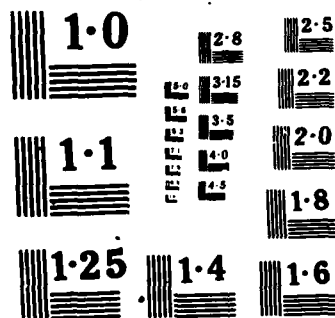


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A 10x10 grid of 100 squares. The top-left corner contains a small white area with a ruler scale from 0 to 10 cm. The rest of the grid is black.



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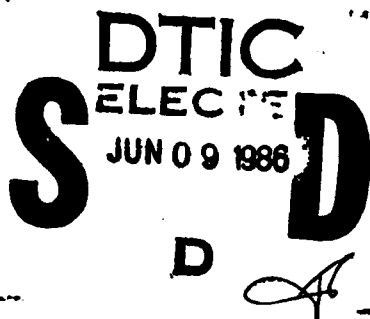
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ETL - 0418

Cumulative probability for
testing consensus in
ranking experiments

Michael A. Crombie
Jennifer Webb



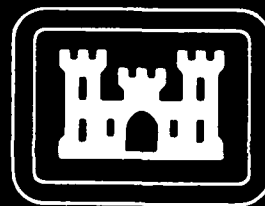
May 1986

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Prepared for
U.S. ARMY CORPS OF ENGINEERS
ENGINEER TOPOGRAPHIC LABORATORIES
FORT BELVOIR, VIRGINIA 22060-5546

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PREFACE

This study was conducted under DA Project 4A762707A855, Task B, Work Unit 00026, "Topographic Mapping Technology."

The FORTRAN program was developed by Ms. Jennifer Webb, a junior at Virginia Polytechnic Institute, during the summer of 1984.

The study was performed under the supervision of Mr. D. E. Howell, Chief, Information Sciences Division; and Mr. L. A. Gambino, Director, Computer Sciences Laboratory.

COL Alan L. Laubscher, CE, was Commander and Director, and Mr. Walter E. Boge was Technical Director of the Engineer Topographic Laboratories during the report preparation.



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ILLUSTRATIONS

FIGURES

TITLE

- | | |
|---|--|
| 1 | Resultant Score Matrices for $M=4$ and $R=3$ |
| 2 | Expected Value of S_k |
| 3 | Resultant and Review Matrix Count |

CUMULATIVE PROBABILITY TABLES FOR TESTING CONSENSUS IN RANKING EXPERIMENTS

INTRODUCTION

Analysts, at times, select the best of several alternative options through ranking experiments.¹ Generally, N judges rank M options independently of one another and in such a manner that ties from an individual judge are not allowed. If the number of options is not large and there are obvious difference among them so that a consensus is guaranteed, then there is usually no problem. There is concern, however, about people being able to provide accurate rankings when asked to rank M options or objects according to an agreed criterion when several or all of the alternatives are similar. The purpose of the tables associated with this work is to provide a statistical basis for determining whether rank ordering of alternatives can best be determined by reviewing the M options all at once or ranking $R < M$ at a time. Such an inquiry into what a set of experts really mean when ordering M options might prove useful in artificial intelligence work when the knowledge engineer attempts to elicit from experts how they rank options.

DEVELOPMENT OF PROBABILITY TABLES

The probability tables were developed by simulating the ranking experiment on a computer. The algorithm was coded in FORTRAN and executed on the VAX 11/750 computer at the U.S. Army Engineer Topographic Laboratories (ETL).

SCORE MATRICES. The simplest way to organize each judge's rankings is to record the $C_{M,R}$ results additively to the M by M score matrix. The symbol $C_{M,R} = M!/(M-R)!R!$ represents the combination of M things taken R at a time. The score matrix is an identity matrix initially. The ones along the diagonals ensure that each of the M alternatives will have at least a score of 1. The $C_{M,R}$ result matrices can also be thought of as M by M matrices, zero matrices initially. If the experiment calls for R of the M options to be ranked at a time, then each of the resultant matrices are composed of $(M^2 - R)$ zeros and R ones. A one in the i row and j column means that option M_i was adjudged superior to option M_j . Since ties are not allowed, the element in the j row and i column is necessarily zero.

As an example, consider the case where $M = 4$ and the experiment calls for three of the four options to be ranked unambiguously at a time. There will be $C_{4,3} = 4$ resultant score matrices. Label the four options a, b, c, and d, then at one time or another, a judge would be required to review (a, b, c), (a, b, d), (a, c, d) and (b, c, d). The six possible resultant matrices for each of the reviews are listed in figure 1.

¹ M. Crombie and J. Benson, An Extension of Kendall's Concordance Test Where Ties Are Allowed, U.S. Army Engineer Topographic Laboratories, Fort Belvoir, VA, ETL-0305, October 1982.

The total score for a judge's efforts is obtained by summing across each row of the score matrix. For example, suppose in the case when $M = 4$ and $R = 3$, a judge selected the first of each of six possibilities for the four resultant matrices. Then from figure 1, the score matrix would be:

M_1	1	2	2	2	7
M_2		1	2	2	5
M_3			1	2	3
M_4				1	1

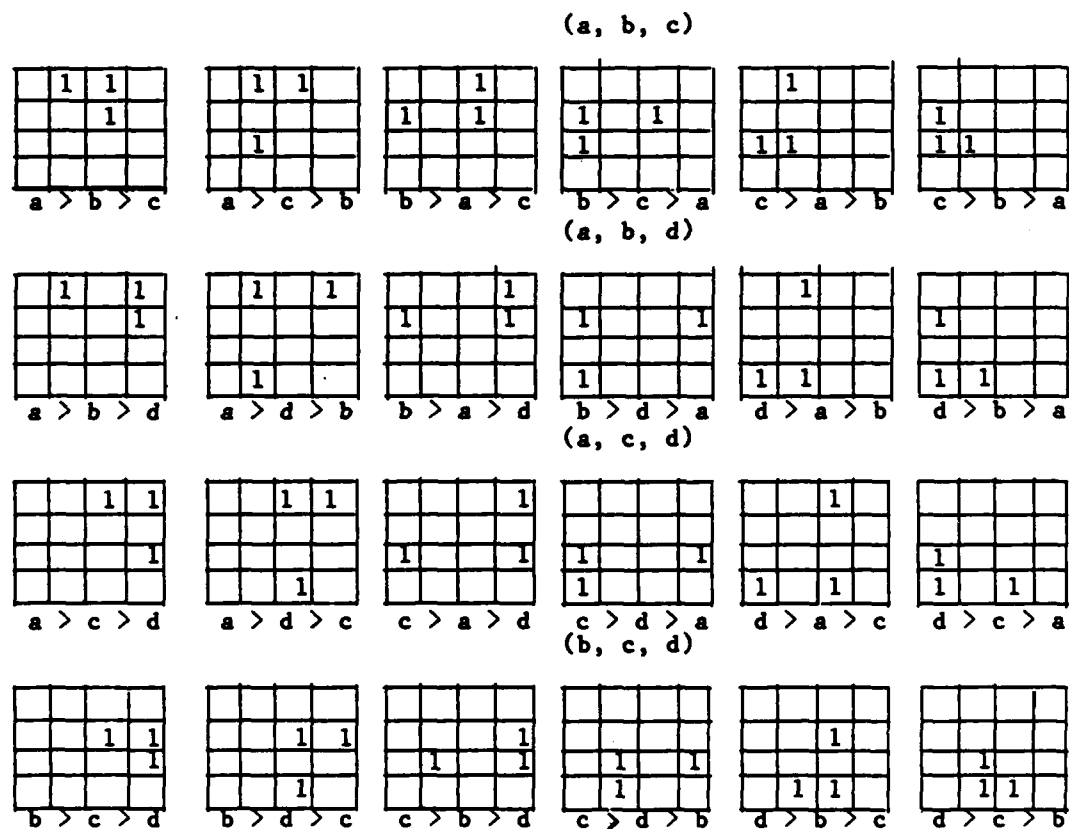


Figure 1. Resultant score matrices for $M=4$ and $R=3$.

Suppose another judge selected the 1st, 3rd, 5th, and 6th possibilities for the four resultant matrices. Then, again from figure 1, his final score matrix would be:

M_1	1	1	2	1	5
M_2	1	1	1	1	4
M_3		1	1		2
M_4	1	1	2	1	5

In the first example, a clear distinction is made among the four alternatives; whereas, in the second example the judge appears to feel both options M_1 and M_4 are equal and better than option M_2 and definitely better than option M_3 .

Definition of Random Variable. Assume that the experiment calls for N judges to rank M options by performing $C_{M,R}$ reviews where R of the M options are ranked unambiguously for each review. Organize the N scores into an N by M matrix and compute S'_k , the sum of the $k = 1, M$ columns. If S_k is the expected value of each sum under the hypothesis that the rankings are random, then the random variable J is simply $J = (S'_k - S_k)^2$. The expected values of S_k for the experimental conditions considered in this research note are given in figure 2.

<u>$M = 3$</u>	<u>Expected Value S_k</u>
2 at a time	$2N$
3 at a time	$2N$
<u>$M = 4$</u>	
2 at a time	$5N/2$
3 at a time	$4N$
4 at a time	$5N/2$
<u>$M = 5$</u>	
2 at a time	$3N$
3 at a time	$7N$
4 at a time	$7N$
5 at a time	$3N$

Figure 2. Expected value of S_k .

Monte Carlo Approach. Monte Carlo methods were used to generate the nine tables developed under this work. Consider as an example figure 1, where individual result matrices are presented for $M = 4$ and $R = 3$. Choose a specific value of N (number of judges) in the range $3 \leq N \leq 12$. Recall that the tables pertain to a hypothesis of a random ranking by the N judges. Using a pseudo random number generator, select one of the six possible resultant matrices for (a, b, c). In the same manner select one of the six possible resultant matrices for (a, b, d), (a, c, d) and (b, c, d). Add the four resultant matrices to the (4×4) identity matrix and sum the rows to obtain one judge's score. Enter this result in the first row of the N by M matrix described above. Repeat the operation $(N - 1)$ times and sum the columns and compute the J value as described above. A total of 400,000 such calculations were performed, from which sample density functions were developed, and from those results the cumulative probability tables were developed.

Description of Tables. The nine tables were calculated in a manner similar to the example given above. The number of resultant matrices and reviews varied according to M and R . These values and the oddness or evenness of the argument J are given in figure 3.

	<u>Resultant Matrices</u>	<u>Reviews</u>	<u>J-Value</u>	
			<u>N-odd</u>	<u>N-even</u>
<u>M = 3</u>				
2 at a time	2	3	Even	Even
3 at a time	6	1	Even	Even
<u>M = 4</u>				
2 at a time	2	6	Odd	Even
3 at a time	6	4	Even	Even
4 at a time	24	1	Odd	Even
<u>M = 5</u>				
2 at a time	2	10	Even	Even
3 at a time	6	10	Even	Even
4 at a time	24	5	Even	Even
5 at a time	120	1	Even	Even

Figure 3. Resultant and review matrix count.

The cumulative probability tables for each of the nine (M,R) values were presented in two parts. The first part pertains to odd values of N and the second part to even values of N . This arrangement was for neatness, and in the case of $M = 4$; $R = 2$ and 4, it was a necessity.

DISCUSSION

Tables similar to those developed in this work were found to be useful in previous work at the Computer Sciences Laboratory, ETL.² In that work the experiment involved 12 judges ranking six radar compression methods by examining a set of targets that had been compressed and decompressed. The target images were presented in pairs to the analysts on a TV display. Thus, the experiment involved ranking $M = 6$ methods by reviewing $C_{6,2} = 15$ comparisons. In one of the conclusions from that work, concern was expressed over the validity of many multivariate analyses using large numbers of components, where unknown internal relationships tend to contaminate results. The derived cumulative probability tables and the history of the comparisons enabled the authors to review some of the substructures of the experiment--a review that would have been impossible without the tables. For example, 6 of the 12 judges were regarded as experienced radar interpreters and the other 6 were not. We were able to demonstrate that the six experienced radar analysts were consistent in their evaluation of three of the compression methods that turned out to be, for all practical purposes, equivalent. The inexperienced analysts were shown to be inconsistent.

There is always the question of time and money. Reviewing and ranking C_{MR} sets of options, R at a time, will certainly take longer and cost more than ranking M options all at once. The question to be resolved is, Just what do we get for the effort? Can an analyst honestly review large numbers of options at one sitting, while juggling one or more criteria? The probability tables from this work will enable analysts to answer such questions.

²M. Crombie and J. Benson, An Extension of Kendall's Concordance Test Where Ties are Allowed, U.S. Army Engineer Topographic Laboratories, Fort Belvoir, VA, ETL-0305, October 1982.

CONCLUSIONS

1. Cumulative probability tables are provided which will allow analysts to determine whether rank ordering of M alternatives by N judges can best be evaluated by reviewing the M alternatives all at once, or by ranking $R < M$ alternatives at a time.
2. The procedure realistically allows for ties in a judge's overall ranking, a condition not allowed in Kendall's concordance tables.

APPENDIX. CUMULATIVE PROBABILITY TABLES

In each of the nine tables and for each value of N , 400,000 sample J values as described above were calculated to develop the sample density functions and finally the sample cumulative functions. The results are presented to three decimal places.

TABLE 1

M=3,N ODD: TIES ALLOWED

J	3	5	7	9	11
0	.110	.068	.050	.040	.032
2	.567	.395	.302	.245	.204
6	.778	.597	.480	.401	.343
8	.918	.755	.628	.536	.467
14	.988	.900	.801	.713	.640
18	1.000	.943	.860	.779	.708
24		.961	.894	.823	.757
26		.989	.949	.896	.842
32		.994	.965	.920	.872
38		.998	.981	.951	.913
42		1.000	.992	.973	.945
50			.995	.979	.955
54			.996	.983	.963
56			.998	.991	.976
62			.999	.995	.985
72			1.000	.996	.988
74				.998	.992
78				.999	.995
86				.999	.997
96				1.000	.997
98					.999
104					.999
114					1.000

TABLE 1

M=3, N EVEN: TIES ALLOWED

J	4	6	8	10	12
0	.085	.058	.044	.036	.030
2	.465	.343	.271	.224	.190
6	.676	.531	.437	.370	.321
8	.831	.686	.578	.498	.439
14	.948	.849	.755	.675	.611
18	.978	.903	.819	.743	.676
24	.986	.929	.858	.789	.726
26	.998	.972	.924	.869	.814
32	1.000	.982	.944	.896	.846
38		.992	.968	.932	.892
42		.998	.984	.959	.929
50		.999	.988	.968	.941
54		.999	.991	.974	.950
56		1.000	.995	.984	.967
62			.998	.991	.978
72			.998	.993	.981
74			.999	.995	.987
78			1.000	.997	.992
86				.999	.995
96				.999	.995
98				1.000	.998
104					.999
114					.999
122					.999
126					1.000

TABLE 2

M=3,N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
0	.056	.046	.036	.029	.024
2	.473	.308	.232	.187	.155
6	.639	.478	.380	.315	.267
8	.806	.633	.514	.432	.370
14	.972	.818	.696	.603	.530
18	1.000	.876	.763	.671	.596
24		.907	.808	.722	.648
26		.961	.888	.812	.743
32		.976	.915	.845	.781
38		.992	.948	.894	.837
42		.999	.973	.931	.884
50		1.000	.979	.943	.900
54			.984	.952	.914
56			.992	.969	.938
62			.996	.981	.957
72			.997	.984	.962
74			.999	.990	.973
78			1.000	.994	.981
86				.996	.987
96				.997	.989
98				.999	.993
104				.999	.996
114				1.000	.997
122					.998
126					.999
128					.999
134					.999
146					1.000

TABLE 2

M=3, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
0	.070	.044	.033	.026	.022
2	.348	.259	.207	.170	.144
6	.570	.430	.348	.290	.249
8	.727	.571	.471	.399	.346
14	.876	.748	.645	.564	.500
18	.931	.816	.716	.632	.565
24	.959	.858	.765	.684	.617
26	.995	.928	.851	.777	.712
32	1.000	.948	.881	.812	.750
38		.971	.921	.864	.809
42		.988	.953	.907	.859
50		.992	.962	.922	.877
54		.994	.970	.933	.892
56		.998	.982	.954	.920
62		1.000	.990	.970	.942
72			.992	.974	.949
74			.995	.982	.962
78			.998	.988	.972
86			.999	.993	.980
96			.999	.994	.983
98			1.000	.997	.989
104				.998	.993
114				.999	.995
122				.999	.996
126				.999	.997
128				1.000	.998
134					.998
146					.999
150					.999
152					.999
158					1.000

TABLE 3

M=4,N ODD: TIES ALLOWED

J	3	5	7	9	11
1	.112	.058	.036	.026	.019
3	.224	.122	.079	.057	.043
5	.474	.283	.191	.140	.108
9	.647	.420	.298	.224	.176
11	.748	.511	.373	.285	.227
13	.821	.587	.438	.340	.273
17	.897	.690	.536	.427	.349
19	.923	.733	.579	.466	.385
21	.961	.803	.653	.537	.449
25	.973	.833	.688	.573	.483
27	.981	.859	.721	.607	.515
29	.993	.906	.786	.676	.582
33	.996	.927	.818	.713	.620
35	.998	.944	.846	.746	.655
37	.999	.951	.858	.761	.670
41	1.000	.969	.895	.808	.723
43		.973	.903	.819	.735
45		.982	.924	.847	.768
49		.986	.935	.864	.788
51		.989	.944	.878	.806
53		.992	.955	.896	.829
57		.994	.961	.906	.842
59		.996	.968	.919	.859
61		.997	.974	.931	.875
65		.998	.981	.943	.893
67		.998	.982	.946	.897
69		.999	.986	.956	.912
73		.999	.988	.960	.918
75		.999	.990	.964	.924
77		1.000	.992	.970	.935
81			.994	.975	.944
83			.995	.978	.950
85			.996	.980	.953
89			.997	.985	.962
91			.997	.986	.965
93			.998	.988	.967
97			.998	.989	.969
99			.998	.990	.972
101			.999	.992	.978
105			.999	.994	.981
107			.999	.994	.983
109			.999	.995	.984
113			1.000	.996	.986
115				.996	.987
117				.997	.989
121				.997	.990
123				.997	.991
125				.998	.992
129				.998	.994
131				.999	.995

