SOME SIMPLE STATISTICS TO TEST AGAINST ORDERED ALTERNATIVES IN COMPLETE BLOCK DESIGNS

by

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1. INTRODUCTION

Suppose $m \geq 2$ treatments are applied once each to $n \geq 2$ different blocks. Let X_{ij} be the yield of the j-th treatment in the i-th block, for $i=1,\ldots,n$ and $j=1,\ldots,m$. We assume that the blocks are independent, i.e., that

$$\text{(I)} \quad \begin{cases} \text{The random vectors } X_i = (X_{i1},\ldots,X_{im}), \text{ for} \\ i=1,\ldots,n, \text{ are mutually independent.} \end{cases}$$

For simplicity we assume also that the joint distribution function of $X_{i1},\ldots,X_{im}$ is such that

$$\text{(II)} \quad P[X_{ij} = X_{ij'}] = 0 \quad \text{for} \quad j \neq j' \ ,$$

and hence with probability 1 there will be no ties within blocks.

The hypothesis of interest is that of no treatment effects, specifically

$$H_0: \ X_{i1},\ldots,X_{im} \text{ are interchangeable for each } i.$$

This means that each joint distribution function is symmetric in its m arguments. The alternative we have in mind is that the treatments tend to induce a certain specified ordering of the X_{ij}'s; there is no loss in generality in taking this ordering to be an increase with j. In particular, we consider the alternative of additive treatment effects:

$$H_1: \begin{cases} X_{ij} \text{ is distributed as } (X_i - \tau_j), \text{ where } \tau_1 \leq \ldots \leq \tau_m \\ \text{and at least one inequality is strict.} \end{cases}$$

This problem can be treated by the well-known method of n rankings. Let C_i, $i=1,\ldots,n$, be the values of some index of rank correlation between $(X_{i1},\ldots,X_{im})$ and the predicted ranking $(1,\ldots,m)$. Then we may use as test criterion the statistic $G = \sum C_i/n$, the *average external rank correlation.* (The word *external* refers to the fact that the correlations involved are between

the blocks and an external predicted ordering, instead of *internal* correlations among the blocks.) Any such statistic is strictly distribution-free under H_o, and can easily be tabulated for small values of m and n; furthermore, as n tends to infinity it becomes asymptotically normally distributed. Two special cases are: G_S, euqivalent to the test of Page (1963), in which Spearman correlation is used; and G_K, equivalent to the test of Jonckheere (1954), based on Kendall correlation. Suppose, however, that we make the additional assumption of additive block effects, as is common in the usual "parametric" approach to this problem:

$$\text{(III)} \quad \begin{cases} \text{There exist quantities } \beta_1,\ldots,\beta_n \text{ (block} \\ \text{effects) such that the random vectors} \\ (X_{i1}-\beta_i,\ldots,X_{im}-\beta_i)' \text{ are all identically} \\ \text{distributed.} \end{cases}$$

Then, for the special case of m=2 treatments, there is available a standard distribution-free procedure which recovers between-block information: the signed-rank test of Wilcoxon (1945), based on the statistic $Z=\sum Q_i \operatorname{sign}(X_{i1}-X_{i2})$, where $Q_1,\ldots,Q_n$ are the ranks of the within block ranges or absolute differences $|X_{i1}-X_{i2}|$.

A generalization to $m\geq 3$ is due to Doksum (1967). Let $Q_{ijj'}$ be the rank of $|X_{ij}-X_{ij'}|$ among the n absolute differences within blocks between treatments j and j', and let

$$V_{jj'} = \sum (Q_{ijj'}-1)\operatorname{sgn}(X_{ij}-X_{ij'}) = Z_{jj'}-S_{jj'} ,$$

where $Z_{jj'}$ and $S_{jj'}$ are the signed-rank test statistic and the sign test statistic, respectively, for comparing treatments j and j'. Then under H_0 the quantity

$$V = \left\{ \frac{72/m^2(m^2-1)n(n-1)}{2n-1 + (m-2)[24(n-2)\lambda + 13-6n]} \right\}^{\frac{1}{2}} \sum_j \sum_{j'} V_{jj'}$$

has asymptotically the standard normal distribution, where

$\lambda = P\{X_1 < \min(X_2+X_3-X_4,\ X_5+X_6-X_7)\}$ for independent observations $X_1,\ldots,X_7$.

The parameter λ can be estimated from the data, or replaced by its upper bound $7/24$ to give a conservative test. Unfortunately, this test is only asymptotically distribution-free.

An alternative method of generalizing to $m\geq 3$, called *weighted rankings*, is due to Quade (1979). The idea behind this method is that blocks in which the treatments are more distinct are more likely to reflect any underlying true ordering; hence these blocks, which may be referred to as more *credible*, should receive greater weight in the analysis. (In practice, credibility is measured by *apparent* variability; but note that by Assumption III the *true* variability is the same in all blocks.) To determine the weight for the i-th block, use some location-free statistic $D_i = D(X_{i1},\ldots,X_{im})$ which measures the credibility of the block with respect to treatment ordering, and let Q_i be the rank of D_i among $D_1,\ldots,D_n$. Again for simplicity of exposition, make the (unessential) assumption

$$\text{(IV)} \qquad P\{D_i = D_{i'}\} = 0 \text{ for } i \neq i' \ ,$$

so that there will be no ties in the ranking of the blocks. Let $0\leq b_1\leq\ldots\leq b_n$ be a fixed set of block scores; and weight the i-th block proportionally to b_{Q_i}. (For the purposes of this paper it is of no importance exactly which measure D is considered; in practice, we have used the range.) Then the *weighted* average rank correlation becomes

$$W = \sum_{i=1}^{n} b_{Q_i} C_i \Big/ \sum_{i=1}^{n} b_i$$

where C_i is any measure of rank correlation, as in the method of n (unweighted) rankings; the special case where $b_i \equiv 1$ is the *unweighted* average correlation. The signed-rank statistic Z for $m=2$ is also a special case, in which

$C_i = \text{sgn}(X_{i1}-X_{i2})$ and $b_i=i$.

Clearly any statistic W is distribution-free under H_0, and its sampling distribution could be tabulated for small m and n. For larger experiments one may use a normal approximation:

If the block weights $b_1,\ldots,b_n$ are so chosen that $\max b_i^2/\sum b_i^2 \to 0$ as $n \to \infty$, and if $0 < V(C) < \infty$, then under H_0, W is asymptotically normally distributed with mean equal to $E[C]$ and variance $V(C)\sum b_i^2 \Big/ \left(\sum b_i\right)^2$, where $E[C]$ and $V[C]$ are the null-hypothesis mean and variance of the correlation statistic C. Such weighted average external rank correlations are discussed by Salama and Quade (1981), who consider the two special cases of W_S, in which Spearman's rho is the measure of correlation, and W_K, based on Kendall's tau. In both cases they used *linear weights* $b_i = i$ for $i=1,\ldots,n$, so that $W_S = 2\sum Q_i S_i/n(n+1)$ and $W_K = 2\sum Q_i K_i/n(n+1)$, where S_i and K_i are the Spearman and Kendall rank correlations, respectively, between the ranking in the i-th block and the predicted ranking $(1,\ldots,m)$.

The purpose of this paper is to introduce some simple new statistics for testing against the ordered alternative, based on the concepts set forth above. As previously stated we use the range of a block as the measure of its credibility (variability), though this is not essential to the development; and we shall also restrict ourselves to linear block weights.

2. EXTENDING THE SIGNED-RANK STATISTIC TO $M \geq 3$

Suppose we consider a measure of correlation, say C_i, which takes on the values +1 and -1 only, with probabilities ½ each under H_0. Then the corresponding weighted average external rank correlation is

$$W = \frac{2\sum Q_i C_i}{n(n+1)} = \frac{2Y}{n(n+1)}$$

where clearly the null-hypothesis distribution of $Y = \sum Q_i C_i$ is identically the same as that of Wilcoxon's signed-rank statistic.

The particular correlation measure we have in mind is as follows. Let R_{ij}, j=1,...,m, be the ranks of the observations within the i-th block, and let R_{ij}^{-1} be the *antiranks*, so defined that $R_{ik}^{-1} = j$ if $R_{ij} = k$. Then consider the correlation measure

$$B_i = \operatorname{sgn}(R_{im}^{-1} - R_{i1}^{-1}) \ , \quad i=1,\ldots,n \ ,$$

which equals +1 if the treatment giving highest yield within the i-th block is to the right of (has a larger subscript than) the treatment with lowest yield, and equals -1 otherwise. The test statistic is then

$$B = \sum_{i=1}^{n} \operatorname{sgn}(R_{im}^{-1} - R_{i1}^{-1})$$

which is a convenient integer equal to n(n+1)/2 times the average correlation.

3. TESTS BASED ON ANTIRANK CORRELATION

Another simple measure of correlation is the *antirank correlation*

$$A_i = \frac{R_{im}^{-1} - R_{i1}^{-1}}{m-1} \ , \quad i=1,\ldots,n \ .$$

It is easy to see that, under H_0,

$$P\{A_i = \frac{j}{m-1}\} = P\{A_i = \frac{-j}{m-1}\} = \frac{m-j}{m(m-1)} \ , \quad j=1,\ldots,m \ ;$$

thence

$$E[A_i] = 0, \qquad V[A_i] = \frac{m(m+1)}{6(m-1)^2} \ .$$

Thus if we define an unweighted average correlation

$$G_A = \frac{1}{n} \sum_{i=1}^{n} A_i$$

and a weighted version

$$W_A = \frac{2 \sum_{i=1}^{n} Q_i A_i}{n(n+1)} \ ,$$

then, under H_0,

$$E[G_A] = 0, \qquad V[G_A] = \frac{m(m+1)}{6n(m-1)^2} ,$$

and

$$E[W_A] = 0, \qquad V[W_A] = \frac{(2n+1)m(m+1)}{9n(n+1)(m-1)^2} .$$

It is thus clear that the standardized versions

$$G_A^* = \frac{G_A}{\sqrt{V[G_B]}} = \frac{\sqrt{6}\sum_{i=1}^{n}(R_{im}^{-1} - R_{i1}^{-1})}{[nm(m+1)]^{\frac{1}{2}}}$$

and

$$W_A^* = \frac{W_A}{\sqrt{V[W_B]}} = \frac{6\sum_{i=1}^{n}(R_{im}^{-1} - R_{i1}^{-1})Q_i}{[n(n+1)(2n+1)m(m+1)]^{\frac{1}{2}}}$$

are both asymptotically N(0,1) as n tends to infinity.

Appendix A provides the exact distribution of G_A and W_A for m=(3)1(7) and n=2(1)10, in Tables A1 and A4, respectively. In all cases the tables extend from the center of the distribution, where the P-value is .5 or slightly greater, out in the right tail so long as P > .001. Tables A2 and A5 give critical values at α = .001, .005, .01, .025, .05, .1 for n=2(1)20, based on more complete exact tables available from the first author.

Tables A3 and A6 show the results of an investigation into the adequacy of the normal approximation. Let Z be the standardized version of any test statistic, for example G_A^* or W_A^*, and let $P(Z) = P\{Z \geq z\}$ be the exact P-value corresponding to an observed value Z = z; the normal approximation is of course $\Phi(-z)$, where Φ is the standard normal cumulative distribution function. Then

$$E = \max_{\Phi(-z)\geq.01} \frac{|P(z) - \Phi(-z)|}{\Phi(-z)}$$

is the measure of error shown in the table, for n=11(1)20 and m=3(1)7. At n=20, this *maximum error* decreases from 19% at m=3 to 8% at m=7 for G_A, and from 7.5% at m=3 to 5% at m=7 for W_A. For G_A we actually have $P(z) > \Phi(z)$ at the point of greatest discrepancy, i.e., the approximation tends to be anticonservative; whereas for W_A the inequality is in the opposite direction, i.e., the approximation tends to be conservative.

4. TESTS BASED ON SPEARMAN'S FOOTRULE

The third type of statistic we consider here is based on *Spearman's Footrule* (Spearman, 1904). The footrule measure of discrepancy for the i-th block is

$$F_i = \sum_{j=1}^{m} |R_{ij} - j|, \quad i=1,\ldots,n ;$$

Spearman found that under H_0

$$E[F_i] = \frac{(m-1)(m+1)}{3}$$

and

$$V[F_i] = \frac{(m+1)(2m^2+7)}{45} .$$

Since the footrule is not symmetric under reversal of the sign of one of the variables, it is somewhat difficult to turn it into a standardized correlation coefficient ranging from -1 to +1. Thus we propose instead as test statistics the average footrule

$$G_F = \frac{1}{n} \sum_{i=1}^{n} F_i$$

and the weighted average footrule

$$W_F = \frac{2}{n(n+1)} \sum_{i=1}^{n} Q_i F_i .$$

These average footrules can then be standardized, giving

$$G_F^* = \frac{E[G_F] - G_F}{V[G_F]} = \frac{n(m-1)(m+1) - 3\sum_{i=1}^{n}\sum_{j=1}^{m}|R_{ij} - j|}{\sqrt{n(m+1)(2m^2+7)/5}}$$

and

$$W_F^* = \frac{E[W_F] - W_F}{V[W_F]} = \frac{n(n+1)(m-1)(m+1) - 6\sum_{i=1}^{n}Q_i\sum_{j=1}^{m}|R_{ij} - j|}{\sqrt{2n(n+1)(2n+1)(m+1)(2m^2+7)/15}},$$

both of which clearly are asymptotically N(0,1) as n tends to infinity. Note that we have used $(E[X] - X)/(V[X])^{\frac{1}{2}}$ as the studentized form of the random variable X, instead of the usual form, so that the resulting value properly reflects the sign of the trend.

Appendix B tabulates the average footrule in a manner exactly parallel to Appendix A. Thus Tables B1 and B4 provide the exact distributions of G_F and W_F, respectively, for m=3(1)7 and n=2(1)10; Tables B2 and B5 give critical values for n=2(1)10; and Tables B3 and B6 show the maximum error in the normal approximation. It may be seen that even for samples of size n=20 the normal approximation to the distribution of G_F is poor, with maximum error decreasing from 91% at m=3 to 26% at m=7; the approximation for W_F is somewhat better, with maximum error decreasing from 33% at m=3 to 13% at m=7. In both cases the approximation tends to be anticonservative, i.e., the true P-value exceeds that given by the normal curve.

5. EVALUATION USING EXPECTED SIGNIFICNACE LEVEL

In a Monte Carlo study similar to those of Silva and Quade (1980) and Salama and Quade (1981), to which we refer for details, we have compared the performance in small experiments of the weighted average external antirank and footrule correlation statistics W_A and W_F, their unweighted counterparts G_A and G_F, and the extended Wilcoxon statistic B. The criterion here, as in the earlier papers, is the expected significance level (ESL) proposed by Dempster and Schatzoff (1965). Under the null hypothesis of no treatment effects, the X_{ij}'s are independent and identically distributed (IID) according to one

of three symmetric distributions: normal, uniform, and Laplace, each scaled to have mean 0 and standard deviation 1. The sort of alternative against which we test is that there exist *additive treatment effects* $\tau_1 \leq \ldots \leq \tau_m$, where at least one inequality is strict, such that $\{X_{ij}-\tau_j,\ j=1,\ldots,m\}$ are IID for each i. In particular, we present results for experiments in which m=3 treatments have effects (-.50, 0, +.50), or m=4 treatments have effects (-.50, -.25, +.25, +50), or m=5 treatments have effects (-.50, -.25, 0, +.25, +.50). The block sizes we used were n=3, 4, 5, 6, and 7. For each of the 15 designs and for each of the 3 error distributions, we generated 100 experiments under H_0 and 100 under H_1. Then we computed the 5 test statistics for each experiment, and finally the estimates of the ESLs and the standard errors of their differences. Our methods for generating the data and tabulating the results were the same as those of Silva and Quade (1980).

Results for normal, uniform, and Laplace errors are presented in Tables I, II, and III, respectively. As was shown by Salama and Quade (1981) for Spearman and Kendall correlations, the use of linear weights generally reduces (improves) ESL for normal and especially for uniform errors, but generally increases (worsens) it for Laplace errors. For uniform errors, comparisons between antirank and footrule correlations definitely favor the former, so that W_A is about as powerful as W_S, the best of those previously investigated. For normal errors, there is not much to choose between the antirank and footrule correlations, but neither is quite so powerful as Spearman and Kendall correlation, and Doksum's test still seems to be the best among the nonparametric methods we have investigated. For Laplace errors, the antirank correlation test is more powerful than the footrule correlation test if m=3 but the situation is mixed if m=4 and reversed if m=5; G_S seems best overall, though G_A is equally good if m=3. The extended Wilcoxon test landed at the bottom of the heap for Laplace errors, and was only intermediate for normal and uniform

errors; yet its simplicity might still earn it a role as a "quick and dirty" method.

In summary, we cannot claim that the new procedures proposed in this paper have particularly great advantages over those already in the literature, but one of them (antirank correlation) turns out to perform about as well overall as the best previously known (Spearman correlation); and another, while less powerful, is extremely simple. Footrule correlation appears to have little to recommend it, although studying it may have been justified by its theoretical interest.

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TABLE I

Comparison of Expected Significance Levels: Normal Errors

Number of Treatments (m)	Number of Blocks (n)	Test statistic				
		B	G_A	W_A	G_F	W_F
3	3	.2189	.2556	.2171	.2597	.2241
	4	.1848	.1780	.1654	.1972	.1769
	5	.1664	.1978	.1472	.1863	.1436
	6	.1576	.1617	.1388	.1666	.1506
	7	.1594	.1372	.1461	.1551	.1705
4	3	.2530	.2344	.2329	.2149	.2147
	4	.1853	.1943	.1747	.1818	.1754
	5	.1630	.1559	.1391	.1449	.1221
	6	.1922	.1780	.1693	.1752	.1714
	7	.1100	.0933	.0881	.0918	.0798
5	3	.2396	.2530	.2218	.2381	.2184
	4	.2041	.1747	.1728	.1861	.1730
	5	.1732	.1000	.1555	.1676	.1652
	6	.1795	.1668	.1435	.1413	.1264
	7	.1419	.1187	.0939	.1115	.0964

TABLE II

Comparison of Expected Significance Levels: Uniform Errors

Number of Treatments (m)	Number of Blocks (n)	Test statistic				
		B	G_A	W_A	G_F	W_F
3	3	.2508	.2575	.2390	.2756	.2538
	4	.1817	.1669	.1604	.1887	.1839
	5	.1532	.1888	.1462	.1961	.1663
	6	.1382	.1487	.1374	.1807	.1655
	7	.1194	.1219	.0792	.1173	.0803
4	3	.2222	.2174	.1925	.2549	.2367
	4	.1663	.1951	.1420	.2186	.1769
	5	.0973	.1302	.0931	.1719	.1282
	6	.1517	.1357	.1164	.1588	.1374
	7	.0900	.0883	.0758	.1138	.1026
5	3	.1861	.2025	.1600	.2404	.2060
	4	.1806	.1834	.1476	.2020	.1767
	5	.1267	.1259	.0951	.1182	.0986
	6	.1578	.1352	.1005	.1667	.1264
	7	.0930	.1081	.0648	.1341	.0988

TABLE III

Comparison of Expected Significance Levels: Laplace Errors

Number of Treatments (m)	Number of Blocks (n)	Test statistic				
		B	G_A	W_A	G_F	W_F
3	3	.2113	.2006	.2027	.2165	.2147
	4	.1528	.1300	.1347	.1543	.1692
	5	.1469	.1393	.1352	.1529	.1481
	6	.1389	.1323	.1389	.1528	.1557
	7	.1024	.0722	.0740	.0703	.0719
4	3	.2288	.1955	.2055	.2060	.2101
	4	.1855	.1605	.1540	.1552	.1442
	5	.1414	.1151	.1281	.1205	.1279
	6	.1651	.1112	.1292	.0920	.1156
	7	.1029	.0679	.0865	.0611	.0847
5	3	.2223	.2115	.2005	.1621	.1602
	4	.2058	.1584	.1788	.1337	.1547
	5	.1673	.1386	.1431	.0752	.0891
	6	.2036	.1229	.1581	.0925	.1166
	7	.1339	.0987	.1021	.0666	.0731

APPENDIX A

TABLES OF AVERAGE ANTIRANK CORRELATIONS

Table A1 (pages 15 to 24): Exact distribution of G_A^*

The columns are: (1) $n(m-1)G_A$ (a convenient integer)

(2) $(m-1)G_A$

(3) G_A^*

(4) Exact P-value

Table A2 (pages 25 to 27): Critical values of G_A^*

Table A3 (page 28): Maximum error in the normal approximation to G_A^*

Table A4 (pages 29 to 59): Exact distribution of W_A^*

The columns are: (1) $\frac{n(n+1)}{2}(m-1)W_A$ (a convenient integer)

(2) $(m-1)W_A$

(3) W_A^*

(4) Exact P-value

Table A5 (pages 60 to 62): Critical values of W_A^*

Table A6 (page 63): Maximum error in the normal approximation to W_A^*

Table A1

M= 3 , N= 2

0	0.0	0.0	.63888896
1	0.500	0.500	.36111122
2	1.000	1.000	.25000012
3	1.500	1.500	.13888907
4	2.000	2.000	.02777800

M= 3 , N= 3

0	0.0	0.0	.55555570
1	0.333	0.408	.44444460
2	0.667	0.816	.27777797
3	1.000	1.225	.15277803
4	1.333	1.633	.08796322
5	1.667	2.041	.03240775
6	2.000	2.449	.00462998

M= 3 , N= 4

0	0.0	0.0	.57638907
1	0.250	0.354	.42361134
2	0.500	0.707	.30632746
3	0.750	1.061	.20138925
4	1.000	1.414	.10879666
5	1.250	1.768	.05632760
6	1.500	2.121	.02546342
7	1.750	2.475	.00694491

M= 3 , N= 5

0	0.0	0.0	.55658460
1	0.200	0.316	.44341594
2	0.400	0.632	.32253122
3	0.600	0.949	.21836466
4	0.800	1.265	.14120418
5	1.000	1.581	.07947582
6	1.200	1.897	.03935242
7	1.400	2.214	.01813330
8	1.600	2.530	.00655923
9	1.800	2.846	.00141520

M= 3 , N= 6

0	0.0	0.0	.55765635
1	0.167	0.289	.44234431
2	0.333	0.577	.33689171
3	0.500	0.866	.24172717
4	0.667	1.155	.15959418
5	0.833	1.443	.09960192
6	1.000	1.732	.05716373
7	1.167	2.021	.02878584
8	1.333	2.309	.01309655
9	1.500	2.598	.00525191
10	1.667	2.887	.00156536

M= 3 , N= 7

0	0.0	0.0	.55101198
1	0.143	0.267	.44898880
2	0.286	0.535	.34756565
3	0.429	0.802	.25581980
4	0.571	1.069	.17945236
5	0.714	1.336	.11733824
6	0.857	1.604	.07157779
7	1.000	1.871	.04089586
8	1.143	2.138	.02113421
9	1.286	2.405	.00973162
10	1.429	2.673	.00403032
11	1.571	2.940	.00140473

M= 3 , N= 8

0	0.0	0.0	.54909915
1	0.125	0.250	.45090175
2	0.250	0.500	.35668033
3	0.375	0.750	.27006060
4	0.500	1.000	.19424337
5	0.625	1.250	.13312942
6	0.750	1.500	.08617592
7	0.875	1.750	.05208245
8	1.000	2.000	.02947730
9	1.125	2.250	.01543839
10	1.250	2.500	.00729368
11	1.375	2.750	.00309273
12	1.500	3.000	.00115895

M= 3 , N= 9

0	0.0	0.0	.54584426
1	0.111	0.236	.45415676
2	0.222	0.471	.36421126
3	0.333	0.707	.28097981
4	0.444	0.943	.20820612
5	0.556	1.179	.14716369

6	0.667	1.414	.09902418
7	0.778	1.650	.06331247
8	0.889	1.886	.03808533
9	1.000	2.121	.02145297
10	1.111	2.357	.01128320
11	1.222	2.593	.00544973
12	1.333	2.828	.00237760

M= 3 , N=10

0	0.0	0.0	.54385430
1	0.100	0.224	.45614684
2	0.200	0.447	.37072068
3	0.300	0.671	.29102594
4	0.400	0.894	.21992052
5	0.500	1.118	.15979224
6	0.600	1.342	.11120737
7	0.700	1.565	.07380605
8	0.800	1.789	.04663983
9	0.900	2.012	.02791666
10	1.000	2.236	.01571150
11	1.100	2.460	.00828416
12	1.200	2.683	.00405965
13	1.300	2.907	.00182031

M= 4 , N= 2

0	0.0	0.0	.59722227
1	0.500	0.387	.40277791
2	1.000	0.775	.29166681
3	1.500	1.162	.18750012
4	2.000	1.549	.10416681
5	2.500	1.936	.03472244
6	3.000	2.324	.00694468

M= 4 , N= 3

0	0.0	0.0	.55208349
1	0.333	0.316	.44791681
2	0.667	0.632	.32638907
3	1.000	0.949	.22222245
4	1.333	1.265	.13888913
5	1.667	1.581	.08333361
6	2.000	1.897	.04166700
7	2.333	2.214	.01620405
8	2.667	2.530	.00405128

M= 4 , N= 4

0	0.0	0.0	.55468768
1	0.250	0.274	.44551271
2	0.500	0.548	.34577572
3	0.750	0.822	.25434059
4	1.000	1.095	.17640853
5	1.250	1.369	.11241359
6	1.500	1.643	.06727469
7	1.750	1.917	.03698926
8	2.000	2.191	.01808495
9	2.250	2.465	.00718604
10	2.500	2.739	.00217061

M= 4 , N= 5

0	0.0	0.0	.54661804
1	0.200	0.245	.45338249
2	0.400	0.490	.36064929
3	0.600	0.735	.27533072
4	0.800	0.980	.20072222
5	1.000	1.225	.13979763
6	1.200	1.470	.09156024
7	1.400	1.715	.05615491
8	1.600	1.960	.03202217
9	1.800	2.205	.01691159
10	2.000	2.449	.00801001
11	2.200	2.694	.00325982
12	2.400	2.939	.00106959

M= 4 , N= 6

0	0.0	0.0	.54362077
1	0.167	0.224	.45637989
2	0.333	0.447	.37166417
3	0.500	0.671	.29238784
4	0.667	0.894	.22161186
5	0.833	1.118	.16104096
6	1.000	1.342	.11213249
7	1.167	1.565	.07440823
8	1.333	1.789	.04678324
9	1.500	2.012	.02762977
10	1.667	2.236	.01525999
11	1.833	2.460	.00780517
12	2.000	2.683	.00363368
13	2.167	2.907	.00149034

M= 4 , N= 7

0	0.0	0.0	.54029006
1	0.143	0.207	.45971072
2	0.286	0.414	.38051224
3	0.429	0.621	.30586869
4	0.571	0.828	.23822242
5	0.714	1.035	.17943949
6	0.857	1.242	.13026303
7	1.000	1.449	.09091347
8	1.143	1.656	.06081222
9	1.286	1.863	.03886035
10	1.429	2.070	.02358656
11	1.571	2.277	.01351864
12	1.714	2.484	.00726819
13	1.857	2.691	.00363729
14	2.000	2.898	.00167063

M= 4 , N= 8

0	0.0	0.0	.53787786
1	0.125	0.194	.46212304
2	0.250	0.387	.38772434
3	0.375	0.581	.31708819
4	0.500	0.775	.25234169
5	0.625	0.968	.19502884
6	0.750	1.162	.14615488
7	0.875	1.356	.10596961
8	1.000	1.549	.07416499
9	1.125	1.743	.04996610
10	1.250	1.936	.03232083
11	1.375	2.130	.02000365
12	1.500	2.324	.01179445
13	1.625	2.517	.00658909
14	1.750	2.711	.00346744
15	1.875	2.905	.00170597

M= 4 , N= 9

0	0.0	0.0	.53576839
1	0.111	0.183	.46423262
2	0.222	0.365	.39378160
3	0.333	0.548	.32654464
4	0.444	0.730	.26435030
5	0.556	0.913	.20862466
6	0.667	1.095	.16025537
7	0.778	1.278	.11963445
8	0.889	1.461	.08664936
9	1.000	1.643	.06077957
10	1.111	1.826	.04119902
11	1.222	2.008	.02692417
12	1.333	2.191	.01691902
13	1.444	2.373	.01019197
14	1.556	2.556	.00586284
15	1.667	2.739	.00320574
16	1.778	2.921	.00165718

M= 4 , N=10

0	0.0	0.0	.53400236
1	0.100	0.173	.46599877
2	0.200	0.346	.39895117
3	0.300	0.520	.33467788
4	0.400	0.693	.27478749
5	0.500	0.866	.22055060
6	0.600	1.039	.17284179
7	0.700	1.212	.13208944
8	0.800	1.386	.09830838
9	0.900	1.559	.07115316
10	1.000	1.732	.05000632
11	1.100	1.905	.03406756
12	1.200	2.078	.02245490
13	1.300	2.252	.01428858
14	1.400	2.425	.00875632
15	1.500	2.598	.00515315
16	1.600	2.771	.00290250
17	1.700	2.944	.00155834

M= 5 , N= 2

0	0.0	0.0	.57500011
1	0.500	0.316	.42500013
2	1.000	0.632	.32500017
3	1.500	0.949	.23000020
4	2.000	1.265	.15000021
5	2.500	1.581	.08750021
6	3.000	1.897	.03750028
7	3.500	2.214	.01250029
8	4.000	2.530	.00250030

