <td>8.7 8.8 8.9 9.1 9.2</td> <td>.86 .86 .85 .84 .84</td> <td>.37 .34 .31 .29 .27</td> <td>8.6 8.7 8.9 9.0 9.1</td> <td>.95 .94 .93 .92 .91</td>	.95 .94 .93 .92 .91	.85 .84 .83 .83 .82	.41 .39 .36 .33 .31	8.9 9.0 9.2 9.3 9.4	.85 .84 .84 .83 .82	.40 .38 .35 .32 .30	8.8 9.0 9.1 9.2 9.3	.85 .85 .84 .83 .83	.39 .36 .34 .31 .29	8.8 8.9 9.0 9.1 9.2	.86 .85 .84 .84 .83	.38 .35 .32 .30 .28	8.7 8.8 8.9 9.1 9.2	.86 .86 .85 .84 .84	.37 .34 .31 .29 .27	8.6 8.7 8.9 9.0 9.1	.95 .94 .93 .92 .91
85 78 19 9.9 79 1.8 9.8 79 1.7 9.7 80 1.6 9.7 80 1.3 9.7 84 83 77 1.6 100 78 1.4 9.7 79 1.3 9.8 79 1.1 9.8 83 83 77 1.6 100 78 1.4 9.7 79 1.3 9.7 9.1 8.8 79 1.1 9.8 83 83 83 77 1.5 100 78 1.4 9.7 9.0 1.5 8.6 83 83 83 77 1.1 9.7 70 100 78 1.8 9.8 83 83 83 75 10 10.2 77 10 78 79 1.0 78 78 10 10.2 76 10 10.2 76 10 10.2 76 10.1 10.7 78 10.1 77 70 10.1 77 70 10.1 77 70 10.1 77 70 10.1 77	.90 .89 .88 .87 .86	.81 .81 .80 .80 .79	.29 .27 .25 .23 .21	9.4 9.5 9.6 9.7 9.8	.82 .81 .80 .80 .79	.28 .26 .24 .22 .20	9.4 9.5 9.6 9.6 9.7	.82 .82 .81 .80 .80	.27 .24 .23 .21 .19	9.3 9.4 9.5 9.6 9.7	.83 .82 .81 .81 .80	.25 .23 .21 .19 .18	9.2 9.3 9.4 9.5 9.6	.83 .82 .82 .81 .81	.24 .22 .20 .18 .16	9.2 9.3 9.4 9.4 9.5	.90 .89 .88 .87 .86
80 76 12 102 76 10 102 77 09 10.1 .77 08 100 78 .07 100 80 79 75 10 10.3 76 .09 10.2 76 .08 10.2 .77 .07 10.1 .77 .05 10.0 .79 78 .75 .09 10.4 .75 .08 10.3 .76 .07 10.2 .76 .05 10.2 .77 .04 10.1 .77 76 .74 .06 10.4 .75 .05 10.4 .75 .03 10.2 .76 76 .74 .05 10.4 .75 .04 10.4 .75 .03 10.3 .76 .01 10.2 .76 77 .73 .04 10.5 .74 .03 10.4 .75 .00 10.4 .75 .00 10.4 .75 .00 10.4	.85 .84 .83 .82 .81	.78 .78 .77 .77 .76	.19 .18 .16 .15 .13	9.9 9.9 10.0 10.1 10.2	.79 .78 .78 .77 .77	.18 .17 .15 .13 .12	9.8 9.9 10.0 10.0 10.1	.79 .79 .78 .78 .77	.17 .15 .14 .12 .11	9.7 9.8 9.9 10.0 10.0	.80 .79 .79 .78 .78	.16 .14 .13 .11 .09	9.7 9.7 9.8 9.9 10.0	.80 .80 .79 .79 .78	.15 .13 .11 .10 .08	9.6 9.7 9.8 9.8 9.9	.85 .84 .83 .82 .81
75 .73 .05 10.5 .74 .04 10.5 .74 .03 10.4 .75 .01 10.4 .75 .00 10.3 .74 .73 .72 .02 10.7 .73 .01 10.6 .73 .02 10.5 .74 .01 10.5 .74 .00 10.4 .75 .00 10.3 .74 .73 .72 .02 10.7 .73 .01 10.6 .73 .00 10.5 .74 .00 10.4 .75 .00 10.3 .75 .72 .02 10.7 .72 .00 10.7 .72 .00 10.7 .72 .00 10.7 .72 .00 10.7 .72 .00 10.7 .72 .71 .71 .00 10.8 .75 .00 10.7 .72 .72 .73 .01 .74 .75 .00 10.4 .75 .00 10.7 .72 .71 .71 .71 .71 .71 .71 .71 .72 .72 .72	.60 .79 .78 .77 .76	.76 .75 .75 .74 .74	.12 .10 .09 .08 .06	10.2 10.3 10.4 10.4 10.5	.76 .76 .75 .75 .74	.10 .09 .08 .06 .05	10.2 10.2 10.3 10.4 10.4	.77 .76 .76 .75 .75	.09 .08 .07 .05 .04	10.1 10.2 10.2 10.3 10.4	.77 .77 .76 .76 .75	.08 .07 .05 .04 .03	10.0 10.1 10.2 10.2 10.3	.78 .77 .77 .76 .76	.07 .05 .04 .03 .01	10.0 10.0 10.1 10.2 10.2	.80 .79 .78 .77 .76
	.75 .74 .73 .72 .71	.73 .73 .72 .72 .71	.05 .04 .02 .01 .00	10.5 10.6 10.7 10.7 10.8	.74 .73 .73 .72	.04 .02 .01 .00	10.5 10.5 10.6 10.7	.74 .74 .73	.03 .01 .00	10.4 10.5 10.5	.75 .74	.01 .00	10.4 10.4	.75	.00	1 0.3	.75 .74 .73 .72 71