TABLE 3 (CONTINUED)

M=4,N ODD: TIES ALLOWED

J	3	5	7	9	11
133				.999	.995
137				.999	.995
139				.999	.996
141				.999	.996
145				.999	.997
147				.999	.997
149				1.000	.998
153					.998
155					.998
157					.998
161					.999
163					.999
165					.999
169					.999
171					.999
173					.999
177					.999
179					.999
181					.999
185					1.000

TABLE 3

M=4,N EVEN: TIES ALLOWED

J	4	6	8	10	12
0	.014	.008	.005	.004	.003
2	.154	.092	.063	.046	.035
4	.210	.128	.088	.065	.050
6	.386	.250	.178	.135	.106
8	.456	.303	.218	.167	.131
10	.567	.392	.289	.225	.179
12	.596	.417	.310	.242	.194
14	.735	.548	.422	.337	.275
16	.749	.561	.435	.348	.285
18	.814	.632	.501	.406	.337
20	.848	.673	.540	.442	.369
22	.874	.707	.574	.474	.399
24	.894	.736	.605	.504	.425
26	.940	.811	.686	.583	.500
30	.959	.847	.729	.626	.542
32	.963	.854	.738	.636	.552
34	.973	.880	.771	.672	.588
36	.978	.893	.790	.692	.608
38	.987	.921	.829	.736	.654
40	.990	.928	.840	.749	.668
42	.993	.941	.860	.773	.694
44	.994	.947	.869	.784	.706
46	.996	.956	.885	.804	.727
48	.996	.957	.887	.808	.731
50	.998	.968	.908	.836	.764
52	.998	.971	.914	.843	.772
54	.999	.980	.933	.870	.804
56	.999	.983	.941	.882	.819
58	1.000	.985	.945	.888	.825
62		.989	.956	.905	.848
64		.989	.957	.906	.849
66		.992	.965	.921	.868
68		.994	.969	.928	.877
70		.995	.972	.934	.885
72		.995	.974	.938	.891
74		.997	.981	.950	.908
76		.997	.982	.952	.911
78		.998	.984	.956	.917
80		.998	.985	.957	.920
82		.998	.986	.960	.925
84		.998	.988	.963	.929
86		.999	.990	.970	.939
88		.999	.991	.971	.941
90		.999	.993	.976	.950
94		1.000	.994	.979	.956
96			.995	.980	.957
98			.996	.983	.963
100			.996	.984	.964
102			.997	.985	.966
104			.997	.987	.969

TABLE 3 (CONTINUED)

M=4, N EVEN: TIES ALLOWED

J	4	6	8	10	12
106			.998	.988	.971
108			.998	.989	.973
110			.998	.991	.977
114			.999	.992	.980
116			.999	.993	.981
118			.999	.994	.983
120			.999	.994	.984
122			.999	.995	.986
126			1.000	.996	.988
128				.996	.988
130				.997	.989
132				.997	.990
134				.997	.992
136				.998	.992
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148				.999	.995
150				.999	.996
152				.999	.996
154				.999	.996
158				.999	.997
160				.999	.997
162				.999	.997
164				.999	.998
166				1.000	.998
168					.998
170					.998
172					.998
174					.999
176					.999
178					.999
180					.999
182					.999
184					.999
186					.999
190					.999
192					.999
194					.999
196					.999
198					.999
200					1.000

TABLE 4

M=4, N ODD: 3 @ A TIME

J	3	5	7	9	11
0	.005	.003	.001	.001	.001
2	.060	.031	.019	.013	.010
4	.085	.044	.027	.019	.014
6	.173	.091	.058	.041	.031
8	.211	.114	.073	.052	.040
10	.281	.155	.101	.073	.055
12	.302	.168	.110	.079	.060
14	.414	.240	.161	.117	.089
16	.426	.249	.167	.121	.093
18	.492	.296	.201	.148	.114
20	.532	.325	.223	.164	.127
22	.567	.352	.243	.181	.140
24	.598	.378	.263	.196	.153
26	.681	.449	.320	.241	.189
30	.725	.490	.354	.269	.212
32	.734	.500	.362	.275	.218
34	.768	.535	.392	.301	.239
36	.787	.555	.411	.316	.252
38	.827	.601	.452	.351	.282
40	.839	.616	.465	.362	.292
42	.860	.643	.490	.384	.310
44	.869	.655	.501	.394	.319
46	.886	.678	.523	.414	.337
48	.888	.681	.527	.417	.340
50	.910	.715	.562	.449	.368
52	.916	.724	.571	.458	.376
54	.935	.759	.607	.492	.407
56	.944	.775	.624	.508	.422
58	.948	.782	.632	.515	.429
62	.959	.807	.661	.544	.456
64	.960	.809	.663	.546	.457
66	.969	.831	.690	.572	.483
68	.973	.841	.702	.585	.495
70	.976	.851	.714	.597	.506
72	.978	.857	.722	.606	.515
74	.984	.878	.749	.634	.542
76	.985	.882	.754	.639	.547
78	.987	.889	.764	.650	.558
80	.988	.892	.768	.655	.563
82	.989	.898	.777	.664	.572
84	.990	.904	.785	.673	.581
86	.993	.917	.804	.695	.604
88	.994	.919	.808	.699	.608
90	.995	.930	.825	.720	.629
94	.996	.938	.838	.734	.645
96	.997	.939	.840	.738	.648
98	.997	.947	.853	.753	.665
100	.998	.948	.857	.757	.669
102	.998	.951	.862	.764	.676
104	.998	.955	.869	.773	.686

TABLE 4 (CONTINUED)

M=4, N ODD: 3 @ A TIME

J	3	5	7	9	11
106	.999	.959	.876	.782	.696
108	.999	.960	.879	.785	.700
110	.999	.966	.891	.801	.718
114	.999	.969	.898	.811	.729
116	.999	.972	.903	.818	.737
118	1.000	.974	.908	.825	.745
120		.975	.911	.829	.750
122		.978	.918	.840	.762
126		.981	.926	.852	.776
128		.982	.927	.853	.777
130		.983	.929	.856	.781
132		.983	.932	.860	.785
134		.986	.939	.871	.800
136		.987	.941	.875	.804
138		.988	.945	.881	.811
140		.989	.947	.883	.814
142		.989	.948	.886	.818
144		.990	.949	.888	.820
146		.992	.955	.898	.833
148		.992	.956	.899	.834
150		.993	.960	.905	.842
152		.993	.962	.908	.846
154		.994	.964	.913	.852
158		.995	.966	.916	.857
160		.995	.967	.917	.858
162		.995	.969	.921	.864
164		.996	.971	.925	.868
166		.996	.973	.929	.874
168		.996	.974	.931	.876
170		.997	.976	.935	.883
172		.997	.977	.936	.884
174		.997	.979	.940	.890
176		.998	.979	.941	.891
178		.998	.981	.944	.895
180		.998	.981	.945	.897
182		.998	.983	.949	.902
184		.998	.984	.950	.904
186		.999	.985	.953	.909
190		.999	.986	.954	.910
192		.999	.986	.954	.911
194		.999	.987	.959	.918
196		.999	.988	.960	.920
198		.999	.989	.962	.923
200		.999	.989	.963	.925
202		.999	.990	.965	.927
204		.999	.990	.965	.928
206		.999	.992	.969	.934
208		.999	.992	.969	.935
210		.999	.992	.971	.937
212		1.000	.992	.972	.938

TABLE 4 (CONTINUED)

M=4,N ODD: 3 @ A TIME

J	3	5	7	9	11
214			.993	.972	.940
216			.993	.974	.942
218			.994	.975	.944
222			.994	.976	.947
224			.994	.977	.948
226			.995	.978	.950
228			.995	.978	.950
230			.996	.980	.954
232			.996	.981	.954
234			.996	.982	.958
236			.996	.983	.959
238			.997	.983	.960
242			.997	.984	.962
244			.997	.985	.963
246			.997	.986	.964
248			.997	.986	.965
250			.998	.987	.967
254			.998	.988	.969
256			.998	.988	.969
258			.998	.989	.970
260			.998	.989	.971
262			.998	.989	.971
264			.998	.990	.972
266			.998	.991	.974
268			.998	.991	.975
270			.999	.992	.976
272			.999	.992	.976
274			.999	.992	.977
276			.999	.993	.978
278			.999	.993	.979
280			.999	.993	.980
282			.999	.993	.980
286			.999	.994	.981
288			.999	.994	.981
290			.999	.994	.983
292			.999	.995	.983
294			.999	.995	.984
296			.999	.995	.984
298			.999	.995	.985
300			.999	.995	.985
302			.999	.996	.986
304			.999	.996	.986
306			1.000	.996	.987
308				.996	.987
310				.996	.988
312				.996	.988
314				.997	.989
318				.997	.989
320				.997	.990
322				.997	.990

TABLE 4 (CONTINUED)

M=4,N ODD: 3 @ A TIME

J	3	5	7	9	11
324				.997	.990
326				.997	.991
328				.997	.991
330				.998	.991
332				.998	.992
334				.998	.992
336				.998	.992
338				.998	.992
340				.998	.992
342				.998	.993
344				.998	.993
346				.998	.993
350				.998	.994
352				.998	.994
354				.999	.994
356				.999	.994
358				.999	.995
360				.999	.995
362				.999	.995
364				.999	.995
366				.999	.995
370				.999	.996
372				.999	.996
374				.999	.996
376				.999	.996
378				.999	.996
382				.999	.996
384				.999	.996
386				.999	.997
388				.999	.997
390				.999	.997
392				.999	.997
394				.999	.997
396				.999	.997
398				.999	.997
400				.999	.997
402				.999	.997
404				1.000	.997
406					.998
408					.998
410					.998
414					.998
416					.998
418					.998
420					.998
422					.998
424					.998
426					.998
428					.998
430					.998

TABLE 4 (CONTINUED)

M=4,N ODD: 3 @ A TIME

J	3	5	7	9	11
432					.998
434					.999
436					.999
438					.999
440					.999
442					.999
446					.999
450					.999
452					.999
454					.999
456					.999
458					.999
460					.999
462					.999
464					.999
466					.999
468					.999
470					.999
472					.999
474					.999
478					.999
480					.999
482					.999
484					.999
486					.999
488					.999
490					.999
492					.999
494					.999
498					.999
500					1.000

TABLE 4

M=4, N EVEN: 3 @ A TIME

J	4	6	8	10	12
0	.003	.002	.001	.001	.001
2	.041	.023	.015	.011	.009
4	.059	.034	.022	.016	.013
6	.122	.071	.048	.036	.028
8	.151	.090	.061	.045	.035
10	.204	.124	.085	.063	.049
12	.220	.134	.092	.069	.054
14	.308	.194	.136	.102	.080
16	.318	.201	.141	.106	.083
18	.375	.241	.171	.129	.102
20	.409	.267	.191	.144	.114
22	.440	.291	.209	.158	.126
24	.468	.313	.226	.172	.138
26	.547	.377	.276	.213	.170
30	.591	.414	.306	.238	.191
32	.601	.423	.314	.244	.196
34	.638	.456	.342	.267	.215
36	.659	.475	.358	.280	.227
38	.705	.519	.396	.313	.255
40	.719	.533	.408	.323	.264
42	.744	.559	.431	.344	.281
44	.756	.571	.442	.353	.290
46	.777	.594	.463	.372	.306
48	.781	.597	.466	.375	.309
50	.811	.632	.500	.405	.336
52	.820	.642	.510	.413	.343
54	.849	.678	.545	.445	.373
56	.862	.694	.562	.461	.386
58	.868	.702	.570	.468	.393
62	.888	.731	.599	.496	.418
64	.889	.732	.600	.498	.420
66	.906	.757	.627	.525	.444
68	.913	.769	.640	.537	.455
70	.920	.780	.652	.549	.467
72	.925	.788	.661	.558	.475
74	.939	.812	.689	.586	.502
76	.941	.816	.694	.591	.507
78	.946	.825	.704	.601	.517
80	.948	.829	.709	.606	.522
82	.952	.837	.718	.616	.532
84	.956	.844	.727	.625	.541
86	.963	.860	.748	.648	.563
88	.965	.864	.752	.652	.567
90	.971	.878	.772	.673	.588
94	.975	.889	.786	.689	.603
96	.976	.891	.789	.692	.607
98	.980	.902	.803	.709	.624
100	.981	.904	.807	.713	.628
102	.982	.908	.813	.720	.635
104	.984	.914	.821	.729	.645

TABLE 4 (CONTINUED)

M=4, N EVEN: 3 @ A TIME

J	4	6	8	10	12
106	.986	.920	.829	.738	.655
108	.987	.922	.832	.742	.659
110	.989	.931	.847	.759	.677
114	.991	.937	.856	.770	.689
116	.992	.941	.862	.778	.697
118	.993	.945	.868	.785	.705
120	.993	.947	.871	.790	.710
122	.994	.952	.881	.801	.723
126	.996	.958	.891	.814	.738
128	.996	.958	.892	.815	.739
130	.996	.960	.895	.819	.743
132	.996	.962	.898	.823	.748
134	.997	.966	.907	.836	.762
136	.997	.968	.910	.839	.766
138	.998	.970	.915	.846	.774
140	.998	.971	.917	.849	.778
142	.998	.973	.919	.852	.781
144	.998	.973	.921	.854	.784
146	.999	.977	.929	.866	.798
148	.999	.978	.930	.867	.800
150	.999	.980	.934	.874	.808
152	.999	.981	.937	.878	.813
154	.999	.982	.940	.883	.819
158	.999	.984	.944	.888	.825
160	.999	.984	.944	.889	.826
162	.999	.985	.947	.894	.832
164	.999	.986	.950	.898	.837
166	1.000	.987	.953	.903	.844
168		.988	.955	.905	.847
170		.989	.958	.911	.854
172		.990	.959	.912	.855
174		.991	.962	.917	.861
176		.991	.962	.918	.863
178		.991	.964	.921	.867
180		.992	.965	.923	.870
182		.993	.968	.927	.876
184		.993	.969	.929	.878
186		.994	.971	.933	.884
190		.994	.972	.934	.885
192		.994	.972	.934	.886
194		.995	.975	.940	.894
196		.995	.976	.942	.896
198		.996	.977	.944	.900
200		.996	.978	.946	.903
202		.996	.979	.947	.905
204		.996	.980	.948	.906
206		.997	.982	.953	.913
208		.997	.982	.953	.914
210		.997	.983	.955	.917
212		.997	.984	.956	.918

TABLE 4 (CONTINUED)

M=4,N EVEN: 3 @ A TIME

J	4	6	8	10	12
214		.997	.984	.957	.920
216		.998	.985	.959	.923
218		.998	.986	.961	.925
222		.998	.987	.963	.929
224		.998	.987	.963	.930
226		.998	.988	.965	.931
228		.998	.988	.965	.932
230		.999	.989	.968	.937
232		.999	.989	.968	.937
234		.999	.991	.971	.941
236		.999	.991	.972	.943
238		.999	.991	.973	.944
242		.999	.992	.974	.946
244		.999	.992	.975	.948
246		.999	.993	.976	.950
248		.999	.993	.977	.951
250		.999	.994	.978	.953
254		.999	.994	.980	.956
256		.999	.994	.980	.956
258		.999	.994	.980	.957
260		1.000	.995	.981	.959
262			.995	.981	.959
264			.995	.982	.961
266			.996	.983	.963
268			.996	.984	.963
270			.996	.985	.965
272			.996	.985	.966
274			.996	.986	.967
276			.997	.986	.968
278			.997	.987	.970
280			.997	.987	.970
282			.997	.988	.971
286			.997	.988	.972
288			.997	.988	.972
290			.998	.989	.974
292			.998	.989	.974
294			.998	.990	.975
296			.998	.990	.976
298			.998	.991	.977
300			.998	.991	.977
302			.998	.991	.978
304			.998	.991	.978
306			.998	.992	.979
308			.998	.992	.980
310			.999	.992	.980
312			.999	.993	.981
314			.999	.993	.982
318			.999	.994	.983
320			.999	.994	.983
322			.999	.994	.983

TABLE 4 (CONTINUED)

M=4,N EVEN: 3 @ A TIME

J	4	6	8	10	12
324			.999	.994	.984
326			.999	.995	.985
328			.999	.995	.985
330			.999	.995	.986
332			.999	.995	.986
334			.999	.995	.986
336			.999	.995	.987
338			.999	.996	.987
340			.999	.996	.987
342			.999	.996	.988
344			.999	.996	.988
346			.999	.996	.989
350			.999	.996	.989
352			1.000	.997	.990
354				.997	.990
356				.997	.990
358				.997	.991
360				.997	.991
362				.997	.991
364				.997	.992
366				.997	.992
370				.998	.992
372				.998	.992
374				.998	.993
376				.998	.993
378				.998	.993
382				.998	.993
384				.998	.993
386				.998	.994
388				.998	.994
390				.998	.994
392				.998	.994
394				.998	.994
396				.999	.995
398				.999	.995
400				.999	.995
402				.999	.995
404				.999	.995
406				.999	.996
408				.999	.996
410				.999	.996
414				.999	.996
416				.999	.996
418				.999	.996
420				.999	.996
422				.999	.996
424				.999	.996
426				.999	.997
428				.999	.997
430				.999	.997

TABLE 4 (CONTINUED)