M= 5 , N= 3

0	0.0	0.0	.54537517
1	0.333	0.258	.45462519
2	0.667	0.516	.35637528
3	1.000	0.775	.26750028
4	1.333	1.033	.19050032
5	1.667	1.291	.12787533
6	2.000	1.549	.08212537
7	2.333	1.807	.04762542
8	2.667	2.066	.02437543
9	3.000	2.324	.01050044
10	3.333	2.582	.00350045

M= 5 , N= 4

0	0.0	0.0	.54381275
1	0.250	0.224	.45618778
2	0.500	0.447	.37268782
3	0.750	0.671	.29406291
4	1.000	0.894	.22356296
5	1.250	1.118	.16312546
6	1.500	1.342	.11312550
7	1.750	1.565	.07487553
8	2.000	1.789	.04687556
9	2.250	2.012	.02746933
10	2.500	2.236	.01481934
11	2.750	2.460	.00711934
12	3.000	2.683	.00296934
13	3.250	2.907	.00103185

M= 5 , N= 5

0	0.0	0.0	.53856593
1	0.200	0.200	.46143472
2	0.400	0.400	.38515350
3	0.600	0.600	.31295049
4	0.800	0.800	.24695051
5	1.000	1.000	.18881774
6	1.200	1.200	.13969469
7	1.400	1.400	.09948689
8	1.600	1.600	.06801194
9	1.800	1.800	.04445571
10	2.000	2.000	.02765572
11	2.200	2.200	.01629542
12	2.400	2.400	.00899230
13	2.600	2.600	.00458293
14	2.800	2.800	.00211731

M= 5 , N= 6

0	0.0	0.0	.55559375
1	0.167	0.183	.46440709
2	0.333	0.365	.39440835
3	0.500	0.548	.32750154
4	0.667	0.730	.26550204
5	0.833	0.913	.20980585
6	1.000	1.095	.16128647
7	1.167	1.278	.12045538
8	1.333	1.461	.08719963
9	1.500	1.643	.06103976
10	1.667	1.826	.04119859
11	1.833	2.008	.02671610
12	2.000	2.191	.01658980
13	2.167	2.373	.00981968
14	2.333	2.556	.00550700
15	2.500	2.739	.00290206
16	2.667	2.921	.00142050

M= 5 , N= 7

0	0.0	0.0	.53302103
1	0.143	0.169	.46697998
2	0.286	0.338	.40177530
3	0.429	0.507	.33910453
4	0.571	0.676	.28044170
5	0.714	0.845	.22698450
6	0.857	1.014	.17959207
7	1.000	1.183	.13870513
8	1.143	1.352	.10442871
9	1.286	1.521	.07652438
10	1.429	1.690	.05448692
11	1.571	1.859	.03762528
12	1.714	2.028	.02513833

13	1.857	2.197	.01620798
14	2.000	2.366	.01005417
15	2.143	2.535	.00597931
16	2.286	2.704	.00339479
17	2.429	2.874	.00182988

M= 5 , N= 8

0	0.0	0.0	.53098124
1	0.125	0.158	.46901989
2	0.250	0.316	.40778184
3	0.375	0.474	.34864604
4	0.500	0.632	.29286402
5	0.625	0.791	.24147391
6	0.750	0.949	.19524461
7	0.875	1.107	.15465999
8	1.000	1.265	.11989784
9	1.125	1.423	.09086549
10	1.250	1.581	.06723875
11	1.375	1.739	.04851756
12	1.500	1.897	.03408951
13	1.625	2.055	.02328522
14	1.750	2.214	.01543393
15	1.875	2.372	.00990579
16	2.000	2.530	.00614118
17	2.125	2.688	.00366736
18	2.250	2.846	.00210267
19	2.375	3.004	.00115294

M= 5 , N= 9

0	0.0	0.0	.52926630
1	0.111	0.149	.47073495
2	0.222	0.298	.41280937
3	0.333	0.447	.35666990
4	0.444	0.596	.30339003
5	0.556	0.745	.25387996
6	0.667	0.894	.20884335
7	0.778	1.043	.16874796
8	0.889	1.193	.13382453
9	1.000	1.342	.10407543
10	1.111	1.491	.07930326
11	1.222	1.640	.05914987
12	1.333	1.789	.04314068
13	1.444	1.938	.03073297
14	1.556	2.087	.02135851
15	1.667	2.236	.01446079
16	1.778	2.385	.00952365
17	1.889	2.534	.00609042
18	2.000	2.683	.00377457
19	2.111	2.832	.00226197
20	2.222	2.981	.00130737

M= 5 , N=10

0	0.0	0.0	.52781022
1	0.100	0.141	.47219121
2	0.200	0.283	.41709542
3	0.300	0.424	.36354017
4	0.400	0.566	.31246084
5	0.500	0.707	.26466340
6	0.600	0.849	.22078806
7	0.700	0.990	.18128735
8	0.800	1.131	.14641631
9	0.900	1.273	.11623943
10	1.000	1.414	.09064817
11	1.100	1.556	.06958893
12	1.200	1.697	.05209702
13	1.300	1.838	.03833257
14	1.400	1.980	.02761647
15	1.500	2.121	.01946220
16	1.600	2.263	.01340225
17	1.700	2.404	.00900777
18	1.800	2.546	.00590131
19	1.900	2.687	.00376308
20	2.000	2.828	.00233185
21	2.100	2.970	.00140164

M= 6 , N= 2

0	0.0	0.0	.56111121
1	0.500	0.267	.43888909
2	1.000	0.535	.35000020
3	1.500	0.802	.26444471
4	2.000	1.069	.18888915
5	2.500	1.336	.12666696
6	3.000	1.604	.07777810
7	3.500	1.871	.03888923
8	4.000	2.138	.01666702
9	4.500	2.405	.00555591
10	5.000	2.673	.00111147

M= 6 , N= 3

0	0.0	0.0	.53955579
1	0.333	0.218	.46044469
2	0.667	0.436	.37744474
3	1.000	0.655	.30011147
4	1.333	0.873	.23037076
5	1.667	1.091	.16992635
6	2.000	1.309	.12003750
7	2.333	1.528	.08166713
8	2.667	1.746	.05200051
9	3.000	1.964	.03066719
10	3.333	2.182	.01644497
11	3.667	2.400	.00777831
12	4.000	2.619	.00311165
13	4.333	2.837	.00103757

M= 6 , N= 4

0	0.0	0.0	.53681141
1	0.250	0.189	.46318924
2	0.500	0.378	.39170289
3	0.750	0.567	.32332265
4	1.000	0.756	.26009309
5	1.250	0.945	.20352399
6	1.500	1.134	.15452653
7	1.750	1.323	.11331171
8	2.000	1.512	.08029443
9	2.250	1.701	.05473401
10	2.500	1.890	.03571180
11	2.750	2.079	.02216119
12	3.000	2.268	.01295626
13	3.250	2.457	.00702664
14	3.500	2.646	.00349084
15	3.750	2.835	.00155997

M= 6 , N= 5

0	0.0	0.0	.53275967
1	0.200	0.169	.46724113
2	0.400	0.338	.40237582
3	0.600	0.507	.34000140
4	0.800	0.676	.28153002
5	1.000	0.845	.22813338
6	1.200	1.014	.18066943
7	1.400	1.183	.13967276
8	1.600	1.352	.10515630
9	1.800	1.521	.07696873
10	2.000	1.690	.05465393
11	2.200	1.859	.03755419
12	2.400	2.028	.02489886
13	2.600	2.197	.01587746
14	2.800	2.366	.00968632
15	3.000	2.535	.00561801
16	3.200	2.704	.00307365
17	3.400	2.874	.00157077

M= 6 , N= 6

0	0.0	0.0	.53011703
1	0.167	0.154	.46988398
2	0.333	0.309	.41033769
3	0.500	0.463	.35270234
4	0.667	0.617	.29813421
5	0.833	0.772	.24760425
6	1.000	0.926	.20185155
7	1.167	1.080	.16134930
8	1.333	1.234	.12634349
9	1.500	1.389	.09679687
10	1.667	1.543	.07246512
11	1.833	1.697	.05293355
12	2.000	1.852	.03766628
13	2.167	2.006	.02605930
14	2.333	2.160	.01749418
15	2.500	2.315	.01136805
16	2.667	2.469	.00712962
17	2.833	2.623	.00430021
18	3.000	2.777	.00248336
19	3.167	2.932	.00136562

M= 6 , N= 7

0	0.0	0.0	.52796024
1	0.143	0.143	.47204095
2	0.286	0.286	.41664195
3	0.429	0.429	.36279631
4	0.571	0.571	.31144583
5	0.714	0.714	.26340419
6	0.857	0.857	.21932012
7	1.000	1.000	.17965525
8	1.143	1.143	.14466596
9	1.286	1.286	.11442292
10	1.429	1.429	.08881950
11	1.571	1.571	.06760049
12	1.714	1.714	.05039658
13	1.857	1.857	.03676064
14	2.000	2.000	.02620288
15	2.143	2.143	.01822618
16	2.286	2.286	.01255220
17	2.429	2.429	.00814190
18	2.571	2.571	.00520908
19	2.714	2.714	.00322729
20	2.857	2.857	.00193087
21	3.000	3.000	.00111198

M= 6 , N= 8

0	0.0	0.0	.52622056
1	0.125	0.134	.47378081
2	0.250	0.267	.42177880
3	0.375	0.401	.37106544
4	0.500	0.535	.32243258
5	0.625	0.668	.27657568
6	0.750	0.802	.23406571
7	0.875	0.935	.19532907
8	1.000	1.069	.16064030
9	1.125	1.203	.13011944
10	1.250	1.336	.10374320
11	1.375	1.470	.08136201
12	1.500	1.604	.06272268
13	1.625	1.737	.04749431
14	1.750	1.871	.03529564
15	1.875	2.004	.02572046
16	2.000	2.138	.01836082
17	2.125	2.272	.01282609
18	2.250	2.405	.00875721
19	2.375	2.539	.00583616
20	2.500	2.673	.00379081
21	2.625	2.806	.00239580
22	2.750	2.940	.00147050

M= 6 , N= 9

0	0.0	0.0	.52476698
1	0.111	0.126	.47523457
2	0.222	0.252	.42607141
3	0.333	0.378	.37800080
4	0.444	0.504	.33169937
5	0.556	0.630	.28776985
6	0.667	0.756	.24671870
7	0.778	0.882	.20893997
8	0.889	1.008	.17470551
9	1.000	1.134	.14416397
10	1.111	1.260	.11734509
11	1.222	1.386	.09417075
12	1.333	1.512	.07447064
13	1.444	1.638	.05800092
14	1.556	1.764	.04446447
15	1.667	1.890	.03353131
16	1.778	2.016	.02485752
17	1.889	2.142	.01810182
18	2.000	2.268	.01293910
19	2.111	2.394	.00907053
20	2.222	2.520	.00623018
21	2.333	2.646	.00418853
22	2.444	2.772	.00275311
23	2.556	2.898	.00176704
24	2.667	3.024	.00110596

M= 6 , N=10

0	0.0	0.0	.52353126
1	0.100	0.120	.47647047
2	0.200	0.239	.42972755
3	0.300	0.359	.38392591
4	0.400	0.478	.33965266
5	0.500	0.598	.29743659
6	0.600	0.717	.25773019
7	0.700	0.837	.22089595
8	0.800	0.956	.18719810
9	0.900	1.076	.15679914
10	1.000	1.195	.12976241
11	1.100	1.315	.10605907
12	1.200	1.434	.08557850
13	1.300	1.554	.06814241
14	1.400	1.673	.05351999
15	1.500	1.793	.04144378
16	1.600	1.912	.03162535
17	1.700	2.032	.02376941
18	1.800	2.151	.01758602
19	1.900	2.271	.01280041
20	2.000	2.390	.00916028
21	2.100	2.510	.00644052

22	2.200	2.630	.00444566
23	2.300	2.749	.00301024
24	2.400	2.869	.00199772
25	2.500	2.988	.00129817

M= 7 , N= 2

0	0.0	0.0	.55158746
1	0.500	0.231	.44841284
2	1.000	0.463	.36904782
3	1.500	0.694	.29195035
4	2.000	0.926	.22165561
5	2.500	1.157	.16099799
6	3.000	1.389	.11111140
7	3.500	1.620	.07142889
8	4.000	1.852	.03968288
9	4.500	2.083	.01984162
10	5.000	2.315	.00850375
11	5.500	2.546	.00283482

M= 7 , N= 3

0	0.0	0.0	.53486419
1	0.333	0.189	.46513629
2	0.667	0.378	.39314091
3	1.000	0.567	.32483023
4	1.333	0.756	.26166219
5	1.667	0.945	.20493239
6	2.000	1.134	.15561265
7	2.333	1.323	.11432397
8	2.667	1.512	.08144414
9	3.000	1.701	.05536709
10	3.333	1.890	.03571480
11	3.667	2.079	.02166395
12	4.000	2.268	.01218874
13	4.333	2.457	.00623636
14	4.667	2.646	.00283500
15	5.000	2.835	.00113432

M= 7 , N= 4

0	0.0	0.0	.53181738
1	0.250	0.164	.46818328
2	0.500	0.327	.40580451
3	0.750	0.491	.34551328
4	1.000	0.655	.28867745
5	1.250	0.818	.23640376
6	1.500	0.982	.18950200
7	1.750	1.146	.14844918
8	2.000	1.309	.11335325
9	2.250	1.473	.08434689
10	2.500	1.637	.06100277
11	2.750	1.800	.04276064
12	3.000	1.964	.02895468
13	3.250	2.128	.01886051
14	3.500	2.291	.01174928
15	3.750	2.455	.00694162
16	4.000	2.619	.00386163
17	4.250	2.782	.00200316

M= 7 , N= 5

0	0.0	0.0	.52844685
1	0.200	0.146	.47155398
2	0.400	0.293	.41513145
3	0.600	0.439	.36034260
4	0.800	0.586	.30815852
5	1.000	0.732	.25942177
6	1.200	0.878	.21480477
7	1.400	1.025	.17478561
8	1.600	1.171	.13964671
9	1.800	1.317	.10940760
10	2.000	1.464	.08396226
11	2.200	1.610	.06303585
12	2.400	1.757	.04622993
13	2.600	1.903	.03306509
14	2.800	2.049	.02302074
15	3.000	2.196	.01556876
16	3.200	2.342	.01019752
17	3.400	2.489	.00644716
18	3.600	2.635	.00391853
19	3.800	2.781	.00227848
20	4.000	2.928	.00126013

M= 7 , N= 6

0	0.0	0.0	.52611190
1	0.167	0.134	.47388911
2	0.333	0.267	.42210585
3	0.500	0.401	.37158227
4	0.667	0.535	.32309729
5	0.833	0.668	.27733684
6	1.000	0.802	.23486704
7	1.167	0.935	.19611484
8	1.333	1.069	.16135627
9	1.500	1.203	.13072944
10	1.667	1.336	.10422063
11	1.833	1.470	.08169353
12	2.000	1.604	.06290841
13	2.167	1.737	.04754601
14	2.333	1.871	.03523336

15	2.500	2.004	.02556966
16	2.667	2.138	.01815042
17	2.833	2.272	.01258387
18	3.000	2.405	.00850728
19	3.167	2.539	.00559741
20	3.333	2.673	.00357634
21	3.500	2.806	.00221315
22	3.667	2.940	.00132243

M= 7 , N= 7

0	0.0	0.0	.52424419
1	0.143	0.124	.47575700
2	0.286	0.247	.42761242
3	0.429	0.371	.38048768
4	0.571	0.495	.33501649
5	0.714	0.619	.29176748
6	0.857	0.742	.25122368
7	1.000	0.866	.21376765
8	1.143	0.990	.17967248
9	1.286	1.113	.14909697
10	1.429	1.237	.12209219
11	1.571	1.361	.09860778
12	1.714	1.485	.07850480
13	1.857	1.608	.06157233
14	2.000	1.732	.04754465
15	2.143	1.856	.03611980
16	2.286	1.979	.02697658
17	2.429	2.103	.01979097
18	2.571	2.227	.01424923
19	2.714	2.351	.01005826
20	2.857	2.474	.00695306
21	3.000	2.598	.00470120
22	3.143	2.722	.00310466
23	3.286	2.846	.00199941
24	3.429	2.969	.00125342

M= 7 , N= 8

0	0.0	0.0	.52273083
1	0.125	0.116	.47727054
2	0.250	0.231	.43209577
3	0.375	0.347	.38776654
4	0.500	0.463	.34481293
5	0.625	0.579	.30371654
6	0.750	0.694	.26489502
7	0.875	0.810	.22869027
8	1.000	0.926	.19535989
9	1.125	1.042	.16507465
10	1.250	1.157	.13791794
11	1.375	1.273	.11389107
12	1.500	1.389	.09292084
13	1.625	1.504	.07487023
14	1.750	1.620	.05955053
15	1.875	1.736	.04673462
16	2.000	1.852	.03617029
17	2.125	1.967	.02759262
18	2.250	2.083	.02073535
19	2.375	2.199	.01534039
20	2.500	2.315	.01116540
21	2.625	2.430	.00798922
22	2.750	2.546	.00561534
23	2.875	2.662	.00387353
24	3.000	2.777	.00261985
25	3.125	2.893	.00173550
26	3.250	3.009	.00112472

M= 7 , N= 9

0	0.0	0.0	.52146852
1	0.111	0.109	.47853303
2	0.222	0.218	.43583870
3	0.333	0.327	.39386040
4	0.444	0.436	.35304964
5	0.556	0.546	.31382120
6	0.667	0.655	.27654028
7	0.778	0.764	.24151337
8	0.889	0.873	.20898122
9	1.000	0.982	.17911506
10	1.111	1.091	.15201592
11	1.222	1.200	.12771714
12	1.333	1.309	.10618907
13	1.444	1.418	.08734614
14	1.556	1.528	.07105577
15	1.667	1.637	.05714753
16	1.778	1.746	.04542370
17	1.889	1.855	.03566894
18	2.000	1.964	.02765965
19	2.111	2.073	.02117225
20	2.222	2.182	.01599022
21	2.333	2.291	.01190961
22	2.444	2.400	.00874319
23	2.556	2.510	.00632307
24	2.667	2.619	.00450203
25	2.778	2.728	.00315376
26	2.889	2.837	.00217212
27	3.000	2.946	.00146976

M= 7 , N=10

0	0.0	0.0	.52039552
1	0.100	0.104	.47960621
2	0.200	0.207	.43902445
3	0.300	0.311	.39905906
4	0.400	0.414	.36010087
5	0.500	0.518	.32251155
6	0.600	0.621	.28661406
7	0.700	0.725	.25268441
8	0.800	0.828	.22094607
9	0.900	0.932	.19156617
10	1.000	1.035	.16468443
11	1.100	1.139	.14026403
12	1.200	1.242	.11839461
13	1.300	1.346	.09899706
14	1.400	1.449	.08197975
15	1.500	1.553	.06721568
16	1.600	1.656	.05455017
17	1.700	1.760	.04380862
18	1.800	1.863	.03480426
19	1.900	1.967	.02734510
20	2.000	2.070	.02124020
21	2.100	2.174	.01630495
22	2.200	2.277	.01236527
23	2.300	2.381	.00926066
24	2.400	2.484	.00684629
25	2.500	2.588	.00499405
26	2.600	2.691	.00359279
27	2.700	2.795	.00254786
28	2.800	2.898	.00178015
29	2.900	3.002	.00122472

Table A2: Critical values for G_A^*

M=3

n \ α	.10	.05	.025	.01	.005	.001
2	2.000	2.000	-	-	-	-
3	1.633	2.041	2.449	2.449	2.449	-
4	1.768	2.121	2.475	2.475	2.828	2.828
5	1.581	1.897	2.214	2.530	2.846	3.162
6	1.443	2.021	2.309	2.598	2.887	3.175
7	1.604	1.871	2.138	2.405	2.673	3.707
8	1.500	2.000	2.250	2.500	2.750	3.250
9	1.414	1.886	2.121	2.593	2.828	3.064
10	1.565	1.789	2.236	2.460	2.683	3.130
11	1.492	1.919	2.132	2.558	2.772	3.198
12	1.429	1.837	2.245	2.449	2.654	3.266
13	1.569	1.765	2.157	2.550	2.746	3.138
14	1.512	1.890	2.079	2.457	2.646	3.213
15	1.461	1.826	2.191	2.556	2.739	3.104
16	1.414	1.768	2.121	2.475	2.652	3.182
17	1.543	1.886	2.058	2.401	2.744	3.258
18	1.500	1.833	2.167	2.500	2.667	3.167
19	1.460	1.784	2.109	2.433	2.758	3.244
20	1.423	1.739	2.055	2.530	2.688	3.162
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=4

2	1.936	1.936	2.324	2.324	-	-
3	1.581	1.897	2.214	2.530	2.530	2.846
4	1.643	1.917	2.191	2.465	2.739	3.012
5	1.470	1.960	2.205	2.449	2.694	3.184
6	1.565	1.789	2.236	2.460	2.683	3.130
7	1.449	1.863	2.070	2.484	2.691	3.105
8	1.549	1.743	2.130	2.517	2.711	3.098
9	1.461	1.826	2.191	2.556	2.739	3.104
10	1.386	1.905	2.078	2.425	2.771	3.118
11	1.486	1.817	2.147	2.477	2.642	3.138
12	1.423	1.739	2.055	2.530	2.688	3.162
13	1.367	1.823	2.177	2.431	2.734	3.190
14	1.464	1.757	2.049	2.489	2.635	3.220
15	1.414	1.838	2.121	2.404	2.687	3.111
16	1.369	1.780	2.054	2.465	2.739	3.149
17	1.461	1.727	2.125	2.391	2.657	3.188
18	1.420	1.807	2.066	2.453	2.711	3.098
19	1.382	1.759	2.136	2.387	2.639	3.141
20	1.347	1.715	2.082	2.449	2.694	3.184
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=5

n \ α	.10	.05	.025	.01	.005	.001
2	1.581	1.897	2.214	2.530	2.530	-
3	1.549	1.807	2.066	2.582	2.582	2.840
4	1.565	1.789	2.236	2.460	2.683	3.130
5	1.400	1.800	2.200	1.400	2.600	3.000
6	1.461	1.826	2.191	2.373	2.739	3.104
7	1.521	1.859	2.197	2.535	2.704	3.043
8	1.423	1.739	2.055	2.372	2.688	3.162
9	1.491	1.789	2.087	2.385	2.683	3.130
10	1.414	1.838	2.121	2.404	2.687	3.111
11	1.483	1.753	2.023	2.427	2.697	3.101
12	1.420	1.807	2.066	2.453	2.711	3.098
13	1.364	1.736	2.109	2.481	2.605	3.101
14	1.434	1.793	2.032	2.390	2.630	3.108
15	1.386	1.732	2.078	2.425	2.656	3.118
16	1.453	1.789	2.012	2.460	2.683	3.130
17	1.410	1.735	2.061	2.386	2.603	3.145
18	1.370	1.792	2.108	2.424	2.635	3.162
19	1.436	1.744	2.052	2.462	2.668	3.181
20	1.400	1.700	2.100	2.400	2.700	3.100
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=6

2	1.604	1.871	2.138	2.405	2.673	-
3	1.528	1.964	2.182	2.400	2.619	3.055
4	1.512	1.890	2.079	2.457	2.646	3.024
5	1.521	1.859	2.028	2.366	2.704	3.043
6	1.389	1.852	2.160	2.469	2.623	3.086
7	1.429	1.857	2.143	2.429	2.714	3.143
8	1.470	1.737	2.138	2.405	2.673	3.074
9	1.386	1.764	2.016	2.394	2.646	3.150
10	1.434	1.793	2.032	2.390	2.630	3.108
11	1.368	1.709	2.051	2.393	2.621	3.077
12	1.418	1.746	2.073	2.400	2.619	3.164
13	1.363	1.782	2.097	2.411	2.621	3.145
14	1.414	1.717	2.020	2.424	2.626	3.131
15	1.366	1.757	2.049	2.440	2.635	3.123
16	1.417	1.701	2.079	2.362	2.646	3.118
17	1.375	1.742	2.017	2.383	2.658	3.117
18	1.336	1.693	2.049	2.405	2.673	3.118
19	1.387	1.734	2.081	2.428	2.601	3.122
20	1.352	1.690	2.028	2.366	2.620	3.127
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=7

n \ α	.10	.05	.025	.01	.005	.001
2	1.620	1.852	2.083	2.315	2.546	2.777
3	1.512	1.890	2.079	2.457	2.646	3.024
4	1.473	1.800	2.128	2.455	2.619	2.946
5	1.464	1.757	2.049	2.489	2.635	3.074
6	1.470	1.737	2.138	2.405	2.673	3.074
7	1.361	1.732	2.103	2.474	2.598	3.093
8	1.389	1.736	2.083	2.430	2.662	3.125
9	1.418	1.746	2.073	2.400	2.619	3.055
10	1.346	1.760	2.070	2.381	2.588	3.105
11	1.382	1.776	2.073	2.369	2.665	3.158
12	1.417	1.701	2.079	2.362	2.646	3.118
13	1.362	1.725	2.088	2.360	2.633	3.087
14	1.400	1.750	2.012	2.362	2.624	3.149
15	1.352	1.690	2.028	2.366	2.620	3.127
16	1.391	1.718	2.046	2.373	2.619	3.110
17	1.350	1.747	2.064	2.382	2.620	3.096
18	1.389	1.697	2.006	2.392	2.623	3.086
19	1.352	1.727	2.028	2.403	2.628	3.154
20	1.391	1.683	2.049	2.415	2.635	3.147
∞	1.282	1.645	1.960	2.326	2.576	3.090

Table A3: Maximum error in the normal approximation to G_A^*

n \ m	3	4	5	6	7
11	.25	.19	.15	.13	.11
12	.24	.18	.15	.12	.11
13	.23	.18	.14	.12	.10
14	.22	.17	.14	.11	.098
15	.21	.16	.13	.11	.094
16	.21	.16	.13	.11	.091
17	.20	.15	.12	.10	.088
18	.20	.15	.12	.10	.086
19	.19	.14	.12	.097	.083
20	.19	.14	.11	.095	.081

Table A4

M= 3 , N= 2

0	0.0	0.0	.55555564
1	0.333	0.316	.44444454
2	0.667	0.632	.33333343
3	1.000	0.949	.30555570
4	1.333	1.265	.13888907
5	1.667	1.581	.08333349
6	2.000	1.897	.02777800

M= 3 , N= 3

0	0.0	0.0	.56018531
1	0.167	0.189	.43981498
2	0.333	0.378	.40277797
3	0.500	0.567	.33796316
4	0.667	0.756	.26388913
5	0.833	0.945	.22222245
6	1.000	1.134	.19444472
7	1.167	1.323	.12037063
8	1.333	1.512	.08333361
9	1.500	1.701	.06018551
10	1.667	1.890	.02314849
11	1.833	2.079	.01388923
12	2.000	2.268	.00462998

M= 3 , N= 4

0	0.0	0.0	.51774710
1	0.100	0.129	.48225331
2	0.200	0.258	.43595701
3	0.300	0.387	.37577188
4	0.400	0.516	.34490770
5	0.500	0.645	.28935218
6	0.600	0.775	.25231516
7	0.700	0.904	.21682131
8	0.800	1.033	.18287075
9	0.900	1.162	.14737689
10	1.000	1.291	.13194484
11	1.100	1.420	.09645098
12	1.200	1.549	.07175964
13	1.300	1.678	.05709920
14	1.400	1.807	.04012391
15	1.500	1.936	.02469182
16	1.600	2.066	.01543256
17	1.700	2.195	.01003133
18	1.800	2.324	.00385850
19	1.900	2.453	.00231529

M= 3 , N= 5

0	0.0	0.0	.51826155
1	0.067	0.095	.48173898
2	0.133	0.191	.44470197
3	0.200	0.286	.41473800
4	0.267	0.381	.37435734
5	0.333	0.477	.34529358
6	0.400	0.572	.31391495
7	0.467	0.667	.28009301
8	0.533	0.763	.24897158
9	0.600	0.858	.22273707
10	0.667	0.953	.19110125
11	0.733	1.049	.16962492
12	0.800	1.144	.14827722
13	0.867	1.240	.12487191
14	0.933	1.335	.10738218
15	1.000	1.430	.09246451
16	1.067	1.526	.07420319
17	1.133	1.621	.06005714
18	1.200	1.716	.04951188
19	1.267	1.812	.03793781
20	1.333	1.907	.03022176
21	1.400	2.002	.02121971
22	1.467	2.098	.01530408
23	1.533	2.193	.01080306
24	1.600	2.288	.00745944
25	1.667	2.384	.00457302
26	1.733	2.479	.00257261
27	1.800	2.574	.00167241

M= 3 , N= 6

0	0.0	0.0	.51517522
1	0.048	0.074	.48482543
2	0.095	0.148	.45751923
3	0.143	0.222	.43302077
4	0.190	0.296	.40069914
5	0.238	0.371	.37682223
6	0.286	0.445	.35041624
7	0.333	0.519	.32287425
8	0.381	0.593	.29818290
9	0.429	0.667	.27687806
10	0.476	0.741	.24961472
11	0.524	0.815	.22946727
12	0.571	0.889	.20876253
13	0.619	0.964	.18702900
14	0.667	1.038	.16761029
15	0.714	1.112	.15072072
16	0.762	1.186	.13130200
17	0.810	1.260	.11775607
18	0.857	1.334	.10425299