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9 _H	P ₁ P	= 81 r A	p	Г-1	32 (公,	P P	L ^{= 4} r	93 A	a A A	ь <u></u> = 4 У	на А	P P	L- 8 T	5 A	P _H
.99 .98 .97 .96	.92 .91 .90 .90	.52 7.3 .44 7.6 .38 7.8 .34 8.0	.92 .91 .91 .90	.51 .43 .37 .33	7.2 7.5 7.7 7.9	.93 .92 .91 .90	.50 .42 ,36 .31	7.1 7.4 7.6 7.8	.93 .92 .92 .91	.49 .40 .34 .30	7.0 7.3 7.5 7.7	.94 .93 .92 .91	.47 .39 .33 .28	.89 .88 7.4 7.6	.99 .98 .97 .96
.95 .94 .93 .92 .91	.89 .88 .87 .87 .86	.30 8.1 .27 8.3 .24 8.4 .21 8.5 .19 8.6	.89 .89 .88 .87 .87	.29 .25 .22 .20 .17	8.1 8.2 8.3 8.4 8.6	.90 .89 .88 .88 .88	.27 .24 .21 .18 .16	8.0 8.1 8.2 8.3 8.5	.90 .89 .89 .88 .88	.26 .23 .19 .16 .14	7.9 8.0 8.1 8.2 8.4	.90 .90 .89 .89 .88	.24 .21 .18 .15 .12	7.8 7.9 8.0 8.2 8.3	95 .91 .93 .92 .91
.90 .89 .88 .87 .86	.86 .85 .85 .84 .84	.16 8.7 .14 8.8 .12 8.9 .10 9.0 .08 9.1	.86 .86 .85 .85 .85	.15 .13 .11 .09 .07	8.7 8.7 8.8 8.9 9.0	.87 .86 .86 .85 .85	.13 .11 .09 .07 .05	8.6 8.7 8.8 8.9 8.9	.87 .87 .86 .86 .85	.12 .09 .07 .05 .04	8.5 8.6 8.7 8.8 8.9	.88 .87 .87 .86 .86	.10 .08 .06 .04 .02	8.4 8.5 8.6 8.7 8.8	.90 89 .88 .87 .86
.85 .84 .83 .82 .81	.83 .83 .82 .82 .81	.06 9.2 .05 9.3 .03 9.3 .02 9.4 .00 9.5	.84 .83 .83 .82	.05 .03 .02 .00	9.1 9.2 9.3 9.3	.84 .84 .83	.03 .02 .00	9.0 9.1 9.2	.85 .84	.02 .00	8.9 9.0	.85	.00	8.9	.85 .84 .83 .82 .81
2 ₁₁	P P	(2.86) 5 A	P	er.	87/ 	p	Pro-	 4	Þ	°L= F	89 4	P		90) ය	3 ::
.99 .98 .97 .96	.94 .93 .92 .92	.46 6.8 .37 7.1 .31 7.3 .26 7.5	.94 .93 .93 .92	.45 .36 .30 .25	6.7 7.0 7.2 7.4	.95 .94 .93 .92	.43 .34 .28 .23	6.5 6.8 7.1 7.3	.95 .94 .93 .93	.41 .32 .26 .21	6.4 6.7 6.9 7.2	.95 .95 .94 .93	.39 .30 .24 .19	6.3 6.6 6.8 7.0	.99 .98 .97 .96
.95 .94 .93 .92 .91	91 .90 .90 .89 .89	.22 7.7 .19 7.8 .16 7.9 .13 8.1 .10 8.2	.91 .91 .90 .90 .89	.21 .17 .14 .11 .09	7.6 7.7 7.8 8.0 8.1	.92 .91 91 .90 .90	.19 .15 .12 .09 .07	7.5 7.6 7.7 7.9 8.0	.92 .92 .91 .91 .90	.17 .13 .10 .07 .05	7.3 7.5 7.6 7.8 7.9	.93 .92 .92 .91 .91	.15 .11 .08 .05 .02	7.2 7.3 7.5 7.6 7.8	.95 .94 .93 .92 .91
.90 .89 .88 .87 .86	.88 .88 .87 .87 .86	.08 8.3 .06 8.4 .04 8.5 .02 8.6 .00 8.7	.89 .88 .88 .87	.06 .04 .02 .00	8.2 8.3 8.4 8.5	.89 .89 .88	.04 .02 .00	8.1 8.2 8.3	.90 .89	.02 .00	8.0 8.1	.90	.00	7.9	.90 .89 .88 .87 .8
9 ₁₁	P P	1(= *) *	•	р ₁₇ -	92 	P	ЧЪС Г	.93 Д	P	er-	94 A	2	р. Т.	95 : A	P _a
.99 .98 .97 .96	.95 .94 .94	.28 6.4 .22 6.7 .16 6.9	.95 95 94	.26 .19 .14	6.3 6.5 6.7	.95 .95	.1 6 .11	6.4 6.6	.95	.08	6.4		í	-	.99 .98 .97 .96
.95 .94 .93 .92 .91	.93 .93 .92 .92 .91	.12 7.0 .09 7.2 .05 7.4 .02 7.9 .00 7.0) .94 2 .93 4 .93 5 .92	.10 .06 .03 .00	6.9 7.1 7.2 7.4	.94 .94 .93	.07 .03 .00	6.7 6.9 7.1	.95 .94	.04	6.6 6.8	.95		6.4	.95 .94 .93 .92 .91
The	values of r	and <u>∧</u> are	not listed v	hen po	over .95	บัญชี	นี้ไม่บอ	กค่า r แข	ะ 🛆 เมื่อ	р มาก :	กว่า .95				

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