M=4,N EVEN: 3 @ A TIME

J	4	6	8	10	12
432				.999	.997
434				.999	.997
436				.999	.997
438				.999	.997
440				.999	.997
442				.999	.997
446				.999	.998
450				1.000	.998
452					.998
454					.998
456					.998
458					.998
460					.998
462					.998
464					.998
466					.998
468					.998
470					.998
472					.998
474					.998
478					.998
480					.998
482					.999
484					.999
486					.999
488					.999
490					.999
492					.999
494					.999
498					.999
500					.999
502					.999
504					.999
506					.999
510					.999
512					.999
514					.999
516					.999
518					.999
520					.999
522					.999
524					.999
526					.999
528					.999
530					.999
534					.999
536					.999
538					.999
542					.999
546					.999

TABLE 4 (CONTINUED)

M=4,N EVEN: 3 @ A TIME

J	4	6	8	10	12
548					.999
550					1.000

TABLE 5

M=4, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
1	.042	.025	.017	.012	.009
3	.090	.056	.037	.026	.020
5	.273	.143	.095	.068	.052
9	.393	.229	.156	.114	.088
11	.476	.291	.202	.148	.116
13	.554	.347	.243	.182	.142
17	.658	.438	.316	.239	.190
19	.700	.479	.349	.266	.212
21	.794	.555	.411	.318	.254
25	.825	.592	.444	.347	.279
27	.853	.628	.477	.375	.304
29	.926	.702	.545	.435	.356
33	.947	.740	.583	.470	.387
35	.967	.775	.619	.503	.417
37	.982	.791	.635	.519	.431
41	.998	.839	.691	.573	.483
43	1.000	.849	.704	.586	.495
45		.877	.738	.622	.529
49		.894	.761	.646	.552
51		.907	.779	.666	.572
53		.925	.805	.694	.600
57		.934	.819	.711	.617
59		.946	.839	.734	.641
61		.956	.857	.755	.664
65		.966	.877	.781	.691
67		.969	.882	.787	.698
69		.977	.900	.809	.723
73		.980	.907	.819	.734
75		.983	.914	.830	.746
77		.988	.926	.847	.766
81		.991	.937	.863	.785
83		.993	.944	.873	.797
85		.994	.948	.880	.805
89		.997	.958	.897	.827
91		.998	.962	.903	.834
93		.998	.965	.907	.840
97		.998	.967	.912	.846
99		.999	.970	.917	.854
101		.999	.977	.931	.872
105		1.000	.980	.937	.881
107			.982	.942	.888
109			.984	.946	.894
113			.987	.951	.901
115			.988	.953	.905
117			.990	.958	.913
121			.991	.961	.918
123			.991	.963	.921
125			.993	.968	.929
129			.995	.972	.936
131			.996	.976	.942

TABLE 5 (CONTINUED)

M=4, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
133			.996	.977	.944
137			.997	.979	.948
139			.997	.980	.950
141			.997	.982	.954
145			.998	.984	.957
147			.998	.984	.958
149			.999	.987	.963
153			.999	.988	.967
155			.999	.989	.969
157			.999	.990	.971
161			.999	.992	.975
163			.999	.992	.975
165			1.000	.993	.977
169				.993	.978
171				.994	.980
173				.995	.982
177				.995	.983
179				.996	.984
181				.996	.985
185				.997	.987
187				.997	.987
189				.997	.989
193				.998	.989
195				.998	.990
197				.998	.991
201				.998	.992
203				.998	.992
205				.999	.993
209				.999	.994
211				.999	.994
213				.999	.994
217				.999	.995
219				.999	.995
221				.999	.996
225				.999	.996
227				1.000	.996
229					.997
233					.997
235					.997
237					.997
241					.998
243					.998
245					.998
249					.998
251					.998
253					.998
257					.999
259					.999
261					.999
265					.999

TABLE 5 (CONTINUED)

M=4,N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
267					.999
269					.999
273					.999
275					.999
277					.999
281					.999
283					.999
285					1.000

TABLE 5

M=4, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
0	.008	.004	.002	.002	.001
2	.072	.043	.029	.021	.017
4	.100	.060	.041	.030	.024
6	.200	.126	.088	.066	.052
8	.246	.156	.110	.082	.065
10	.323	.212	.151	.114	.090
12	.351	.229	.164	.124	.098
14	.475	.322	.236	.180	.145
16	.491	.333	.244	.187	.150
18	.566	.392	.290	.224	.182
20	.609	.427	.320	.248	.203
22	.644	.460	.347	.271	.222
24	.674	.489	.372	.293	.240
26	.758	.571	.442	.354	.293
30	.799	.616	.483	.390	.325
32	.810	.626	.493	.399	.332
34	.841	.663	.529	.432	.361
36	.859	.684	.550	.451	.378
38	.894	.730	.597	.495	.418
40	.905	.745	.611	.508	.430
42	.922	.770	.638	.534	.454
44	.932	.782	.650	.547	.466
46	.946	.804	.674	.570	.488
48	.948	.807	.677	.574	.491
50	.963	.837	.713	.609	.526
52	.967	.845	.722	.619	.536
54	.981	.874	.758	.656	.571
56	.986	.887	.774	.673	.589
58	.989	.893	.782	.681	.597
62	.993	.911	.808	.710	.627
64	.994	.912	.809	.712	.628
66	.997	.927	.832	.738	.655
68	.999	.934	.843	.751	.668
70	.999	.940	.852	.762	.680
72	1.000	.944	.859	.770	.689
74		.957	.880	.796	.717
76		.959	.884	.801	.722
78		.963	.891	.810	.732
80		.965	.894	.815	.737
82		.968	.900	.822	.746
84		.971	.906	.830	.755
86		.977	.919	.848	.776
88		.978	.922	.851	.779
90		.983	.933	.867	.798
94		.987	.940	.879	.811
96		.987	.942	.881	.814
98		.990	.950	.892	.828
100		.991	.951	.895	.832
102		.992	.954	.900	.837
104		.993	.958	.906	.845

TABLE 5 (CONTINUED)

M=4, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
106		.994	.962	.912	.853
108		.994	.963	.914	.856
110		.996	.969	.924	.869
114		.997	.972	.930	.877
116		.997	.975	.934	.883
118		.998	.977	.938	.889
120		.998	.978	.941	.893
122		.998	.981	.947	.901
126		.999	.984	.953	.910
128		.999	.985	.954	.911
130		.999	.985	.955	.914
132		.999	.986	.957	.916
134		1.000	.989	.963	.925
136			.989	.964	.927
138			.991	.967	.932
140			.991	.968	.934
142			.991	.969	.936
144			.992	.970	.937
146			.993	.974	.944
148			.994	.975	.945
150			.995	.977	.949
152			.995	.979	.951
154			.996	.981	.954
158			.996	.982	.957
160			.996	.982	.958
162			.997	.984	.960
164			.997	.985	.963
166			.997	.986	.965
168			.998	.987	.967
170			.998	.988	.969
172			.998	.988	.970
174			.998	.990	.973
176			.999	.990	.973
178			.999	.991	.975
180			.999	.991	.976
182			.999	.992	.978
184			.999	.992	.978
186			.999	.993	.980
190			.999	.994	.981
192			.999	.994	.981
194			1.000	.995	.983
196				.995	.984
198				.995	.985
200				.996	.986
202				.996	.986
204				.996	.987
206				.997	.989
208				.997	.989
210				.997	.989
212				.997	.990

TABLE 5 (CONTINUED)

M=4,N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
214				.997	.990
216				.998	.991
218				.998	.991
222				.998	.992
224				.998	.992
226				.998	.993
228				.998	.993
230				.999	.994
232				.999	.994
234				.999	.995
236				.999	.995
238				.999	.995
242				.999	.995
244				.999	.996
246				.999	.996
248				.999	.996
250				.999	.997
254				.999	.997
256				.999	.997
258				1.000	.997
260					.997
262					.997
264					.997
266					.998
268					.998
270					.998
272					.998
274					.998
276					.998
278					.998
280					.998
282					.999
286					.999
288					.999
290					.999
292					.999
294					.999
296					.999
298					.999
300					.999
302					.999
304					.999
306					.999
308					.999
310					.999
312					.999
314					1.000

TABLE 6

M=5, N ODD: TIES ALLOWED

J	3	5	7	9	11
0	.003	.001	.001	.000	.000
2	.060	.024	.013	.008	.006
4	.125	.054	.030	.019	.013
6	.229	.105	.061	.039	.027
8	.311	.150	.088	.057	.040
10	.439	.226	.136	.091	.065
12	.472	.248	.150	.101	.072
14	.589	.333	.209	.144	.104
16	.664	.394	.253	.176	.129
18	.720	.443	.290	.204	.151
20	.758	.482	.320	.228	.169
22	.813	.544	.371	.267	.202
24	.844	.583	.405	.295	.224
26	.893	.649	.466	.346	.265
28	.905	.668	.485	.361	.279
30	.925	.703	.520	.392	.305
32	.938	.728	.547	.416	.325
34	.959	.776	.599	.464	.367
36	.965	.794	.619	.483	.384
38	.975	.823	.653	.517	.414
40	.982	.845	.681	.545	.439
42	.985	.858	.697	.562	.455
44	.989	.874	.720	.585	.476
46	.993	.899	.756	.624	.514
48	.994	.906	.766	.635	.524
50	.996	.922	.793	.665	.555
52	.997	.928	.802	.676	.566
54	.998	.939	.823	.701	.592
56	.999	.948	.839	.721	.613
58	.999	.957	.856	.742	.634
60	.999	.960	.862	.750	.643
62	1.000	.966	.876	.768	.663
64		.971	.888	.785	.681
66		.976	.900	.803	.701
68		.978	.905	.810	.710
70		.982	.916	.826	.728
72		.984	.922	.833	.738
74		.987	.933	.852	.760
76		.989	.939	.861	.772
78		.990	.943	.868	.780
80		.992	.948	.876	.791
82		.993	.954	.886	.805
84		.993	.956	.890	.810
86		.995	.963	.902	.826
88		.996	.966	.909	.836
90		.996	.970	.916	.845
92		.997	.971	.919	.850
94		.998	.976	.928	.864
96		.998	.978	.933	.870
98		.998	.980	.937	.878

TABLE 6 (CONTINUED)

M=5, N ODD: TIES ALLOWED

J	3	5	7	9	11
100		.998	.982	.941	.883
102		.999	.983	.944	.887
104		.999	.985	.948	.895
106		.999	.988	.955	.905
108		.999	.988	.956	.907
110		.999	.990	.961	.915
112		.999	.991	.963	.918
114		1.000	.992	.966	.924
116			.992	.968	.928
118			.993	.971	.933
120			.994	.973	.936
122			.995	.975	.940
124			.995	.977	.944
126			.996	.979	.947
128			.996	.980	.950
130			.997	.982	.954
132			.997	.983	.955
134			.997	.985	.959
136			.998	.987	.962
138			.998	.987	.964
140			.998	.988	.965
142			.998	.989	.968
144			.999	.990	.969
146			.999	.991	.973
148			.999	.992	.974
150			.999	.992	.975
152			.999	.993	.977
154			.999	.994	.979
156			.999	.994	.980
158			.999	.995	.981
160			.999	.995	.982
162			1.000	.995	.983
164				.996	.984
166				.996	.986
168				.996	.986
170				.997	.987
172				.997	.988
174				.997	.989
176				.998	.990
178				.998	.990
180				.998	.991
182				.998	.991
184				.998	.992
186				.999	.993
188				.999	.993
190				.999	.993
192				.999	.994
194				.999	.994
196				.999	.995
198				.999	.995

TABLE 6 (CONTINUED)

M=5,N ODD: TIES ALLOWED

J	3	5	7	9	11
200				.999	.995
202				.999	.996
204				.999	.996
206				.999	.996
208				.999	.996
210				.999	.997
212				1.000	.997
214					.997
216					.997
218					.997
220					.998
222					.998
224					.998
226					.998
228					.998
230					.998
232					.998
234					.999
236					.999
238					.999
240					.999
242					.999
244					.999
246					.999
248					.999
250					.999
252					.999
254					.999
256					.999
258					.999
260					.999
262					.999
264					.999
266					1.000

TABLE 6

M=5, N EVEN: TIES ALLOWED

J	4	6	8	10	12
0	.002	.001	.001	.000	.000
2	.037	.018	.011	.007	.005
4	.079	.040	.024	.016	.011
6	.150	.079	.048	.032	.024
8	.210	.113	.070	.048	.035
10	.308	.173	.110	.076	.056
12	.335	.191	.122	.085	.063
14	.437	.261	.172	.121	.090
16	.507	.312	.209	.149	.112
18	.560	.354	.241	.174	.131
20	.601	.389	.268	.194	.147
22	.664	.445	.313	.230	.176
24	.703	.482	.344	.255	.196
26	.767	.547	.399	.300	.234
28	.784	.566	.416	.315	.246
30	.815	.602	.449	.343	.270
32	.836	.629	.475	.365	.289
34	.875	.681	.525	.410	.328
36	.888	.701	.545	.429	.344
38	.909	.734	.580	.461	.372
40	.924	.760	.608	.487	.396
42	.933	.776	.625	.503	.411
44	.943	.796	.648	.526	.432
46	.958	.828	.686	.565	.468
48	.962	.836	.697	.576	.478
50	.971	.859	.726	.607	.508
52	.973	.867	.737	.618	.518
54	.979	.884	.760	.644	.544
56	.983	.897	.779	.665	.565
58	.987	.910	.798	.686	.587
60	.988	.915	.805	.695	.595
62	.991	.926	.822	.715	.616
64	.993	.935	.837	.732	.635
66	.994	.944	.852	.752	.655
68	.995	.947	.858	.759	.664
70	.996	.954	.872	.777	.683
72	.997	.958	.879	.786	.693
74	.998	.965	.894	.807	.716
76	.998	.969	.902	.817	.728
78	.999	.972	.908	.825	.738
80	.999	.975	.914	.835	.749
82	.999	.978	.922	.846	.763
84	.999	.980	.925	.851	.768
86	.999	.983	.935	.866	.787
88	1.000	.985	.940	.874	.797
90		.987	.945	.882	.808
92		.988	.948	.886	.813
94		.990	.955	.898	.828
96		.991	.958	.903	.835
98		.992	.962	.910	.844

TABLE 6 (CONTINUED)

M=5, N EVEN: TIES ALLOWED

J	4	6	8	10	12
100		.993	.964	.914	.849
102		.994	.966	.918	.855
104		.994	.969	.924	.863
106		.996	.974	.932	.875
108		.996	.975	.934	.878
110		.997	.978	.940	.888
112		.997	.979	.943	.891
114		.997	.981	.947	.898
116		.998	.983	.950	.903
118		.998	.985	.954	.909
120		.998	.986	.957	.912
122		.998	.987	.960	.918
124		.999	.988	.962	.922
126		.999	.989	.965	.926
128		.999	.990	.967	.929
130		.999	.991	.970	.935
132		.999	.991	.971	.936
134		.999	.993	.974	.942
136		.999	.994	.976	.946
138		1.000	.994	.978	.948
140			.994	.979	.950
142			.995	.980	.953
144			.995	.981	.955
146			.996	.984	.959
148			.996	.984	.960
150			.997	.985	.963
152			.997	.986	.964
154			.997	.988	.968
156			.997	.988	.969
158			.998	.989	.971
160			.998	.990	.972
162			.998	.991	.974
164			.998	.991	.975
166			.999	.992	.977
168			.999	.993	.978
170			.999	.993	.979
172			.999	.994	.980
174			.999	.994	.981
176			.999	.995	.983
178			.999	.995	.984
180			.999	.995	.985
182			.999	.996	.985
184			.999	.996	.986
186			.999	.996	.987
188			1.000	.997	.988
190				.997	.989
192				.997	.989
194				.997	.990
196				.998	.991
198				.998	.991

TABLE 6 (CONTINUED)

M=5, N EVEN: TIES ALLOWED

J	4	6	8	10	12
200				.998	.992
202				.998	.992
204				.998	.993
206				.998	.993
208				.998	.994
210				.999	.994
212				.999	.994
214				.999	.995
216				.999	.995
218				.999	.995
220				.999	.996
222				.999	.996
224				.999	.996
226				.999	.996
228				.999	.997
230				.999	.997
232				.999	.997
234				1.000	.997
236					.997
238					.998
240					.998
242					.998
244					.998
246					.998
248					.998
250					.998
252					.998
254					.999
256					.999
258					.999
260					.999
262					.999
264					.999
266					.999
268					.999
270					.999
272					.999
274					.999
276					.999
278					.999
280					.999
282					.999
284					.999
286					.999
288					.999
290					1.000

TABLE 7

M=5,N ODD: 3 @ A TIME

J	3	5	7	9	11
0	.000	.000	.000	.000	.000
2	.005	.002	.001	.001	.000
4	.011	.004	.002	.001	.001
6	.022	.009	.005	.003	.002
8	.033	.013	.007	.004	.003
10	.054	.022	.012	.007	.005
12	.060	.025	.013	.008	.006
14	.088	.037	.020	.012	.008
16	.109	.047	.025	.016	.011
18	.127	.055	.030	.019	.013
20	.143	.063	.035	.022	.015
22	.172	.077	.043	.027	.019
24	.192	.086	.048	.031	.022
26	.229	.105	.060	.038	.027
28	.241	.111	.063	.041	.028
30	.265	.124	.071	.046	.032
32	.284	.135	.077	.050	.035
34	.323	.156	.091	.060	.042
36	.338	.165	.097	.063	.044
38	.367	.182	.107	.071	.050
40	.391	.197	.116	.077	.054
42	.406	.206	.122	.081	.058
44	.427	.220	.131	.087	.062
46	.463	.244	.147	.099	.070
48	.473	.250	.151	.102	.072
50	.503	.271	.165	.112	.080
52	.514	.279	.170	.116	.083
54	.540	.297	.183	.125	.089
56	.561	.313	.194	.131	.096
58	.583	.330	.206	.141	.102
60	.591	.337	.211	.145	.105
62	.612	.354	.223	.154	.111
64	.632	.370	.235	.162	.118
66	.652	.387	.247	.172	.125
68	.660	.394	.253	.176	.128
70	.680	.412	.266	.186	.136
72	.690	.421	.273	.192	.140
74	.714	.444	.291	.205	.150
76	.726	.456	.300	.212	.156
78	.736	.465	.307	.218	.160
80	.748	.477	.317	.225	.167
82	.762	.492	.328	.234	.174
84	.768	.498	.333	.238	.177
86	.787	.518	.351	.252	.188
88	.796	.530	.360	.259	.194
90	.807	.542	.371	.267	.201
92	.813	.549	.376	.272	.204
94	.828	.568	.394	.285	.215
96	.835	.577	.401	.292	.220
98	.844	.588	.411	.300	.227