19	0.905	1.408	.08976400
20	0.952	1.482	.07814705
21	1.000	1.557	.06850201
22	1.048	1.631	.05679936
23	1.095	1.705	.04841888
24	1.143	1.779	.04126011
25	1.190	1.853	.03545833
26	1.238	1.927	.02797137
27	1.286	2.001	.02248440
28	1.333	2.075	.01746898
29	1.381	2.150	.01361096
30	1.429	2.224	.01073887
31	1.476	2.298	.00778105
32	1.524	2.372	.00589491
33	1.571	2.446	.00409450
34	1.619	2.520	.00276563
35	1.667	2.594	.00192973
36	1.714	2.668	.00128672

29	1.036	1.733	.04448239
30	1.071	1.793	.03826668
31	1.107	1.853	.03352275
32	1.143	1.912	.02862163
33	1.179	1.972	.02432065
34	1.214	2.032	.02054122
35	1.250	2.092	.01724761
36	1.286	2.151	.01400402
37	1.321	2.211	.01164991
38	1.357	2.271	.00947084
39	1.393	2.331	.00754184
40	1.429	2.390	.00602720
41	1.464	2.450	.00466975
42	1.500	2.510	.00355521
43	1.536	2.570	.00269788
44	1.571	2.630	.00203344
45	1.607	2.689	.00144045
46	1.643	2.749	.00107608

M= 3 , N= 7

0	0.0	0.0	.51104575
1	0.036	0.060	.48895502
2	0.071	0.120	.46619982
3	0.107	0.179	.44243014
4	0.143	0.239	.42205405
5	0.179	0.299	.39860588
6	0.214	0.359	.37671518
7	0.250	0.418	.35598189
8	0.286	0.478	.33416975
9	0.321	0.538	.31260771
10	0.357	0.598	.29433209
11	0.393	0.657	.27377743
12	0.429	0.717	.25468737
13	0.464	0.777	.23701549
14	0.500	0.837	.21923286
15	0.536	0.896	.20140022
16	0.571	0.956	.18647540
17	0.607	1.016	.17042530
18	0.643	1.076	.15540761
19	0.679	1.135	.14239752
20	0.714	1.195	.12870151
21	0.750	1.255	.11582720
22	0.786	1.315	.10468894
23	0.821	1.375	.09361500
24	0.857	1.434	.08351982
25	0.893	1.494	.07500714
26	0.929	1.554	.06609797
27	0.964	1.614	.05815336
28	1.000	1.673	.05141611

M= 3 , N= 8

0	0.0	0.0	.50986284
1	0.028	0.050	.49013805
2	0.056	0.099	.47178507
3	0.083	0.149	.45288199
4	0.111	0.198	.43397528
5	0.139	0.248	.41517758
6	0.167	0.297	.39741993
7	0.194	0.347	.37828106
8	0.222	0.396	.36099261
9	0.250	0.446	.34326655
10	0.278	0.495	.32555538
11	0.306	0.545	.30851579
12	0.333	0.594	.29238713
13	0.361	0.644	.27521592
14	0.389	0.693	.25977433
15	0.417	0.743	.24441963
16	0.444	0.792	.22917449
17	0.472	0.842	.21475101
18	0.500	0.891	.20126694
19	0.528	0.941	.18725663
20	0.556	0.990	.17471093
21	0.583	1.040	.16220868
22	0.611	1.089	.15019763
23	0.639	1.139	.13889503
24	0.667	1.188	.12859860
25	0.694	1.238	.11779499
26	0.722	1.287	.10829759
27	0.750	1.337	.09929436
28	0.778	1.386	.09055540

29	0.806	1.436	.08223510
30	0.833	1.485	.07477152
31	0.861	1.535	.06740552
32	0.889	1.584	.06100888
33	0.917	1.634	.05501823
34	0.944	1.683	.04915499
35	0.972	1.733	.04403716
36	1.000	1.782	.03927894
37	1.028	1.832	.03462014
38	1.056	1.881	.03056564
39	1.083	1.931	.02701841
40	1.111	1.980	.02362240
41	1.139	2.030	.02071816
42	1.167	2.079	.01793539
43	1.194	2.129	.01548245
44	1.222	2.178	.01326171
45	1.250	2.228	.01131305
46	1.278	2.277	.00954122
47	1.306	2.327	.00810517
48	1.333	2.376	.00678106
49	1.361	2.426	.00561056
50	1.389	2.475	.00460914
51	1.417	2.525	.00377443
52	1.444	2.574	.00301235
53	1.472	2.624	.00242234
54	1.500	2.673	.00193770
55	1.528	2.723	.00149713
56	1.556	2.772	.00116610

M= 3 , N= 9

0	0.0	0.0	.50823927
1	0.022	0.042	.49176174
2	0.044	0.084	.47583491
3	0.067	0.126	.46020824
4	0.089	0.168	.44356215
5	0.111	0.209	.42805290
6	0.133	0.251	.41234577
7	0.156	0.293	.39633268
8	0.178	0.335	.38095278
9	0.200	0.377	.36600000
10	0.222	0.419	.35031325
11	0.244	0.461	.33570600
12	0.267	0.503	.32111216
13	0.289	0.545	.30638880
14	0.311	0.586	.29232967
15	0.333	0.628	.27878022
16	0.356	0.670	.26473773
17	0.378	0.712	.25180566
18	0.400	0.754	.23904401
19	0.422	0.796	.22609669
20	0.444	0.838	.21397549
21	0.467	0.880	.20236969
22	0.489	0.921	.19047356
23	0.511	0.963	.17957711
24	0.533	1.005	.16903859
25	0.556	1.047	.15840381
26	0.578	1.089	.14863855
27	0.600	1.131	.13927865
28	0.622	1.173	.12980843
29	0.644	1.215	.12119579
30	0.667	1.257	.11293715
31	0.689	1.298	.10474449
32	0.711	1.340	.09726840
33	0.733	1.382	.09014374
34	0.756	1.424	.08312374
35	0.778	1.466	.07671541
36	0.800	1.508	.07073665
37	0.822	1.550	.06475794
38	0.844	1.592	.05942639
39	0.867	1.634	.05436720
40	0.889	1.675	.04948256
41	0.911	1.717	.04510379
42	0.933	1.759	.04105803
43	0.956	1.801	.03706446
44	0.978	1.843	.03356723
45	1.000	1.885	.03030876
46	1.022	1.927	.02711219
47	1.044	1.969	.02429251
48	1.067	2.010	.02177050
49	1.089	2.052	.01933364
50	1.111	2.094	.01724011
51	1.133	2.136	.01527091
52	1.156	2.178	.01343954
53	1.178	2.220	.01182271
54	1.200	2.262	.01035928
55	1.222	2.304	.00897821
56	1.244	2.346	.00781485
57	1.267	2.387	.00677592
58	1.289	2.429	.00581459
59	1.311	2.471	.00499397
60	1.333	2.513	.00425055
61	1.356	2.555	.00358611
62	1.378	2.597	.00301892
63	1.400	2.639	.00253220
64	1.422	2.681	.00209984
65	1.444	2.723	.00174016
66	1.467	2.764	.00142699
67	1.489	2.806	.00115729

M= 3 , N=10

0	0.0	0.0	.50680399
1	0.018	0.036	.49319714
2	0.036	0.072	.47910076
3	0.055	0.108	.46523476
4	0.073	0.144	.45153838
5	0.091	0.180	.43775642
6	0.109	0.216	.42387193
7	0.127	0.252	.41057324
8	0.145	0.288	.39684910
9	0.164	0.324	.38343513
10	0.182	0.360	.37027705
11	0.200	0.396	.35711592
12	0.218	0.432	.34398115
13	0.236	0.468	.33146054
14	0.255	0.505	.31866568
15	0.273	0.541	.30621409
16	0.291	0.577	.29410899
17	0.309	0.613	.28206998
18	0.327	0.649	.27012366
19	0.345	0.685	.25882089
20	0.364	0.721	.24737054
21	0.382	0.757	.23629451
22	0.400	0.793	.22560912
23	0.418	0.829	.21505636
24	0.436	0.865	.20467275
25	0.455	0.901	.19489223
26	0.473	0.937	.18506789
27	0.491	0.973	.17562550
28	0.509	1.009	.16661078
29	0.527	1.045	.15771031
30	0.545	1.081	.14907831
31	0.564	1.117	.14098740
32	0.582	1.153	.13293588
33	0.600	1.189	.12524921
34	0.618	1.225	.11798352
35	0.636	1.261	.11086404
36	0.655	1.297	.10400909
37	0.673	1.333	.09762073
38	0.691	1.369	.09133619
39	0.709	1.405	.08535832
40	0.727	1.441	.07976353
41	0.745	1.478	.07433122
42	0.764	1.514	.06915146
43	0.782	1.550	.06434047
44	0.800	1.586	.05968253
45	0.818	1.622	.05525533
46	0.836	1.658	.05119488
47	0.855	1.694	.04725074
48	0.873	1.730	.04353726
49	0.891	1.766	.04011161
50	0.909	1.802	.03683203
51	0.927	1.838	.03376523
52	0.945	1.874	.03096466
53	0.964	1.910	.02826924
54	0.982	1.946	.02577535
55	1.000	1.982	.02349582
56	1.018	2.018	.02132237
57	1.036	2.054	.01929082
58	1.055	2.090	.01748284
59	1.073	2.126	.01576358
60	1.091	2.162	.01419537
61	1.109	2.198	.01276680
62	1.127	2.234	.01144706
63	1.145	2.270	.01021267
64	1.164	2.306	.00912010
65	1.182	2.342	.00809870
66	1.200	2.378	.00716376
67	1.218	2.415	.00633680
68	1.236	2.451	.00558836
69	1.255	2.487	.00490215
70	1.273	2.523	.00430136
71	1.291	2.559	.00374809
72	1.309	2.595	.00325142
73	1.327	2.631	.00281822
74	1.345	2.667	.00242580
75	1.364	2.703	.00207822
76	1.382	2.739	.00177946
77	1.400	2.775	.00151617
78	1.418	2.811	.00128073
79	1.436	2.847	.00108337

M= 4 , N= 2

0	0.0	0.0	.54166675
1	0.333	0.245	.45833343
2	0.667	0.490	.36111122
3	1.000	0.735	.33333343
4	1.333	0.980	.22222239
5	1.667	1.225	.16666681
6	2.000	1.470	.08333349
7	2.333	1.715	.05555577
8	2.667	1.960	.02083356
9	3.000	2.205	.00694468

M= 4 , N= 3

0	0.0	0.0	.53298622
1	0.167	0.146	.46701407
2	0.333	0.293	.42534739
3	0.500	0.439	.36574095
4	0.667	0.586	.31597245
5	0.833	0.732	.27141225
6	1.000	0.878	.24016225
7	1.167	1.025	.18750024
8	1.333	1.171	.15509284
9	1.500	1.317	.12152803
10	1.667	1.464	.08912063
11	1.833	1.610	.06307900
12	2.000	1.757	.04340311
13	2.167	1.903	.02777812
14	2.333	2.049	.01736145
15	2.500	2.196	.00810220
16	2.667	2.342	.00462998
17	2.833	2.489	.00173647

M= 4 , N= 4

0	0.0	0.0	.51803648
1	0.100	0.100	.48196393
2	0.200	0.200	.44839913
3	0.300	0.300	.40427303
4	0.400	0.400	.37427688
5	0.500	0.500	.33632356
6	0.600	0.600	.30497712
7	0.700	0.700	.26765078
8	0.800	0.800	.24016237
9	0.900	0.900	.20992512
10	1.000	1.000	.18822372
11	1.100	1.100	.15774536
12	1.200	1.200	.13700849
13	1.300	1.300	.11496949
14	1.400	1.400	.09789777
15	1.500	1.500	.07749850
16	1.600	1.600	.06503090
17	1.700	1.700	.04981719
18	1.800	1.800	.03920763
19	1.900	1.900	.02816404
20	2.000	2.000	.02131605
21	2.100	2.100	.01519144
22	2.200	2.200	.01046536
23	2.300	2.300	.00660734
24	2.400	2.400	.00438897
25	2.500	2.500	.00260464
26	2.600	2.600	.00154369

M= 4 , N= 5

0	0.0	0.0	.51412225
1	0.067	0.074	.48587829
2	0.133	0.148	.45718426
3	0.200	0.222	.43179363
4	0.267	0.295	.40301925
5	0.333	0.369	.37728298
6	0.400	0.443	.34995937
7	0.467	0.517	.32565379
8	0.533	0.591	.29950368
9	0.600	0.665	.27606618
10	0.667	0.739	.25148332
11	0.733	0.812	.23029637
12	0.800	0.886	.20804441
13	0.867	0.960	.18799877
14	0.933	1.034	.16861218
15	1.000	1.108	.15204680
16	1.067	1.182	.13448477
17	1.133	1.256	.11895627
18	1.200	1.329	.10417521
19	1.267	1.403	.09177327
20	1.333	1.477	.07943159
21	1.400	1.551	.06784952
22	1.467	1.625	.05776241
23	1.533	1.699	.04907383
24	1.600	1.773	.04088759
25	1.667	1.846	.03394315
26	1.733	1.920	.02744881
27	1.800	1.994	.02253693
28	1.867	2.068	.01776759
29	1.933	2.142	.01394975
30	2.000	2.216	.01066240
31	2.067	2.290	.00817076

32	2.133	2.363	.00606492
33	2.200	2.437	.00446545
34	2.267	2.511	.00311514
35	2.333	2.585	.00222298
36	2.400	2.659	.00152371

M= 4 , N= 6

0	0.0	0.0	.51045114
1	0.048	0.057	.48954952
2	0.095	0.115	.46698111
3	0.143	0.172	.44613636
4	0.190	0.230	.42346883
5	0.238	0.287	.40322560
6	0.286	0.345	.38136947
7	0.333	0.402	.36093003
8	0.381	0.459	.33990347
9	0.429	0.517	.32100320
10	0.476	0.574	.30051279
11	0.524	0.632	.28224546
12	0.571	0.689	.26311946
13	0.619	0.746	.24584472
14	0.667	0.804	.22790462
15	0.714	0.861	.21178800
16	0.762	0.919	.19505280
17	0.810	0.976	.18046802
18	0.857	1.034	.16530722
19	0.905	1.091	.15169495
20	0.952	1.148	.13809341
21	1.000	1.206	.12636662
22	1.048	1.263	.11409998
23	1.095	1.321	.10343081
24	1.143	1.378	.09280550
25	1.190	1.435	.08362395
26	1.238	1.493	.07453853
27	1.286	1.550	.06649095
28	1.333	1.608	.05862824
29	1.381	1.665	.05186331
30	1.429	1.723	.04531204
31	1.476	1.780	.03969982
32	1.524	1.837	.03430796
33	1.571	1.895	.02966160
34	1.619	1.952	.02553271
35	1.667	2.010	.02161200
36	1.714	2.067	.01817594
37	1.762	2.124	.01535610
38	1.810	2.182	.01271376
39	1.857	2.239	.01049473
40	1.905	2.297	.00855400
41	1.952	2.354	.00697060
42	2.000	2.412	.00556571
43	2.048	2.469	.00443710
44	2.095	2.526	.00345250
45	2.143	2.584	.00270367
46	2.190	2.641	.00205668
47	2.238	2.699	.00156569
48	2.286	2.756	.00115712

M= 4 , N= 7

0	0.0	0.0	.50896537
1	0.036	0.046	.49103540
2	0.071	0.093	.47355491
3	0.107	0.139	.45563948
4	0.143	0.185	.43859788
5	0.179	0.231	.42061573
6	0.214	0.278	.40351784
7	0.250	0.324	.38623637
8	0.286	0.370	.36952615
9	0.321	0.417	.35247457
10	0.357	0.463	.33629638
11	0.393	0.509	.31989199
12	0.429	0.555	.30422646
13	0.464	0.602	.28847843
14	0.500	0.648	.27347988
15	0.536	0.694	.25850695
16	0.571	0.741	.24432302
17	0.607	0.787	.23009312
18	0.643	0.833	.21668243
19	0.679	0.880	.20343065
20	0.714	0.926	.19086669
21	0.750	0.972	.17839170
22	0.786	1.018	.16675836
23	0.821	1.065	.15555396
24	0.857	1.111	.14464980
25	0.893	1.157	.13415438
26	0.929	1.204	.12435073
27	0.964	1.250	.11486971
28	1.000	1.296	.10605508
29	1.036	1.342	.09748286
30	1.071	1.389	.08956790
31	1.107	1.435	.08197606
32	1.143	1.481	.07496148
33	1.179	1.528	.06825471
34	1.214	1.574	.06206834
35	1.250	1.620	.05624854
36	1.286	1.666	.05084563
37	1.321	1.713	.04575887
38	1.357	1.759	.04115816
39	1.393	1.805	.03683921

40	1.429	1.852	.03289440
41	1.464	1.898	.02922701
42	1.500	1.944	.02592755
43	1.536	1.991	.02285492
44	1.571	2.037	.02012338
45	1.607	2.083	.01760539
46	1.643	2.129	.01536326
47	1.679	2.176	.01332864
48	1.714	2.222	.01152818
49	1.750	2.268	.00989296
50	1.786	2.315	.00846931
51	1.821	2.361	.00720364
52	1.857	2.407	.00610635
53	1.893	2.453	.00512393
54	1.929	2.500	.00429003
55	1.964	2.546	.00356283
56	2.000	2.592	.00294260
57	2.036	2.639	.00240755
58	2.071	2.685	.00196526
59	2.107	2.731	.00158501
60	2.143	2.777	.00126965
61	2.179	2.824	.00100851

M= 4 , N= 8

0	0.0	0.0	.50750965
1	0.028	0.038	.49249125
2	0.056	0.077	.47796106
3	0.083	0.115	.46309507
4	0.111	0.153	.44860649
5	0.139	0.192	.43376613
6	0.167	0.230	.41944975
7	0.194	0.268	.40485585
8	0.222	0.307	.39075726
9	0.250	0.345	.37638140
10	0.278	0.383	.36254209
11	0.306	0.422	.34855717
12	0.333	0.460	.33508694
13	0.361	0.499	.32139397
14	0.389	0.537	.30832958
15	0.417	0.575	.29517996
16	0.444	0.614	.28256691
17	0.472	0.652	.26984745
18	0.500	0.690	.25774008
19	0.528	0.729	.24561667
20	0.556	0.767	.23407012
21	0.583	0.805	.22248685
22	0.611	0.844	.21151841
23	0.639	0.882	.20061463
24	0.667	0.920	.19026577
25	0.694	0.959	.17994797
26	0.722	0.997	.17022711
27	0.750	1.035	.16061461
28	0.778	1.074	.15152854
29	0.806	1.112	.14253002
30	0.833	1.150	.13410372
31	0.861	1.189	.12583756
32	0.889	1.227	.11806709
33	0.917	1.265	.11041659
34	0.944	1.304	.10328341
35	0.972	1.342	.09632671
36	1.000	1.381	.08983159
37	1.028	1.419	.08348203
38	1.056	1.457	.07759726
39	1.083	1.496	.07190633
40	1.111	1.534	.06662154
41	1.139	1.572	.06150230
42	1.167	1.611	.05676725
43	1.194	1.649	.05224215
44	1.222	1.687	.04804403
45	1.250	1.726	.04401135
46	1.278	1.764	.04032612
47	1.306	1.802	.03681759
48	1.333	1.841	.03359058
49	1.361	1.879	.03052739
50	1.389	1.917	.02772855
51	1.417	1.956	.02509302
52	1.444	1.994	.02268704
53	1.472	2.032	.02042276
54	1.500	2.071	.01837745
55	1.528	2.109	.01646825
56	1.556	2.148	.01473840
57	1.583	2.186	.01312863
58	1.611	2.224	.01168386
59	1.639	2.263	.01035168
60	1.667	2.301	.00915785
61	1.694	2.339	.00805753
62	1.722	2.378	.00708390
63	1.750	2.416	.00619698
64	1.778	2.454	.00540880
65	1.806	2.493	.00469353
66	1.833	2.531	.00406856
67	1.861	2.569	.00350494
68	1.889	2.608	.00301449
69	1.917	2.646	.00257489
70	1.944	2.684	.00219557
71	1.972	2.723	.00186047
72	2.000	2.761	.00157203
73	2.028	2.799	.00131785
74	2.056	2.838	.00110348

M= 4 , N= 9

0	0.0	0.0	.50623804
1	0.022	0.032	.49376297
2	0.044	0.065	.48117948
3	0.067	0.097	.46872461
4	0.089	0.130	.45617396
5	0.111	0.162	.44380993
6	0.133	0.195	.43136400
7	0.156	0.227	.41907835
8	0.178	0.260	.40677184
9	0.200	0.292	.39467603
10	0.222	0.324	.38253027
11	0.244	0.357	.37061602
12	0.267	0.389	.35871536
13	0.289	0.422	.34704965
14	0.311	0.454	.33541006
15	0.333	0.487	.32401198
16	0.356	0.519	.31266224
17	0.378	0.552	.30159789
18	0.400	0.584	.29059511
19	0.422	0.616	.27984208
20	0.444	0.649	.26920336
21	0.467	0.681	.25885928
22	0.489	0.714	.24860251
23	0.511	0.746	.23864090
24	0.533	0.779	.22880936
25	0.556	0.811	.21927840
26	0.578	0.844	.20988238
27	0.600	0.876	.20078236
28	0.622	0.908	.19183278
29	0.644	0.941	.18320435
30	0.667	0.973	.17472994
31	0.689	1.006	.16654617
32	0.711	1.038	.15854883
33	0.733	1.071	.15085447
34	0.756	1.103	.14333272
35	0.778	1.136	.13609970
36	0.800	1.168	.12905771
37	0.822	1.200	.12230712
38	0.844	1.233	.11574262
39	0.867	1.265	.10945588
40	0.889	1.298	.10336661
41	0.911	1.330	.09755540
42	0.933	1.363	.09192765
43	0.956	1.395	.08655715
44	0.978	1.428	.08138162
45	1.000	1.460	.07646364
46	1.022	1.492	.07172173
47	1.044	1.525	.06721908
48	1.067	1.557	.06290454
49	1.089	1.590	.05882340
50	1.111	1.622	.05491373
51	1.133	1.655	.05121137
52	1.156	1.687	.04768513
53	1.178	1.720	.04436022
54	1.200	1.752	.04119311
55	1.222	1.784	.03821249
56	1.244	1.817	.03539639
57	1.267	1.849	.03273861
58	1.289	1.882	.03023358
59	1.311	1.914	.02788589
60	1.333	1.947	.02567004
61	1.356	1.979	.02360791
62	1.378	2.012	.02166448
63	1.400	2.044	.01985578
64	1.422	2.076	.01816208
65	1.444	2.109	.01659295
66	1.467	2.141	.01512542
67	1.489	2.174	.01376880
68	1.511	2.206	.01250460
69	1.533	2.239	.01134085
70	1.556	2.271	.01026119
71	1.578	2.304	.00926874
72	1.600	2.336	.00835183
73	1.622	2.368	.00751488
74	1.644	2.401	.00674325
75	1.667	2.433	.00604005
76	1.689	2.466	.00539519
77	1.711	2.498	.00481112
78	1.733	2.531	.00427764
79	1.756	2.563	.00379508
80	1.778	2.596	.00335726
81	1.800	2.628	.00296460
82	1.822	2.660	.00260879
83	1.844	2.693	.00229050
84	1.867	2.725	.00200453
85	1.889	2.758	.00175013
86	1.911	2.790	.00152281
87	1.933	2.823	.00132151
88	1.956	2.855	.00114233

M= 4 , N=10

0	0.0	0.0	.50538510
1	0.018	0.028	.49461603
2	0.036	0.056	.48374915
3	0.055	0.084	.47299612
4	0.073	0.112	.46216458
5	0.091	0.140	.45145005
6	0.109	0.167	.44067365
7	0.127	0.195	.43004346
8	0.145	0.223	.41935718

9	0.164	0.251	.40881884
10	0.182	0.279	.39825529
11	0.200	0.307	.38785452
12	0.218	0.335	.37743175
13	0.236	0.363	.36718565
14	0.255	0.391	.35693717
15	0.273	0.419	.34687847
16	0.291	0.447	.33682907
17	0.309	0.475	.32697183
18	0.327	0.502	.31714237
19	0.345	0.530	.30752552
20	0.364	0.558	.29794079
21	0.382	0.586	.28856719
22	0.400	0.614	.27925152
23	0.418	0.642	.27015549
24	0.436	0.670	.26112133
25	0.455	0.698	.25231105
26	0.473	0.726	.24357581
27	0.491	0.754	.23507309
28	0.509	0.782	.22665644
29	0.527	0.810	.21846676
30	0.545	0.837	.21037561
31	0.564	0.865	.20252258
32	0.582	0.893	.19476974
33	0.600	0.921	.18724960
34	0.618	0.949	.17984301
35	0.636	0.977	.17267323
36	0.655	1.005	.16561669
37	0.673	1.033	.15879381
38	0.691	1.061	.15209556
39	0.709	1.089	.14562976
40	0.727	1.117	.13928920
41	0.745	1.144	.13317442
42	0.764	1.172	.12719202
43	0.782	1.200	.12143362
44	0.800	1.228	.11580622
45	0.818	1.256	.11039436
46	0.836	1.284	.10511720
47	0.855	1.312	.10005414
48	0.873	1.340	.09512311
49	0.891	1.368	.09039617
50	0.909	1.396	.08580452
51	0.927	1.424	.08141208
52	0.945	1.452	.07714921
53	0.964	1.479	.07307583
54	0.982	1.507	.06913316
55	1.000	1.535	.06537324
56	1.018	1.563	.06173783
57	1.036	1.591	.05827546
58	1.055	1.619	.05493704
59	1.073	1.647	.05176548
60	1.091	1.675	.04871253
61	1.109	1.703	.04581274
62	1.127	1.731	.04302936
63	1.145	1.759	.04039188
64	1.164	1.787	.03786342
65	1.182	1.814	.03547186
66	1.200	1.842	.03318408
67	1.218	1.870	.03102531
68	1.236	1.898	.02896601
69	1.255	1.926	.02702508
70	1.273	1.954	.02517682
71	1.291	1.982	.02343931
72	1.309	2.010	.02178816
73	1.327	2.038	.02023778
74	1.345	2.066	.01876897
75	1.364	2.094	.01739384
76	1.382	2.122	.01609304
77	1.400	2.149	.01487777
78	1.418	2.177	.01373193
79	1.436	2.205	.01266367
80	1.455	2.233	.01165823
81	1.473	2.261	.01072276
82	1.491	2.289	.00984509
83	1.509	2.317	.00903095
84	1.527	2.345	.00826890
85	1.545	2.373	.00756357
86	1.564	2.401	.00690535
87	1.582	2.429	.00629824
88	1.600	2.456	.00573315
89	1.618	2.484	.00521257
90	1.636	2.512	.00472974
91	1.655	2.540	.00428702
92	1.673	2.568	.00387714
93	1.691	2.596	.00350226
94	1.709	2.624	.00315676
95	1.727	2.652	.00284173
96	1.745	2.680	.00255226
97	1.764	2.708	.00228921
98	1.782	2.736	.00204825
99	1.800	2.764	.00183010
100	1.818	2.791	.00163122
101	1.836	2.819	.00145171
102	1.855	2.847	.00128856
103	1.873	2.875	.00114210
104	1.891	2.903	.00100950

M= 5 , N= 2

0	0.0	0.0	.53750008
1	0.333	0.200	.46250015
2	0.667	0.400	.38750017
3	1.000	0.600	.35000014
4	1.333	0.800	.27000016
5	1.667	1.000	.22250021
6	2.000	1.200	.14750022
7	2.333	1.400	.10750026
8	2.667	1.600	.06250024
9	3.000	1.800	.04000028
10	3.333	2.000	.02000029
11	3.667	2.200	.00750029
12	4.000	2.400	.00250030

M= 5 , N= 3

0	0.0	0.0	.52412516
1	0.167	0.120	.47587520
2	0.333	0.239	.43712521
3	0.500	0.359	.39100021
4	0.667	0.478	.34775025
5	0.833	0.598	.30762529
6	1.000	0.717	.27662528
7	1.167	0.837	.23500031
8	1.333	0.956	.20425034
9	1.500	1.076	.17275035
10	1.667	1.195	.14075035
11	1.833	1.315	.11525035
12	2.000	1.434	.09200037
13	2.167	1.554	.07025039
14	2.333	1.673	.05250042
15	2.500	1.793	.03875042
16	2.667	1.912	.02725043
17	2.833	2.032	.01850044
18	3.000	2.151	.01175044
19	3.167	2.271	.00737544
20	3.333	2.390	.00387545
21	3.500	2.510	.00225045
22	3.667	2.630	.00100045

M= 5 , N= 4

0	0.0	0.0	.51536274
1	0.100	0.082	.48463780
2	0.200	0.163	.45536280
3	0.300	0.245	.42291284
4	0.400	0.327	.39546281
5	0.500	0.408	.36503786
6	0.600	0.490	.33676285
7	0.700	0.572	.30755037
8	0.800	0.653	.28165037
9	0.900	0.735	.25496918
10	1.000	0.816	.23240668
11	1.100	0.898	.20700043
12	1.200	0.980	.18608797
13	1.300	1.061	.16493171
14	1.400	1.143	.14630669
15	1.500	1.225	.12707549
16	1.600	1.306	.11081302
17	1.700	1.388	.09496927
18	1.800	1.470	.08133179
19	1.900	1.551	.06816304
20	2.000	1.633	.05708805
21	2.100	1.715	.04689431
22	2.200	1.796	.03813182
23	2.300	1.878	.03056307
24	2.400	1.960	.02427558
25	2.500	2.041	.01888808
26	2.600	2.123	.01425058
27	2.700	2.205	.01081934
28	2.800	2.286	.00793184
29	2.900	2.368	.00570059
30	3.000	2.449	.00395059
31	3.100	2.531	.00273184
32	3.200	2.613	.00176934
33	3.300	2.694	.00115060