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
100	.850	.596	.418	.305	.232
102	.856	.604	.425	.311	.236
104	.864	.616	.436	.320	.244
106	.876	.633	.453	.334	.255
108	.879	.637	.456	.337	.258
110	.889	.652	.470	.349	.268
112	.892	.658	.476	.354	.272
114	.899	.669	.487	.364	.280
116	.904	.677	.495	.371	.285
118	.910	.688	.505	.380	.293
120	.914	.694	.511	.385	.298
122	.919	.704	.521	.394	.306
124	.923	.711	.529	.401	.311
126	.928	.721	.539	.410	.319
128	.931	.727	.545	.415	.324
130	.936	.738	.556	.426	.333
132	.938	.741	.560	.429	.336
134	.944	.753	.573	.441	.346
136	.948	.762	.583	.450	.354
138	.950	.767	.588	.455	.359
140	.952	.771	.593	.460	.362
142	.955	.779	.602	.468	.370
144	.957	.784	.608	.474	.375
146	.961	.795	.621	.486	.386
148	.962	.799	.625	.490	.390
150	.965	.804	.632	.497	.396
152	.966	.810	.638	.503	.401
154	.969	.819	.649	.514	.411
156	.970	.822	.653	.518	.415
158	.972	.828	.660	.525	.422
160	.974	.833	.667	.531	.427
162	.975	.838	.672	.537	.433
164	.976	.842	.678	.543	.438
166	.979	.850	.689	.554	.448
168	.980	.852	.692	.557	.451
170	.981	.859	.700	.566	.460
172	.982	.861	.703	.570	.463
174	.983	.866	.710	.577	.470
176	.984	.871	.717	.584	.477
178	.985	.876	.724	.591	.484
180	.986	.878	.727	.594	.487
192	.987	.882	.732	.599	.492
184	.988	.886	.739	.607	.499
186	.989	.890	.745	.613	.505
188	.989	.892	.748	.616	.508
190	.990	.897	.756	.625	.516
192	.990	.899	.758	.628	.519
194	.991	.904	.767	.637	.528
196	.992	.907	.770	.641	.533
198	.992	.910	.775	.647	.538

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
200	.993	.913	.780	.652	.544
202	.993	.916	.786	.658	.550
204	.994	.917	.788	.661	.553
206	.994	.922	.795	.670	.562
208	.994	.924	.798	.673	.565
210	.995	.925	.802	.677	.569
212	.995	.927	.804	.680	.572
214	.995	.931	.812	.688	.580
216	.996	.933	.816	.692	.585
218	.996	.935	.820	.698	.591
220	.996	.937	.824	.702	.595
222	.996	.939	.826	.705	.598
224	.997	.941	.830	.710	.603
226	.997	.944	.837	.717	.611
228	.997	.945	.838	.719	.613
230	.997	.947	.843	.726	.620
232	.998	.949	.846	.730	.624
234	.998	.951	.850	.735	.630
236	.998	.953	.853	.739	.634
238	.998	.954	.856	.742	.638
240	.998	.955	.858	.745	.641
242	.998	.957	.862	.750	.646
244	.998	.958	.865	.753	.650
246	.998	.960	.869	.758	.655
248	.999	.961	.871	.762	.659
250	.999	.963	.876	.767	.665
252	.999	.963	.877	.768	.666
254	.999	.965	.881	.775	.674
256	.999	.967	.884	.779	.678
258	.999	.968	.886	.782	.681
260	.999	.968	.888	.784	.684
262	.999	.970	.891	.788	.688
264	.999	.971	.893	.791	.692
266	.999	.972	.896	.797	.698
268	.999	.973	.898	.799	.700
270	.999	.974	.900	.802	.705
272	.999	.974	.902	.805	.707
274	.999	.976	.906	.810	.714
276	.999	.976	.907	.812	.716
278	1.000	.977	.910	.815	.720
280		.978	.912	.818	.723
282		.979	.913	.820	.726
284		.979	.915	.823	.729
286		.980	.918	.828	.735
288		.981	.920	.830	.737
290		.982	.922	.834	.742
292		.982	.923	.836	.744
294		.983	.925	.839	.747
296		.984	.927	.842	.751
298		.984	.929	.845	.755

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
300		.985	.930	.847	.756
302		.985	.932	.850	.760
304		.986	.934	.853	.764
306		.986	.936	.856	.768
308		.987	.937	.857	.769
310		.987	.939	.861	.774
312		.988	.939	.862	.775
314		.988	.942	.866	.780
316		.989	.943	.868	.783
318		.989	.944	.870	.785
320		.989	.945	.872	.788
322		.990	.947	.874	.791
324		.990	.947	.875	.793
326		.991	.949	.879	.798
328		.991	.951	.881	.800
330		.991	.952	.883	.803
332		.992	.953	.884	.804
334		.992	.954	.888	.809
336		.992	.955	.889	.811
338		.993	.956	.891	.814
340		.993	.957	.892	.815
342		.993	.958	.894	.818
344		.993	.959	.897	.821
346		.994	.961	.900	.825
348		.994	.961	.900	.826
350		.994	.962	.902	.829
352		.994	.963	.904	.831
354		.994	.964	.906	.834
356		.995	.965	.908	.836
358		.995	.966	.909	.838
360		.995	.966	.911	.840
362		.995	.967	.913	.843
364		.995	.968	.914	.844
366		.996	.969	.916	.847
368		.996	.969	.917	.848
370		.996	.970	.919	.851
372		.996	.971	.919	.852
374		.996	.972	.922	.856
376		.996	.973	.923	.858
378		.996	.973	.924	.860
380		.997	.974	.925	.861
382		.997	.975	.927	.863
384		.997	.975	.928	.865
386		.997	.976	.930	.868
388		.997	.977	.931	.869
390		.997	.977	.932	.870
392		.997	.977	.933	.872
394		.998	.978	.935	.875
396		.998	.979	.936	.876
398		.998	.980	.937	.878

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
400		.998	.980	.938	.880
402		.998	.980	.939	.881
404		.998	.981	.940	.883
406		.998	.982	.942	.885
408		.998	.982	.943	.886
410		.998	.982	.944	.888
412		.998	.983	.945	.889
414		.998	.983	.946	.891
416		.998	.984	.947	.893
418		.998	.984	.948	.895
420		.998	.984	.949	.896
422		.999	.985	.950	.897
424		.999	.985	.951	.899
426		.999	.986	.952	.901
428		.999	.986	.953	.902
430		.999	.986	.954	.904
432		.999	.987	.955	.904
434		.999	.987	.956	.906
436		.999	.987	.957	.907
438		.999	.988	.957	.909
440		.999	.988	.958	.910
442		.999	.988	.959	.911
444		.999	.988	.959	.912
446		.999	.989	.960	.914
448		.999	.989	.961	.915
450		.999	.989	.962	.916
452		.999	.989	.962	.917
454		.999	.990	.964	.919
456		.999	.990	.964	.920
458		.999	.990	.965	.922
460		.999	.991	.965	.923
462		.999	.991	.966	.924
464		.999	.991	.966	.925
466		.999	.991	.968	.927
468		.999	.992	.968	.927
470		.999	.992	.969	.929
472		.999	.992	.969	.930
474		1.000	.992	.970	.931
476			.993	.970	.932
478			.993	.971	.933
480			.993	.971	.933
482			.993	.972	.935
484			.993	.972	.936
486			.994	.973	.937
488			.994	.974	.938
490			.994	.974	.939
492			.994	.974	.939
494			.994	.975	.940
496			.994	.976	.942
498			.994	.976	.942

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
500			.995	.976	.943
502			.995	.977	.944
504			.995	.977	.944
506			.995	.978	.946
508			.995	.978	.946
510			.995	.979	.947
512			.995	.979	.948
514			.996	.980	.949
516			.996	.980	.949
518			.996	.980	.950
520			.996	.981	.951
522			.996	.981	.952
524			.996	.981	.952
526			.996	.982	.953
528			.996	.982	.954
530			.997	.983	.955
532			.997	.983	.955
534			.997	.983	.956
536			.997	.983	.957
538			.997	.984	.958
540			.997	.984	.958
542			.997	.984	.959
544			.997	.985	.960
546			.997	.985	.960
548			.997	.985	.960
550			.997	.986	.961
552			.997	.986	.962
554			.997	.986	.963
556			.998	.986	.963
558			.998	.987	.964
560			.998	.987	.964
562			.998	.987	.965
564			.998	.987	.965
566			.998	.988	.966
568			.998	.988	.966
570			.998	.988	.967
572			.998	.988	.967
574			.998	.989	.968
576			.998	.989	.968
578			.998	.989	.969
580			.998	.989	.969
582			.998	.989	.970
584			.998	.990	.970
586			.998	.990	.971
588			.998	.990	.971
590			.998	.990	.972
592			.999	.990	.972
594			.999	.991	.973
596			.999	.991	.973
598			.999	.991	.974

TABLE 7 (CONTINUED)

M=5,N ODD: 3 @ A TIME

J	3	5	7	9	11
600			.999	.991	.974
602			.999	.991	.974
604			.999	.992	.975
606			.999	.992	.975
608			.999	.992	.975
610			.999	.992	.976
612			.999	.992	.976
614			.999	.992	.977
616			.999	.993	.977
618			.999	.993	.977
620			.999	.993	.978
622			.999	.993	.978
624			.999	.993	.978
626			.999	.993	.979
628			.999	.993	.979
630			.999	.994	.979
632			.999	.994	.980
634			.999	.994	.980
636			.999	.994	.980
638			.999	.994	.981
640			.999	.994	.981
642			.999	.994	.981
644			.999	.994	.981
646			.999	.995	.982
648			.999	.995	.982
650			.999	.995	.982
652			.999	.995	.983
654			.999	.995	.983
656			.999	.995	.983
658			.999	.995	.983
660			.999	.995	.984
662			.999	.995	.984
664			.999	.995	.984
666			.999	.996	.984
668			.999	.996	.985
670			.999	.996	.985
672			.999	.996	.985
674			1.000	.996	.986
676				.996	.986
678				.996	.986
680				.996	.986
682				.996	.986
684				.996	.987
686				.996	.987
688				.996	.987
690				.996	.987
692				.997	.987
694				.997	.988
696				.997	.988
698				.997	.988

TABLE 7 (CONTINUED)

M=5,N ODD: 3 @ A TIME

J	3	5	7	9	11
700				.997	.988
702				.997	.988
704				.997	.989
706				.997	.989
708				.997	.989
710				.997	.989
712				.997	.989
714				.997	.989
716				.997	.990
718				.997	.990
720				.997	.990
722				.998	.990
724				.998	.990
726				.998	.990
728				.998	.991
730				.998	.991
732				.998	.991
734				.998	.991
736				.998	.991
738				.998	.991
740				.998	.991
742				.998	.992
744				.998	.992
746				.998	.992
748				.998	.992
750				.998	.992
752				.998	.992
754				.998	.992
756				.998	.992
758				.998	.993
760				.998	.993
762				.998	.993
764				.998	.993
766				.998	.993
768				.998	.993
770				.999	.993
772				.999	.993
774				.999	.994
776				.999	.994
778				.999	.994
780				.999	.994
782				.999	.994
784				.999	.994
786				.999	.994
788				.999	.994
790				.999	.994
792				.999	.994
794				.999	.995
796				.999	.995
798				.999	.995

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
800				.999	.995
802				.999	.995
804				.999	.995
806				.999	.995
808				.999	.995
810				.999	.995
812				.999	.995
814				.999	.995
816				.999	.995
818				.999	.996
820				.999	.996
822				.999	.996
824				.999	.996
826				.999	.996
828				.999	.996
830				.999	.996
832				.999	.996
834				.999	.996
836				.999	.996
838				.999	.996
840				.999	.996
842				.999	.996
844				.999	.996
846				.999	.996
848				.999	.996
850				.999	.997
852				.999	.997
854				.999	.997
856				.999	.997
858				.999	.997
860				.999	.997
862				.999	.997
864				.999	.997
866				.999	.997
868				.999	.997
870				.999	.997
872				1.000	.997
874					.997
876					.997
878					.997
880					.997
882					.997
884					.997
886					.997
888					.997
890					.997
892					.997
894					.998
896					.998
898					.998

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
900					.998
902					.998
904					.998
906					.998
908					.998
910					.998
912					.998
914					.998
916					.998
918					.998
920					.998
922					.998
924					.998
926					.998
928					.998
930					.998
932					.998
934					.998
936					.998
938					.998
940					.998
942					.998
944					.998
946					.999
948					.999
950					.999
952					.999
954					.999
956					.999
958					.999
960					.999
962					.999
964					.999
966					.999
968					.999
970					.999
972					.999
974					.999
976					.999
978					.999
980					.999
982					.999
984					.999
986					.999
988					.999
990					.999
992					.999
994					.999
996					.999
998					.999

TABLE 7 (CONTINUED)

M=5, N ODD: 3 @ A TIME

J	3	5	7	9	11
1000					.999
1002					.999
1004					.999
1006					.999
1008					.999
1010					.999
1012					.999
1014					.999
1016					.999
1018					.999
1020					.999
1022					.999
1024					.999
1026					.999
1028					.999
1030					.999
1032					.999
1034					.999
1036					.999
1038					.999
1042					.999
1044					.999
1046					.999
1048					.999
1050					.999
1054					.999
1058					.999
1062					.999
1064					.999
1066					.999
1070					.999
1072					1.000

TABLE 7

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
0	.000	.000	.000	.000	.000
2	.003	.001	.001	.000	.000
4	.007	.003	.002	.001	.001
6	.014	.006	.004	.002	.002
8	.020	.009	.006	.004	.003
10	.033	.015	.009	.006	.004
12	.037	.017	.010	.007	.005
14	.055	.026	.016	.010	.007
16	.068	.033	.020	.013	.009
18	.081	.039	.024	.016	.012
20	.091	.045	.027	.018	.013
22	.110	.055	.034	.022	.016
24	.124	.063	.038	.025	.019
26	.151	.077	.047	.032	.023
28	.159	.081	.051	.034	.025
30	.176	.091	.057	.038	.028
32	.190	.099	.062	.042	.030
34	.219	.116	.073	.049	.036
36	.231	.123	.077	.053	.038
38	.252	.137	.086	.059	.043
40	.271	.148	.094	.064	.047
42	.283	.155	.099	.068	.049
44	.299	.166	.106	.073	.053
46	.329	.186	.119	.082	.060
48	.338	.191	.123	.085	.062
50	.363	.208	.134	.093	.068
52	.372	.214	.139	.097	.071
54	.394	.230	.150	.104	.077
56	.413	.243	.159	.111	.082
58	.433	.257	.170	.119	.088
60	.441	.263	.173	.122	.090
62	.460	.277	.184	.130	.096
64	.478	.291	.194	.137	.101
66	.497	.306	.205	.146	.108
68	.506	.312	.209	.149	.110
70	.525	.327	.221	.158	.117
72	.535	.335	.227	.162	.121
74	.560	.355	.242	.174	.130
76	.573	.365	.250	.181	.135
78	.583	.374	.256	.185	.138
80	.595	.384	.265	.192	.143
82	.610	.398	.275	.200	.150
84	.617	.404	.280	.204	.153
86	.638	.422	.295	.216	.162
88	.649	.433	.304	.222	.167
90	.662	.445	.313	.230	.174
92	.668	.451	.318	.234	.177
94	.688	.469	.333	.246	.187
96	.696	.478	.340	.252	.192
98	.707	.488	.349	.259	.198

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
100	.714	.496	.356	.265	.202
102	.721	.504	.362	.270	.206
104	.733	.516	.373	.278	.214
106	.749	.533	.387	.291	.224
108	.753	.537	.391	.294	.226
110	.766	.551	.404	.305	.236
112	.771	.557	.409	.309	.239
114	.781	.568	.419	.318	.246
116	.789	.576	.427	.324	.252
118	.798	.587	.437	.333	.259
120	.804	.594	.443	.338	.263
122	.812	.604	.453	.346	.270
124	.819	.612	.460	.353	.276
126	.827	.622	.469	.361	.283
128	.832	.629	.475	.366	.288
130	.841	.640	.486	.376	.296
132	.843	.643	.489	.379	.298
134	.853	.657	.502	.391	.308
136	.860	.667	.511	.399	.315
138	.864	.672	.517	.404	.320
140	.867	.677	.522	.408	.323
142	.873	.686	.531	.416	.330
144	.877	.692	.537	.421	.335
146	.886	.704	.549	.432	.345
148	.888	.708	.553	.436	.348
150	.893	.714	.560	.443	.354
152	.896	.721	.566	.449	.360
154	.903	.731	.578	.459	.369
156	.905	.735	.581	.462	.372
158	.909	.742	.589	.470	.379
160	.913	.748	.596	.476	.385
162	.916	.753	.601	.481	.390
164	.919	.759	.607	.487	.395
166	.924	.768	.618	.498	.405
168	.926	.771	.622	.501	.408
170	.930	.779	.630	.509	.416
172	.932	.782	.634	.513	.419
174	.935	.789	.641	.520	.426
176	.938	.795	.648	.527	.432
178	.941	.801	.655	.534	.438
180	.943	.803	.659	.538	.442
182	.945	.808	.664	.543	.447
184	.948	.814	.671	.550	.453
186	.950	.819	.678	.557	.460
188	.952	.822	.681	.561	.463
190	.955	.828	.689	.569	.471
192	.956	.831	.692	.572	.474
194	.959	.838	.701	.581	.483
196	.960	.841	.705	.585	.487
198	.962	.845	.710	.590	.492