M= 5 , N= 5

0	0.0	0.0	.51160222
1	0.067	0.060	.48859849
2	0.133	0.121	.46545035
3	0.200	0.181	.44334161
4	0.267	0.241	.42040789
5	0.333	0.302	.39851356
6	0.400	0.362	.37600166
7	0.467	0.422	.35475826
8	0.533	0.482	.33357325
9	0.600	0.543	.31292737
10	0.667	0.603	.29235047
11	0.733	0.663	.27268267
12	0.800	0.724	.25340396
13	0.867	0.784	.23509490
14	0.933	0.844	.21727806
15	1.000	0.905	.20060152
16	1.067	0.965	.18392652

17	1.133	1.025	.16854525
18	1.200	1.085	.15379965
19	1.267	1.146	.14006495
20	1.333	1.206	.12695938
21	1.400	1.266	.11440158
22	1.467	1.327	.10287094
23	1.533	1.387	.09208095
24	1.600	1.447	.08209407
25	1.667	1.508	.07282346
26	1.733	1.568	.06411660
27	1.800	1.628	.05622913
28	1.867	1.688	.04912601
29	1.933	1.749	.04259946
30	2.000	1.809	.03675134
31	2.067	1.869	.03155728
32	2.133	1.930	.02670791
33	2.200	1.990	.02256104
34	2.267	2.050	.01891729
35	2.333	2.111	.01568760
36	2.400	2.171	.01291448
37	2.467	2.231	.01053886
38	2.533	2.291	.00854323
39	2.600	2.352	.00682886
40	2.667	2.412	.00541762
41	2.733	2.472	.00422136
42	2.800	2.533	.00327699
43	2.867	2.593	.00250449
44	2.933	2.653	.00189137
45	3.000	2.714	.00140231
46	3.067	2.774	.00101731

M= 5 , N= 6

0	0.0	0.0	.50883245
1	0.048	0.047	.49116838
2	0.095	0.094	.47310483
3	0.143	0.141	.45545739
4	0.190	0.188	.43741524
5	0.238	0.234	.41998500
6	0.286	0.281	.40239197
7	0.333	0.328	.38512832
8	0.381	0.375	.36786437
9	0.429	0.422	.35120755
10	0.476	0.469	.33493223
11	0.524	0.516	.31824976
12	0.571	0.563	.30210519
13	0.619	0.609	.28654045
14	0.667	0.656	.27111423
15	0.714	0.703	.25634086
16	0.762	0.750	.24165666
17	0.810	0.797	.22768599
18	0.857	0.844	.21389031
19	0.905	0.891	.20072001
20	0.952	0.938	.18785948
21	1.000	0.984	.17575628
22	1.048	1.031	.16376716
23	1.095	1.078	.15252239
24	1.143	1.125	.14159203
25	1.190	1.172	.13129371
26	1.238	1.219	.12141776
27	1.286	1.266	.11211514
28	1.333	1.313	.10312158
29	1.381	1.360	.09473950
30	1.429	1.406	.08675766
31	1.476	1.453	.07934225
32	1.524	1.500	.07228070
33	1.571	1.547	.06570494
34	1.619	1.594	.05951249
35	1.667	1.641	.05378184
36	1.714	1.688	.04845181
37	1.762	1.735	.04351307
38	1.810	1.781	.03893445
39	1.857	1.828	.03472178
40	1.905	1.875	.03085481
41	1.952	1.922	.02731973
42	2.000	1.969	.02410479
43	2.048	2.016	.02117193
44	2.095	2.063	.01852434
45	2.143	2.110	.01612572
46	2.190	2.157	.01399810
47	2.238	2.203	.01207457
48	2.286	2.250	.01058023
49	2.333	2.297	.00886334
50	2.381	2.344	.00753896
51	2.429	2.391	.00637399
52	2.476	2.438	.00536515
53	2.524	2.485	.00447973
54	2.571	2.532	.00372511
55	2.619	2.578	.00306941
56	2.667	2.625	.00252191
57	2.714	2.672	.00205339
58	2.762	2.719	.00166083
59	2.810	2.766	.00133000
60	2.857	2.813	.00105931

M= 5 , N= 7

0	0.0	0.0	.50728732
1	0.036	0.038	.49271369
2	0.071	0.076	.47822946

3	0.107	0.113	.46369052
4	0.143	0.151	.44930315
5	0.179	0.189	.43486702
6	0.214	0.227	.42058074
7	0.250	0.265	.40635228
8	0.286	0.302	.39229530
9	0.321	0.340	.37827659
10	0.357	0.378	.36450452
11	0.393	0.416	.35078788
12	0.429	0.454	.33733112
13	0.464	0.491	.32401586
14	0.500	0.529	.31095022
15	0.536	0.567	.29804796
16	0.571	0.605	.28543687
17	0.607	0.643	.27300102
18	0.643	0.680	.26088136
19	0.679	0.718	.24898517
20	0.714	0.756	.23739713
21	0.750	0.794	.22602749
22	0.786	0.832	.21501821
23	0.821	0.869	.20425314
24	0.857	0.907	.19382310
25	0.893	0.945	.18367463
26	0.929	0.983	.17384851
27	0.964	1.021	.16432899
28	1.000	1.058	.15515745
29	1.036	1.096	.14627224
30	1.071	1.134	.13773078
31	1.107	1.172	.12948626
32	1.143	1.209	.12158316
33	1.179	1.247	.11399788
34	1.214	1.285	.10673636
35	1.250	1.323	.09978372
36	1.286	1.361	.09313041
37	1.321	1.398	.08679783
38	1.357	1.436	.08076662
39	1.393	1.474	.07503760
40	1.429	1.512	.06959432
41	1.464	1.550	.06443918
42	1.500	1.587	.05956087
43	1.536	1.625	.05495207
44	1.571	1.663	.05060642
45	1.607	1.701	.04652766
46	1.643	1.739	.04268252
47	1.679	1.776	.03908758
48	1.714	1.814	.03571665
49	1.750	1.852	.03257522
50	1.786	1.890	.02963816
51	1.821	1.928	.02691342
52	1.857	1.965	.02438075
53	1.893	2.003	.02203883
54	1.929	2.041	.01987095
55	1.964	2.079	.01787595
56	2.000	2.117	.01603399
57	2.036	2.154	.01435057
58	2.071	2.192	.01280659
59	2.107	2.230	.01140032
60	2.143	2.268	.01011724
61	2.179	2.306	.00895280
62	2.214	2.343	.00789722
63	2.250	2.381	.00694676
64	2.286	2.419	.00609080
65	2.321	2.457	.00532303
66	2.357	2.495	.00463472
67	2.393	2.532	.00402296
68	2.429	2.570	.00347843
69	2.464	2.608	.00299707
70	2.500	2.646	.00257253
71	2.536	2.684	.00219924
72	2.571	2.721	.00187254
73	2.607	2.759	.00158742
74	2.643	2.797	.00134040
75	2.679	2.835	.00112641

M= 5 , N= 8

0	0.0	0.0	.50606382
1	0.028	0.031	.49393731
2	0.056	0.063	.48187804
3	0.083	0.094	.46978098
4	0.111	0.125	.45775646
5	0.139	0.157	.44571710
6	0.167	0.188	.43378353
7	0.194	0.219	.42184651
8	0.222	0.250	.41003138
9	0.250	0.282	.39823711
10	0.278	0.313	.38658124
11	0.306	0.344	.37497783
12	0.333	0.376	.36352444
13	0.361	0.407	.35212785
14	0.389	0.438	.34090894
15	0.417	0.470	.32977360
16	0.444	0.501	.31882203
17	0.472	0.532	.30796856
18	0.500	0.564	.29731607
19	0.528	0.595	.28678006
20	0.556	0.626	.27645516
21	0.583	0.658	.26626545
22	0.611	0.689	.25629193
23	0.639	0.720	.24646997
24	0.667	0.751	.23687589

25	0.694	0.783	.22743899
26	0.722	0.814	.21824300
27	0.750	0.845	.20921630
28	0.778	0.877	.20042717
29	0.806	0.908	.19181985
30	0.833	0.939	.18345755
31	0.861	0.971	.17528731
32	0.889	1.002	.16735846
33	0.917	1.033	.15962386
34	0.944	1.065	.15213424
35	0.972	1.096	.14484560
36	1.000	1.127	.13780349
37	1.028	1.159	.13096011
38	1.056	1.190	.12435853
39	1.083	1.221	.11796129
40	1.111	1.252	.11179978
41	1.139	1.284	.10584414
42	1.167	1.315	.10011715
43	1.194	1.346	.09459549
44	1.222	1.378	.08929479
45	1.250	1.409	.08419371
46	1.278	1.440	.07931089
47	1.306	1.472	.07462221
48	1.333	1.503	.07014024
49	1.361	1.534	.06585038
50	1.389	1.566	.06175678
51	1.417	1.597	.05784813
52	1.444	1.628	.05412542
53	1.472	1.659	.05057999
54	1.500	1.691	.04721186
55	1.528	1.722	.04401203
56	1.556	1.753	.04097869
57	1.583	1.785	.03810592
58	1.611	1.816	.03538718
59	1.639	1.847	.03281906
60	1.667	1.879	.03039521
61	1.694	1.910	.02811341
62	1.722	1.941	.02596444
63	1.750	1.973	.02394655
64	1.778	2.004	.02205107
65	1.806	2.035	.02027745
66	1.833	2.067	.01861628
67	1.861	2.098	.01706545
68	1.889	2.129	.01561710
69	1.917	2.160	.01427047
70	1.944	2.192	.01301604
71	1.972	2.223	.01185371
72	2.000	2.254	.01077437
73	2.028	2.286	.00977749
74	2.056	2.317	.00885500
75	2.083	2.348	.00800585
76	2.111	2.380	.00722339
77	2.139	2.411	.00650570
78	2.167	2.442	.00584643
79	2.194	2.474	.00524431
80	2.222	2.505	.00469335
81	2.250	2.536	.00419218
82	2.278	2.568	.00373548
83	2.306	2.599	.00332184
84	2.333	2.630	.00294670
85	2.361	2.661	.00260806
86	2.389	2.693	.00230255
87	2.417	2.724	.00202815
88	2.444	2.755	.00178161
89	2.472	2.787	.00156122
90	2.500	2.818	.00136431
91	2.528	2.849	.00119920
92	2.556	2.881	.00105355

M= 5 , N= 9

0	0.0	0.0	.50513333
1	0.022	0.026	.49486798
2	0.044	0.053	.48459625
3	0.067	0.079	.47434592
4	0.089	0.106	.46409720
5	0.111	0.132	.45388633
6	0.133	0.159	.44369096
7	0.156	0.185	.43353981
8	0.178	0.212	.42342132
9	0.200	0.238	.41336232
10	0.222	0.265	.40334153
11	0.244	0.291	.39339328
12	0.267	0.318	.38350034
13	0.289	0.344	.37368703
14	0.311	0.371	.36394191
15	0.333	0.397	.35428917
16	0.356	0.424	.34471065
17	0.378	0.450	.33523840
18	0.400	0.477	.32585388
19	0.422	0.503	.31657875
20	0.444	0.530	.30740488
21	0.467	0.556	.29835159
22	0.489	0.583	.28940409
23	0.511	0.609	.28058743
24	0.533	0.636	.27188742
25	0.556	0.662	.26332170
26	0.578	0.689	.25488156
27	0.600	0.715	.24658453
28	0.622	0.742	.23841763
29	0.644	0.768	.23040092

30	0.667	0.795	.22252238
31	0.689	0.821	.21479368
32	0.711	0.848	.20721143
33	0.733	0.874	.19978559
34	0.756	0.901	.19250691
35	0.778	0.927	.18538839
36	0.800	0.954	.17842156
37	0.822	0.980	.17161554
38	0.844	1.007	.16496581
39	0.867	1.033	.15847880
40	0.889	1.060	.15214783
41	0.911	1.086	.14598024
42	0.933	1.113	.13997108
43	0.956	1.139	.13412327
44	0.978	1.166	.12843484
45	1.000	1.192	.12290812
46	1.022	1.219	.11753786
47	1.044	1.245	.11232817
48	1.067	1.272	.10727531
49	1.089	1.298	.10237879
50	1.111	1.325	.09763724
51	1.133	1.351	.09304905
52	1.156	1.378	.08861297
53	1.178	1.404	.08432698
54	1.200	1.430	.08018970
55	1.222	1.457	.07619786
56	1.244	1.483	.07235068
57	1.267	1.510	.06864500
58	1.289	1.536	.06507963
59	1.311	1.563	.06165034
60	1.333	1.589	.05835604
61	1.356	1.616	.05519246
62	1.378	1.642	.05215887
63	1.400	1.669	.04925068
64	1.422	1.695	.04646640
65	1.444	1.722	.04380145
66	1.467	1.748	.04125487
67	1.489	1.775	.03882179
68	1.511	1.801	.03650056
69	1.533	1.828	.03428638
70	1.556	1.854	.03217826
71	1.578	1.881	.03017081
72	1.600	1.907	.02826302
73	1.622	1.934	.02644984
74	1.644	1.960	.02472988
75	1.667	1.987	.02309850
76	1.689	2.013	.02155365
77	1.711	2.040	.02009119
78	1.733	2.066	.01870932
79	1.756	2.093	.01740381
80	1.778	2.119	.01617260
81	1.800	2.146	.01501177
82	1.822	2.172	.01391942
83	1.844	2.199	.01289181
84	1.867	2.225	.01192688
85	1.889	2.252	.01102108
86	1.911	2.278	.01017229
87	1.933	2.305	.00937752
88	1.956	2.331	.00863451
89	1.978	2.358	.00794038
90	2.000	2.384	.00729299
91	2.022	2.411	.00668961
92	2.044	2.437	.00612835
93	2.067	2.464	.00560667
94	2.089	2.490	.00512243
95	2.111	2.517	.00467353
96	2.133	2.543	.00425806
97	2.156	2.570	.00387399
98	2.178	2.596	.00351944
99	2.200	2.623	.00319260
100	2.222	2.649	.00289173
101	2.244	2.676	.00261523
102	2.267	2.702	.00236145
103	2.289	2.729	.00212891
104	2.311	2.755	.00191614
105	2.333	2.782	.00172184
106	2.356	2.808	.00154457
107	2.378	2.834	.00138323
108	2.400	2.861	.00123654
109	2.422	2.887	.00110347

M= 5 , N=10

0	0.0	0.0	.50442958
1	0.018	0.023	.49557185
2	0.036	0.046	.48670781
3	0.055	0.068	.47785854
4	0.073	0.091	.46901166
5	0.091	0.114	.46018702
6	0.109	0.137	.45137191
7	0.127	0.160	.44258922
8	0.145	0.182	.43382424
9	0.164	0.205	.42509812
10	0.182	0.228	.41639930
11	0.200	0.251	.40774608
12	0.218	0.274	.39912778
13	0.236	0.296	.39056420
14	0.255	0.319	.38204235
15	0.273	0.342	.37358224
16	0.291	0.365	.36517161
17	0.309	0.387	.35682958

18	0.327	0.410	.34854472
19	0.345	0.433	.34033567
20	0.364	0.456	.33218986
21	0.382	0.479	.32412505
22	0.400	0.501	.31613183
23	0.418	0.524	.30822563
24	0.436	0.547	.30039626
25	0.455	0.570	.29266018
26	0.473	0.593	.28500581
27	0.491	0.615	.27745003
28	0.509	0.638	.26998276
29	0.527	0.661	.26261771
30	0.545	0.684	.25534570
31	0.564	0.707	.24818039
32	0.582	0.729	.24111277
33	0.600	0.752	.23415548
34	0.618	0.775	.22730023
35	0.636	0.798	.22055835
36	0.655	0.821	.21392119
37	0.673	0.843	.20740110
38	0.691	0.866	.20098913
39	0.709	0.889	.19469571
40	0.727	0.912	.18851346
41	0.745	0.934	.18245065
42	0.764	0.957	.17650157
43	0.782	0.980	.17067391
44	0.800	1.003	.16496092
45	0.818	1.026	.15937001
46	0.836	1.048	.15389460
47	0.855	1.071	.14854199
48	0.873	1.094	.14330602
49	0.891	1.117	.13819242
50	0.909	1.140	.13319546
51	0.927	1.162	.12831980
52	0.945	1.185	.12356108
53	0.964	1.208	.11892283
54	0.982	1.231	.11440051
55	1.000	1.254	.10999745
56	1.018	1.276	.10570878
57	1.036	1.299	.10153794
58	1.055	1.322	.09748042
59	1.073	1.345	.09353822
60	1.091	1.368	.08970767
61	1.109	1.390	.08598959
62	1.127	1.413	.08238113
63	1.145	1.436	.07888281
64	1.164	1.459	.07549143
65	1.182	1.481	.07220715
66	1.200	1.504	.06902677
67	1.218	1.527	.06595057
68	1.236	1.550	.06297559
69	1.255	1.573	.06010120
70	1.273	1.595	.05732463
71	1.291	1.618	.05464473
72	1.309	1.641	.05205961
73	1.327	1.664	.04956754
74	1.345	1.687	.04716643
75	1.364	1.709	.04485457
76	1.382	1.732	.04262981
77	1.400	1.755	.04049050
78	1.418	1.778	.03843467
79	1.436	1.801	.03646000
80	1.455	1.823	.03456485
81	1.473	1.846	.03274679
82	1.491	1.869	.03100439
83	1.509	1.892	.02933506
84	1.527	1.915	.02773732
85	1.545	1.937	.02620864
86	1.564	1.960	.02474741
87	1.582	1.983	.02335133
88	1.600	2.006	.02201886
89	1.618	2.028	.02074738
90	1.636	2.051	.01953557
91	1.655	2.074	.01838083
92	1.673	2.097	.01728195
93	1.691	2.120	.01623640
94	1.709	2.142	.01524286
95	1.727	2.165	.01429892
96	1.745	2.188	.01340324
97	1.764	2.211	.01255364
98	1.782	2.234	.01174878
99	1.800	2.256	.01098643
100	1.818	2.279	.01026538
101	1.836	2.302	.00958347
102	1.855	2.325	.00893959
103	1.873	2.348	.00833173
104	1.891	2.370	.00775866
105	1.909	2.393	.00721854
106	1.927	2.416	.00671020
107	1.945	2.439	.00623195
108	1.964	2.462	.00578263
109	1.982	2.484	.00536064
110	2.000	2.507	.00496469
111	2.018	2.530	.00459387
112	2.036	2.553	.00424660
113	2.055	2.576	.00392166
114	2.073	2.598	.00361806
115	2.091	2.621	.00333454
116	2.109	2.644	.00307014
117	2.127	2.667	.00282375
118	2.145	2.689	.00259444
119	2.164	2.712	.00238117

120	2.182	2.735	.00218310
121	2.200	2.758	.00199927
122	2.218	2.781	.00182891
123	2.236	2.803	.00167116
124	2.255	2.826	.00152528
125	2.273	2.849	.00139049
126	2.291	2.872	.00126612
127	2.309	2.895	.00115150
128	2.327	2.917	.00104598

M= 6 , N= 2

0	0.0	0.0	.53111124
1	0.333	0.169	.46888906
2	0.667	0.338	.40333354
3	1.000	0.507	.36777794
4	1.333	0.676	.30000025
5	1.667	0.845	.26000023
6	2.000	1.014	.19666696
7	2.333	1.183	.15666693
8	2.667	1.352	.10666698
9	3.000	1.521	.08000028
10	3.333	1.690	.04888923
11	3.667	1.859	.03333368
12	4.000	2.028	.01777813
13	4.333	2.197	.00888924
14	4.667	2.366	.00333369
15	5.000	2.535	.00111147

M= 6 , N= 3

0	0.0	0.0	.52037060
1	0.167	0.101	.47962987
2	0.333	0.202	.44622248
3	0.500	0.303	.40792620
4	0.667	0.404	.37037069
5	0.833	0.505	.33511144
6	1.000	0.606	.30585217
7	1.167	0.707	.26929665
8	1.333	0.808	.24188930
9	1.500	0.909	.21281523
10	1.667	1.010	.18340784
11	1.833	1.111	.15777820
12	2.000	1.212	.13525969
13	2.167	1.313	.11137080
14	2.333	1.414	.09255600
15	2.500	1.515	.07551897
16	2.667	1.616	.05929680
17	2.833	1.717	.04644496
18	3.000	1.818	.03592645
19	3.167	1.919	.02651904
20	3.333	2.020	.01955608
21	3.500	2.121	.01381534
22	3.667	2.222	.00937090
23	3.833	2.323	.00611164
24	4.000	2.424	.00396350
25	4.167	2.525	.00222276
26	4.333	2.626	.00133387

M= 6 , N= 4

0	0.0	0.0	.51319045
1	0.100	0.069	.48681021
2	0.200	0.138	.46180284
3	0.300	0.207	.43458432
4	0.400	0.276	.41084111
5	0.500	0.345	.38466460
6	0.600	0.414	.36051893
7	0.700	0.483	.33557453
8	0.800	0.552	.31237948
9	0.900	0.621	.28841901
10	1.000	0.690	.26771039
11	1.100	0.759	.24492520
12	1.200	0.828	.22520667
13	1.300	0.897	.20517212
14	1.400	0.966	.18717217
15	1.500	1.035	.16835368
16	1.600	1.104	.15250427
17	1.700	1.173	.13602155
18	1.800	1.242	.12169319
19	1.900	1.311	.10731542
20	2.000	1.380	.09484380
21	2.100	1.449	.08258581
22	2.200	1.518	.07216114
23	2.300	1.587	.06192907
24	2.400	1.656	.05321302
25	2.500	1.725	.04500933
26	2.600	1.794	.03803649
27	2.700	1.863	.03160193
28	2.800	1.932	.02627847
29	2.900	2.001	.02137601
30	3.000	2.070	.01734885
31	3.100	2.139	.01387231
32	3.200	2.208	.01099577
33	3.300	2.277	.00850565
34	3.400	2.346	.00660194
35	3.500	2.415	.00498590
36	3.600	2.484	.00371676
37	3.700	2.553	.00270689
38	3.800	2.622	.00196121
39	3.900	2.691	.00135874

M= 6 , N= 5

0	0.0	0.0	.50969726
1	0.067	0.051	.49030358
2	0.133	0.102	.47081530
3	0.200	0.153	.45181811
4	0.267	0.204	.43234026
5	0.333	0.255	.41351271
6	0.400	0.306	.39443552

7	0.467	0.357	.37598485
8	0.533	0.408	.35749674
9	0.600	0.459	.33961868
10	0.667	0.510	.32160121
11	0.733	0.561	.30435038
12	0.800	0.612	.28719383
13	0.867	0.663	.27068496
14	0.933	0.714	.25440741
15	1.000	0.764	.23893487
16	1.067	0.815	.22349483
17	1.133	0.866	.20896214
18	1.200	0.917	.19473457
19	1.267	0.968	.18124437
20	1.333	1.019	.16812819
21	1.400	1.070	.15569502
22	1.467	1.121	.14369249
23	1.533	1.172	.13242298
24	1.600	1.223	.12160271
25	1.667	1.274	.11143273
26	1.733	1.325	.10172534
27	1.800	1.376	.09267128
28	1.867	1.427	.08408082
29	1.933	1.478	.07611465
30	2.000	1.529	.06861794
31	2.067	1.580	.06165413
32	2.133	1.631	.05519134
33	2.200	1.682	.04925842
34	2.267	1.733	.04372888
35	2.333	1.784	.03869350
36	2.400	1.835	.03408337
37	2.467	1.886	.02990832
38	2.533	1.937	.02610947
39	2.600	1.988	.02269153
40	2.667	2.039	.01959409
41	2.733	2.090	.01687030
42	2.800	2.141	.01442648
43	2.867	2.191	.01227603
44	2.933	2.242	.01037018
45	3.000	2.293	.00872023
46	3.067	2.344	.00727537
47	3.133	2.395	.00604080
48	3.200	2.446	.00497027
49	3.267	2.497	.00406616
50	3.333	2.548	.00329591
51	3.400	2.599	.00265558
52	3.467	2.650	.00211558
53	3.533	2.701	.00167460
54	3.600	2.752	.00131015
55	3.667	2.803	.00101715

M= 6 , N= 6

0	0.0	0.0	.50753593
1	0.048	0.040	.49246508
2	0.095	0.079	.47717810
3	0.143	0.119	.46218258
4	0.190	0.158	.44688457
5	0.238	0.198	.43201798
6	0.286	0.238	.41698724
7	0.333	0.277	.40223503
8	0.381	0.317	.38742858
9	0.429	0.357	.37303108
10	0.476	0.396	.35845196
11	0.524	0.436	.34439951
12	0.571	0.475	.33029789
13	0.619	0.515	.31659085
14	0.667	0.555	.30294192
15	0.714	0.594	.28975654
16	0.762	0.634	.27653950
17	0.810	0.674	.26388001
18	0.857	0.713	.25129044
19	0.905	0.753	.23914468
20	0.952	0.792	.22716188
21	1.000	0.832	.21569628
22	1.048	0.872	.20428067
23	1.095	0.911	.19344479
24	1.143	0.951	.18277079
25	1.190	0.991	.17256582
26	1.238	1.030	.16259199
27	1.286	1.070	.15311641
28	1.333	1.109	.14378774
29	1.381	1.149	.13499922
30	1.429	1.189	.12643325
31	1.476	1.228	.11851743
32	1.524	1.268	.11045897
33	1.571	1.308	.10305244
34	1.619	1.347	.09585214
35	1.667	1.387	.08912003
36	1.714	1.426	.08263260
37	1.762	1.466	.07653826
38	1.810	1.506	.07070607
39	1.857	1.545	.06525755
40	1.905	1.585	.06003071
41	1.952	1.624	.05518124
42	2.000	1.664	.05057411
43	2.048	1.704	.04628600
44	2.095	1.743	.04223787
45	2.143	1.783	.03849144
46	2.190	1.823	.03495115
47	2.238	1.862	.03170281
48	2.286	1.902	.02866159
49	2.333	1.941	.02586369
50	2.381	1.981	.02326190

51	2.429	2.021	.02088327
52	2.476	2.060	.01867486
53	2.524	2.100	.01667403
54	2.571	2.140	.01483166
55	2.619	2.179	.01316100
56	2.667	2.219	.01163496
57	2.714	2.258	.01026253
58	2.762	2.298	.00901030
59	2.810	2.338	.00789530
60	2.857	2.377	.00688789
61	2.905	2.417	.00599147
62	2.952	2.457	.00518882
63	3.000	2.496	.00448088
64	3.048	2.536	.00384815
65	3.095	2.575	.00329724
66	3.143	2.615	.00281008
67	3.190	2.655	.00238672
68	3.238	2.694	.00201585
69	3.286	2.734	.00169672
70	3.333	2.774	.00141862
71	3.381	2.813	.00118310

M= 6 , N= 7

0	0.0	0.0	.50617009
1	0.036	0.032	.49383110
2	0.071	0.064	.48154002
3	0.107	0.096	.46921664
4	0.143	0.128	.45698559
5	0.179	0.160	.44472593
6	0.214	0.192	.43256330
7	0.250	0.224	.42042738
8	0.286	0.256	.40839487
9	0.321	0.287	.39639443
10	0.357	0.319	.38454729
11	0.393	0.351	.37273705
12	0.429	0.383	.36108333
13	0.464	0.415	.34951586
14	0.500	0.447	.33810848
15	0.536	0.479	.32679534
16	0.571	0.511	.31568342
17	0.607	0.543	.30467016
18	0.643	0.575	.29386055
19	0.679	0.607	.28319126
20	0.714	0.639	.27272654
21	0.750	0.671	.26240516
22	0.786	0.703	.25232190
23	0.821	0.735	.24238694
24	0.857	0.767	.23268533
25	0.893	0.799	.22316521
26	0.929	0.831	.21387690
27	0.964	0.862	.20477450
28	1.000	0.894	.19592804
29	1.036	0.926	.18726271
30	1.071	0.958	.17884867
31	1.107	0.990	.17064011
32	1.143	1.022	.16267854
33	1.179	1.054	.15492499
34	1.214	1.086	.14743048
35	1.250	1.118	.14013904
36	1.286	1.150	.13309532
37	1.321	1.182	.12627119
38	1.357	1.214	.11968905
39	1.393	1.246	.11332226
40	1.429	1.278	.10720229
41	1.464	1.310	.10129112
42	1.500	1.342	.09561509
43	1.536	1.374	.09015000
44	1.571	1.406	.08491349
45	1.607	1.437	.07988358
46	1.643	1.469	.07507831
47	1.679	1.501	.07046962
48	1.714	1.533	.06607294
49	1.750	1.565	.06187248
50	1.786	1.597	.05787152
51	1.821	1.629	.05405797
52	1.857	1.661	.05043934
53	1.893	1.693	.04699524
54	1.929	1.725	.04373321
55	1.964	1.757	.04064018
56	2.000	1.789	.03771734
57	2.036	1.821	.03495178
58	2.071	1.853	.03234836
59	2.107	1.885	.02989121
60	2.143	1.917	.02758241
61	2.179	1.949	.02541178
62	2.214	1.981	.02337737
63	2.250	2.012	.02146971
64	2.286	2.044	.01968946
65	2.321	2.076	.01802410
66	2.357	2.108	.01647390
67	2.393	2.140	.01502978
68	2.429	2.172	.01368953
69	2.464	2.204	.01244472
70	2.500	2.236	.01129491
71	2.536	2.268	.01023012
72	2.571	2.300	.00924910
73	2.607	2.332	.00834500
74	2.643	2.364	.00751505
75	2.679	2.396	.00675278
76	2.714	2.428	.00605650

77	2.750	2.460	.00541940
78	2.786	2.492	.00483932
79	2.821	2.524	.00431105
80	2.857	2.556	.00383220
81	2.893	2.587	.00339794
82	2.929	2.619	.00300649
83	2.964	2.651	.00265302
84	3.000	2.683	.00233553
85	3.036	2.715	.00205047
86	3.071	2.747	.00179563
87	3.107	2.779	.00156798
88	3.143	2.811	.00136581
89	3.179	2.843	.00118603
90	3.214	2.875	.00102705

M= 6 , N= 8

0	0.0	0.0	.50513512
1	0.028	0.026	.49486625
2	0.056	0.053	.48464084
3	0.083	0.079	.47438735
4	0.111	0.106	.46418422
5	0.139	0.132	.45396811
6	0.167	0.159	.44381869
7	0.194	0.185	.43366414
8	0.222	0.212	.42358977
9	0.250	0.238	.41352445
10	0.278	0.265	.40354699
11	0.306	0.291	.39359522
12	0.333	0.318	.38374388
13	0.361	0.344	.37392414
14	0.389	0.370	.36421859
15	0.417	0.397	.35455978
16	0.444	0.423	.34501958
17	0.472	0.450	.33553886
18	0.500	0.476	.32618970
19	0.528	0.503	.31690735
20	0.556	0.529	.30776596
21	0.583	0.556	.29870319
22	0.611	0.582	.28978562
23	0.639	0.609	.28095901
24	0.667	0.635	.27228665
25	0.694	0.662	.26370966
26	0.722	0.688	.25529557
27	0.750	0.714	.24698693
28	0.778	0.741	.23884219
29	0.806	0.767	.23081213
30	0.833	0.794	.22295260
31	0.861	0.820	.21521193
32	0.889	0.847	.20764595
33	0.917	0.873	.20020521
34	0.944	0.900	.19293988
35	0.972	0.926	.18580639
36	1.000	0.953	.17885184
37	1.028	0.979	.17209985
38	1.056	1.006	.16558858
39	1.083	1.032	.15888476
40	1.111	1.059	.15255940
41	1.139	1.085	.14637500
42	1.167	1.111	.14036965
43	1.194	1.138	.13450551
44	1.222	1.164	.12881893
45	1.250	1.191	.12327439
46	1.278	1.217	.11790419
47	1.306	1.244	.11267716
48	1.333	1.270	.10762233
49	1.361	1.297	.10270876
50	1.389	1.323	.09796411
51	1.417	1.350	.09335935
52	1.444	1.376	.08891827
53	1.472	1.403	.08461577
54	1.500	1.429	.08047289
55	1.528	1.455	.07646489
56	1.556	1.482	.07261151
57	1.583	1.508	.06889057
58	1.611	1.535	.06531739
59	1.639	1.561	.06187293
60	1.667	1.588	.05857116
61	1.694	1.614	.05539306
62	1.722	1.641	.05235169
63	1.750	1.667	.04942963
64	1.778	1.694	.04663707
65	1.806	1.720	.04395944
66	1.833	1.747	.04140475
67	1.861	1.773	.03895902
68	1.889	1.799	.03662994
69	1.917	1.826	.03440460
70	1.944	1.852	.03228853
71	1.972	1.879	.03027077
72	2.000	1.905	.02835584
73	2.028	1.932	.02653311
74	2.056	1.958	.02480644
75	2.083	1.985	.02316625
76	2.111	2.011	.02161523
77	2.139	2.038	.02014518
78	2.167	2.064	.01875788
79	2.194	2.091	.01744549
80	2.222	2.117	.01620958
81	2.250	2.143	.01504297
82	2.278	2.170	.01394638
83	2.306	2.196	.01291373

84	2.333	2.223	.01194534
85	2.361	2.249	.01103533
86	2.389	2.276	.01018390
87	2.417	2.302	.00938565
88	2.444	2.329	.00864041
89	2.472	2.355	.00794349
90	2.500	2.382	.00729446
91	2.528	2.408	.00668901
92	2.556	2.435	.00612659
93	2.583	2.461	.00560325
94	2.611	2.488	.00511828
95	2.639	2.514	.00466827
96	2.667	2.540	.00425243
97	2.694	2.567	.00386753
98	2.722	2.593	.00351290
99	2.750	2.620	.00318561
100	2.778	2.646	.00288484
101	2.806	2.673	.00260812
102	2.833	2.699	.00235461
103	2.861	2.726	.00212204
104	2.889	2.752	.00190965
105	2.917	2.779	.00171542
106	2.944	2.805	.00153860
107	2.972	2.832	.00137744
108	3.000	2.858	.00123121
109	3.028	2.884	.00109838

M= 6 , N= 9

0	0.0	0.0	.50434959
1	0.022	0.022	.49565196
2	0.044	0.045	.48695105
3	0.067	0.067	.47826308
4	0.089	0.090	.46957594
5	0.111	0.112	.46091151
6	0.133	0.134	.45225751
7	0.156	0.157	.44362992
8	0.178	0.179	.43502259
9	0.200	0.201	.42645139
10	0.222	0.224	.41790414
11	0.244	0.246	.40940189
12	0.267	0.269	.40093315
13	0.289	0.291	.39251316
14	0.311	0.313	.38413566
15	0.333	0.336	.37581569
16	0.356	0.358	.36754173
17	0.378	0.381	.35933387
18	0.400	0.403	.35118055
19	0.422	0.425	.34309608
20	0.444	0.448	.33507460
21	0.467	0.470	.32712978
22	0.489	0.493	.31925082
23	0.511	0.515	.31145585
24	0.533	0.537	.30373430
25	0.556	0.560	.29609887
26	0.578	0.582	.28854388
27	0.600	0.604	.28108162
28	0.622	0.627	.27370203
29	0.644	0.649	.26642114
30	0.667	0.672	.25922912
31	0.689	0.694	.25213683
32	0.711	0.716	.24513942
33	0.733	0.739	.23824698
34	0.756	0.761	.23145038
35	0.778	0.784	.22476327
36	0.800	0.806	.21817672
37	0.822	0.828	.21169996
38	0.844	0.851	.20532817
39	0.867	0.873	.19906962
40	0.889	0.896	.19291621
41	0.911	0.918	.18687904
42	0.933	0.940	.18095022
43	0.956	0.963	.17513680
44	0.978	0.985	.16943455
45	1.000	1.007	.16384983
46	1.022	1.030	.15837526
47	1.044	1.052	.15301979
48	1.067	1.075	.14777625
49	1.089	1.097	.14264989
50	1.111	1.119	.13763672
51	1.133	1.142	.13274145
52	1.156	1.164	.12795758
53	1.178	1.187	.12329161
54	1.200	1.209	.11873746
55	1.222	1.231	.11429840
56	1.244	1.254	.10997111
57	1.267	1.276	.10575831
58	1.289	1.299	.10165459
59	1.311	1.321	.09766424
60	1.333	1.343	.09378201
61	1.356	1.366	.09000987
62	1.378	1.388	.08634448
63	1.400	1.410	.08278739
64	1.422	1.433	.07933378
65	1.444	1.455	.07598627
66	1.467	1.478	.07274038
67	1.489	1.500	.06959671
68	1.511	1.522	.06655234
69	1.533	1.545	.06360757
70	1.556	1.567	.06075837
71	1.578	1.590	.05800588

72	1.600	1.612	.05534609
73	1.622	1.634	.05277884
74	1.644	1.657	.05040138
75	1.667	1.679	.04791331
76	1.689	1.702	.04561088
77	1.711	1.724	.04339440
78	1.733	1.746	.04126030
79	1.756	1.769	.03920787
80	1.778	1.791	.03723441
81	1.800	1.813	.03533904
82	1.822	1.836	.03351848
83	1.844	1.858	.03177237
84	1.867	1.881	.03009751
85	1.889	1.903	.02849282
86	1.911	1.925	.02695580
87	1.933	1.948	.02548528
88	1.956	1.970	.02407835
89	1.978	1.993	.02273422
90	2.000	2.015	.02145008
91	2.022	2.037	.02022466
92	2.044	2.060	.01905572
93	2.067	2.082	.01794191
94	2.089	2.105	.01688068
95	2.111	2.127	.01587106
96	2.133	2.149	.01491059
97	2.156	2.172	.01399796
98	2.178	2.194	.01313113
99	2.200	2.216	.01230880
100	2.222	2.239	.01152878
101	2.244	2.261	.01078999
102	2.267	2.284	.01009034
103	2.289	2.306	.00942859
104	2.311	2.328	.00880297
105	2.333	2.351	.00821223
106	2.356	2.373	.00765454
107	2.378	2.396	.00712887
108	2.400	2.418	.00663348
109	2.422	2.440	.00616722
110	2.444	2.463	.00572862
111	2.467	2.485	.00531656
112	2.489	2.508	.00492954
113	2.511	2.530	.00456663
114	2.533	2.552	.00422642
115	2.556	2.575	.00390792
116	2.578	2.597	.00360993
117	2.600	2.619	.00333150
118	2.622	2.642	.00307144
119	2.644	2.664	.00282894
120	2.667	2.687	.00260291
121	2.689	2.709	.00239251
122	2.711	2.731	.00219682
123	2.733	2.754	.00201505
124	2.756	2.776	.00184630
125	2.778	2.799	.00168990
126	2.800	2.821	.00154502
127	2.822	2.843	.00141101
128	2.844	2.866	.00128715
129	2.867	2.888	.00117285
130	2.889	2.911	.00106743

M= 6 , N=10

0	0.0	0.0	.50375205
1	0.018	0.019	.49624968
2	0.036	0.039	.48874259
3	0.055	0.058	.48124492
4	0.073	0.077	.47374833
5	0.091	0.096	.46626574
6	0.109	0.116	.45879899
7	0.127	0.135	.45133197
8	0.145	0.154	.44388545
9	0.164	0.173	.43646318
10	0.182	0.193	.42905700
11	0.200	0.212	.42167968
12	0.218	0.231	.41432303
13	0.236	0.250	.40700060
14	0.255	0.270	.39970332
15	0.273	0.289	.39244455
16	0.291	0.308	.38521624
17	0.309	0.327	.37803066
18	0.327	0.347	.37087983
19	0.345	0.366	.36377668
20	0.364	0.385	.35671240
21	0.382	0.405	.34969968
22	0.400	0.424	.34273070
23	0.418	0.443	.33581704
24	0.436	0.462	.32895088
25	0.455	0.482	.32214451
26	0.473	0.501	.31538922
27	0.491	0.520	.30869699
28	0.509	0.539	.30206031
29	0.527	0.559	.29548973
30	0.545	0.578	.28897792
31	0.564	0.597	.28253597
32	0.582	0.616	.27616583
33	0.600	0.636	.26984823
34	0.618	0.655	.26360601
35	0.636	0.674	.25743884
36	0.655	0.693	.25133961
37	0.673	0.713	.24531835
38	0.691	0.732	.23936749

39	0.709	0.751	.23349655
40	0.727	0.771	.22769880
41	0.745	0.790	.22198272
42	0.764	0.809	.21634173
43	0.782	0.828	.21078461
44	0.800	0.848	.20530421
45	0.818	0.867	.19990879
46	0.836	0.886	.19459218
47	0.855	0.905	.18936157
48	0.873	0.925	.18421096
49	0.891	0.944	.17914772
50	0.909	0.963	.17416531
51	0.927	0.982	.16927069
52	0.945	1.002	.16445822
53	0.964	1.021	.15973383
54	0.982	1.040	.15509200
55	1.000	1.059	.15053880
56	1.018	1.079	.14606827
57	1.036	1.098	.14168626
58	1.055	1.117	.13738739
59	1.073	1.137	.13317657
60	1.091	1.156	.12904865
61	1.109	1.175	.12500852
62	1.127	1.194	.12105095
63	1.145	1.214	.11718029
64	1.164	1.233	.11339188
65	1.182	1.252	.10968941
66	1.200	1.271	.10606831
67	1.218	1.291	.10253227
68	1.236	1.310	.09907663
69	1.255	1.329	.09570462
70	1.273	1.348	.09241205
71	1.291	1.368	.08920163
72	1.309	1.387	.08606935
73	1.327	1.406	.08301771
74	1.345	1.425	.08004266
75	1.364	1.445	.07714653
76	1.382	1.464	.07432544
77	1.400	1.483	.07158136
78	1.418	1.503	.06891060
79	1.436	1.522	.06631494
80	1.455	1.541	.06379068
81	1.473	1.560	.06133939
82	1.491	1.580	.05895765
83	1.509	1.599	.05664659
84	1.527	1.618	.05440300
85	1.545	1.637	.05222793
86	1.564	1.657	.05011814
87	1.582	1.676	.04807448
88	1.600	1.695	.04609400
89	1.618	1.714	.04417719
90	1.636	1.734	.04232125
91	1.655	1.753	.04052664
92	1.673	1.772	.03879055
93	1.691	1.791	.03711326
94	1.709	1.811	.03549228
95	1.727	1.830	.03392746
96	1.745	1.849	.03241655
97	1.764	1.868	.03095948
98	1.782	1.888	.02955384
99	1.800	1.907	.02819952
100	1.818	1.926	.02689429
101	1.836	1.946	.02563787
102	1.855	1.965	.02442814
103	1.873	1.984	.02326480
104	1.891	2.003	.02214577
105	1.909	2.023	.02107067
106	1.927	2.042	.02003758
107	1.945	2.061	.01904602
108	1.964	2.080	.01809414
109	1.982	2.100	.01718146
110	2.000	2.119	.01630620
111	2.018	2.138	.01546782
112	2.036	2.157	.01466468
113	2.055	2.177	.01389616
114	2.073	2.196	.01316071
115	2.091	2.215	.01245773
116	2.109	2.234	.01178572
117	2.127	2.254	.01114405
118	2.145	2.273	.01053133
119	2.164	2.292	.00994692
120	2.182	2.312	.00938949
121	2.200	2.331	.00885842
122	2.218	2.350	.00835244
123	2.236	2.369	.00787092
124	2.255	2.389	.00741269
125	2.273	2.408	.00697711
126	2.291	2.427	.00656309
127	2.309	2.446	.00617001
128	2.327	2.466	.00579682
129	2.345	2.485	.00544293
130	2.364	2.504	.00510738
131	2.382	2.523	.00478956
132	2.400	2.543	.00448858
133	2.418	2.562	.00420388
134	2.436	2.581	.00393460
135	2.455	2.600	.00368021
136	2.473	2.620	.00343991
137	2.491	2.639	.00321320
138	2.509	2.658	.00299933
139	2.527	2.678	.00279783
140	2.545	2.697	.00260800

141	2.564	2.716	.00242938
142	2.582	2.735	.00226135
143	2.600	2.755	.00210347
144	2.618	2.774	.00195515
145	2.636	2.793	.00181599
146	2.655	2.812	.00168545
147	2.673	2.832	.00156315
148	2.691	2.851	.00144860
149	2.709	2.870	.00134144
150	2.727	2.889	.00124122
151	2.745	2.909	.00114761
152	2.764	2.928	.00106020

M= 7 , N= 2

0	0.0	0.0	.52777791
1	0.333	0.146	.47222239
2	0.667	0.293	.41666687
3	1.000	0.439	.38095260
4	1.333	0.586	.32426322
5	1.667	0.732	.28628141
6	2.000	0.878	.23299342
7	2.333	1.025	.19614536
8	2.667	1.171	.14852637
9	3.000	1.317	.11791414
10	3.333	1.464	.08390051
11	3.667	1.610	.06292546
12	4.000	1.757	.04158356
13	4.333	1.903	.02834502
14	4.667	2.049	.01700715
15	5.000	2.196	.00907065
16	5.333	2.342	.00453550
17	5.667	2.489	.00170104

M= 7 , N= 3

0	0.0	0.0	.51688558
1	0.167	0.087	.48311490
2	0.333	0.175	.45277262
3	0.500	0.262	.41974437
4	0.667	0.350	.38748544
5	0.833	0.437	.35623884
6	1.000	0.525	.32846105
7	1.167	0.612	.29690403
8	1.333	0.700	.27106988
9	1.500	0.787	.24430442
10	1.667	0.875	.21793044
11	1.833	0.962	.19354051
12	2.000	1.050	.17124271
13	2.167	1.137	.14833754
14	2.333	1.225	.12871224
15	2.500	1.312	.11065263
16	2.667	1.400	.09310597
17	2.833	1.487	.07824528
18	3.000	1.575	.06480181
19	3.167	1.662	.05270810
20	3.333	1.750	.04242304
21	3.500	1.837	.03369018
22	3.667	1.925	.02629358
23	3.833	2.012	.02020622
24	4.000	2.100	.01505020
25	4.167	2.187	.01112244
26	4.333	2.275	.00791004
27	4.500	2.362	.00548050
28	4.667	2.449	.00367184
29	4.833	2.537	.00243008
30	5.000	2.624	.00145826

M= 7 , N= 4

0	0.0	0.0	.51140279
1	0.100	0.060	.48859787
2	0.200	0.120	.46655846
3	0.300	0.179	.44340646
4	0.400	0.239	.42199564
5	0.500	0.299	.39954460
6	0.600	0.359	.37814724
7	0.700	0.418	.35625148
8	0.800	0.478	.33552903
9	0.900	0.538	.31449425
10	1.000	0.598	.29512924
11	1.100	0.657	.27489656
12	1.200	0.717	.25639731
13	1.300	0.777	.23794854
14	1.400	0.837	.22073609
15	1.500	0.896	.20317942
16	1.600	0.956	.18744272
17	1.700	1.016	.17161953
18	1.800	1.076	.15717083
19	1.900	1.135	.14278090
20	2.000	1.195	.12975651
21	2.100	1.255	.11704063
22	2.200	1.315	.10548747
23	2.300	1.375	.09425277
24	2.400	1.434	.08415794
25	2.500	1.494	.07454842
26	2.600	1.554	.06593829
27	2.700	1.614	.05778877
28	2.800	1.673	.05050465
29	2.900	1.733	.04379770
30	3.000	1.793	.03783954
31	3.100	1.853	.03240360
32	3.200	1.912	.02761779
33	3.300	1.972	.02334970
34	3.400	2.032	.01960126
35	3.500	2.092	.01634677
36	3.600	2.151	.01348146
37	3.700	2.211	.01104806
38	3.800	2.271	.00897138
39	3.900	2.331	.00722217
40	4.000	2.390	.00572203

41	4.100	2.450	.00452268
42	4.200	2.510	.00351230
43	4.300	2.570	.00269892
44	4.400	2.630	.00203755
45	4.500	2.689	.00152914
46	4.600	2.749	.00111779

M= 7 , N= 5

0	0.0	0.0	.50841230
1	0.067	0.044	.49158853
2	0.133	0.088	.47470957
3	0.200	0.132	.45805556
4	0.267	0.177	.44122946
5	0.333	0.221	.42469358
6	0.400	0.265	.40811002
7	0.467	0.309	.39184672
8	0.533	0.353	.37563348
9	0.600	0.397	.35973912
10	0.667	0.441	.34388274
11	0.733	0.486	.32844079
12	0.800	0.530	.31312776
13	0.867	0.574	.29818892
14	0.933	0.618	.28346437
15	1.000	0.662	.26921654
16	1.067	0.706	.25510955
17	1.133	0.750	.24151170
18	1.200	0.794	.22819203
19	1.267	0.839	.21555206
20	1.333	0.883	.20281649
21	1.400	0.927	.19073486
22	1.467	0.971	.17902833
23	1.533	1.015	.16780329
24	1.600	1.059	.15694284
25	1.667	1.103	.14654893
26	1.733	1.148	.13654244
27	1.800	1.192	.12700361
28	1.867	1.236	.11787546
29	1.933	1.280	.10918730
30	2.000	1.324	.10091263
31	2.067	1.368	.09306479
32	2.133	1.412	.08562738
33	2.200	1.457	.07859790
34	2.267	1.501	.07197952
35	2.333	1.545	.06574452
36	2.400	1.589	.05990532
37	2.467	1.633	.05443114
38	2.533	1.677	.04933128
39	2.600	1.721	.04456981
40	2.667	1.765	.04016294
41	2.733	1.810	.03607658
42	2.800	1.854	.03231170
43	2.867	1.898	.02884377
44	2.933	1.942	.02566464
45	3.000	1.986	.02274986
46	3.067	2.030	.02011036
47	3.133	2.074	.01770158
48	3.200	2.119	.01552598
49	3.267	2.163	.01355946
50	3.333	2.207	.01180255
51	3.400	2.251	.01022547
52	3.467	2.295	.00882359
53	3.533	2.339	.00757496
54	3.600	2.383	.00647746
55	3.667	2.428	.00551007
56	3.733	2.472	.00466550
57	3.800	2.516	.00392773
58	3.867	2.560	.00329063
59	3.933	2.604	.00273990
60	4.000	2.648	.00226934
61	4.067	2.692	.00186639
62	4.133	2.736	.00152653
63	4.200	2.781	.00123956

M= 7 , N= 6

0	0.0	0.0	.50657159
1	0.048	0.034	.49342942
2	0.095	0.069	.48020673
3	0.143	0.103	.46710026
4	0.190	0.137	.45390528
5	0.238	0.172	.44088382
6	0.286	0.206	.42782480
7	0.333	0.240	.41490722
8	0.381	0.275	.40199912
9	0.429	0.309	.38928765
10	0.476	0.343	.37656456
11	0.524	0.377	.36408222
12	0.571	0.412	.35164070
13	0.619	0.446	.33941770
14	0.667	0.480	.32727820
15	0.714	0.515	.31538492
16	0.762	0.549	.30356783
17	0.810	0.583	.29203773
18	0.857	0.618	.28061932
19	0.905	0.652	.26946324
20	0.952	0.686	.25845975
21	1.000	0.721	.24775195
22	1.048	0.755	.23717165
23	1.095	0.789	.22691298

24	1.143	0.824	.21682489
25	1.190	0.858	.20703226
26	1.238	0.892	.19743830
27	1.286	0.926	.18815452
28	1.333	0.961	.17905426
29	1.381	0.995	.17028189
30	1.429	1.029	.16171771
31	1.476	1.064	.15345788
32	1.524	1.098	.14542353
33	1.571	1.132	.13769770
34	1.619	1.167	.13018614
35	1.667	1.201	.12298703
36	1.714	1.235	.11601430
37	1.762	1.270	.10933316
38	1.810	1.304	.10288602
39	1.857	1.338	.09672493
40	1.905	1.373	.09078902
41	1.952	1.407	.08513224
42	2.000	1.441	.07970291
43	2.048	1.475	.07453507
44	2.095	1.510	.06959248
45	2.143	1.544	.06489933
46	2.190	1.578	.06042227
47	2.238	1.613	.05618433
48	2.286	1.647	.05215666
49	2.333	1.681	.04835087
50	2.381	1.716	.04474536
51	2.429	1.750	.04134724
52	2.476	1.784	.03814239
53	2.524	1.819	.03513053
54	2.571	1.853	.03229846
55	2.619	1.887	.02964481
56	2.667	1.922	.02715904
57	2.714	1.956	.02483569
58	2.762	1.990	.02267108
59	2.810	2.024	.02065413
60	2.857	2.059	.01878053
61	2.905	2.093	.01704184
62	2.952	2.127	.01543338
63	3.000	2.162	.01394545
64	3.048	2.196	.01257678
65	3.095	2.230	.01131506
66	3.143	2.265	.01015869
67	3.190	2.299	.00909786
68	3.238	2.333	.00813018
69	3.286	2.368	.00724571
70	3.333	2.402	.00644377
71	3.381	2.436	.00571394
72	3.429	2.471	.00505495
73	3.476	2.505	.00445878
74	3.524	2.539	.00392330
75	3.571	2.573	.00344103
76	3.619	2.608	.00301063
77	3.667	2.642	.00262507
78	3.714	2.676	.00228264
79	3.762	2.711	.00197796
80	3.810	2.745	.00170906
81	3.857	2.779	.00147118
82	3.905	2.814	.00126264
83	3.952	2.848	.00107927

M= 7 , N= 7

0	0.0	0.0	.50554981
1	0.036	0.028	.49465138
2	0.071	0.055	.48397166
3	0.107	0.083	.47328776
4	0.143	0.111	.46264040
5	0.179	0.138	.45199865
6	0.214	0.166	.44140404
7	0.250	0.194	.43083775
8	0.286	0.221	.42032737
9	0.321	0.249	.40985632
10	0.357	0.277	.39946324
11	0.393	0.304	.38911837
12	0.429	0.332	.37886041
13	0.464	0.360	.36867064
14	0.500	0.387	.35857713
15	0.536	0.415	.34856105
16	0.571	0.443	.33865929
17	0.607	0.470	.32884526
18	0.643	0.498	.31915277
19	0.679	0.526	.30956548
20	0.714	0.553	.30010682
21	0.750	0.581	.29076076
22	0.786	0.609	.28155690
23	0.821	0.636	.27247512
24	0.857	0.664	.26354128
25	0.893	0.692	.25474203
26	0.929	0.719	.24609619
27	0.964	0.747	.23759156
28	1.000	0.775	.22925055
29	1.036	0.802	.22105408
30	1.071	0.830	.21302569
31	1.107	0.858	.20515281
32	1.143	0.885	.19744986
33	1.179	0.913	.18990666
34	1.214	0.941	.18253899
35	1.250	0.968	.17533398
36	1.286	0.996	.16830397
37	1.321	1.024	.16144305

38	1.357	1.051	.15475875
39	1.393	1.079	.14824426
40	1.429	1.107	.14190781
41	1.464	1.134	.13574207
42	1.500	1.162	.12975264
43	1.536	1.190	.12393367
44	1.571	1.217	.11829072
45	1.607	1.245	.11281818
46	1.643	1.273	.10751867
47	1.679	1.300	.10238796
48	1.714	1.328	.09742665
49	1.750	1.356	.09263176
50	1.786	1.383	.08800197
51	1.821	1.411	.08353609
52	1.857	1.439	.07923132
53	1.893	1.466	.07508588
54	1.929	1.494	.07109660
55	1.964	1.522	.06726158
56	2.000	1.549	.06357777
57	2.036	1.577	.06004231
58	2.071	1.605	.05665211
59	2.107	1.632	.05340564
60	2.143	1.660	.05029771
61	2.179	1.688	.04732674
62	2.214	1.715	.04448806
63	2.250	1.743	.04177981
64	2.286	1.771	.03919647
65	2.321	1.798	.03673742
66	2.357	1.826	.03439683
67	2.393	1.853	.03217273
68	2.429	1.881	.03006029
69	2.464	1.909	.02805709
70	2.500	1.936	.02615817
71	2.536	1.964	.02436160
72	2.571	1.992	.02266244
73	2.607	2.019	.02105834
74	2.643	2.047	.01954460
75	2.679	2.075	.01811877
76	2.714	2.102	.01677615
77	2.750	2.130	.01551472
78	2.786	2.158	.01432968
79	2.821	2.185	.01321895
80	2.857	2.213	.01217835
81	2.893	2.241	.01120527
82	2.929	2.268	.01029585
83	2.964	2.296	.00944779
84	3.000	2.324	.00865730
85	3.036	2.351	.00792195
86	3.071	2.379	.00723859
87	3.107	2.407	.00660475
88	3.143	2.434	.00601726
89	3.179	2.462	.00547394
90	3.214	2.490	.00497184
91	3.250	2.517	.00450883
92	3.286	2.545	.00408225
93	3.321	2.573	.00369017
94	3.357	2.600	.00333015
95	3.393	2.628	.00300023
96	3.429	2.656	.00269827
97	3.464	2.683	.00242247
98	3.500	2.711	.00217092
99	3.536	2.739	.00194195
100	3.571	2.766	.00173392
101	3.607	2.794	.00154523
102	3.643	2.822	.00137439
103	3.679	2.849	.00122002
104	3.714	2.877	.00108078

M= 7 , N= 8

0	0.0	0.0	.50444949
1	0.028	0.023	.49555188
2	0.056	0.046	.48666698
3	0.083	0.069	.47777826
4	0.111	0.092	.46890944
5	0.139	0.115	.46004528
6	0.167	0.138	.45121032
7	0.194	0.160	.44238752
8	0.222	0.183	.43360221
9	0.250	0.206	.42483729
10	0.278	0.229	.41611695
11	0.306	0.252	.40742630
12	0.333	0.275	.39878803
13	0.361	0.298	.39018583
14	0.389	0.321	.38164437
15	0.417	0.344	.37314779
16	0.444	0.367	.36471760
17	0.472	0.390	.35633957
18	0.500	0.413	.34803587
19	0.528	0.435	.33979106
20	0.556	0.458	.33162701
21	0.583	0.481	.32352877
22	0.611	0.504	.31551707
23	0.639	0.527	.30757833
24	0.667	0.550	.29973179
25	0.694	0.573	.29196346
26	0.722	0.596	.28429335
27	0.750	0.619	.27670771
28	0.778	0.642	.26922411
29	0.806	0.665	.26183045
30	0.833	0.688	.25454366