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
200	.964	.849	.716	.596	.497
202	.966	.854	.721	.602	.503
204	.966	.856	.724	.605	.506
206	.969	.862	.732	.614	.514
208	.970	.865	.735	.618	.518
210	.971	.867	.739	.622	.522
212	.971	.869	.742	.625	.524
214	.973	.875	.750	.633	.533
216	.975	.878	.754	.638	.537
218	.976	.882	.759	.644	.543
220	.977	.884	.762	.648	.547
222	.978	.886	.765	.651	.551
224	.979	.889	.770	.656	.556
226	.980	.894	.777	.664	.564
228	.981	.895	.778	.666	.566
230	.982	.899	.784	.672	.573
232	.983	.902	.788	.677	.577
234	.984	.905	.792	.682	.582
236	.984	.907	.796	.686	.586
238	.985	.909	.799	.690	.590
240	.985	.911	.801	.692	.593
242	.986	.914	.806	.698	.598
244	.987	.916	.809	.701	.602
246	.987	.918	.813	.706	.607
248	.988	.921	.816	.710	.611
250	.989	.924	.821	.715	.617
252	.989	.924	.823	.717	.619
254	.990	.928	.828	.724	.626
256	.990	.930	.832	.728	.630
258	.991	.931	.834	.731	.634
260	.991	.933	.836	.734	.636
262	.991	.935	.840	.738	.641
264	.992	.937	.843	.742	.644
266	.992	.939	.847	.747	.651
268	.993	.940	.849	.749	.653
270	.993	.942	.852	.753	.657
272	.993	.943	.855	.756	.660
274	.994	.946	.859	.762	.667
276	.994	.947	.861	.763	.669
278	.994	.948	.864	.768	.673
280	.994	.950	.867	.771	.677
282	.995	.951	.869	.773	.680
284	.995	.952	.871	.776	.683
286	.995	.954	.875	.782	.689
288	.995	.955	.877	.784	.691
290	.996	.957	.880	.788	.696
292	.996	.957	.882	.790	.698
294	.996	.959	.884	.793	.702
296	.996	.960	.887	.797	.706
298	.996	.961	.889	.801	.710

TABLE 7 (CONTINUED)

M=5,N EVEN: 3 @ A TIME

J	4	6	8	10	12
300	.997	.962	.890	.802	.712
302	.997	.963	.893	.805	.716
304	.997	.964	.895	.809	.720
306	.997	.965	.898	.812	.724
308	.997	.966	.899	.814	.726
310	.997	.967	.902	.818	.730
312	.997	.968	.903	.820	.732
314	.998	.969	.906	.824	.738
316	.998	.970	.908	.826	.740
318	.998	.971	.909	.828	.743
320	.998	.972	.911	.831	.746
322	.998	.972	.913	.833	.749
324	.998	.973	.914	.835	.751
326	.998	.974	.917	.839	.756
328	.998	.975	.918	.841	.758
330	.998	.976	.920	.844	.762
332	.998	.976	.921	.845	.763
334	.998	.977	.924	.849	.768
336	.999	.978	.925	.851	.770
338	.999	.978	.926	.853	.773
340	.999	.979	.927	.855	.775
342	.999	.979	.929	.857	.777
344	.999	.980	.930	.860	.781
346	.999	.981	.933	.863	.785
348	.999	.981	.933	.864	.786
350	.999	.982	.935	.867	.790
352	.999	.983	.936	.869	.792
354	.999	.983	.938	.871	.795
356	.999	.984	.939	.873	.797
358	.999	.984	.940	.875	.800
360	.999	.985	.941	.877	.802
362	.999	.985	.943	.879	.805
364	.999	.985	.943	.880	.806
366	.999	.986	.945	.882	.809
368	.999	.986	.945	.884	.811
370	.999	.987	.947	.886	.814
372	.999	.987	.947	.887	.815
374	.999	.988	.950	.890	.819
376	.999	.988	.951	.892	.822
378	.999	.989	.952	.893	.823
380	.999	.989	.952	.895	.825
382	1.000	.989	.954	.897	.828
384		.989	.954	.898	.829
386		.990	.956	.901	.833
388		.990	.956	.902	.834
390		.990	.957	.903	.836
392		.991	.958	.904	.838
394		.991	.959	.907	.841
396		.991	.960	.908	.843
398		.992	.961	.910	.845

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
400		.992	.962	.911	.847
402		.992	.962	.912	.848
404		.992	.963	.913	.850
406		.993	.964	.915	.853
408		.993	.965	.916	.854
410		.993	.966	.918	.857
412		.993	.966	.919	.858
414		.993	.967	.921	.860
416		.994	.968	.922	.862
418		.994	.969	.924	.864
420		.994	.969	.924	.865
422		.994	.970	.926	.867
424		.994	.971	.927	.869
426		.995	.971	.928	.871
428		.995	.972	.929	.872
430		.995	.973	.931	.875
432		.995	.973	.931	.876
434		.995	.974	.933	.878
436		.995	.974	.934	.879
438		.996	.975	.935	.881
440		.996	.975	.936	.882
442		.996	.976	.937	.884
444		.996	.976	.938	.885
446		.996	.977	.940	.888
448		.996	.977	.940	.889
450		.996	.978	.941	.890
452		.996	.978	.942	.891
454		.997	.979	.943	.893
456		.997	.979	.944	.895
458		.997	.980	.945	.896
460		.997	.980	.946	.897
462		.997	.981	.947	.898
464		.997	.981	.948	.900
466		.997	.982	.949	.902
468		.997	.982	.950	.902
470		.997	.983	.951	.904
472		.997	.983	.952	.905
474		.998	.983	.952	.907
476		.998	.984	.953	.908
478		.998	.984	.954	.909
480		.998	.984	.955	.910
482		.998	.985	.956	.912
484		.998	.985	.956	.913
486		.998	.985	.957	.914
488		.998	.986	.958	.915
490		.998	.986	.959	.917
492		.998	.986	.959	.917
494		.998	.987	.960	.919
496		.998	.987	.961	.920
498		.998	.987	.961	.921

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
500		.998	.987	.962	.922
502		.998	.988	.962	.923
504		.998	.988	.963	.924
506		.999	.988	.964	.925
508		.999	.989	.964	.926
510		.999	.989	.965	.927
512		.999	.989	.965	.928
514		.999	.989	.967	.929
516		.999	.990	.967	.930
518		.999	.990	.967	.931
520		.999	.990	.968	.932
522		.999	.990	.969	.933
524		.999	.990	.969	.933
526		.999	.991	.970	.935
528		.999	.991	.970	.935
530		.999	.991	.971	.937
532		.999	.991	.971	.937
534		.999	.991	.972	.938
536		.999	.992	.972	.939
538		.999	.992	.973	.940
540		.999	.992	.973	.940
542		.999	.992	.974	.941
544		.999	.992	.974	.942
546		.999	.993	.975	.943
548		.999	.993	.975	.944
550		.999	.993	.975	.945
552		.999	.993	.976	.945
554		.999	.993	.976	.946
556		.999	.994	.977	.947
558		.999	.994	.977	.948
560		.999	.994	.977	.948
562		.999	.994	.978	.949
564		.999	.994	.978	.950
566		1.000	.994	.979	.951
568			.994	.979	.951
570			.994	.979	.952
572			.995	.979	.952
574			.995	.980	.953
576			.995	.980	.954
578			.995	.981	.955
580			.995	.981	.955
582			.995	.981	.956
584			.995	.982	.956
586			.996	.982	.957
588			.996	.982	.958
590			.996	.983	.959
592			.996	.983	.959
594			.996	.983	.960
596			.996	.984	.960
598			.996	.984	.961

TABLE 7 (CONTINUED)

M=5,N EVEN: 3 @ A TIME

J	4	6	8	10	12
600			.996	.984	.961
602			.996	.984	.962
604			.996	.985	.962
606			.996	.985	.963
608			.996	.985	.963
610			.996	.986	.964
612			.996	.986	.964
614			.997	.986	.965
616			.997	.986	.966
618			.997	.986	.966
620			.997	.987	.966
622			.997	.987	.967
624			.997	.987	.967
626			.997	.987	.968
628			.997	.988	.968
630			.997	.988	.969
632			.997	.988	.969
634			.997	.988	.970
636			.997	.989	.970
638			.997	.989	.971
640			.998	.989	.971
642			.998	.989	.971
644			.998	.989	.972
646			.998	.990	.972
648			.998	.990	.972
650			.998	.990	.973
652			.998	.990	.973
654			.998	.990	.974
656			.998	.990	.974
658			.998	.990	.974
660			.998	.991	.975
662			.998	.991	.975
664			.998	.991	.975
666			.998	.991	.976
668			.998	.991	.976
670			.998	.991	.977
672			.998	.992	.977
674			.998	.992	.977
676			.998	.992	.978
678			.998	.992	.978
680			.999	.992	.978
682			.999	.992	.979
684			.999	.992	.979
686			.999	.993	.979
688			.999	.993	.979
690			.999	.993	.980
692			.999	.993	.980
694			.999	.993	.980
696			.999	.993	.981
698			.999	.993	.981

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
700			.999	.993	.981
702			.999	.993	.981
704			.999	.994	.982
706			.999	.994	.982
708			.999	.994	.982
710			.999	.994	.983
712			.999	.994	.983
714			.999	.994	.983
716			.999	.994	.983
718			.999	.994	.984
720			.999	.994	.984
722			.999	.995	.984
724			.999	.995	.984
726			.999	.995	.985
728			.999	.995	.985
730			.999	.995	.985
732			.999	.995	.985
734			.999	.995	.985
736			.999	.995	.986
738			.999	.995	.986
740			.999	.995	.986
742			.999	.995	.986
744			.999	.996	.986
746			.999	.996	.987
748			.999	.996	.987
750			.999	.996	.987
752			.999	.996	.987
754			.999	.996	.988
756			.999	.996	.988
758			.999	.996	.988
760			.999	.996	.988
762			.999	.996	.988
764			.999	.996	.988
766			.999	.996	.989
768			.999	.996	.989
770			.999	.997	.989
772			.999	.997	.989
774			1.000	.997	.989
776				.997	.990
778				.997	.990
780				.997	.990
782				.997	.990
784				.997	.990
786				.997	.990
788				.997	.990
790				.997	.990
792				.997	.991
794				.997	.991
796				.997	.991
798				.997	.991

TABLE 7 (CONTINUED)

M=5,N EVEN: 3 @ A TIME

J	4	6	8	10	12
800				.997	.991
802				.997	.991
804				.998	.991
806				.998	.992
808				.998	.992
810				.998	.992
812				.998	.992
814				.998	.992
816				.998	.992
818				.998	.992
820				.998	.992
822				.998	.993
824				.998	.993
826				.998	.993
828				.998	.993
830				.998	.993
832				.998	.993
834				.998	.993
836				.998	.993
838				.998	.993
840				.998	.993
842				.998	.994
844				.998	.994
846				.998	.994
848				.998	.994
850				.998	.994
852				.999	.994
854				.999	.994
856				.999	.994
858				.999	.994
860				.999	.994
862				.999	.994
864				.999	.995
866				.999	.995
868				.999	.995
870				.999	.995
872				.999	.995
874				.999	.995
876				.999	.995
878				.999	.995
880				.999	.995
882				.999	.995
884				.999	.995
886				.999	.995
888				.999	.995
890				.999	.995
892				.999	.996
894				.999	.996
896				.999	.996
898				.999	.996

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
900				.999	.996
902				.999	.996
904				.999	.996
906				.999	.996
908				.999	.996
910				.999	.996
912				.999	.996
914				.999	.996
916				.999	.996
918				.999	.996
920				.999	.996
922				.999	.996
924				.999	.996
926				.999	.997
928				.999	.997
930				.999	.997
932				.999	.997
934				.999	.997
936				.999	.997
938				.999	.997
940				.999	.997
942				.999	.997
944				.999	.997
946				.999	.997
948				.999	.997
950				.999	.997
952				.999	.997
954				.999	.997
956				.999	.997
958				.999	.997
960				.999	.997
962				.999	.997
964				.999	.997
966				.999	.997
968				.999	.997
970				.999	.998
972				1.000	.998
974					.998
976					.998
978					.998
980					.998
982					.998
984					.998
986					.998
988					.998
990					.998
992					.998
994					.998
996					.998
998					.998

TABLE 7 (CONTINUED)

M=5,N EVEN: 3 @ A TIME

J	4	6	8	10	12
1000					.998
1002					.998
1004					.998
1006					.998
1010					.998
1012					.998
1014					.998
1016					.998
1018					.998
1020					.998
1022					.998
1024					.998
1026					.998
1028					.998
1030					.998
1032					.998
1034					.999
1036					.999
1038					.999
1040					.999
1042					.999
1044					.999
1046					.999
1048					.999
1050					.999
1052					.999
1054					.999
1056					.999
1058					.999
1060					.999
1062					.999
1064					.999
1066					.999
1068					.999
1070					.999
1072					.999
1074					.999
1076					.999
1078					.999
1080					.999
1082					.999
1084					.999
1086					.999
1088					.999
1090					.999
1092					.999
1094					.999
1096					.999
1098					.999
1100					.999

TABLE 7 (CONTINUED)

M=5, N EVEN: 3 @ A TIME

J	4	6	8	10	12
1102					.999
1104					.999
1106					.999
1108					.999
1110					.999
1112					.999
1114					.999
1116					.999
1118					.999
1120					.999
1122					.999
1124					.999
1126					.999
1128					.999
1130					.999
1132					.999
1134					.999
1136					.999
1138					.999
1140					.999
1142					.999
1144					.999
1146					.999
1148					.999
1150					.999
1154					.999
1156					.999
1158					.999
1160					.999
1162					.999
1164					.999
1166					.999
1168					.999
1170					.999
1172					.999
1174					.999
1176					1.000

TABLE 8

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
0	.000	.000	.000	.000	.000
2	.003	.001	.001	.000	.000
4	.007	.003	.001	.001	.001
6	.015	.006	.003	.002	.001
8	.022	.008	.005	.003	.002
10	.036	.014	.007	.005	.003
12	.041	.016	.009	.005	.004
14	.059	.024	.013	.008	.005
16	.074	.030	.017	.010	.007
18	.087	.036	.020	.013	.008
20	.099	.041	.023	.015	.009
22	.120	.051	.028	.018	.012
24	.134	.058	.032	.020	.014
26	.162	.071	.040	.026	.017
28	.171	.075	.042	.027	.018
30	.189	.085	.047	.031	.021
32	.204	.092	.052	.034	.023
34	.234	.108	.061	.040	.027
36	.247	.114	.065	.042	.029
38	.270	.127	.072	.047	.033
40	.290	.137	.079	.051	.036
42	.302	.144	.083	.054	.038
44	.320	.155	.090	.058	.041
46	.351	.173	.101	.066	.046
48	.360	.178	.104	.068	.048
50	.386	.194	.115	.075	.053
52	.396	.200	.118	.078	.055
54	.419	.214	.128	.085	.060
56	.439	.227	.136	.091	.064
58	.460	.241	.145	.097	.068
60	.468	.246	.149	.100	.070
62	.488	.260	.158	.106	.075
64	.507	.273	.166	.113	.080
66	.527	.287	.176	.120	.085
68	.536	.294	.181	.123	.087
70	.556	.308	.191	.130	.092
72	.566	.316	.196	.134	.095
74	.591	.335	.210	.144	.103
76	.604	.345	.217	.149	.107
78	.614	.353	.223	.153	.110
80	.627	.363	.231	.159	.114
82	.642	.377	.240	.166	.120
84	.649	.382	.244	.169	.122
86	.670	.401	.258	.180	.130
88	.681	.411	.266	.186	.135
90	.694	.422	.275	.192	.140
92	.701	.428	.280	.196	.142
94	.720	.446	.293	.207	.151
96	.729	.454	.300	.212	.154
98	.739	.465	.308	.218	.159

TABLE 8 (CONTINUED)

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
100	.747	.473	.314	.223	.163
102	.754	.480	.320	.227	.166
104	.765	.492	.330	.235	.172
106	.781	.509	.344	.246	.181
108	.784	.513	.347	.249	.183
110	.797	.528	.359	.258	.191
112	.803	.533	.364	.262	.194
114	.812	.545	.374	.270	.200
116	.819	.553	.381	.276	.205
118	.828	.564	.390	.283	.211
120	.833	.571	.396	.288	.215
122	.841	.581	.405	.295	.221
124	.847	.589	.412	.301	.225
126	.855	.600	.421	.309	.231
128	.860	.606	.427	.313	.235
130	.868	.617	.438	.322	.243
132	.870	.621	.441	.325	.245
134	.879	.634	.454	.335	.254
136	.886	.644	.462	.343	.261
138	.890	.649	.468	.348	.264
140	.893	.654	.472	.351	.268
142	.898	.663	.480	.359	.274
144	.902	.669	.486	.364	.278
146	.909	.682	.499	.374	.287
148	.912	.686	.503	.378	.290
150	.916	.693	.509	.384	.295
152	.919	.699	.515	.389	.300
154	.925	.710	.526	.400	.308
156	.927	.714	.530	.403	.311
158	.931	.721	.538	.410	.317
160	.934	.727	.544	.416	.322
162	.936	.733	.550	.421	.327
164	.939	.738	.556	.426	.331
166	.944	.748	.567	.436	.340
168	.945	.751	.570	.439	.342
170	.948	.760	.579	.447	.350
172	.950	.763	.583	.451	.353
174	.953	.769	.590	.458	.359
176	.955	.776	.597	.465	.365
178	.958	.782	.604	.471	.370
180	.959	.785	.608	.475	.373
182	.961	.790	.613	.480	.378
184	.963	.796	.620	.487	.384
186	.965	.802	.627	.493	.390
188	.966	.805	.631	.496	.393
190	.968	.812	.639	.505	.400
192	.969	.814	.642	.507	.403
194	.972	.821	.651	.516	.411
196	.973	.825	.655	.520	.415
198	.974	.829	.660	.525	.420