31	0.861	0.710	.24735141
32	0.889	0.733	.24026996
33	0.917	0.756	.23328733
34	0.944	0.779	.22641885
35	0.972	0.802	.21965349
36	1.000	0.825	.21300536
37	1.028	0.848	.20646292
38	1.056	0.871	.20004034
39	1.083	0.894	.19372702
40	1.111	0.917	.18753505
41	1.139	0.940	.18145460
42	1.167	0.963	.17549723
43	1.194	0.985	.16965365
44	1.222	1.008	.16393375
45	1.250	1.031	.15832865
46	1.278	1.054	.15284801
47	1.306	1.077	.14748347
48	1.333	1.100	.14224327
49	1.361	1.123	.13711953
50	1.389	1.146	.13211989
51	1.417	1.169	.12723666
52	1.444	1.192	.12247658
53	1.472	1.215	.11783248
54	1.500	1.238	.11331028
55	1.528	1.260	.10890353
56	1.556	1.283	.10461688
57	1.583	1.306	.10044444
58	1.611	1.329	.09639007
59	1.639	1.352	.09244823
60	1.667	1.375	.08862209
61	1.694	1.398	.08490658
62	1.722	1.421	.08130413
63	1.750	1.444	.07781005
64	1.778	1.467	.07442617
65	1.806	1.490	.07114798
66	1.833	1.513	.06797665
67	1.861	1.535	.06490833
68	1.889	1.558	.06194341
69	1.917	1.581	.05907827
70	1.944	1.604	.05631305
71	1.972	1.627	.05364436
72	2.000	1.650	.05107168
73	2.028	1.673	.04859202
74	2.056	1.696	.04620447
75	2.083	1.719	.04390628
76	2.111	1.742	.04169626
77	2.139	1.765	.03957174
78	2.167	1.788	.03753130
79	2.194	1.810	.03557253
80	2.222	1.833	.03369365
81	2.250	1.856	.03189245
82	2.278	1.879	.03016701
83	2.306	1.902	.02851525
84	2.333	1.925	.02693509
85	2.361	1.948	.02542462
86	2.389	1.971	.02398157
87	2.417	1.994	.02260417
88	2.444	2.017	.02129014
89	2.472	2.040	.02003775
90	2.500	2.063	.01884468
91	2.528	2.085	.01770937
92	2.556	2.108	.01662945
93	2.583	2.131	.01560336
94	2.611	2.154	.01462881
95	2.639	2.177	.01370433
96	2.667	2.200	.01282765
97	2.694	2.223	.01199738
98	2.722	2.246	.01121129
99	2.750	2.269	.01046808
100	2.778	2.292	.00976558
101	2.806	2.315	.00910248
102	2.833	2.338	.00847678
103	2.861	2.360	.00788722
104	2.889	2.383	.00733188
105	2.917	2.406	.00680955
106	2.944	2.429	.00631842
107	2.972	2.452	.00585733
108	3.000	2.475	.00542458
109	3.028	2.498	.00501905
110	3.056	2.521	.00463916
111	3.083	2.544	.00428388
112	3.111	2.567	.00395170
113	3.139	2.590	.00364165
114	3.167	2.613	.00335236
115	3.194	2.636	.00308287
116	3.222	2.658	.00283194
117	3.250	2.681	.00259868
118	3.278	2.704	.00239195
119	3.306	2.727	.00219092
120	3.333	2.750	.00199454
121	3.361	2.773	.00182204
122	3.389	2.796	.00166248
123	3.417	2.819	.00151513
124	3.444	2.842	.00137915
125	3.472	2.865	.00125387
126	3.500	2.888	.00113854
127	3.528	2.911	.00103255

M= 7 , N= 9

0	0.0	0.0	.50377399

1	0.022	0.019	.49622756
2	0.044	0.039	.48868114
3	0.067	0.058	.48114008
4	0.089	0.078	.47360361
5	0.111	0.097	.46607798
6	0.133	0.116	.45856231
7	0.156	0.136	.45106190
8	0.178	0.155	.44357675
9	0.200	0.175	.43611234
10	0.222	0.194	.42866760
11	0.244	0.213	.42124867
12	0.267	0.233	.41385472
13	0.289	0.252	.40649092
14	0.311	0.271	.39915717
15	0.333	0.291	.39185846
16	0.356	0.310	.38459408
17	0.378	0.330	.37736970
18	0.400	0.349	.37018448
19	0.422	0.368	.36304307
20	0.444	0.388	.35594553
21	0.467	0.407	.34889650
22	0.489	0.427	.34189498
23	0.511	0.446	.33494633
24	0.533	0.465	.32804966
25	0.556	0.485	.32120925
26	0.578	0.504	.31442499
27	0.600	0.524	.30770093
28	0.622	0.543	.30103624
29	0.644	0.562	.29443550
30	0.667	0.582	.28789788
31	0.689	0.601	.28142703
32	0.711	0.620	.27502280
33	0.733	0.640	.26868868
34	0.756	0.659	.26242375
35	0.778	0.679	.25623190
36	0.800	0.698	.25011230
37	0.822	0.717	.24406791
38	0.844	0.737	.23809856
39	0.867	0.756	.23220688
40	0.889	0.776	.22639227
41	0.911	0.795	.22065753
42	0.933	0.814	.21500200
43	0.956	0.834	.20942783
44	0.978	0.853	.20393485
45	1.000	0.873	.19852495
46	1.022	0.892	.19319743
47	1.044	0.911	.18795443
48	1.067	0.931	.18279523
49	1.089	0.950	.17772132
50	1.111	0.969	.17273223
51	1.133	0.989	.16782939
52	1.156	1.008	.16301203
53	1.178	1.028	.15828145
54	1.200	1.047	.15363693
55	1.222	1.066	.14907920
56	1.244	1.086	.14460796
57	1.267	1.105	.14022368
58	1.289	1.125	.13592565
59	1.311	1.144	.13171452
60	1.333	1.163	.12758952
61	1.356	1.183	.12355083
62	1.378	1.202	.11959785
63	1.400	1.222	.11573064
64	1.422	1.241	.11194837
65	1.444	1.260	.10825109
66	1.467	1.280	.10463792
67	1.489	1.299	.10110861
68	1.511	1.318	.09766239
69	1.533	1.338	.09429884
70	1.556	1.357	.09101713
71	1.578	1.377	.08781666
72	1.600	1.396	.08469665
73	1.622	1.415	.08165634
74	1.644	1.435	.07869488
75	1.667	1.454	.07581145
76	1.689	1.474	.07300508
77	1.711	1.493	.07027495
78	1.733	1.512	.06762004
79	1.756	1.532	.06503934
80	1.778	1.551	.06253195
81	1.800	1.571	.06009676
82	1.822	1.590	.05773271
83	1.844	1.609	.05543865
84	1.867	1.629	.05321360
85	1.889	1.648	.05105631
86	1.911	1.667	.04896574
87	1.933	1.687	.04694061
88	1.956	1.706	.04497989
89	1.978	1.726	.04308223
90	2.000	1.745	.04124657
91	2.022	1.764	.03947156
92	2.044	1.784	.03775613
93	2.067	1.803	.03609889
94	2.089	1.823	.03449876
95	2.111	1.842	.03295435
96	2.133	1.861	.03146456
97	2.156	1.881	.03002803
98	2.178	1.900	.02864361
99	2.200	1.920	.02730994
100	2.222	1.939	.02602594
101	2.244	1.958	.02479020
102	2.267	1.978	.02360163

103	2.289	1.997	.02245890
104	2.311	2.016	.02136087
105	2.333	2.036	.02030624
106	2.356	2.055	.01929392
107	2.378	2.075	.01832259
108	2.400	2.094	.01739120
109	2.422	2.113	.01649847
110	2.444	2.133	.01564332
111	2.467	2.152	.01482453
112	2.489	2.172	.01404107
113	2.511	2.191	.01329173
114	2.533	2.210	.01257548
115	2.556	2.230	.01189119
116	2.578	2.249	.01123786
117	2.600	2.269	.01061437
118	2.622	2.288	.01001975
119	2.644	2.307	.00945294
120	2.667	2.327	.00891299
121	2.689	2.346	.00839891
122	2.711	2.365	.00790976
123	2.733	2.385	.00744459
124	2.756	2.404	.00700252
125	2.778	2.424	.00658263
126	2.800	2.443	.00618407
127	2.822	2.462	.00580597
128	2.844	2.482	.00544753
129	2.867	2.501	.00510792
130	2.889	2.521	.00478636
131	2.911	2.540	.00448212
132	2.933	2.559	.00419442
133	2.956	2.579	.00392255
134	2.978	2.598	.00366581
135	3.000	2.618	.00342352
136	3.022	2.637	.00319503
137	3.044	2.656	.00297969
138	3.067	2.676	.00277689
139	3.089	2.695	.00258604
140	3.111	2.714	.00240656
141	3.133	2.734	.00223789
142	3.156	2.753	.00207950
143	3.178	2.773	.00193087
144	3.200	2.792	.00179150
145	3.222	2.811	.00166092
146	3.244	2.831	.00153866
147	3.267	2.850	.00142428
148	3.289	2.870	.00131736
149	3.311	2.889	.00121748
150	3.333	2.908	.00112427
151	3.356	2.928	.00103734

M= 7 , N=10

0	0.0	0.0	.50325543
1	0.018	0.017	.49674630
2	0.036	0.033	.49023688
3	0.055	0.050	.48373109
4	0.073	0.067	.47722834
5	0.091	0.083	.47073245
6	0.109	0.100	.46424282
7	0.127	0.117	.45776349
8	0.145	0.133	.45129371
9	0.164	0.150	.44483733
10	0.182	0.167	.43839383
11	0.200	0.184	.43196696
12	0.218	0.200	.42555618
13	0.236	0.217	.41916525
14	0.255	0.234	.41279352
15	0.273	0.250	.40644467
16	0.291	0.267	.40011829
17	0.309	0.284	.39381778
18	0.327	0.300	.38754272
19	0.345	0.317	.38129663
20	0.364	0.334	.37507886
21	0.382	0.350	.36889297
22	0.400	0.367	.36273837
23	0.418	0.384	.35661846
24	0.436	0.400	.35053259
25	0.455	0.417	.34448409
26	0.473	0.434	.33847243
27	0.491	0.450	.33250070
28	0.509	0.467	.32656842
29	0.527	0.484	.32067865
30	0.545	0.500	.31483072
31	0.564	0.517	.30902773
32	0.582	0.534	.30326903
33	0.600	0.551	.29755747
34	0.618	0.567	.29189247
35	0.636	0.584	.28627682
36	0.655	0.601	.28070980
37	0.673	0.617	.27519417
38	0.691	0.634	.26972920
39	0.709	0.651	.26431745
40	0.727	0.667	.25895828
41	0.745	0.684	.25365412
42	0.764	0.701	.24840420
43	0.782	0.717	.24321097
44	0.800	0.734	.23807353
45	0.818	0.751	.23299420
46	0.836	0.767	.22797227
47	0.855	0.784	.22300971
48	0.873	0.801	.21810579
49	0.891	0.817	.21326250
50	0.909	0.834	.20847905

51	0.927	0.851	.20375717
52	0.945	0.867	.19909620
53	0.964	0.884	.19449776
54	0.982	0.901	.18996102
55	1.000	0.918	.18548757
56	1.018	0.934	.18107659
57	1.036	0.951	.17672950
58	1.055	0.968	.17244548
59	1.073	0.984	.16822577
60	1.091	1.001	.16406965
61	1.109	1.018	.15997815
62	1.127	1.034	.15595049
63	1.145	1.051	.15198761
64	1.164	1.068	.14808887
65	1.182	1.084	.14425492
66	1.200	1.101	.14048511
67	1.218	1.118	.13678008
68	1.236	1.134	.13313901
69	1.255	1.151	.12956262
70	1.273	1.168	.12604994
71	1.291	1.184	.12260151
72	1.309	1.201	.11921656
73	1.327	1.218	.11589539
74	1.345	1.234	.11263722
75	1.364	1.251	.10944235
76	1.382	1.268	.10630983
77	1.400	1.285	.10323995
78	1.418	1.301	.10023183
79	1.436	1.318	.09728545
80	1.455	1.335	.09440011
81	1.473	1.351	.09157568
82	1.491	1.368	.08881134
83	1.509	1.385	.08610702
84	1.527	1.401	.08346182
85	1.545	1.418	.08087558
86	1.564	1.435	.07834738
87	1.582	1.451	.07587701
88	1.600	1.468	.07346356
89	1.618	1.485	.07110679
90	1.636	1.501	.06880575
91	1.655	1.518	.06656009
92	1.673	1.535	.06436890
93	1.691	1.551	.06223174
94	1.709	1.568	.06014774
95	1.727	1.585	.05811638
96	1.745	1.601	.05613682
97	1.764	1.618	.05420847
98	1.782	1.635	.05233050
99	1.800	1.652	.05050226
100	1.818	1.668	.04872293
101	1.836	1.685	.04699184
102	1.855	1.702	.04530815
103	1.873	1.718	.04367117
104	1.891	1.735	.04208007
105	1.909	1.752	.04053411
106	1.927	1.768	.03903247
107	1.945	1.785	.03757441
108	1.964	1.802	.03615911
109	1.982	1.818	.03478579
110	2.000	1.835	.03345365
111	2.018	1.852	.03216189
112	2.036	1.868	.03090973
113	2.055	1.885	.02969637
114	2.073	1.902	.02852101
115	2.091	1.918	.02738285
116	2.109	1.935	.02628113
117	2.127	1.952	.02521501
118	2.145	1.968	.02418375
119	2.164	1.985	.02318655
120	2.182	2.002	.02222263
121	2.200	2.019	.02129120
122	2.218	2.035	.02039154
123	2.236	2.052	.01952282
124	2.255	2.069	.01868435
125	2.273	2.085	.01787532
126	2.291	2.102	.01709503
127	2.309	2.119	.01634271
128	2.327	2.135	.01561766
129	2.345	2.152	.01491912
130	2.364	2.169	.01424643
131	2.382	2.185	.01359885
132	2.400	2.202	.01297568
133	2.418	2.219	.01237624
134	2.436	2.235	.01179987
135	2.455	2.252	.01124588
136	2.473	2.269	.01071364
137	2.491	2.285	.01020247
138	2.509	2.302	.00971176
139	2.527	2.319	.00924086
140	2.545	2.335	.00878919
141	2.564	2.352	.00835611
142	2.582	2.369	.00794106
143	2.600	2.386	.00754341
144	2.618	2.402	.00716265
145	2.636	2.419	.00679817
146	2.655	2.436	.00644946
147	2.673	2.452	.00611596
148	2.691	2.469	.00579716
149	2.709	2.486	.00549252
150	2.727	2.502	.00520157
151	2.745	2.519	.00492381
152	2.764	2.536	.00465876

153	2.782	2.552	.00440595
154	2.800	2.569	.00416493
155	2.818	2.586	.00393526
156	2.836	2.602	.00371650
157	2.855	2.619	.00350823
158	2.873	2.636	.00331005
159	2.891	2.652	.00312155
160	2.909	2.669	.00294235
161	2.927	2.686	.00277207
162	2.945	2.703	.00261036
163	2.964	2.719	.00245684
164	2.982	2.736	.00231119
165	3.000	2.753	.00217306
166	3.018	2.769	.00204214
167	3.036	2.786	.00191811
168	3.055	2.803	.00180067
169	3.073	2.819	.00168953
170	3.091	2.836	.00158441
171	3.109	2.853	.00148502
172	3.127	2.869	.00139112
173	3.145	2.886	.00130245
174	3.164	2.903	.00121875
175	3.182	2.919	.00113980
176	3.200	2.936	.00106537

Table A5: Critical values for W_A^*

M=3 α	.10	.05	.025	.01	.005	.001
n						
2	1.581	1.897	-	-	-	-
3	1.512	1.890	1.890	2.268	2.268	-
4	1.420	1.807	1.936	2.324	2.324	2.582
5	1.430	1.716	2.002	2.288	2.384	2.670
6	1.408	1.705	2.001	2.298	2.446	2.743
7	1.375	1.733	1.972	2.271	2.450	2.809
8	1.337	1.683	1.980	2.277	2.475	2.822
9	1.340	1.675	1.969	2.304	2.471	2.848
10	1.333	1.694	1.982	2.306	2.487	2.883
11	1.320	1.666	1.980	2.295	2.515	2.892
12	1.331	1.664	1.969	2.302	2.524	2.912
13	1.310	1.680	1.977	2.298	2.520	2.940
14	1.309	1.665	1.975	2.308	2.530	2.952
15	1.305	1.667	1.968	2.309	2.530	2.952
16	1.316	1.664	1.974	2.304	2.523	2.962
17	1.305	1.657	1.958	2.310	2.527	2.962
18	1.309	1.663	1.971	2.310	2.525	2.972
19	1.309	1.665	1.963	2.305	2.533	2.988
20	1.307	1.663	1.967	2.310	2.534	2.983
∞	1.282	1.645	1.960	2.326	2.576	3.090
M=4						
2	1.470	1.960	1.960	2.205	-	-
3	1.464	1.757	2.049	2.196	2.342	2.635
4	1.400	1.700	2.000	2.300	2.400	2.700
5	1.403	1.699	1.994	2.290	2.437	2.733
6	1.378	1.723	2.010	2.297	2.469	2.813
7	1.342	1.713	1.991	2.268	2.500	2.870
8	1.342	1.687	1.994	2.301	2.493	2.876
9	1.330	1.687	1.979	2.304	2.498	2.888
10	1.340	1.675	1.982	2.289	2.512	2.931
11	1.315	1.680	1.972	2.289	2.508	2.946
12	1.310	1.676	1.976	2.299	2.514	2.943
13	1.321	1.665	1.971	2.797	2.526	2.967
14	1.307	1.668	1.960	2.304	2.527	2.974
15	1.307	1.664	1.960	2.302	2.535	2.971
16	1.303	1.657	1.968	2.308	2.535	2.988
17	1.309	1.659	1.958	2.308	2.541	2.995
18	1.300	1.658	1.968	2.314	2.540	2.994
19	1.300	1.653	1.962	2.303	2.535	2.998
20	1.298	1.656	1.963	2.311	2.546	3.006
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=5

n \ α	.10	.05	.025	.01	.005	.001
2	1.600	1.800	2.000	2.200	2.400	-
3	1.434	1.793	2.032	2.271	2.390	2.749
4	1.388	1.715	1.960	2.286	2.449	2.776
5	1.387	1.688	1.990	2.291	2.472	2.834
6	1.360	1.688	1.969	2.297	2.485	2.860
7	1.323	1.701	1.965	2.306	2.495	2.873
8	1.346	1.691	1.973	2.286	2.505	2.912
9	1.325	1.669	1.960	2.305	2.517	2.914
10	1.322	1.664	1.960	2.302	2.507	2.940
11	1.312	1.670	1.968	2.306	2.525	2.962
12	1.316	1.666	1.965	2.298	2.526	2.964
13	1.313	1.656	1.969	2.297	2.532	2.969
14	1.305	1.656	1.965	2.302	2.527	2.976
15	1.308	1.664	1.969	2.311	2.540	2.985
16	1.307	1.653	1.966	2.312	2.532	2.995
17	1.302	1.662	1.958	2.308	2.540	2.996
18	1.295	1.655	1.957	2.308	2.542	3.009
19	1.296	1.656	1.962	2.313	2.547	3.005
20	1.294	1.653	1.962	2.312	2.546	3.014
∞	1.282	1.645	1.960	2.325	2.576	3.090

M=6

2	1.521	1.690	2.028	2.197	2.366	-
3	1.414	1.717	2.020	2.222	2.424	2.727
4	1.380	1.725	2.001	2.277	2.415	2.760
5	1.376	1.682	1.988	2.293	2.446	2.854
6	1.347	1.704	1.981	2.298	2.496	2.853
7	1.342	1.693	1.981	2.300	2.492	2.907
8	1.323	1.667	1.958	2.302	2.514	2.911
9	1.321	1.679	1.970	2.306	2.508	2.933
10	1.310	1.676	1.965	2.292	2.523	2.947
11	1.311	1.663	1.966	2.302	2.520	2.957
12	1.305	1.660	1.957	2.298	2.535	2.980
13	1.308	1.664	1.968	2.311	2.536	2.985
14	1.305	1.661	1.957	2.302	2.539	2.990
15	1.299	1.653	1.964	2.308	2.533	2.995
16	1.300	1.661	1.964	2.306	2.541	3.000
17	1.297	1.655	1.959	2.308	2.541	3.006
18	1.300	1.654	1.959	2.313	2.543	3.012
19	1.293	1.658	1.962	2.312	2.548	3.019
20	1.298	1.651	1.961	2.314	2.547	3.020
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=7

n \ α	.10	.05	.025	.01	.005	.001
2	1.464	1.757	2.049	2.196	2.342	2.635
3	1.400	1.750	2.012	2.275	2.449	2.712
4	1.375	1.733	1.972	2.271	2.450	2.809
5	1.368	1.677	1.986	2.295	2.472	2.825
6	1.338	1.681	1.956	2.299	2.505	2.882
7	1.328	1.688	1.964	2.296	2.490	2.905
8	1.329	1.673	1.971	2.292	2.521	2.933
9	1.318	1.667	1.958	2.307	2.521	2.947
10	1.318	1.668	1.968	2.302	2.519	2.953
11	1.310	1.659	1.964	2.299	2.532	2.968
12	1.310	1.656	1.964	2.298	2.529	2.979
13	1.304	1.658	1.967	2.310	2.539	2.985
14	1.305	1.654	1.962	2.312	2.538	3.000
15	1.301	1.655	1.961	2.305	2.538	3.002
16	1.295	1.659	1.963	2.310	2.539	3.004
17	1.294	1.658	1.960	2.309	2.541	3.014
18	1.297	1.654	1.960	2.309	2.545	3.015
19	1.297	1.653	1.963	2.312	2.549	3.023
20	1.295	1.650	1.961	2.310	2.548	3.024
∞	1.282	1.645	1.960	2.326	2.576	3.090

Table A6: Maximum error in the normal approximation to W_A^*

n \ m	3	4	5	6	7
11	.15	.12	.11	.095	.092
12	.12	.11	.093	.089	.083
13	.12	.097	.085	.081	.076
14	.10	.091	.079	.075	.070
15	.097	.083	.076	.068	.066
16	.095	.079	.071	.065	.062
17	.090	.074	.065	.061	.058
18	.084	.071	.063	.057	.054
19	.078	.067	.059	.055	.051
20	.075	.062	.055	.052	.049

TABLES OF AVERAGE FOOTRULE CORRELATIONS

Table B1 (pages 65 to 72): Exact distribution of G_F^*

The columns are: (1) nG_F (a convenient integer)

(2) G_F

(3) G_F^*

(4) Exact P-value

Table B2 (pages 73 to 75): Critical values of G_F^*

Table B3 (page 76): Maximum error in the normal approximation to G_F^*

Table B4 (pages 77 to 101): Exact distribution of W_F^*

The columns are: (1) $\frac{n(n+1)}{2} W_F$ (a convenient integer)

(2) W_F

(3) W_F^*

(4) Exact P-value

Table B5 (pages 102 to 104): Critical values of W_F^*

Table B6 (page 105): Maximum error in the normal approximation to W_F^*

Table B1

M= 3 , N= 2

4	2.000	0.632	.41666996
2	1.000	1.581	.13889110
0	0.0	2.530	.02777889

M= 3 , N= 3

8	2.667	0.0	.62500244
6	2.000	0.775	.33333665
4	1.333	1.549	.12963235
2	0.667	2.324	.03240852
0	0.0	3.098	.00462991

M= 3 , N= 4

10	2.500	0.224	.52083665
8	2.000	0.894	.28009647
6	1.500	1.565	.11497182
4	1.000	2.236	.03472352
2	0.500	2.907	.00694481

M= 3 , N= 5

12	2.400	0.400	.44213378
10	2.000	1.000	.23765832
8	1.600	1.600	.10236895
6	1.200	2.200	.03420915
4	0.800	2.800	.00848811
2	0.400	3.400	.00141471

M= 3 , N= 6

16	2.667	0.0	.58970284
14	2.333	0.548	.37847680
12	2.000	1.095	.20409358
10	1.667	1.643	.09083772
8	1.333	2.191	.03270884
6	1.000	2.739	.00923834
4	0.667	3.286	.00195059

M= 3 , N= 7

18	2.571	0.169	.51688343
16	2.286	0.676	.32649022
14	2.000	1.183	.17653012
12	1.714	1.690	.08064961
10	1.429	2.197	.03066193
8	1.143	2.704	.00950629
6	0.857	3.212	.00232927

M= 3 , N= 8

20	2.500	0.316	.45398211
18	2.250	0.791	.28324300
16	2.000	1.265	.15358371
14	1.750	1.739	.07163614
12	1.500	2.214	.02841556
10	1.250	2.688	.00944379
8	1.000	3.162	.00257518

M= 3 , N= 9

24	2.667	0.0	.57393426
22	2.444	0.447	.39952004
20	2.222	0.894	.24687046
18	2.000	1.342	.13422024
16	1.778	1.789	.06368405
14	1.556	2.236	.02613326
12	1.333	2.683	.00917151
10	1.111	3.130	.00271134

M= 3 , N=10

26	2.600	0.141	.51440883
24	2.400	0.566	.35226488
22	2.200	0.990	.21598744
20	2.000	1.414	.11772758
18	1.800	1.838	.05666494
16	1.600	2.263	.02391098
14	1.400	2.687	.00876844
12	1.200	3.111	.00276275

M= 4 , N= 2

10	5.000	0.0	.60937166
8	4.000	0.679	.34895915
6	3.000	1.359	.15625328
4	2.000	2.038	.05208583
2	1.000	2.717	.01215389
0	0.0	3.397	.00173639

M= 4 , N= 3

14	4.667	0.277	.48104650
12	4.000	0.832	.28052860
10	3.333	1.387	.13614309
8	2.667	1.941	.05411126
6	2.000	2.496	.01721775
4	1.333	3.051	.00419609

M= 4 , N= 4

20	5.000	0.0	.57928944
18	4.500	0.480	.39154482
16	4.000	0.961	.23106503
14	3.500	1.441	.11798018
12	3.000	1.922	.05164563
10	2.500	2.402	.01915284
8	2.000	2.882	.00591424
6	1.500	3.363	.00148012

M= 4 , N= 5

24	4.800	0.215	.48600382
22	4.400	0.645	.32447195
20	4.000	1.074	.19332486
18	3.600	1.504	.10216820
16	3.200	1.934	.04760701
14	2.800	2.363	.01942259
12	2.400	2.793	.00687390
10	2.000	3.223	.00208300

M= 4 , N= 6

30	5.000	0.0	.56524920
28	4.667	0.392	.41088426
26	4.333	0.784	.27219057
24	4.000	1.177	.16344362
22	3.667	1.569	.08857453
20	3.333	1.961	.04314108
18	3.000	2.353	.01879790
16	2.667	2.746	.00728594
14	2.333	3.138	.00249327

M= 4 , N= 7

34	4.857	0.182	.48857996
32	4.571	0.545	.34955359
30	4.286	0.908	.23055
28	4.000	1.271	.13922
26	3.714	1.634	.07691723
24	3.429	1.997	.03872860
22	3.143	2.360	.01771391
20	2.857	2.724	.00733170
18	2.571	3.087	.00273289

M= 4 , N= 8

40	5.000	0.0	.55671847
38	4.750	0.340	.42257655
36	4.500	0.679	.29890132
34	4.250	1.019	.19625819
32	4.000	1.359	.11926442
30	3.750	1.698	.06691080
28	3.500	2.038	.03457627
26	3.250	2.378	.01641753
24	3.000	2.717	.00714322
22	2.750	3.057	.00283860
20	2.500	3.397	.00102602

M= 4 , N= 9

44	4.889	0.160	.48984987
42	4.667	0.480	.36626428
40	4.444	0.801	.25667274
38	4.222	1.121	.16808826
36	4.000	1.441	.10262656
34	3.778	1.761	.05850377
32	3.556	2.082	.03076526
30	3.333	2.402	.01505036
28	3.111	2.722	.00681186
26	2.889	3.042	.00284562
24	2.667	3.363	.00109402

M= 4 , N=10

50	5.000	0.0	.55084217
48	4.800	0.304	.43061662
46	4.600	0.608	.31800920
44	4.400	0.911	.22119409
42	4.200	1.215	.14457339
40	4.000	1.519	.08863020
38	3.800	1.823	.05088285
36	3.600	2.127	.02751663
34	3.400	2.431	.01369349
32	3.200	2.734	.00639948
30	3.000	3.038	.00278313
28	2.800	3.342	.00112397

M= 5 , N= 2

16	8.000	0.0	.58499181
14	7.000	0.513	.38658643
12	6.000	1.026	.21880817
10	5.000	1.539	.10436547
8	4.000	2.052	.04159078
6	3.000	2.565	.01339955
4	2.000	3.078	.00340156

M= 5 , N= 3

24	8.000	0.0	.56936562
22	7.333	0.419	.40602374
20	6.667	0.838	.26059288
18	6.000	1.257	.14930993
16	5.333	1.675	.07588941
14	4.667	2.094	.03396052
12	4.000	2.513	.01326879
10	3.333	2.932	.00447192
8	2.667	3.351	.00127839

M= 5 , N= 4

32	8.000	0.0	.56024426
30	7.500	0.363	.41801471
28	7.000	0.725	.28793263
26	6.500	1.088	.18212879
24	6.000	1.451	.10533512
22	5.500	1.814	.05548099
20	5.000	2.176	.02650585
18	4.500	2.539	.01143318
16	4.000	2.902	.00442781
14	3.500	3.265	.00152837