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
200	.976	.833	.666	.531	.425
202	.977	.838	.672	.537	.430
204	.977	.840	.675	.539	.433
206	.979	.847	.683	.548	.442
208	.980	.849	.687	.552	.445
210	.981	.852	.691	.556	.449
212	.981	.854	.694	.558	.451
214	.983	.860	.702	.567	.459
216	.984	.864	.707	.572	.464
218	.985	.868	.712	.578	.469
220	.985	.871	.716	.581	.473
222	.986	.873	.719	.585	.477
224	.987	.876	.724	.590	.482
226	.988	.882	.732	.598	.489
228	.988	.883	.734	.600	.491
230	.989	.887	.740	.606	.498
232	.989	.890	.744	.610	.502
234	.990	.893	.749	.616	.507
236	.991	.896	.753	.620	.511
238	.991	.898	.757	.624	.515
240	.991	.899	.759	.627	.517
242	.992	.903	.764	.633	.523
244	.992	.905	.767	.637	.527
246	.993	.908	.772	.642	.532
248	.993	.910	.776	.645	.536
250	.994	.913	.781	.651	.542
252	.994	.914	.782	.653	.544
254	.994	.918	.789	.660	.551
256	.995	.921	.793	.665	.556
258	.995	.922	.796	.668	.559
260	.995	.923	.798	.670	.561
262	.995	.926	.802	.675	.566
264	.996	.928	.805	.679	.570
266	.996	.931	.810	.685	.576
268	.996	.932	.812	.687	.578
270	.996	.934	.816	.691	.583
272	.997	.935	.818	.693	.586
274	.997	.938	.824	.700	.592
276	.997	.939	.825	.702	.594
278	.997	.941	.829	.706	.599
280	.997	.943	.832	.710	.603
282	.997	.944	.834	.713	.605
284	.998	.945	.836	.716	.609
286	.998	.947	.841	.722	.615
288	.998	.948	.843	.724	.618
290	.998	.950	.847	.729	.623
292	.998	.951	.849	.731	.625
294	.998	.952	.851	.734	.628
296	.998	.954	.855	.739	.633
298	.999	.955	.858	.743	.637

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
300	.999	.956	.859	.744	.639
302	.999	.957	.862	.748	.643
304	.999	.959	.865	.752	.647
306	.999	.960	.868	.756	.651
308	.999	.961	.869	.757	.653
310	.999	.962	.872	.762	.658
312	.999	.963	.874	.763	.660
314	.999	.965	.878	.769	.665
316	.999	.965	.880	.771	.668
318	.999	.966	.881	.773	.671
320	.999	.967	.884	.776	.674
322	.999	.968	.885	.779	.677
324	.999	.969	.887	.781	.679
326	.999	.970	.890	.786	.685
328	.999	.971	.892	.788	.688
330	.999	.972	.894	.792	.691
332	1.000	.972	.895	.793	.693
334		.974	.899	.798	.698
336		.974	.900	.799	.700
338		.975	.902	.802	.703
340		.975	.903	.804	.705
342		.976	.905	.807	.708
344		.977	.907	.810	.712
346		.978	.910	.814	.717
348		.978	.911	.815	.718
350		.979	.913	.818	.722
352		.980	.914	.820	.724
354		.980	.916	.823	.728
356		.981	.917	.825	.730
358		.981	.919	.828	.733
360		.982	.920	.830	.736
362		.983	.922	.833	.739
364		.983	.923	.834	.741
366		.983	.925	.837	.744
368		.984	.926	.838	.746
370		.984	.928	.841	.750
372		.985	.928	.842	.751
374		.985	.931	.846	.755
376		.986	.932	.849	.759
378		.986	.933	.850	.761
380		.987	.934	.852	.763
382		.987	.936	.854	.765
384		.987	.937	.856	.767
386		.988	.939	.859	.772
388		.988	.939	.860	.773
390		.988	.940	.862	.775
392		.989	.941	.863	.777
394		.989	.943	.866	.781
396		.989	.944	.868	.783
398		.990	.945	.870	.785

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
400		.990	.946	.872	.787
402		.990	.947	.873	.789
404		.991	.948	.874	.791
406		.991	.949	.877	.795
408		.991	.950	.878	.796
410		.992	.951	.881	.799
412		.992	.952	.882	.800
414		.992	.953	.884	.803
416		.992	.954	.885	.805
418		.992	.955	.888	.808
420		.993	.956	.888	.809
422		.993	.957	.890	.811
424		.993	.958	.892	.814
426		.993	.959	.894	.816
428		.994	.959	.895	.817
430		.994	.960	.897	.820
432		.994	.961	.897	.821
434		.994	.962	.900	.824
436		.994	.963	.901	.826
438		.995	.963	.902	.827
440		.995	.964	.903	.829
442		.995	.965	.905	.831
444		.995	.965	.906	.832
446		.995	.966	.908	.835
448		.995	.967	.909	.837
450		.995	.967	.910	.839
452		.996	.968	.911	.840
454		.996	.969	.913	.843
456		.996	.969	.915	.844
458		.996	.970	.916	.846
460		.996	.970	.917	.848
462		.996	.971	.918	.849
464		.996	.971	.919	.851
466		.996	.972	.921	.853
468		.997	.973	.922	.854
470		.997	.973	.923	.857
472		.997	.974	.924	.858
474		.997	.975	.925	.860
476		.997	.975	.926	.861
478		.997	.975	.927	.863
480		.997	.976	.928	.864
482		.997	.976	.929	.866
484		.997	.977	.930	.867
486		.997	.977	.932	.869
488		.997	.978	.932	.870
490		.997	.978	.934	.872
492		.998	.979	.934	.873
494		.998	.979	.936	.875
496		.998	.980	.937	.877
498		.998	.980	.937	.878

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
500		.998	.980	.938	.879
502		.998	.981	.939	.880
504		.998	.981	.940	.882
506		.998	.982	.941	.884
508		.998	.982	.942	.885
510		.998	.982	.943	.886
512		.998	.982	.943	.887
514		.998	.983	.945	.889
516		.998	.983	.945	.890
518		.998	.984	.946	.891
520		.998	.984	.947	.892
522		.998	.984	.947	.894
524		.999	.985	.948	.895
526		.999	.985	.949	.897
528		.999	.985	.950	.897
530		.999	.986	.951	.899
532		.999	.986	.951	.900
534		.999	.986	.952	.901
536		.999	.987	.953	.903
538		.999	.987	.954	.904
540		.999	.987	.954	.905
542		.999	.987	.955	.906
544		.999	.988	.956	.907
546		.999	.988	.956	.908
548		.999	.988	.957	.909
550		.999	.988	.958	.910
552		.999	.989	.958	.911
554		.999	.989	.959	.913
556		.999	.989	.960	.914
558		.999	.989	.961	.915
560		.999	.990	.961	.915
562		.999	.990	.962	.916
564		.999	.990	.962	.917
566		.999	.990	.963	.919
568		.999	.990	.964	.920
570		.999	.991	.964	.921
572		.999	.991	.964	.921
574		.999	.991	.965	.922
576		.999	.991	.966	.923
578		.999	.991	.966	.924
580		.999	.991	.967	.925
582		.999	.992	.967	.926
584		.999	.992	.968	.927
586		.999	.992	.969	.928
588		1.000	.992	.969	.929
590			.992	.969	.930
592			.992	.970	.930
594			.993	.970	.931
596			.993	.971	.932
598			.993	.971	.933

TABLE 8 (CONTINUED)

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
600			.993	.971	.934
602			.993	.972	.935
604			.993	.972	.935
606			.993	.973	.936
608			.994	.973	.937
610			.994	.974	.938
612			.994	.974	.938
614			.994	.975	.939
616			.994	.975	.940
618			.994	.975	.941
620			.994	.976	.941
622			.994	.976	.942
624			.995	.976	.943
626			.995	.977	.944
628			.995	.977	.944
630			.995	.978	.945
632			.995	.978	.945
634			.995	.979	.946
636			.995	.979	.947
638			.995	.979	.948
640			.995	.979	.948
642			.996	.980	.949
644			.996	.980	.949
646			.996	.980	.950
648			.996	.980	.951
650			.996	.981	.951
652			.996	.981	.952
654			.996	.981	.953
656			.996	.982	.953
658			.996	.982	.954
660			.996	.982	.954
662			.996	.982	.955
664			.996	.983	.955
666			.997	.983	.956
668			.997	.983	.956
670			.997	.984	.957
672			.997	.984	.957
674			.997	.984	.958
676			.997	.985	.959
678			.997	.985	.959
680			.997	.985	.960
682			.997	.985	.960
684			.997	.985	.961
686			.997	.986	.961
688			.997	.986	.962
690			.997	.986	.962
692			.997	.986	.963
694			.997	.987	.963
696			.997	.987	.964
698			.998	.987	.964

TABLE 8 (CONTINUED)

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
700			.998	.987	.964
702			.998	.987	.965
704			.998	.988	.965
706			.998	.988	.966
708			.998	.988	.966
710			.998	.988	.967
712			.998	.988	.967
714			.998	.989	.968
716			.998	.989	.968
718			.998	.989	.969
720			.998	.989	.969
722			.998	.989	.969
724			.998	.989	.970
726			.998	.990	.970
728			.998	.990	.970
730			.998	.990	.971
732			.998	.990	.971
734			.998	.990	.972
736			.998	.990	.972
738			.998	.991	.972
740			.998	.991	.973
742			.999	.991	.973
744			.999	.991	.973
746			.999	.991	.974
748			.999	.991	.974
750			.999	.991	.974
752			.999	.991	.975
754			.999	.992	.975
756			.999	.992	.975
758			.999	.992	.976
760			.999	.992	.976
762			.999	.992	.976
764			.999	.992	.976
766			.999	.992	.977
768			.999	.993	.977
770			.999	.993	.977
772			.999	.993	.978
774			.999	.993	.978
776			.999	.993	.978
778			.999	.993	.979
780			.999	.993	.979
782			.999	.993	.979
784			.999	.994	.980
786			.999	.994	.980
788			.999	.994	.980
790			.999	.994	.980
792			.999	.994	.980
794			.999	.994	.981
796			.999	.994	.981
798			.999	.994	.981

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
800			.999	.994	.981
802			.999	.994	.982
804			.999	.994	.982
806			.999	.995	.982
808			.999	.995	.982
810			.999	.995	.982
812			.999	.995	.983
814			.999	.995	.983
816			.999	.995	.983
818			.999	.995	.983
820			.999	.995	.984
822			.999	.995	.984
824			.999	.995	.984
826			.999	.995	.984
828			.999	.995	.985
830			.999	.996	.985
832			.999	.996	.985
834			.999	.996	.985
836			1.000	.996	.985
838				.996	.986
840				.996	.986
842				.996	.986
844				.996	.986
846				.996	.986
848				.996	.986
850				.996	.987
852				.996	.987
854				.996	.987
856				.996	.987
858				.996	.987
860				.997	.987
862				.997	.988
864				.997	.988
866				.997	.988
868				.997	.988
870				.997	.988
872				.997	.988
874				.997	.989
876				.997	.989
878				.997	.989
880				.997	.989
882				.997	.989
884				.997	.989
886				.997	.990
888				.997	.990
890				.997	.990
892				.997	.990
894				.997	.990
896				.997	.990
898				.998	.990

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
900				.998	.990
902				.998	.990
904				.998	.991
906				.998	.991
908				.998	.991
910				.998	.991
912				.998	.991
914				.998	.991
916				.998	.991
918				.998	.991
920				.998	.992
922				.998	.992
924				.998	.992
926				.998	.992
928				.998	.992
930				.998	.992
932				.998	.992
934				.998	.992
936				.998	.992
938				.998	.992
940				.998	.993
942				.998	.993
944				.998	.993
946				.998	.993
948				.998	.993
950				.998	.993
952				.998	.993
954				.998	.993
956				.998	.993
958				.999	.993
960				.999	.993
962				.999	.993
964				.999	.994
966				.999	.994
968				.999	.994
970				.999	.994
972				.999	.994
974				.999	.994
976				.999	.994
978				.999	.994
980				.999	.994
982				.999	.994
984				.999	.994
986				.999	.995
988				.999	.995
990				.999	.995
992				.999	.995
994				.999	.995
996				.999	.995
998				.999	.995

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
1000				.999	.995
1002				.999	.995
1004				.999	.995
1006				.999	.995
1008				.999	.995
1010				.999	.995
1012				.999	.995
1014				.999	.995
1016				.999	.995
1018				.999	.996
1020				.999	.996
1022				.999	.996
1024				.999	.996
1026				.999	.996
1028				.999	.996
1030				.999	.996
1032				.999	.996
1034				.999	.996
1036				.999	.996
1038				.999	.996
1040				.999	.996
1042				.999	.996
1044				.999	.996
1046				.999	.996
1048				.999	.996
1050				.999	.996
1052				.999	.996
1054				.999	.997
1056				.999	.997
1058				.999	.997
1060				.999	.997
1062				.999	.997
1064				.999	.997
1066				.999	.997
1068				.999	.997
1070				.999	.997
1072				.999	.997
1074				.999	.997
1076				.999	.997
1078				.999	.997
1080				1.000	.997
1082					.997
1084					.997
1086					.997
1088					.997
1090					.997
1092					.997
1094					.997
1096					.997
1098					.997

TABLE 8 (CONTINUED)

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
1100					.997
1102					.998
1104					.998
1106					.998
1108					.998
1110					.998
1112					.998
1114					.998
1116					.998
1118					.998
1120					.998
1122					.998
1124					.998
1126					.998
1128					.998
1130					.998
1132					.998
1134					.998
1136					.998
1138					.998
1140					.998
1142					.998
1144					.998
1146					.998
1148					.998
1150					.998
1154					.998
1156					.998
1158					.998
1160					.998
1162					.998
1164					.998
1166					.998
1168					.998
1170					.998
1172					.998
1174					.999
1176					.999
1178					.999
1180					.999
1182					.999
1184					.999
1186					.999
1188					.999
1190					.999
1192					.999
1194					.999
1196					.999
1198					.999
1200					.999

TABLE 8 (CONTINUED)

M=5, N ODD: 4 @ A TIME

J	3	5	7	9	11
1202					.999
1204					.999
1206					.999
1208					.999
1210					.999
1212					.999
1214					.999
1216					.999
1218					.999
1220					.999
1222					.999
1224					.999
1226					.999
1228					.999
1230					.999
1232					.999
1234					.999
1236					.999
1238					.999
1240					.999
1242					.999
1244					.999
1246					.999
1248					.999
1250					.999
1252					.999
1254					.999
1256					.999
1258					.999
1260					.999
1262					.999
1264					.999
1266					.999
1268					.999
1270					.999
1272					.999
1274					.999
1276					.999
1278					.999
1280					.999
1282					.999
1286					.999
1288					.999
1290					.999
1292					.999
1294					.999
1296					.999
1298					.999
1300					.999
1302					.999

TABLE 8 (CONTINUED)

M=5,N ODD: 4 @ A TIME

J	3	5	7	9	11
1304					.999
1306					.999
1308					.999
1310					.999
1312					.999
1314					.999
1316					.999
1318					.999
1320					.999
1322					.999
1324					.999
1326					.999
1328					.999
1330					.999
1334					.999
1336					.999
1340					1.000

TABLE 8

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
2	.000	.000	.000	.000	.000
4	.002	.001	.000	.000	.000
6	.004	.002	.001	.001	.001
8	.009	.004	.002	.002	.002
10	.013	.006	.004	.002	.003
12	.021	.010	.006	.004	.003
14	.024	.011	.007	.004	.005
16	.036	.017	.010	.007	.006
18	.045	.022	.013	.008	.007
20	.053	.023	.016	.010	.008
22	.061	.030	.018	.012	.010
24	.075	.037	.022	.015	.012
26	.085	.042	.025	.017	.015
28	.104	.052	.031	.021	.016
30	.110	.055	.033	.022	.018
32	.122	.062	.037	.025	.020
34	.132	.067	.041	.027	.023
36	.154	.079	.048	.033	.025
38	.163	.084	.052	.035	.028
40	.179	.093	.058	.039	.031
42	.193	.102	.063	.043	.033
44	.203	.107	.066	.045	.035
46	.216	.115	.072	.049	.040
48	.239	.129	.081	.055	.041
50	.246	.133	.084	.057	.046
52	.267	.146	.092	.063	.048
54	.275	.151	.095	.065	.052
56	.293	.162	.103	.071	.056
58	.303	.172	.110	.076	.061
60	.326	.183	.117	.081	.061
62	.333	.187	.120	.083	.066
64	.350	.199	.128	.089	.070
66	.365	.209	.136	.094	.074
68	.383	.221	.144	.100	.077
70	.390	.226	.148	.103	.081
72	.407	.239	.156	.110	.084
74	.416	.245	.161	.113	.091
76	.439	.261	.172	.122	.094
78	.451	.270	.178	.126	.097
80	.460	.277	.183	.130	.101
82	.473	.286	.190	.135	.104
84	.487	.297	.199	.141	.108
86	.494	.302	.202	.144	.115
88	.514	.317	.214	.153	.117
90	.526	.326	.221	.158	.120
92	.538	.337	.229	.164	.124
94	.545	.342	.233	.167	.127
96	.564	.358	.245	.177	.130
98	.573	.365	.251	.181	.134
100	.585	.374	.258	.187	.137

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
102	.592	.381	.263	.191	.148
104	.600	.387	.268	.195	.153
106	.613	.398	.277	.202	.160
108	.630	.414	.289	.211	.162
110	.634	.418	.292	.213	.169
112	.649	.432	.303	.222	.172
114	.655	.437	.308	.226	.177
116	.667	.448	.316	.232	.182
118	.675	.456	.323	.238	.187
120	.685	.466	.331	.244	.191
122	.692	.472	.336	.249	.196
124	.702	.482	.345	.255	.200
126	.709	.489	.351	.261	.206
128	.719	.499	.359	.267	.209
130	.725	.505	.364	.272	.216
132	.736	.516	.374	.280	.218
134	.739	.520	.377	.282	.226
136	.752	.534	.389	.292	.232
138	.761	.543	.397	.300	.235
140	.766	.549	.402	.304	.238
142	.770	.553	.406	.307	.243
144	.778	.562	.414	.314	.248
146	.783	.568	.419	.319	.256
148	.794	.581	.431	.328	.258
150	.798	.585	.434	.331	.263
152	.804	.592	.441	.337	.267
154	.809	.598	.447	.342	.275
156	.818	.610	.457	.351	.278
158	.821	.613	.461	.354	.283
160	.828	.621	.468	.361	.288
162	.833	.628	.475	.366	.292
164	.837	.634	.480	.371	.296
166	.842	.639	.486	.376	.304
168	.850	.650	.496	.385	.307
170	.853	.653	.499	.388	.311
172	.859	.662	.508	.396	.314
174	.861	.666	.511	.399	.318
176	.867	.673	.519	.405	.322
178	.872	.680	.526	.411	.326
180	.876	.687	.533	.417	.330
182	.879	.690	.536	.421	.334
184	.883	.695	.542	.426	.338
186	.887	.702	.549	.432	.342
188	.891	.709	.555	.438	.346
190	.893	.712	.558	.442	.350
192	.898	.720	.567	.448	.354
194	.900	.723	.569	.452	.358
196	.906	.731	.579	.460	.362
198	.908	.736	.583	.464	.366
200	.911	.741	.589	.469	.370

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
202	.914	.746	.594	.474	.389
204	.918	.752	.601	.480	.392
206	.919	.754	.603	.483	.400
208	.924	.762	.612	.491	.403
210	.926	.766	.616	.495	.407
212	.928	.769	.620	.498	.409
214	.929	.772	.623	.501	.417
216	.933	.779	.631	.509	.421
218	.935	.784	.636	.514	.426
220	.938	.789	.642	.520	.430
222	.939	.792	.645	.524	.433
224	.941	.795	.649	.527	.438
226	.943	.799	.654	.532	.445
228	.946	.806	.662	.540	.447
230	.947	.808	.664	.542	.453
232	.949	.813	.670	.548	.457
234	.951	.817	.674	.552	.462
236	.953	.821	.680	.558	.466
238	.955	.824	.684	.562	.470
240	.956	.828	.688	.566	.472
242	.957	.830	.690	.569	.478
244	.959	.834	.696	.575	.481
246	.960	.837	.700	.579	.486
248	.962	.841	.705	.584	.490
250	.963	.844	.708	.588	.496
252	.965	.848	.714	.594	.498
254	.965	.849	.716	.596	.505
256	.968	.855	.723	.603	.509
258	.969	.858	.727	.608	.513
260	.970	.861	.730	.611	.515
262	.970	.863	.733	.613	.520
264	.972	.866	.737	.618	.524
266	.972	.868	.741	.622	.530
268	.974	.872	.746	.628	.532
270	.975	.874	.748	.630	.536
272	.976	.877	.752	.635	.539
274	.976	.879	.755	.637	.546
276	.978	.883	.761	.644	.548
278	.978	.885	.763	.646	.552
280	.979	.887	.767	.651	.556
282	.980	.890	.770	.654	.559
284	.980	.891	.773	.657	.562
286	.981	.893	.776	.660	.563
288	.982	.897	.782	.667	.571
290	.983	.899	.784	.669	.577
292	.984	.902	.788	.675	.579
294	.984	.903	.790	.677	.581
296	.984	.905	.794	.680	.587
298	.985	.908	.797	.684	.591
300	.986	.911	.801	.688	.593

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
302	.986	.911	.802	.690	.597
304	.987	.914	.806	.694	.601
306	.987	.916	.809	.698	.605
308	.988	.918	.813	.702	.607
310	.988	.919	.814	.704	.612
312	.989	.922	.818	.709	.614
314	.989	.923	.820	.710	.620
316	.990	.926	.824	.716	.623
318	.990	.927	.827	.719	.625
320	.990	.928	.829	.721	.628
322	.991	.930	.831	.724	.632
324	.991	.931	.834	.727	.634
326	.991	.932	.835	.729	.639
328	.992	.935	.840	.734	.642
330	.992	.936	.842	.737	.646
332	.992	.938	.844	.740	.647
334	.993	.938	.846	.742	.653
336	.993	.941	.850	.747	.655
338	.993	.942	.851	.749	.658
340	.993	.943	.854	.752	.660
342	.994	.944	.855	.754	.663
344	.994	.945	.857	.757	.667
346	.994	.947	.860	.760	.672
348	.995	.949	.864	.765	.673
350	.995	.949	.865	.766	.677
352	.995	.950	.868	.770	.679
354	.995	.951	.869	.772	.683
356	.995	.953	.872	.775	.685
358	.996	.954	.874	.778	.689
360	.996	.955	.876	.780	.691
362	.996	.956	.877	.783	.694
364	.996	.957	.880	.786	.696
366	.996	.957	.881	.787	.700
368	.996	.958	.883	.790	.702
370	.997	.959	.884	.792	.706
372	.997	.960	.887	.795	.707
374	.997	.961	.888	.796	.712
376	.997	.962	.891	.801	.715
378	.997	.963	.893	.804	.717
380	.997	.964	.894	.805	.719
382	.997	.965	.896	.807	.722
384	.997	.966	.898	.810	.724
386	.998	.966	.899	.812	.729
388	.998	.968	.902	.815	.730
390	.998	.968	.902	.817	.732
392	.998	.969	.904	.818	.734
394	.998	.969	.905	.820	.733
396	.998	.970	.908	.824	.739
398	.998	.971	.909	.825	.743
400	.998	.972	.910	.828	.745

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
402	.998	.972	.912	.830	.747
404	.998	.973	.913	.831	.749
406	.998	.973	.914	.833	.753
408	.998	.974	.916	.836	.754
410	.998	.975	.917	.837	.757
412	.999	.975	.919	.840	.759
414	.999	.976	.920	.841	.762
416	.999	.977	.921	.844	.764
418	.999	.977	.923	.846	.767
420	.999	.978	.924	.848	.768
422	.999	.978	.925	.849	.771
424	.999	.979	.927	.851	.773
426	.999	.979	.928	.854	.776
428	.999	.980	.929	.856	.777
430	.999	.980	.930	.857	.781
432	.999	.981	.931	.860	.782
434	.999	.981	.932	.861	.785
436	.999	.982	.934	.863	.787
438	.999	.982	.935	.865	.788
440	.999	.982	.935	.866	.791
442	.999	.983	.937	.868	.793
444	.999	.983	.938	.869	.794
446	.999	.984	.938	.870	.797
448	.999	.984	.940	.873	.799
450	.999	.984	.941	.874	.801
452	.999	.985	.942	.876	.802
454	.999	.985	.942	.877	.806
456	.999	.986	.944	.880	.807
458	.999	.986	.945	.881	.810
460	.999	.986	.946	.883	.811
462	.999	.987	.946	.884	.812
464	.999	.987	.947	.885	.814
466	1.000	.987	.948	.886	.817
468		.988	.949	.889	.818
470		.988	.950	.889	.821
472		.988	.951	.891	.823
474		.988	.952	.893	.825
476		.989	.953	.894	.826
478		.989	.953	.895	.826
480		.989	.954	.897	.829
482		.989	.955	.898	.831
484		.990	.956	.899	.833
486		.990	.956	.900	.835
488		.990	.957	.902	.836
490		.990	.958	.903	.838
492		.991	.959	.905	.839
494		.991	.959	.905	.842
496		.991	.960	.907	.843
498		.992	.961	.909	.845
500		.992	.961	.909	.846

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
502		.992	.962	.910	.848
504		.992	.963	.912	.849
506		.992	.963	.913	.852
508		.993	.964	.915	.853
510		.993	.965	.915	.854
512		.993	.965	.916	.855
514		.993	.966	.917	.858
516		.993	.967	.919	.859
518		.993	.967	.919	.860
520		.994	.968	.920	.862
522		.994	.968	.922	.863
524		.994	.969	.922	.864
526		.994	.969	.923	.867
528		.994	.970	.925	.867
530		.994	.970	.926	.869
532		.995	.971	.927	.870
534		.995	.971	.927	.872
536		.995	.972	.929	.873
538		.995	.973	.930	.875
540		.995	.973	.931	.876
542		.995	.974	.931	.877
544		.995	.974	.932	.879
546		.995	.975	.933	.880
548		.995	.975	.934	.880
550		.996	.975	.935	.882
552		.996	.976	.936	.883
554		.996	.976	.936	.885
556		.996	.977	.938	.886
558		.996	.977	.939	.887
560		.996	.978	.939	.888
562		.996	.978	.940	.889
564		.996	.978	.941	.890
566		.996	.978	.941	.892
568		.996	.979	.943	.893
570		.997	.979	.943	.894
572		.997	.980	.944	.895
574		.997	.980	.945	.897
576		.997	.981	.946	.898
578		.997	.981	.946	.899
580		.997	.981	.947	.900
582		.997	.981	.948	.900
584		.997	.982	.948	.902
586		.997	.982	.949	.904
588		.997	.983	.950	.914
590		.997	.983	.951	.905
592		.997	.983	.952	.906
594		.997	.983	.952	.908
596		.998	.984	.953	.908
598		.998	.984	.953	.909
600		.998	.984	.954	.910

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
602		.998	.984	.954	.911
604		.998	.985	.955	.912
606		.998	.985	.955	.913
608		.998	.985	.956	.914
610		.998	.985	.957	.915
612		.998	.986	.958	.916
614		.998	.986	.958	.917
616		.998	.986	.959	.918
618		.998	.987	.959	.919
620		.998	.987	.960	.920
622		.998	.987	.960	.921
624		.998	.987	.961	.921
626		.998	.988	.961	.923
628		.998	.988	.962	.923
630		.998	.988	.962	.924
632		.999	.988	.963	.925
634		.999	.989	.963	.926
636		.999	.989	.964	.927
638		.999	.989	.964	.929
640		.999	.989	.965	.928
642		.999	.989	.965	.929
644		.999	.990	.966	.929
646		.999	.990	.966	.931
648		.999	.990	.967	.931
650		.999	.990	.967	.932
652		.999	.990	.968	.933
654		.999	.991	.968	.934
656		.999	.991	.969	.934
658		.999	.991	.969	.935
660		.999	.991	.969	.936
662		.999	.991	.970	.936
664		.999	.991	.970	.937
666		.999	.992	.971	.937
668		.999	.992	.971	.938
670		.999	.992	.971	.939
672		.999	.992	.972	.940
674		.999	.992	.972	.941
676		.999	.992	.973	.941
678		.999	.993	.973	.942
680		.999	.993	.973	.943
682		.999	.993	.974	.944
684		.999	.993	.974	.944
686		.999	.993	.975	.945
688		.999	.993	.975	.945
690		.999	.993	.975	.946
692		.999	.993	.976	.946
694		.999	.993	.976	.947
696		.999	.994	.977	.947
698		.999	.994	.977	.948
700		.999	.994	.977	.948

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
702		.999	.994	.977	.949
704		.999	.994	.978	.950
706		.999	.994	.978	.951
708		.999	.994	.979	.951
710		.999	.994	.979	.952
712		.999	.995	.979	.952
714		1.000	.995	.979	.953
716			.995	.980	.953
718			.995	.980	.954
720			.995	.980	.954
722			.995	.981	.955
724			.995	.981	.955
726			.995	.981	.956
728			.995	.981	.956
730			.995	.982	.957
732			.995	.982	.957
734			.996	.982	.958
736			.996	.982	.958
738			.996	.983	.959
740			.996	.983	.959
742			.996	.983	.960
744			.996	.983	.960
746			.996	.984	.961
748			.996	.984	.961
750			.996	.984	.961
752			.996	.984	.962
754			.996	.984	.962
756			.996	.985	.963
758			.996	.985	.963
760			.997	.985	.964
762			.997	.985	.964
764			.997	.986	.964
766			.997	.986	.965
768			.997	.986	.965
770			.997	.986	.966
772			.997	.986	.966
774			.997	.987	.966
776			.997	.987	.967
778			.997	.987	.967
780			.997	.987	.967
782			.997	.987	.968
784			.997	.987	.968
786			.997	.988	.968
788			.997	.988	.969
790			.997	.988	.969
792			.997	.988	.970
794			.997	.988	.970
796			.998	.989	.971
798			.998	.989	.971
800			.998	.989	.972

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
802			.998	.989	.971
804			.998	.989	.972
806			.998	.989	.972
808			.998	.989	.972
810			.998	.989	.973
812			.998	.990	.973
814			.998	.990	.973
816			.998	.990	.974
818			.998	.990	.974
820			.998	.990	.974
822			.998	.990	.974
824			.998	.990	.975
826			.998	.991	.975
828			.998	.991	.975
830			.998	.991	.976
832			.998	.991	.976
834			.998	.991	.976
836			.998	.991	.977
838			.998	.991	.977
840			.998	.992	.977
842			.998	.992	.977
844			.998	.992	.978
846			.998	.992	.978
848			.998	.992	.978
850			.999	.992	.978
852			.999	.992	.979
854			.999	.992	.979
856			.999	.993	.979
858			.999	.993	.979
860			.999	.993	.980
862			.999	.993	.980
864			.999	.993	.980
866			.999	.993	.980
868			.999	.993	.981
870			.999	.993	.981
872			.999	.993	.981
874			.999	.993	.981
876			.999	.994	.981
878			.999	.994	.982
880			.999	.994	.982
882			.999	.994	.982
884			.999	.994	.982
886			.999	.994	.983
888			.999	.994	.983
890			.999	.994	.983
892			.999	.994	.983
894			.999	.994	.983
896			.999	.994	.984
898			.999	.994	.984
900			.999	.995	.984

TABLE 8 (CONTINUED)

M=5, N EVEN: 4 @ A TIME

J	4	6	8	10	12
902			.999	.995	.984
904			.999	.995	.984
906			.999	.995	.985
908			.999	.995	.985
910			.999	.995	.985
912			.999	.995	.985
914			.999	.995	.985
916			.999	.995	.985
918			.999	.995	.986
920			.999	.995	.986
922			.999	.995	.986
924			.999	.995	.986
926			.999	.995	.986
928			.999	.996	.986
930			.999	.996	.987
932			.999	.996	.987
934			.999	.996	.987
936			.999	.996	.987
938			.999	.996	.987
940			.999	.996	.987
942			.999	.996	.987
944			.999	.996	.988
946			.999	.996	.988
948			.999	.996	.988
950			.999	.996	.988
952			.999	.996	.988
954			.999	.996	.988
956			.999	.996	.988
958			.999	.996	.989
960			.999	.997	.989
962			.999	.997	.989
964			1.000	.997	.989
966				.997	.989
968				.997	.989
970				.997	.989
972				.997	.989
974				.997	.990
976				.997	.990
978				.997	.990
980				.997	.990
982				.997	.990
984				.997	.990
986				.997	.990
988				.997	.990
990				.997	.991
992				.997	.991
994				.997	.991
996				.997	.991
998				.997	.991
1000				.997	.991

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
1002				.997	.991
1004				.998	.991
1006				.998	.992
1008				.998	.992
1010				.998	.992
1012				.998	.992
1014				.998	.992
1016				.998	.992
1018				.998	.992
1020				.998	.992
1022				.998	.992
1024				.998	.992
1026				.998	.993
1028				.998	.993
1030				.998	.993
1032				.998	.993
1034				.998	.993
1036				.998	.993
1038				.998	.993
1040				.998	.993
1042				.998	.993
1044				.998	.993
1046				.998	.993
1048				.998	.994
1050				.998	.994
1052				.998	.994
1054				.998	.994
1056				.998	.994
1058				.998	.994
1060				.998	.994
1062				.998	.994
1064				.998	.994
1066				.998	.994
1068				.999	.994
1070				.999	.994
1072				.999	.994
1074				.999	.995
1076				.999	.995
1078				.999	.995
1080				.999	.995
1082				.999	.995
1084				.999	.995
1086				.999	.995
1088				.999	.995
1090				.999	.995
1092				.999	.995
1094				.999	.995
1096				.999	.995
1098				.999	.995
1100				.999	.995

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
1102				.999	.995
1104				.999	.995
1106				.999	.995
1108				.999	.996
1110				.999	.996
1112				.999	.996
1114				.999	.996
1116				.999	.996
1118				.999	.996
1120				.999	.996
1122				.999	.996
1124				.999	.996
1126				.999	.996
1128				.999	.996
1130				.999	.996
1132				.999	.996
1134				.999	.996
1136				.999	.996
1138				.999	.996
1140				.999	.996
1142				.999	.996
1144				.999	.996
1146				.999	.996
1148				.999	.997
1150				.999	.997
1152				.999	.997
1154				.999	.997
1156				.999	.997
1158				.999	.997
1160				.999	.997
1162				.999	.997
1164				.999	.997
1166				.999	.997
1168				.999	.997
1170				.999	.997
1172				.999	.997
1174				.999	.997
1176				.999	.997
1178				.999	.997
1180				.999	.997
1182				.999	.997
1184				.999	.997
1186				.999	.997
1188				.999	.997
1190				.999	.997
1192				.999	.997
1194				.999	.997
1196				.999	.997
1198				.999	.997
1200				.999	.997