M= 5 , N= 5

40	8.000	0.0	.55398917
38	7.600	0.324	.42634451
36	7.200	0.649	.30763340
34	6.800	0.973	.20730907
32	6.400	1.298	.13005531
30	6.000	1.622	.07574761
28	5.600	1.947	.04085413
26	5.200	2.271	.02035224
24	4.800	2.596	.00933859
22	4.400	2.920	.00397397
20	4.000	3.244	.00151550

M= 5 , N= 6

48	8.000	0.0	.54935169
46	7.667	0.296	.43256176
44	7.333	0.592	.32269698
42	7.000	0.889	.22737718
40	6.667	1.185	.15094185
38	6.333	1.481	.09420305
36	6.000	1.777	.05517010
34	5.667	2.073	.03026675
32	5.333	2.369	.01552706
30	5.000	2.666	.00743465
28	4.667	2.962	.00331566
26	4.333	3.258	.00137391

M= 5 , N= 7

56	8.000	0.0	.54573524
54	7.714	0.274	.43743074
52	7.429	0.548	.33469731
50	7.143	0.823	.24384111
48	6.857	1.097	.16879952
46	6.571	1.371	.11083961
44	6.286	1.645	.06893402
42	6.000	1.919	.04055172
40	5.714	2.194	.02253582
38	5.429	2.468	.01181621
36	5.143	2.742	.00583776
34	4.857	3.016	.00271361
32	4.571	3.290	.00118486

M= 5 , N= 8

64	8.000	0.0	.54281235
62	7.750	0.256	.44137722
60	7.500	0.513	.34454930
58	7.250	0.769	.25765747
56	7.000	1.026	.18425441
54	6.750	1.282	.12581742
52	6.500	1.539	.08193552
50	6.250	1.795	.05083235
48	6.000	2.052	.03001338
46	5.750	2.308	.01684947
44	5.500	2.565	.00898553
42	5.250	2.821	.00454738

40	5.000	3.078	.00218161

M= 5 , N= 9

72	8.000	0.0	.54038626
70	7.778	0.242	.44465989
68	7.556	0.484	.35282594
66	7.333	0.725	.26946372
64	7.111	0.967	.19778031
62	6.889	1.209	.13933361
60	6.667	1.451	.09411365
58	6.444	1.693	.06089359
56	6.222	1.935	.03770987
54	6.000	2.176	.02233439
52	5.778	2.418	.01264189
50	5.556	2.660	.00683366
48	5.333	2.902	.00352510
46	5.111	3.144	.00173387

M= 5 , N=10

80	8.000	0.0	.53833038
78	7.800	0.229	.44744599
76	7.600	0.459	.35990679
74	7.400	0.688	.27970243
72	7.200	0.918	.20973653
70	7.000	1.147	.15157741
68	6.800	1.376	.10547894
66	6.600	1.606	.07061803
64	6.400	1.835	.04545433
62	6.200	2.065	.02811041
60	6.000	2.294	.01669294
58	5.800	2.524	.00951311
56	5.600	2.753	.00519980
54	5.400	2.982	.00272439
52	5.200	3.212	.00136740

M= 6 , N= 2

22	11.000	0.269	.46084398
20	10.000	0.672	.31355911
18	9.000	1.076	.19245541
16	8.000	1.479	.10550416
14	7.000	1.883	.05120874
12	6.000	2.286	.02180611
10	5.000	2.689	.00805130
8	4.000	3.093	.00253447

M= 6 , N= 3

34	11.333	0.165	.48928428
32	10.667	0.494	.36580261
30	10.000	0.823	.25272316
28	9.333	1.153	.16329306
26	8.667	1.482	.09772831
24	8.000	1.812	.05395583
22	7.333	2.141	.02736748
20	6.667	2.470	.01269701
18	6.000	2.800	.00556133
16	5.333	3.129	.00204814

M= 6 , N= 4

46	11.500	0.095	.50945860
44	11.000	0.380	.39862925
42	10.500	0.666	.29646933
40	10.000	0.951	.20896542
38	9.500	1.236	.13922960
36	9.000	1.521	.08748281
34	8.500	1.807	.05172093
32	8.000	2.092	.02870715
30	7.500	2.377	.01492435
28	7.000	2.662	.00724970
26	6.500	2.948	.00329168
24	6.000	3.233	.00138007

M= 6 , N= 5

58	11.600	0.043	.52533472
56	11.200	0.298	.42516947
54	10.800	0.553	.33046579
52	10.400	0.808	.24614084
50	10.000	1.063	.17535245
48	9.600	1.318	.11928409
46	9.200	1.573	.07736248
44	8.800	1.829	.04776717
42	8.400	2.084	.02803957
40	8.000	2.339	.01562593
38	7.600	2.594	.00825514
36	7.200	2.849	.00412802
34	6.800	3.104	.00195066

M= 6 , N= 6

70	11.667	0.0	.53855705
68	11.333	0.233	.44660747
66	11.000	0.466	.35814351
64	10.667	0.699	.27724844
62	10.333	0.932	.20687532
60	10.000	1.165	.14859498
58	9.667	1.397	.10262334
56	9.333	1.630	.06807244
54	9.000	1.863	.04332572
52	8.667	2.096	.02643339
50	8.333	2.329	.01544479
48	8.000	2.562	.00863414
46	7.667	2.795	.00461354
44	7.333	3.028	.00235385
42	7.000	3.261	.00114543

M= 6 , N= 7

80	11.429	0.180	.46461177
78	11.143	0.395	.38143378
76	10.857	0.611	.30387950
74	10.571	0.827	.23463470
72	10.286	1.042	.17539489
70	10.000	1.258	.12681121
68	9.714	1.474	.08860135
66	9.429	1.689	.05977574
64	9.143	1.905	.03891287
62	8.857	2.120	.02442548
60	8.571	2.336	.01477336
58	8.286	2.552	.00860415
56	8.000	2.767	.00482205
54	7.714	2.983	.00259861
52	7.429	3.199	.00134559

M= 6 , N= 8

92	11.500	0.134	.48015743

90	11.250	0.336	.40151894
88	11.000	0.538	.32710272
86	10.750	0.740	.25932837
84	10.500	0.941	.19989210
82	10.250	1.143	.14967972
80	10.000	1.345	.10880160
78	9.750	1.546	.07672334
76	9.500	1.748	.05245417
74	9.250	1.950	.03474968
72	9.000	2.152	.02229516
70	8.750	2.353	.01384642
68	8.500	2.555	.00831980
66	8.250	2.757	.00483412
64	8.000	2.958	.00271473
62	7.750	3.160	.00147269

94	9.400	2.045	.02745907
92	9.200	2.225	.01818517
90	9.000	2.406	.01173202
88	8.800	2.586	.00737085
86	8.600	2.766	.00450837
84	8.400	2.947	.00268371
82	8.200	3.127	.00155439

M= 6 , N= 9

104	11.556	0.095	.49586007
102	11.333	0.285	.41917002
100	11.111	0.475	.34766036
98	10.889	0.666	.28159654
96	10.667	0.856	.22234702
94	10.444	1.046	.17119615
92	10.222	1.236	.12858751
90	10.000	1.426	.09374458
88	9.778	1.616	.06660634
86	9.556	1.807	.04602858
84	9.333	1.997	.03092371
82	9.111	2.187	.02018964
80	8.889	2.377	.01280460
78	8.667	2.567	.00788559
76	8.444	2.758	.00471375
74	8.222	2.948	.00273396
72	8.000	3.138	.00153793

M= 6 , N=10

116	11.600	0.060	.50613159
114	11.400	0.241	.43491489
112	11.200	0.421	.36608440
110	11.000	0.601	.30159837
108	10.800	0.782	.24301153
106	10.600	0.962	.19137830
104	10.400	1.143	.14722371
102	10.200	1.323	.11057609
100	10.000	1.503	.08104861
98	9.800	1.684	.05794977
96	9.600	1.864	.04040322

M= 7 , N= 2

32	16.000	0.0	.55246210
30	15.000	0.327	.42556393
28	14.000	0.655	.30762619
26	13.000	0.982	.20753139
24	12.000	1.309	.13007164
22	11.000	1.637	.07528347
20	10.000	1.964	.04000051
18	9.000	2.291	.01938174
16	8.000	2.619	.00850778
14	7.000	2.946	.00335618
12	6.000	3.273	.00117875

M= 7 , N= 3

48	16.000	0.0	.54321086
46	15.333	0.267	.43859166
44	14.667	0.535	.33911550
42	14.000	0.802	.25041640
40	13.333	1.069	.17617261
38	12.667	1.336	.11780119
36	12.000	1.604	.07469481
34	11.333	1.871	.04480519
32	10.667	2.138	.02556210
30	10.000	2.405	.01351179
28	9.333	2.673	.00675586
26	8.667	2.940	.00316050
24	8.000	3.207	.00137867

M= 7 , N= 4

64	16.000	0.0	.53759360
62	15.500	0.231	.44654900
60	15.000	0.463	.35894636
58	14.500	0.694	.27872163
56	14.000	0.926	.20874047
54	13.500	1.157	.15056020
52	13.000	1.389	.10444623
50	12.500	1.620	.06959659
48	12.000	1.852	.04448729
46	11.500	2.083	.02724405
44	11.000	2.315	.01596298
42	10.500	2.546	.00893626
40	10.000	2.777	.00477261
38	9.500	3.009	.00242791
36	9.000	3.240	.00117448

M= 7 , N= 5

80	16.000	0.0	.53371614
78	15.600	0.207	.45204860
76	15.200	0.414	.37288952
74	14.800	0.621	.29918224
72	14.400	0.828	.23321348
70	14.000	1.035	.17643517
68	13.600	1.242	.12942547
66	13.200	1.449	.09197605
64	12.800	1.656	.06326830
62	12.400	1.863	.04209220
60	12.000	2.070	.02706267
58	11.600	2.277	.01680127
56	11.200	2.484	.01006368
54	10.800	2.691	.00581091
52	10.400	2.898	.00323156
50	10.000	3.105	.00172927

M= 7 , N= 6

96	16.000	0.0	.53083408
94	15.667	0.189	.45614034
92	15.333	0.378	.38337833
90	15.000	0.567	.31485498
88	14.667	0.756	.25244081
86	14.333	0.945	.19743627
84	14.000	1.134	.15052134
82	13.667	1.323	.11178535
80	13.333	1.512	.08082008
78	13.000	1.701	.05685230
76	12.667	1.890	.03888904
74	12.333	2.079	.02585349
72	12.000	2.268	.01669504
70	11.667	2.457	.01046635
68	11.333	2.646	.00636650
66	11.000	2.835	.00375540
64	10.667	3.024	.00214686
62	10.333	3.213	.00118871

M= 7 , N= 7

112	16.000	0.0	.52858377
110	15.714	0.175	.45933753
108	15.429	0.350	.39163768
106	15.143	0.525	.32735473
104	14.857	0.700	.26805204

102	14.571	0.875	.21488369
100	14.286	1.050	.16854542
98	14.000	1.225	.12927908
96	13.714	1.400	.09692252
94	13.429	1.575	.07099193
92	13.143	1.750	.05078021
90	12.857	1.925	.03545709
88	12.571	2.100	.02415807
86	12.286	2.275	.01605471
84	12.000	2.449	.01040291
82	11.714	2.624	.00656977
80	11.429	2.799	.00404219
78	11.143	2.974	.00242202
76	10.857	3.149	.00141270

M= 7 , N= 8

128	16.000	0.0	.52676386
126	15.750	0.164	.46192473
124	15.500	0.327	.39835966
122	15.250	0.491	.33762461
120	15.000	0.655	.28105003
118	14.750	0.818	.22966081
116	14.500	0.982	.18413252
114	14.250	1.146	.14478403
112	14.000	1.309	.11160439
110	13.750	1.473	.08430427
108	13.500	1.637	.06258416
106	13.250	1.800	.04520775
104	13.000	1.964	.03207228
102	12.750	2.128	.02226865
100	12.500	2.291	.01512787
98	12.250	2.455	.01005207
96	12.000	2.619	.00653132
94	11.750	2.782	.00414847
92	11.500	2.946	.00257507
90	11.250	3.110	.00156161

M= 7 , N= 9

144	16.000	0.0	.52525270
142	15.778	0.154	.46407413
140	15.556	0.309	.40396869
138	15.333	0.463	.34625709
136	15.111	0.617	.29208863
134	14.889	0.772	.24257734
132	14.667	0.926	.19776410
130	14.444	1.080	.15860426
128	14.222	1.234	.12498069

126	14.000	1.389	.09673709
124	13.778	1.543	.07352543
122	13.556	1.697	.05486022
120	13.333	1.852	.04017355
118	13.111	2.006	.02886551
116	12.889	2.160	.02054560
114	12.667	2.315	.01406439
112	12.444	2.469	.00953285
110	12.222	2.623	.00633411
108	12.000	2.777	.00412489
106	11.778	2.932	.00263212
104	11.556	3.086	.00164538
102	11.333	3.240	.00100738

M= 7 , N=10

160	16.000	0.0	.52397192
158	15.800	0.146	.46589673
156	15.600	0.293	.40874147
154	15.400	0.439	.35364550
152	15.200	0.586	.30161399
150	15.000	0.732	.25346696
148	14.800	0.878	.20980555
146	14.600	1.025	.17099881
144	14.400	1.171	.13718837
142	14.200	1.317	.10831004
140	14.000	1.464	.08412713
138	13.800	1.610	.06427127
136	13.600	1.757	.04828531
134	13.400	1.903	.03566488
132	13.200	2.049	.02588438
130	13.000	2.196	.01847693
128	12.800	2.342	.01295487
126	12.600	2.489	.00892354
124	12.400	2.635	.00603762
122	12.200	2.781	.00401182
120	12.000	2.928	.00261752
118	11.800	3.074	.00167661
116	11.600	3.220	.00105413

Table B2: Critical Values of G_F^*

M=3

α	.10	.05	.025	.01	.005	.001
n						
2	2.530	2.530	-	-	-	-
3	2.324	2.324	3.098	3.098	3.098	-
4	2.236	2.236	2.907	2.907	3.578	3.578
5	2.200	2.200	2.800	2.800	3.400	4.000
6	1.643	2.191	2.739	2.739	3.286	3.834
7	1.690	2.197	2.704	2.704	3.212	3.719
8	1.739	2.214	2.688	2.688	3.162	3.637
9	1.789	2.236	2.683	2.683	3.130	3.578
10	1.838	2.263	2.263	2.687	3.111	3.536
11	1.888	2.292	2.292	2.697	3.101	3.506
12	1.549	1.936	2.324	2.711	3.098	3.486
13	1.612	1.985	2.357	2.729	3.101	3.473
14	1.673	2.032	2.390	2.749	3.108	3.466
15	1.732	2.078	2.425	2.771	3.118	3.464
16	1.789	2.124	2.460	2.795	3.130	3.466
17	1.519	2.169	2.495	2.820	3.145	3.471
18	1.581	1.897	2.214	2.846	3.162	3.479
19	1.642	1.949	2.257	2.565	2.873	3.488
20	1.700	2.000	2.300	2.600	2.900	3.500
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=4

2	2.038	2.717	2.717	3.397	3.397	-
3	1.941	2.496	2.496	3.051	3.051	3.606
4	1.922	2.402	2.402	2.882	3.363	3.843
5	1.934	1.934	2.363	2.793	3.223	3.652
6	1.569	1.961	2.353	2.746	3.138	3.530
7	1.634	1.997	2.360	2.724	3.087	3.450
8	1.698	2.038	2.378	2.717	3.057	3.737
9	1.761	2.082	2.402	2.722	3.042	3.683
10	1.519	2.127	2.431	2.734	3.038	3.646
11	1.593	1.883	2.173	2.752	3.042	3.621
12	1.664	1.941	2.219	2.774	3.051	3.606
13	1.466	1.999	2.265	2.798	3.064	3.331
14	1.541	2.054	2.311	2.568	2.825	3.595
15	1.612	1.861	2.357	2.605	2.853	3.349
16	1.441	1.922	2.162	2.642	2.882	3.363
17	1.515	1.981	2.214	2.680	2.913	3.379
18	1.585	1.812	2.265	2.717	2.944	3.397
19	1.433	1.874	2.314	2.535	2.976	3.416
20	1.504	1.934	2.148	2.578	2.793	3.437
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=5

n \ α	.10	.05	.025	.01	.005	.001
2	2.052	2.052	2.565	3.078	3.078	3.591
3	1.675	2.094	2.513	2.932	2.932	3.770
4	1.814	2.176	2.539	2.902	2.902	3.627
5	1.622	1.947	2.271	2.596	2.920	3.569
6	1.481	2.073	2.369	2.666	2.962	3.554
7	1.645	1.919	2.194	2.742	3.016	3.565
8	1.539	2.052	2.308	2.565	2.821	3.334
9	1.451	1.935	2.176	2.660	2.902	3.386
10	1.606	1.835	2.294	2.524	2.982	3.441
11	1.531	1.969	2.187	2.625	2.844	3.500
12	1.466	1.885	2.304	2.513	2.932	3.351
13	1.408	1.811	2.213	2.616	2.817	3.421
14	1.551	1.939	2.133	2.521	2.908	3.296
15	1.499	1.873	2.248	2.622	2.810	3.372
16	1.451	1.814	2.176	2.539	2.902	3.446
17	1.408	1.760	2.111	2.639	2.815	3.343
18	1.539	1.881	2.223	2.565	2.736	3.420
19	1.498	1.831	2.164	2.497	2.829	3.329
20	1.460	1.784	2.109	2.596	2.758	3.407
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=6

2	1.883	2.286	2.286	2.689	3.093	3.496
3	1.482	2.141	2.470	2.800	3.129	3.459
4	1.521	2.092	2.377	2.662	2.948	3.518
5	1.573	1.829	2.339	2.594	2.849	3.359
6	1.630	1.863	2.329	2.562	2.795	3.494
7	1.474	1.905	2.120	2.552	2.767	3.414
8	1.546	1.950	2.152	2.555	2.757	3.362
9	1.426	1.807	2.187	2.567	2.758	3.328
10	1.503	1.864	2.225	2.586	2.766	3.308
11	1.405	1.921	2.093	2.609	2.781	3.297
12	1.482	1.812	2.141	2.470	2.800	3.294
13	1.398	1.872	2.189	2.505	2.822	3.297
14	1.474	1.779	2.084	2.541	2.846	3.304
15	1.399	1.841	2.136	2.578	2.725	3.314
16	1.474	1.759	2.187	2.472	2.758	3.328
17	1.407	1.822	2.099	2.514	2.791	3.344
18	1.479	1.748	2.152	2.555	2.824	3.362
19	1.418	1.811	2.072	2.465	2.727	3.250
20	1.361	1.743	2.126	2.509	2.764	3.274
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=7

n	α .10	.05	.025	.01	.005	.001
2	1.637	1.964	2.291	2.619	2.946	3.601
3	1.604	1.871	2.405	2.673	2.940	3.474
4	1.620	1.852	2.315	2.546	2.777	3.472
5	1.449	1.863	2.277	2.691	2.898	3.312
6	1.512	1.890	2.268	2.646	2.835	3.402
7	1.400	1.925	2.100	2.624	2.799	3.324
8	1.473	1.800	2.128	2.619	2.782	3.273
9	1.389	1.852	2.160	2.469	2.777	3.395
10	1.464	1.757	2.196	2.489	2.781	3.367
11	1.396	1.814	2.094	2.512	2.791	3.350
12	1.470	1.737	2.138	2.539	2.806	3.341
13	1.412	1.797	2.054	2.439	2.696	3.338
14	1.361	1.732	2.103	2.474	2.722	3.340
15	1.434	1.793	2.151	2.510	2.749	3.227
16	1.389	1.736	2.083	2.430	2.777	3.240
17	1.347	1.796	2.133	2.470	2.695	3.256
18	1.418	1.746	2.073	2.510	2.728	3.273
19	1.381	1.805	2.124	2.443	2.761	3.292
20	1.346	1.760	2.070	2.484	2.691	3.209
∞	1.282	1.645	1.960	2.326	2.576	3.090

Table B3: Maximum error in the normal approximation to G_F^*

n \ m	3	4	5	6	7
11	1.40	.79	.55	.44	.34
12	1.30	.78	.57	.43	.34
13	.95	.77	.51	.38	.33
14	.94	.76	.53	.38	.30
15	.93	.62	.48	.38	.30
16	.92	.62	.44	.34	.30
17	.92	.62	.46	.34	.27
18	.91	.62	.42	.34	.27
19	.91	.63	.39	.31	.25
20	.91	.53	.41	.31	.26

Table B4

M= 3 , N= 2

8	2.667	0.0	.58333498
6	2.000	0.600	.33333498
4	1.333	1.200	.22222608
2	0.667	1.800	.08333498
0	0.0	2.400	.02777889

M= 3 , N= 3

16	2.667	0.0	.52778053
14	2.333	0.359	.40278053
12	2.000	0.717	.29166996
10	1.667	1.076	.19907713
8	1.333	1.434	.12500244
6	1.000	1.793	.06481647
4	0.667	2.151	.03703842
2	0.333	2.510	.01388944
0	0.0	2.869	.00462991

M= 3 , N= 4

26	2.600	0.082	.48842883
24	2.400	0.327	.40509629
22	2.200	0.572	.31250328
20	2.000	0.816	.24768877
18	1.800	1.061	.18441653
16	1.600	1.306	.13194722
14	1.400	1.551	.08873671
12	1.200	1.796	.06095866
10	1.000	2.041	.03780995
8	0.800	2.286	.02237745
6	0.600	2.531	.01080296
4	0.400	2.776	.00617319
2	0.200	3.021	.00231495

M= 3 , N= 5

40	2.667	0.0	.51042020
38	2.533	0.181	.44058996
36	2.400	0.362	.37809020
34	2.267	0.543	.31829083
32	2.133	0.724	.26196361
30	2.000	0.905	.21142328
28	1.867	1.085	.16872746
26	1.733	1.266	.13078988
24	1.600	1.447	.10018259
22	1.467	1.628	.07356173
20	1.333	1.809	.05427131
18	1.200	1.990	.03819579
16	1.067	2.171	.02559259
14	0.933	2.352	.01684746
12	0.800	2.533	.01093162
10	0.667	2.714	.00655900
8	0.533	2.895	.00372965
6	0.400	3.075	.00180053
4	0.267	3.256	.00102889

M= 3 , N= 6

56	2.667	0.0	.50463337
54	2.571	0.141	.45100695
52	2.476	0.281	.40149587
50	2.381	0.422	.35056990
48	2.286	0.563	.30401641
46	2.190	0.703	.26112789
44	2.095	0.844	.22229034
42	2.000	0.984	.18583173
40	1.905	1.125	.15410995
38	1.810	1.266	.12545305
36	1.714	1.406	.10187596
34	1.619	1.547	.08084935
32	1.524	1.688	.06361651
30	1.429	1.828	.04886998
28	1.333	1.969	.03716703
26	1.238	2.110	.02760743
24	1.143	2.250	.02040558
22	1.048	2.391	.01444685
20	0.952	2.532	.01028860
18	0.857	2.672	.00696626
16	0.762	2.813	.00460847
14	0.667	2.953	.00293658
12	0.571	3.094	.00186484
10	0.476	3.235	.00109319

M= 3 , N= 7

74	2.643	0.038	.48688680
72	2.571	0.151	.44412720
70	2.500	0.265	.40184975
68	2.429	0.378	.36174774
66	2.357	0.491	.32339251
64	2.286	0.605	.28710562
62	2.214	0.718	.25236183
60	2.143	0.832	.22076875
58	2.071	0.945	.19138324
56	2.000	1.058	.16463405

54	1.929	1.172	.14034247
52	1.857	1.285	.11893737
50	1.786	1.398	.09961122
48	1.714	1.512	.08276421
46	1.643	1.625	.06821060
44	1.571	1.739	.05564320
42	1.500	1.852	.04482975
40	1.429	1.965	.03582031
38	1.357	2.079	.02825765
36	1.286	2.192	.02210605
34	1.214	2.306	.01705471
32	1.143	2.419	.01301078
30	1.071	2.532	.00971346
28	1.000	2.646	.00718419
26	0.929	2.759	.00522294
24	0.857	2.873	.00376539
22	0.786	2.986	.00261506
20	0.714	3.099	.00181483
18	0.643	3.213	.00121823

M= 3 , N= 8

96	2.667	0.0	.49877727
94	2.611	0.094	.46269411
92	2.556	0.188	.42773628
90	2.500	0.282	.39334095
88	2.444	0.376	.35992616
86	2.389	0.470	.32741868
84	2.333	0.564	.29679024
82	2.278	0.658	.26731730
80	2.222	0.751	.23987520
78	2.167	0.845	.21383160
76	2.111	0.939	.18975091
74	2.056	1.033	.16735804
72	2.000	1.127	.14681029
70	1.944	1.221	.12788546
68	1.889	1.315	.11099088
66	1.833	1.409	.09563059
64	1.778	1.503	.08194506
62	1.722	1.597	.06965452
60	1.667	1.691	.05893518
58	1.611	1.785	.04945242
56	1.556	1.879	.04126224
54	1.500	1.973	.03411754
52	1.444	2.067	.02809932
50	1.389	2.160	.02289616
48	1.333	2.254	.01852596
46	1.278	2.348	.01485474
44	1.222	2.442	.01182417
42	1.167	2.536	.00930383
40	1.111	2.630	.00727709
38	1.056	2.724	.00560639
36	1.000	2.818	.00430364
34	0.944	2.912	.00325394
32	0.889	3.006	.00243347
30	0.833	3.100	.00178447
28	0.778	3.194	.00130099

M= 3 , N= 9

120	2.667	0.0	.49723792
118	2.622	0.079	.46671945
116	2.578	0.159	.43668228
114	2.533	0.238	.40704161
112	2.489	0.318	.37816185
110	2.444	0.397	.35005629
108	2.400	0.477	.32299650
106	2.356	0.556	.29680979
104	2.311	0.636	.27179331
102	2.267	0.715	.24792910
100	2.222	0.795	.22529995
98	2.178	0.874	.20392287
96	2.133	0.954	.18387526
94	2.089	1.033	.16509306
92	2.044	1.113	.14770734
90	2.000	1.192	.13155317
88	1.956	1.272	.11666662
86	1.911	1.351	.10301554
84	1.867	1.430	.09060556
82	1.822	1.510	.07929587
80	1.778	1.589	.06910998
78	1.733	1.669	.05993610
76	1.689	1.748	.05174831
74	1.644	1.828	.04445071
72	1.600	1.907	.03799310
70	1.556	1.987	.03230799
68	1.511	2.066	.02734757
66	1.467	2.146	.02300625
64	1.422	2.225	.01925982
62	1.378	2.305	.01601629
60	1.333	2.384	.01325503
58	1.289	2.464	.01089417
56	1.244	2.543	.00890196
54	1.200	2.623	.00722421
52	1.156	2.702	.00583434
50	1.111	2.782	.00466863
48	1.067	2.861	.00370844
46	1.022	2.940	.00292468
44	0.978	3.020	.00228978
42	0.933	3.099	.00177554

40	0.889	3.179	.00136609
38	0.844	3.258	.00103931

M= 3 , N=10

146	2.655	0.023	.48719245
144	2.618	0.091	.46099460
142	2.582	0.160	.43502128
140	2.545	0.228	.40952325
138	2.509	0.296	.38444090
136	2.473	0.365	.36001718
134	2.436	0.433	.33614039
132	2.400	0.501	.31306541
130	2.364	0.570	.29073566
128	2.327	0.638	.26926959
126	2.291	0.707	.24864125
124	2.255	0.775	.22901678
122	2.218	0.843	.21027136
120	2.182	0.912	.19252890
118	2.145	0.980	.17572975
116	2.109	1.048	.15994710
114	2.073	1.117	.14509743
112	2.036	1.185	.13126004
110	2.000	1.254	.11834848
108	1.964	1.322	.10639608
106	1.927	1.390	.09531057
104	1.891	1.459	.08513123
102	1.855	1.527	.07576215
100	1.818	1.595	.06721467
98	1.782	1.664	.05941341
96	1.745	1.732	.05234674
94	1.709	1.801	.04594493
92	1.673	1.869	.04019980
90	1.636	1.937	.03502951
88	1.600	2.006	.03041481
86	1.564	2.074	.02630062
84	1.527	2.142	.02266599
82	1.491	2.211	.01944273
80	1.455	2.279	.01661991
78	1.418	2.348	.01414056
76	1.382	2.416	.01198541
74	1.345	2.484	.01010994
72	1.309	2.553	.00849365
70	1.273	2.621	.00709831
68	1.236	2.689	.00590763
66	1.200	2.758	.00488982
64	1.164	2.826	.00402985
62	1.127	2.895	.00329978
60	1.091	2.963	.00269087
58	1.055	3.031	.00217948
56	1.018	3.100	.00175690
54	0.982	3.168	.00140649
52	0.945	3.236	.00112112

M= 4 , N= 2

14	4.667	0.215	.47222024
12	4.000	0.645	.31597275
10	3.333	1.074	.19444722
8	2.667	1.504	.11111468
6	2.000	1.934	.05555861
4	1.333	2.363	.02430736
2	0.667	2.793	.00694514
0	0.0	3.223	.00173639

M= 4 , N= 3

30	5.000	0.0	.52734160
28	4.667	0.257	.42599750
26	4.333	0.514	.33593827
24	4.000	0.770	.25477642
22	3.667	1.027	.18598378
20	3.333	1.284	.13194770
18	3.000	1.541	.08962989
16	2.667	1.797	.05794538
14	2.333	2.054	.03559238
12	2.000	2.311	.02061785
10	1.667	2.568	.01114104
8	1.333	2.825	.00549829
6	1.000	3.081	.00253218
4	0.667	3.338	.00101289