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
1202				.999	.997
1204				.999	.997
1206				1.000	.998
1208					.998
1210					.998
1212					.998
1214					.998
1216					.998
1218					.998
1220					.998
1222					.998
1224					.998
1226					.998
1228					.998
1230					.998
1232					.998
1234					.998
1236					.998
1238					.998
1240					.998
1242					.998
1244					.998
1246					.998
1248					.998
1250					.998
1252					.998
1254					.998
1256					.998
1258					.998
1260					.998
1262					.998
1264					.998
1266					.998
1268					.998
1270					.998
1272					.998
1274					.998
1276					.998
1278					.998
1280					.998
1282					.998
1284					.998
1286					.998
1288					.998
1290					.998
1292					.998
1294					.998
1296					.998
1298					.998
1300					.998

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
1302					.999
1304					.999
1306					.999
1308					.999
1310					.999
1312					.999
1314					.999
1316					.999
1318					.999
1320					.999
1322					.999
1324					.999
1326					.999
1328					.999
1330					.999
1332					.999
1334					.999
1336					.999
1338					.999
1340					.999
1342					.999
1344					.999
1346					.999
1348					.999
1350					.999
1352					.999
1354					.999
1356					.999
1358					.999
1360					.999
1362					.999
1364					.999
1366					.999
1368					.999
1370					.999
1372					.999
1374					.999
1376					.999
1378					.999
1380					.999
1384					.999
1386					.999
1390					.999
1392					.999
1394					.999
1396					.999
1398					.999
1400					.999
1402					.999
1404					.999

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CUMULATIVE PROBABILITY TABLES FOR TESTING CONSENSUS IN
RANKING EXPERIMENTS (U) ARMY ENGINEER TOPOGRAPHIC LABS
FORT BELVOIR VA M A CROMBIE ET AL MAY 86 ETL-0418

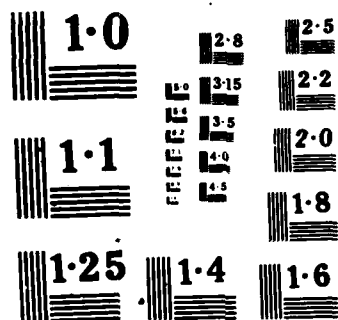
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NL





NATIONAL BUREAU OF STANDARDS
MICROCOPY RESOLUTION TEST

TABLE 8 (CONTINUED)

M=5,N EVEN: 4 @ A TIME

J	4	6	8	10	12
1406					.999
1408					.999
1410					.999
1414					.999
1416					.999
1418					.999
1420					.999
1422					.999
1424					.999
1426					.999
1430					.999
1432					.999
1434					.999
1436					.999
1438					.999
1440					1.000

TABLE 9

M=5, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
0	.000	.000	.000	.000	.000
2	.012	.006	.003	.002	.001
4	.029	.014	.007	.005	.003
6	.059	.028	.016	.010	.007
8	.086	.042	.024	.015	.011
10	.155	.069	.039	.025	.018
12	.169	.076	.044	.029	.020
14	.232	.109	.064	.042	.029
16	.280	.135	.080	.053	.037
18	.317	.157	.094	.063	.044
20	.351	.177	.107	.071	.051
22	.406	.210	.129	.087	.062
24	.441	.234	.144	.098	.071
26	.508	.279	.174	.119	.087
28	.525	.292	.184	.126	.092
30	.568	.321	.203	.140	.102
32	.595	.343	.219	.152	.111
34	.654	.387	.252	.176	.130
36	.675	.405	.265	.186	.138
38	.710	.437	.290	.204	.152
40	.748	.464	.310	.220	.165
42	.765	.481	.324	.230	.173
44	.788	.505	.342	.245	.185
46	.828	.545	.376	.272	.206
48	.838	.556	.385	.279	.212
50	.874	.589	.413	.302	.230
52	.883	.601	.423	.310	.237
54	.904	.629	.447	.330	.254
56	.920	.651	.468	.347	.268
58	.937	.674	.490	.366	.283
60	.944	.683	.498	.373	.289
62	.955	.705	.519	.391	.305
64	.962	.724	.538	.408	.319
66	.971	.745	.559	.427	.335
68	.974	.753	.568	.435	.342
70	.983	.773	.589	.454	.358
72	.985	.782	.599	.463	.367
74	.992	.806	.625	.487	.388
76	.995	.817	.638	.500	.399
78	.996	.826	.648	.509	.408
80	.997	.837	.661	.522	.419
82	.999	.849	.677	.538	.433
84	1.000	.854	.683	.544	.439
86		.871	.705	.566	.459
88		.879	.716	.578	.470
90		.889	.729	.591	.483
92		.893	.735	.598	.489
94		.906	.754	.618	.508
96		.912	.763	.627	.517
98		.918	.773	.639	.528

TABLE 9 (CONTINUED)

M=5, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
100		.923	.781	.647	.536
102		.927	.787	.654	.543
104		.934	.799	.667	.556
106		.943	.814	.684	.573
108		.945	.817	.689	.578
110		.952	.830	.703	.593
112		.954	.835	.709	.599
114		.959	.844	.720	.610
116		.962	.851	.728	.619
118		.966	.859	.738	.630
120		.968	.864	.745	.637
122		.971	.872	.755	.647
124		.974	.877	.762	.655
126		.976	.884	.771	.665
128		.978	.889	.777	.672
130		.981	.897	.787	.683
132		.982	.899	.790	.687
134		.985	.907	.802	.701
136		.987	.913	.810	.710
138		.988	.916	.815	.716
140		.989	.919	.819	.720
142		.990	.924	.826	.729
144		.991	.927	.831	.735
146		.992	.934	.842	.747
148		.993	.936	.845	.750
150		.994	.939	.850	.757
152		.995	.942	.855	.763
154		.996	.947	.864	.773
156		.996	.948	.866	.776
158		.996	.952	.872	.783
160		.997	.954	.876	.789
162		.997	.956	.881	.794
164		.997	.958	.884	.799
166		.998	.962	.891	.809
168		.998	.963	.894	.811
170		.998	.966	.899	.819
172		.999	.967	.901	.822
174		.999	.970	.906	.827
176		.999	.972	.910	.833
178		.999	.974	.914	.839
180		.999	.974	.916	.842
182		.999	.976	.919	.846
184		1.000	.978	.923	.851
186			.979	.926	.856
188			.980	.928	.859
190			.982	.932	.865
192			.982	.933	.867
194			.984	.938	.873
196			.985	.939	.876
198			.986	.942	.880

TABLE 9 (CONTINUED)

M=5, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
200			.987	.944	.884
202			.988	.947	.888
204			.988	.948	.890
206			.989	.952	.895
208			.990	.953	.897
210			.990	.955	.900
212			.991	.956	.901
214			.992	.959	.906
216			.992	.961	.909
218			.993	.963	.912
220			.993	.964	.915
222			.994	.965	.917
224			.994	.966	.919
226			.995	.969	.923
228			.995	.969	.924
230			.995	.971	.928
232			.996	.972	.930
234			.996	.974	.933
236			.996	.975	.935
238			.996	.976	.937
240			.997	.976	.938
242			.997	.978	.940
244			.997	.979	.942
246			.997	.980	.944
248			.998	.980	.946
250			.998	.982	.948
252			.998	.982	.949
254			.998	.983	.952
256			.998	.984	.954
258			.998	.985	.955
260			.999	.985	.956
262			.999	.986	.958
264			.999	.987	.959
266			.999	.988	.961
268			.999	.988	.962
270			.999	.989	.963
272			.999	.989	.964
274			.999	.990	.966
276			.999	.990	.967
278			.999	.991	.968
280			.999	.991	.969
282			.999	.991	.970
284			1.000	.992	.971
286				.992	.972
288				.993	.973
290				.993	.974
292				.993	.975
294				.994	.976
296				.994	.977
298				.994	.978

TABLE 9 (CONTINUED)

M=5, N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
300				.995	.978
302				.995	.979
304				.995	.980
306				.995	.981
308				.996	.981
310				.996	.982
312				.996	.982
314				.996	.983
316				.996	.984
318				.997	.984
320				.997	.985
322				.997	.985
324				.997	.986
326				.997	.987
328				.997	.987
330				.997	.988
332				.998	.988
334				.998	.989
336				.998	.989
338				.998	.989
340				.998	.990
342				.998	.990
344				.998	.990
346				.998	.991
348				.998	.991
350				.999	.991
352				.999	.992
354				.999	.992
356				.999	.992
358				.999	.993
360				.999	.993
362				.999	.993
364				.999	.993
366				.999	.994
368				.999	.994
370				.999	.994
372				.999	.994
374				.999	.995
376				.999	.995
378				.999	.995
380				.999	.995
382				.999	.995
384				.999	.996
386				.999	.996
388				.999	.996
390				1.000	.996
392					.996
394					.996
396					.996
398					.997

TABLE 9 (CONTINUED)

M=5,N ODD: TIES NOT ALLOWED

J	3	5	7	9	11
400					.997
402					.997
404					.997
406					.997
408					.997
410					.997
412					.997
414					.998
416					.998
418					.998
420					.998
422					.998
424					.998
426					.998
428					.998
430					.998
432					.998
434					.998
436					.998
438					.998
440					.999
442					.999
444					.999
446					.999
448					.999
450					.999
452					.999
454					.999
456					.999
458					.999
460					.999
462					.999
464					.999
466					.999
468					.999
470					.999
472					.999
474					.999
478					.999
480					.999
482					.999
484					.999
486					.999
488					.999
490					.999
492					1.000

TABLE 9

M=5, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
0	.001	.000	.000	.000	.000
2	.009	.004	.003	.002	.001
4	.021	.010	.006	.004	.003
6	.041	.021	.012	.008	.006
8	.061	.031	.019	.012	.009
10	.094	.050	.031	.021	.015
12	.106	.056	.035	.023	.017
14	.150	.082	.051	.035	.025
16	.185	.102	.064	.044	.032
18	.215	.120	.076	.052	.038
20	.241	.135	.086	.060	.044
22	.285	.163	.104	.073	.054
24	.315	.182	.117	.082	.061
26	.370	.218	.142	.100	.075
28	.388	.230	.150	.107	.079
30	.421	.253	.167	.119	.088
32	.448	.272	.181	.129	.096
34	.501	.310	.209	.150	.113
36	.522	.326	.220	.159	.119
38	.559	.354	.242	.175	.132
40	.587	.378	.260	.190	.144
42	.606	.393	.272	.199	.151
44	.631	.414	.288	.212	.161
46	.672	.450	.317	.235	.180
48	.683	.460	.326	.242	.186
50	.715	.491	.351	.262	.203
52	.726	.502	.360	.270	.209
54	.752	.527	.382	.288	.224
56	.773	.549	.401	.304	.237
58	.796	.572	.422	.321	.251
60	.803	.581	.430	.327	.256
62	.823	.603	.449	.344	.270
64	.840	.623	.467	.360	.284
66	.858	.645	.487	.378	.298
68	.865	.654	.495	.385	.305
70	.880	.674	.515	.402	.320
72	.888	.684	.525	.411	.328
74	.905	.709	.550	.434	.348
76	.914	.723	.563	.446	.358
78	.921	.732	.573	.455	.366
80	.928	.745	.586	.468	.377
82	.938	.760	.602	.482	.391
84	.941	.766	.608	.489	.396
86	.952	.786	.630	.509	.415
88	.957	.796	.642	.521	.426
90	.962	.808	.655	.534	.438
92	.965	.814	.662	.540	.444
94	.972	.831	.682	.560	.462
96	.976	.838	.691	.569	.471
98	.979	.847	.702	.581	.482

TABLE 9 (CONTINUED)

M=5, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
100	.981	.853	.710	.588	.490
102	.983	.859	.718	.596	.497
104	.986	.869	.730	.609	.509
106	.989	.881	.747	.626	.526
108	.990	.884	.751	.631	.530
110	.992	.894	.765	.646	.545
112	.993	.898	.771	.652	.551
114	.994	.905	.781	.664	.563
116	.995	.910	.789	.672	.572
118	.996	.916	.798	.682	.583
120	.996	.920	.804	.689	.589
122	.997	.926	.813	.700	.600
124	.998	.930	.820	.707	.608
126	.998	.935	.828	.717	.618
128	.999	.938	.833	.723	.625
130	.999	.944	.842	.734	.636
132	.999	.945	.845	.737	.640
134	.999	.951	.856	.750	.653
136	1.000	.955	.863	.759	.663
138		.957	.867	.765	.669
140		.959	.870	.769	.674
142		.962	.877	.777	.682
144		.964	.881	.783	.689
146		.968	.889	.794	.701
148		.970	.892	.797	.705
150		.972	.896	.803	.712
152		.973	.901	.809	.719
154		.976	.907	.818	.730
156		.977	.909	.821	.733
158		.979	.914	.828	.741
160		.981	.918	.832	.747
162		.982	.921	.837	.752
164		.983	.924	.842	.757
166		.985	.929	.850	.767
168		.986	.931	.853	.770
170		.987	.935	.859	.779
172		.988	.937	.862	.782
174		.989	.940	.868	.788
176		.990	.944	.873	.795
178		.991	.946	.877	.801
180		.992	.948	.880	.804
182		.992	.950	.883	.808
184		.993	.953	.888	.814
186		.994	.955	.892	.820
188		.994	.957	.894	.823
190		.995	.960	.900	.829
192		.995	.961	.901	.832
194		.996	.964	.907	.839
196		.996	.965	.910	.842
198		.996	.967	.913	.846

TABLE 9 (CONTINUED)

M=5, N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
200		.997	.968	.916	.850
202		.997	.970	.919	.855
204		.997	.971	.921	.857
206		.998	.974	.925	.864
208		.998	.975	.927	.866
210		.998	.976	.929	.869
212		.998	.976	.931	.871
214		.998	.978	.935	.877
216		.999	.980	.937	.880
218		.999	.981	.940	.884
220		.999	.981	.941	.887
222		.999	.982	.943	.889
224		.999	.983	.945	.892
226		.999	.984	.948	.897
228		.999	.985	.949	.898
230		.999	.986	.952	.902
232		.999	.987	.953	.905
234		.999	.988	.955	.908
236		.999	.988	.957	.910
238		1.000	.989	.958	.912
240			.989	.959	.914
242			.990	.961	.917
244			.990	.962	.919
246			.991	.964	.922
248			.991	.965	.924
250			.992	.967	.927
252			.992	.967	.928
254			.993	.970	.931
256			.994	.971	.933
258			.994	.972	.935
260			.994	.972	.936
262			.994	.973	.938
264			.995	.974	.940
266			.995	.976	.942
268			.995	.976	.943
270			.996	.978	.945
272			.996	.978	.946
274			.996	.979	.949
276			.996	.980	.950
278			.996	.981	.952
280			.997	.982	.953
282			.997	.982	.954
284			.997	.983	.955
286			.997	.984	.957
288			.997	.984	.958
290			.998	.985	.960
292			.998	.986	.961
294			.998	.986	.962
296			.998	.987	.963
298			.998	.988	.965

TABLE 9 (CONTINUED)

M=5,N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
300			.998	.988	.965
302			.998	.988	.966
304			.998	.989	.968
306			.999	.989	.969
308			.999	.990	.969
310			.999	.990	.971
312			.999	.991	.971
314			.999	.991	.973
316			.999	.992	.974
318			.999	.992	.974
320			.999	.992	.975
322			.999	.992	.976
324			.999	.993	.976
326			.999	.993	.977
328			.999	.993	.978
330			.999	.994	.979
332			.999	.994	.979
334			.999	.994	.980
336			.999	.994	.981
338			1.000	.995	.981
340				.995	.982
342				.995	.982
344				.995	.983
346				.996	.984
348				.996	.984
350				.996	.985
352				.996	.985
354				.996	.986
356				.996	.986
358				.997	.987
360				.997	.987
362				.997	.988
364				.997	.988
366				.997	.988
368				.997	.989
370				.997	.989
372				.997	.989
374				.998	.990
376				.998	.990
378				.998	.991
380				.998	.991
382				.998	.991
384				.998	.991
386				.998	.992
388				.998	.992
390				.998	.992
392				.998	.992
394				.999	.993
396				.999	.993
398				.999	.993

TABLE 9 (CONTINUED)

M=5,N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
4J0				.999	.994
402				.999	.994
404				.999	.994
406				.999	.994
408				.999	.994
410				.999	.995
412				.999	.995
414				.999	.995
416				.999	.995
418				.999	.995
420				.999	.995
422				.999	.996
424				.999	.996
426				.999	.996
428				.999	.996
430				.999	.996
432				.999	.996
434				.999	.996
436				1.000	.997
438					.997
440					.997
442					.997
444					.997
446					.997
448					.997
450					.997
452					.997
454					.998
456					.998
458					.998
460					.998
462					.998
464					.998
466					.998
468					.998
470					.998
472					.998
474					.998
476					.998
478					.998
480					.999
482					.999
484					.999
486					.999
488					.999
490					.999
492					.999
494					.999
496					.999
498					.999

TABLE 9 (CONTINUED)

M=5,N EVEN: TIES NOT ALLOWED

J	4	6	8	10	12
500					.999
502					.999
504					.999
506					.999
508					.999
510					.999
512					.999
514					.999
516					.999
518					.999
520					.999
522					.999
524					.999
526					.999
528					.999
530					.999
532					.999
534					1.000

END

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