M= 4 , N= 4

50	5.000	0.0	.51384205
48	4.800	0.175	.44605333
46	4.600	0.351	.38073009
44	4.400	0.526	.31951505
42	4.200	0.702	.26391506
40	4.000	0.877	.21411997
38	3.800	1.052	.17052466
36	3.600	1.228	.13340634
34	3.400	1.403	.10242754
32	3.200	1.579	.07697344
30	3.000	1.754	.05655274
28	2.800	1.930	.04063801
26	2.600	2.105	.02856021
24	2.400	2.280	.01949047
22	2.200	2.456	.01293752
20	2.000	2.631	.00837091
18	1.800	2.807	.00521192
16	1.600	2.982	.00312297
14	1.400	3.157	.00179966

M= 4 , N= 5

74	4.933	0.065	.48210758
72	4.800	0.194	.43226063
70	4.667	0.324	.38394803
68	4.533	0.453	.33782417
66	4.400	0.583	.29447639
64	4.267	0.713	.25419593
62	4.133	0.842	.21729623
60	4.000	0.972	.18382192
58	3.867	1.101	.15389901
56	3.733	1.231	.12754464
54	3.600	1.360	.10454828
52	3.467	1.490	.08474523
50	3.333	1.619	.06789345
48	3.200	1.749	.05374927
46	3.067	1.878	.04205940
44	2.933	2.008	.03248414
42	2.800	2.138	.02476405
40	2.667	2.267	.01862109
38	2.533	2.397	.01379493
36	2.400	2.526	.01007948
34	2.267	2.656	.00724518
32	2.133	2.785	.00511670
30	2.000	2.915	.00355000
28	1.867	3.044	.00241434
26	1.733	3.174	.00161125
24	1.600	3.304	.00104943

M= 4 , N= 6

104	4.952	0.050	.48381555
102	4.857	0.151	.44476700
100	4.762	0.252	.40655124
98	4.667	0.353	.36949748
96	4.571	0.453	.33384907
94	4.476	0.554	.29983932
92	4.381	0.655	.26769203
90	4.286	0.755	.23753989
88	4.190	0.856	.20948315
86	4.095	0.957	.18358928
84	4.000	1.058	.15986538
82	3.905	1.158	.13830918
80	3.810	1.259	.11888254
78	3.714	1.360	.10150498
76	3.619	1.460	.08608139
74	3.524	1.561	.07249361

72	3.429	1.662	.06062127
70	3.333	1.763	.05033145
68	3.238	1.863	.04148202
66	3.143	1.964	.03393446
64	3.048	2.065	.02754579
62	2.952	2.165	.02218203
60	2.857	2.266	.01771894
58	2.762	2.367	.01403676
56	2.667	2.468	.01102389
54	2.571	2.568	.00858077
52	2.476	2.669	.00661718
50	2.381	2.770	.00505361
48	2.286	2.870	.00382174
46	2.190	2.971	.00286042
44	2.095	3.072	.00211716
42	2.000	3.173	.00154934
40	1.905	3.273	.00112019

M= 4 , N= 7

140	5.000	0.0	.50104326
138	4.929	0.081	.46924907
136	4.857	0.162	.43783844
134	4.786	0.244	.40699226
132	4.714	0.325	.37687838
130	4.643	0.406	.34764457
128	4.571	0.487	.31942785
126	4.500	0.568	.29234260
124	4.429	0.650	.26648575
122	4.357	0.731	.24193656
120	4.286	0.812	.21875554
118	4.214	0.893	.19698203
116	4.143	0.974	.17663586
114	4.071	1.056	.15772581
112	4.000	1.137	.14024079
110	3.929	1.218	.12415791
108	3.857	1.299	.10944217
106	3.786	1.380	.09604633
104	3.714	1.462	.08391482
102	3.643	1.543	.07298368
100	3.571	1.624	.06318706
98	3.500	1.705	.05445199
96	3.429	1.786	.04670328
94	3.357	1.868	.03986670
92	3.286	1.949	.03386591
90	3.214	2.030	.02862645
88	3.143	2.111	.02407604
86	3.071	2.192	.02014573
84	3.000	2.274	.01676909
82	2.929	2.355	.01388422
80	2.857	2.436	.01143373
78	2.786	2.517	.00936331
76	2.714	2.598	.00762423
74	2.643	2.680	.00617212
72	2.571	2.761	.00496673
70	2.500	2.842	.00397238
68	2.429	2.923	.00315716
66	2.357	3.004	.00249303
64	2.286	3.086	.00195540
62	2.214	3.167	.00152311
60	2.143	3.248	.00117804

M= 4 , N= 8

180	5.000	0.0	.49935371
178	4.944	0.067	.47295856
176	4.889	0.135	.44680387
174	4.833	0.202	.42099369
172	4.778	0.269	.39562774
170	4.722	0.336	.37079877
168	4.667	0.404	.34659207
166	4.611	0.471	.32308495
164	4.556	0.538	.30034530
162	4.500	0.605	.27843291
160	4.444	0.673	.25739801
158	4.389	0.740	.23728168
156	4.333	0.807	.21811616
154	4.278	0.874	.19992429
152	4.222	0.942	.18272072
150	4.167	1.009	.16651118
148	4.111	1.076	.15129387
146	4.056	1.144	.13706034
144	4.000	1.211	.12379491
142	3.944	1.278	.11147678
140	3.889	1.345	.10007954
138	3.833	1.413	.08957213
136	3.778	1.480	.07992005
134	3.722	1.547	.07108527
132	3.667	1.614	.06302774
130	3.611	1.682	.05570565
128	3.556	1.749	.04907570
126	3.500	1.816	.04309428
124	3.444	1.883	.03771750
122	3.389	1.951	.03290176
120	3.333	2.018	.02860428
118	3.278	2.085	.02478335
116	3.222	2.153	.02139867
114	3.167	2.220	.01841164
112	3.111	2.287	.01578538
110	3.056	2.354	.01348504

108	3.000	2.422	.01147790
106	2.944	2.489	.00973327
104	2.889	2.556	.00822270
102	2.833	2.623	.00691995
100	2.778	2.691	.00580091
98	2.722	2.758	.00484354
96	2.667	2.825	.00402784
94	2.611	2.892	.00333571
92	2.556	2.960	.00275091
90	2.500	3.027	.00225890
88	2.444	3.094	.00184674
86	2.389	3.162	.00150304
84	2.333	3.229	.00121768

M= 4 , N= 9

224	4.978	0.028	.48696828
222	4.933	0.085	.46466964
220	4.889	0.142	.44256198
218	4.844	0.199	.42070907
216	4.800	0.256	.39917135
214	4.756	0.313	.37800616
212	4.711	0.370	.35726720
210	4.667	0.427	.33700377
208	4.622	0.484	.31726122
206	4.578	0.541	.29808015
204	4.533	0.598	.27949661
202	4.489	0.654	.26154160
200	4.444	0.711	.24424160
198	4.400	0.768	.22761810
196	4.356	0.825	.21168804
194	4.311	0.882	.19646364
192	4.267	0.939	.18195254
190	4.222	0.996	.16815835
188	4.178	1.053	.15508038
186	4.133	1.110	.14271426
184	4.089	1.167	.13105202
182	4.044	1.224	.12008250
180	4.000	1.280	.10979158
178	3.956	1.337	.10016257
176	3.911	1.394	.09117633
174	3.867	1.451	.08281189
172	3.822	1.508	.07504642
170	3.778	1.565	.06785578
168	3.733	1.622	.06121476
166	3.689	1.679	.05509728
164	3.644	1.736	.04947674
162	3.600	1.793	.04432625
160	3.556	1.850	.03961883
158	3.511	1.907	.03532762
156	3.467	1.963	.03142608
154	3.422	2.020	.02788816
152	3.378	2.077	.02468842
150	3.333	2.134	.02180223
148	3.289	2.191	.01920578
146	3.244	2.248	.01687628
144	3.200	2.305	.01479180
142	3.156	2.362	.01293171
140	3.111	2.419	.01127635
138	3.067	2.476	.00980720
136	3.022	2.533	.00850694
134	2.978	2.589	.00735933
132	2.933	2.646	.00634930
130	2.889	2.703	.00546288
128	2.844	2.760	.00468715
126	2.800	2.817	.00401025
124	2.756	2.874	.00342130
122	2.711	2.931	.00291040
120	2.667	2.988	.00246850
118	2.622	3.045	.00208744
116	2.578	3.102	.00175986
114	2.533	3.159	.00147910
112	2.489	3.215	.00123924
110	2.444	3.272	.00103497

M= 4 , N=10

274	4.982	0.024	.48766744
272	4.945	0.073	.46844331
270	4.909	0.122	.44934946
268	4.873	0.171	.43042707
266	4.836	0.220	.41171592
264	4.800	0.269	.39325416
262	4.764	0.318	.37507802
260	4.727	0.367	.35722148
258	4.691	0.416	.33971643
256	4.655	0.465	.32259244
254	4.618	0.514	.30587631
252	4.582	0.563	.28959256
250	4.545	0.612	.27376288
248	4.509	0.661	.25840652
246	4.473	0.710	.24353981
244	4.436	0.759	.22917652
242	4.400	0.808	.21532786
240	4.364	0.857	.20200229
238	4.327	0.906	.18920588
236	4.291	0.955	.17694223
234	4.255	1.004	.16521269
232	4.218	1.053	.15401614
230	4.182	1.102	.14334965

228	4.145	1.151	.13320810
226	4.109	1.200	.12358463
224	4.073	1.249	.11447078
222	4.036	1.298	.10585642
220	4.000	1.347	.09773004
218	3.964	1.396	.09007901
216	3.927	1.444	.08288956
214	3.891	1.493	.07614702
212	3.855	1.542	.06983578
210	3.818	1.591	.06393987
208	3.782	1.640	.05844259
206	3.745	1.689	.05332693
204	3.709	1.738	.04857567
202	3.673	1.787	.04417142
200	3.636	1.836	.04009678
198	3.600	1.885	.03633444
196	3.564	1.934	.03286723
194	3.527	1.983	.02967826
192	3.491	2.032	.02675093
190	3.455	2.081	.02406905
188	3.418	2.130	.02161688
186	3.382	2.179	.01937917
184	3.345	2.228	.01734121
182	3.309	2.277	.01548886
180	3.273	2.326	.01380858
178	3.236	2.375	.01228743
176	3.200	2.424	.01091313
174	3.164	2.473	.00967399
172	3.127	2.522	.00855901
170	3.091	2.571	.00755779
168	3.055	2.620	.00666058
166	3.018	2.669	.00585823
164	2.982	2.718	.00514222
162	2.945	2.767	.00450458
160	2.909	2.816	.00393794
158	2.873	2.864	.00343546
156	2.836	2.913	.00299084
154	2.800	2.962	.00259827
152	2.764	3.011	.00225240
150	2.727	3.060	.00194835
148	2.691	3.109	.00168165
146	2.655	3.158	.00144825
144	2.618	3.207	.00124445
142	2.582	3.256	.00106689

M= 5 , N= 2

24	8.000	0.0	.55610371
22	7.333	0.324	.41630995
20	6.667	0.649	.31130993
18	6.000	0.973	.20547593
16	5.333	1.298	.13575459
14	4.667	1.622	.07860285
12	4.000	1.947	.04527089
10	3.333	2.271	.02249517
8	2.667	2.596	.01083016
6	2.000	2.920	.00423455
4	1.333	3.244	.00145767

M= 5 , N= 3

48	8.000	0.0	.52388734
46	7.667	0.194	.44792873
44	7.333	0.388	.37587267
42	7.000	0.582	.30826586
40	6.667	0.776	.24669427
38	6.333	0.969	.19303435
36	6.000	1.163	.14766002
34	5.667	1.357	.10985076
32	5.333	1.551	.07989830
30	5.000	1.745	.05652399
28	4.667	1.939	.03890270
26	4.333	2.133	.02600124
24	4.000	2.327	.01687510
22	3.667	2.521	.01053361
20	3.333	2.714	.00636547
18	3.000	2.908	.00365783
16	2.667	3.102	.00202637
14	2.333	3.296	.00105043

M= 5 , N= 4

80	8.000	0.0	.51283348
78	7.800	0.132	.46070588
76	7.600	0.265	.41081697
74	7.400	0.397	.36167455
72	7.200	0.530	.31573474
70	7.000	0.662	.27198088
68	6.800	0.795	.23229432
66	6.600	0.927	.19573969
64	6.400	1.060	.16337121
62	6.200	1.192	.13449061
60	6.000	1.325	.10965133
58	5.800	1.457	.08815104
56	5.600	1.589	.07011336
54	5.400	1.722	.05496619
52	5.200	1.854	.04262371
50	5.000	1.987	.03254990
48	4.800	2.119	.02456263
46	4.600	2.252	.01823810
44	4.400	2.384	.01337150
42	4.200	2.517	.00963027
40	4.000	2.649	.00684056
38	3.800	2.782	.00476633
36	3.600	2.914	.00327176
34	3.400	3.046	.00219550
32	3.200	3.179	.00145116

M= 5 , N= 5

120	8.000	0.0	.50686413
118	7.867	0.098	.46863776
116	7.733	0.196	.43098801
114	7.600	0.293	.39409530
112	7.467	0.391	.35828626
110	7.333	0.489	.32379818
108	7.200	0.587	.29089803
106	7.067	0.685	.25976020
104	6.933	0.783	.23054785
102	6.800	0.880	.20331597
100	6.667	0.978	.17818731
98	6.533	1.076	.15515655
96	6.400	1.174	.13424253
94	6.267	1.272	.11537844
92	6.133	1.370	.09850872
90	6.000	1.467	.08353657
88	5.867	1.565	.07036513
86	5.733	1.663	.05885592
84	5.600	1.761	.04888754
82	5.467	1.859	.04031320
80	5.333	1.956	.03300618
78	5.200	2.054	.02682255
76	5.067	2.152	.02163526
74	4.933	2.250	.01731454
72	4.800	2.348	.01375043
70	4.667	2.446	.01083064
68	4.533	2.543	.00846291
66	4.400	2.641	.00655545
64	4.267	2.739	.00503487
62	4.133	2.837	.00383208
60	4.000	2.935	.00289058
58	3.867	3.033	.00215928

56	3.733	3.130	.00159762
54	3.600	3.228	.00116971

M= 5 , N= 6

168	8.000	0.0	.50352633
166	7.905	0.076	.47371185
164	7.810	0.152	.44423401
162	7.714	0.228	.41510695
160	7.619	0.304	.38659477
158	7.524	0.380	.35871702
156	7.429	0.456	.33170033
154	7.333	0.532	.30556381
152	7.238	0.608	.28049159
150	7.143	0.684	.25648910
148	7.048	0.761	.23368531
146	6.952	0.837	.21207428
144	6.857	0.913	.19174397
142	6.762	0.989	.17267191
140	6.667	1.065	.15490597
138	6.571	1.141	.13840449
136	6.476	1.217	.12317950
134	6.381	1.293	.10917670
132	6.286	1.369	.09638166
130	6.190	1.445	.08472949
128	6.095	1.521	.07418489
126	6.000	1.597	.06467497
124	5.905	1.673	.05615106
122	5.810	1.749	.04853787
120	5.714	1.825	.04178004
118	5.619	1.901	.03580311
116	5.524	1.977	.03054904
114	5.429	2.053	.02594718
112	5.333	2.129	.02194112
110	5.238	2.205	.01846689
108	5.143	2.282	.01547244
106	5.048	2.358	.01290132
104	4.952	2.434	.01070742
102	4.857	2.510	.00884258
100	4.762	2.586	.00726756
98	4.667	2.662	.00594250
96	4.571	2.738	.00483505
94	4.476	2.814	.00391309
92	4.381	2.890	.00315075
90	4.286	2.966	.00252295
88	4.190	3.042	.00200951
86	4.095	3.118	.00159134
84	4.000	3.194	.00125323

M= 5 , N= 7

224	8.000	0.0	.50137150
222	7.929	0.061	.47730702
220	7.857	0.123	.45340061
218	7.786	0.184	.42972660
216	7.714	0.245	.40636975
214	7.643	0.307	.38339883
212	7.571	0.368	.36088896
210	7.500	0.429	.33890146
208	7.429	0.491	.31750011
206	7.357	0.552	.29673648
204	7.286	0.613	.27666134
202	7.214	0.674	.25731283
200	7.143	0.736	.23872888
198	7.071	0.797	.22093511
196	7.000	0.858	.20395619
194	6.929	0.920	.18780535
192	6.857	0.981	.17249423
190	6.786	1.042	.15802413
188	6.714	1.104	.14439410
186	6.643	1.165	.13159549
184	6.571	1.226	.11961716
182	6.500	1.288	.10844153
180	6.429	1.349	.09804904
178	6.357	1.410	.08841461
176	6.286	1.472	.07951212
174	6.214	1.533	.07131124
172	6.143	1.594	.06378156
170	6.071	1.655	.05688937
168	6.000	1.717	.05060136
166	5.929	1.778	.04488222
164	5.857	1.839	.03969749
162	5.786	1.901	.03501174
160	5.714	1.962	.03079082
158	5.643	2.023	.02700047
156	5.571	2.085	.02360796
154	5.500	2.146	.02058098
152	5.429	2.207	.01788913
150	5.357	2.269	.01550276
148	5.286	2.330	.01339431
146	5.214	2.391	.01153729
144	5.143	2.453	.00990726
142	5.071	2.514	.00848104
140	5.000	2.575	.00723740
138	4.929	2.636	.00615648
136	4.857	2.698	.00522022
134	4.786	2.759	.00441194
132	4.714	2.820	.00371660
130	4.643	2.882	.00312041
128	4.571	2.943	.00261106
126	4.500	3.004	.00217736
124	4.429	3.066	.00180944

122	4.357	3.127	.00149840
120	4.286	3.188	.00123642
118	4.214	3.250	.00101656

M= 5 , N= 8

288	8.000	0.0	.49993283
286	7.944	0.051	.47995901
284	7.889	0.102	.46008760
282	7.833	0.152	.44035578
280	7.778	0.203	.42081857
278	7.722	0.254	.40151173
276	7.667	0.305	.38248557
274	7.611	0.356	.36377269
272	7.556	0.406	.34541798
270	7.500	0.457	.32745028
268	7.444	0.508	.30990803
266	7.389	0.559	.29281539
264	7.333	0.610	.27620399
262	7.278	0.660	.26009279
260	7.222	0.711	.24450654
258	7.167	0.762	.22945851
256	7.111	0.813	.21496660
254	7.056	0.863	.20103860
252	7.000	0.914	.18768555
250	6.944	0.965	.17490983
248	6.889	1.016	.16271615
246	6.833	1.067	.15110189
244	6.778	1.117	.14006597
242	6.722	1.168	.12960124
240	6.667	1.219	.11970168
238	6.611	1.270	.11035603
236	6.556	1.321	.10155416
234	6.500	1.371	.09328139
232	6.444	1.422	.08552420
230	6.389	1.473	.07826549
228	6.333	1.524	.07148904
226	6.278	1.575	.06517583
224	6.222	1.625	.05930795
222	6.167	1.676	.05386519
220	6.111	1.727	.04882847
218	6.056	1.778	.04417717
216	6.000	1.829	.03989173
214	5.944	1.879	.03595159
212	5.889	1.930	.03233730
210	5.833	1.981	.02902884
208	5.778	2.032	.02600734
206	5.722	2.083	.02325370
204	5.667	2.133	.02074998
202	5.611	2.184	.01847831
200	5.556	2.235	.01642196
198	5.500	2.286	.01456449
196	5.444	2.337	.01289057
194	5.389	2.387	.01138528
192	5.333	2.438	.0100348
190	5.278	2.489	.00882587
188	5.222	2.540	.00774615
186	5.167	2.590	.00678395
184	5.111	2.641	.00592851
182	5.056	2.692	.00516966
180	5.000	2.743	.00449811
178	4.944	2.794	.00390513
176	4.889	2.844	.00338280
174	4.833	2.895	.00292373
172	4.778	2.946	.00252126
170	4.722	2.997	.00216920
168	4.667	3.048	.00186200
166	4.611	3.098	.00159457
164	4.556	3.149	.00136235
162	4.500	3.200	.00116117

M= 5 , N= 9

360	8.000	0.0	.49892420
358	7.956	0.043	.48200202
356	7.911	0.086	.46514487
354	7.867	0.129	.44838113
352	7.822	0.172	.43173953
350	7.778	0.215	.41524726
348	7.733	0.258	.39893132
346	7.689	0.301	.38281697
344	7.644	0.344	.36692905
342	7.600	0.387	.35129052
340	7.556	0.430	.33592379
338	7.511	0.473	.32084900
336	7.467	0.516	.30608565
334	7.422	0.559	.29165113
332	7.378	0.602	.27756166
330	7.333	0.645	.26383156
328	7.289	0.688	.25047386
326	7.244	0.731	.23749954
324	7.200	0.774	.22491854
322	7.156	0.816	.21273857
320	7.111	0.859	.20096618
318	7.067	0.902	.18960613
316	7.022	0.945	.17866176
314	6.978	0.988	.16813481
312	6.933	1.031	.15802574
310	6.889	1.074	.14833349
308	6.844	1.117	.13905591

306	6.800	1.160	.13018936
304	6.756	1.203	.12172925
302	6.711	1.246	.11366975
300	6.667	1.289	.10600418
298	6.622	1.332	.09872484
296	6.578	1.375	.09182328
294	6.533	1.418	.08529025
292	6.489	1.461	.07911593
290	6.444	1.504	.07328981
288	6.400	1.547	.06780100
286	6.356	1.590	.06263810
284	6.311	1.633	.05778948
282	6.267	1.676	.05324315
280	6.222	1.719	.04898704
278	6.178	1.762	.04500889
276	6.133	1.805	.04129644
274	6.089	1.848	.03783740
272	6.044	1.891	.03461959
270	6.000	1.934	.03163089
268	5.956	1.977	.02885940
266	5.911	2.020	.02629338
264	5.867	2.063	.02392139
262	5.822	2.106	.02173220
260	5.778	2.149	.01971497
258	5.733	2.192	.01785911
256	5.689	2.235	.01615446
254	5.644	2.278	.01459118
252	5.600	2.321	.01315985
250	5.556	2.364	.01185142
248	5.511	2.407	.01065725
246	5.467	2.449	.00956913
244	5.422	2.492	.00857923
242	5.378	2.535	.00768014
240	5.333	2.578	.00686487
238	5.289	2.621	.00612678
236	5.244	2.664	.00545967
234	5.200	2.707	.00485770
232	5.156	2.750	.00431539
230	5.111	2.793	.00382765
228	5.067	2.836	.00338969
226	5.022	2.879	.00299711
224	4.978	2.922	.00264577
222	4.933	2.965	.00233188
220	4.889	3.008	.00205191
218	4.844	3.051	.00180263
216	4.800	3.094	.00158104
214	4.756	3.137	.00138440
212	4.711	3.180	.00121021
210	4.667	3.223	.00105616

M= 5 , N=10

440	8.000	0.0	.49819839
438	7.964	0.037	.48362088
436	7.927	0.074	.46908861
434	7.891	0.111	.45461959
432	7.855	0.148	.44023269
430	7.818	0.185	.42594522
428	7.782	0.222	.41177523
426	7.745	0.259	.39773899
424	7.709	0.296	.38385355
422	7.673	0.333	.37013406
420	7.636	0.370	.35659611
418	7.600	0.407	.34325355
416	7.564	0.444	.33012050
414	7.527	0.481	.31720936
412	7.491	0.518	.30453253
410	7.455	0.555	.29210079
408	7.418	0.592	.27992481
406	7.382	0.629	.26801366
404	7.345	0.666	.25637627
402	7.309	0.703	.24501985
400	7.273	0.739	.23395151
398	7.236	0.776	.22317684
396	7.200	0.813	.21270096
394	7.164	0.850	.20252770
392	7.127	0.887	.19266057
390	7.091	0.924	.18310165
388	7.055	0.961	.17385256
386	7.018	0.998	.16491401
384	6.982	1.035	.15628594
382	6.945	1.072	.14796752
380	6.909	1.109	.13995719
378	6.873	1.146	.13225281
376	6.836	1.183	.12485147
374	6.800	1.220	.11774963
372	6.764	1.257	.11094344
370	6.727	1.294	.10442817
368	6.691	1.331	.09819889
366	6.655	1.368	.09224999
364	6.618	1.405	.08657569
362	6.582	1.442	.08116949
360	6.545	1.479	.07602501
358	6.509	1.516	.07113522
356	6.473	1.553	.06649309
354	6.436	1.590	.06209119
352	6.400	1.627	.05792201
350	6.364	1.664	.05397785
348	6.327	1.701	.05025102
346	6.291	1.738	.04673363
344	6.255	1.775	.04341784
342	6.218	1.812	.04029575
340	6.182	1.849	.03735951

338	6.145	1.886	.03460127
336	6.109	1.923	.03201333
334	6.073	1.960	.02958798
332	6.036	1.997	.02731772
330	6.000	2.034	.02519510
328	5.964	2.071	.02321287
326	5.927	2.108	.02136391
324	5.891	2.144	.01964131
322	5.855	2.181	.01803831
320	5.818	2.218	.01654839
318	5.782	2.255	.01516518
316	5.745	2.292	.01388258
314	5.709	2.329	.01269466
312	5.673	2.366	.01159576
310	5.636	2.403	.01058040
308	5.600	2.440	.00964335
306	5.564	2.477	.00877960
304	5.527	2.514	.00798437
302	5.491	2.551	.00725309
300	5.455	2.588	.00658144
298	5.418	2.625	.00596528
296	5.382	2.662	.00540072
294	5.345	2.699	.00488406
292	5.309	2.736	.00441180
290	5.273	2.773	.00398066
288	5.236	2.810	.00358752
286	5.200	2.847	.00322949
284	5.164	2.884	.00290382
282	5.127	2.921	.00260795
280	5.091	2.958	.00233949
278	5.055	2.995	.00209619
276	5.018	3.032	.00187597
274	4.982	3.069	.00167689
272	4.945	3.106	.00149715
270	4.909	3.143	.00133507
268	4.873	3.180	.00118909
266	4.836	3.217	.00105779

M= 6 , N= 2

34	11.333	0.128	.48596776
32	10.667	0.383	.39141846
30	10.000	0.638	.30288196
28	9.333	0.893	.22462887
26	8.667	1.148	.15920800
24	8.000	1.403	.10772061
22	7.333	1.658	.06937897
20	6.667	1.914	.04257723
18	6.000	2.169	.02472500
16	5.333	2.424	.01360880
14	4.667	2.679	.00698224
12	4.000	2.934	.00335841
10	3.333	3.189	.00146220

M= 6 , N= 3

70	11.667	0.0	.51687628
68	11.333	0.152	.45827866
66	11.000	0.305	.40094453
64	10.667	0.457	.34587669
62	10.333	0.610	.29416567
60	10.000	0.762	.24643755
58	9.667	0.915	.20322621
56	9.333	1.067	.16496706
54	9.000	1.220	.13170356
52	8.667	1.372	.10336328
50	8.333	1.525	.07974768
48	8.000	1.677	.06043706
46	7.667	1.830	.04497121
44	7.333	1.982	.03285082
42	7.000	2.135	.02353624
40	6.667	2.287	.01652906
38	6.333	2.440	.01137168
36	6.000	2.592	.00765552
34	5.667	2.745	.00503793
32	5.333	2.897	.00323674
30	5.000	3.050	.00202658
28	4.667	3.202	.00123460

M= 6 , N= 4

116	11.600	0.035	.49555457
114	11.400	0.139	.45523781
112	11.200	0.243	.41556436
110	11.000	0.347	.37688965
108	10.800	0.451	.33954453
106	10.600	0.556	.30382025
104	10.400	0.660	.26996136
102	10.200	0.764	.23816967
100	10.000	0.868	.20859677
98	9.800	0.972	.18134201
96	9.600	1.076	.15645796
94	9.400	1.181	.13395154
92	9.200	1.285	.11378545
90	9.000	1.389	.09588653
88	8.800	1.493	.08015025
86	8.600	1.597	.06644624
84	8.400	1.701	.05462558
82	8.200	1.805	.04452710
80	8.000	1.910	.03598280
78	7.800	2.014	.02882314
76	7.600	2.118	.02288212
74	7.400	2.222	.01800069
72	7.200	2.326	.01402947
70	7.000	2.430	.01083082
68	6.800	2.535	.00828066
66	6.600	2.639	.00626827
64	6.400	2.743	.00469674
62	6.200	2.847	.00348246
60	6.000	2.951	.00255443
58	5.800	3.055	.00185294
56	5.600	3.160	.00132873

M= 6 , N= 5

174	11.600	0.038	.48981762
172	11.467	0.115	.45988482
170	11.333	0.192	.43027699
168	11.200	0.269	.40114599
166	11.067	0.346	.37263525
164	10.933	0.423	.34487778
162	10.800	0.500	.31799442
160	10.667	0.577	.29209274
158	10.533	0.654	.26726586
156	10.400	0.731	.24359190
154	10.267	0.808	.22113335
152	10.133	0.885	.19993740
150	10.000	0.962	.18003565
148	9.867	1.039	.16144502
146	9.733	1.115	.14416832
144	9.600	1.192	.12819517
142	9.467	1.269	.11350316
140	9.333	1.346	.10005915
138	9.200	1.423	.08782059
136	9.067	1.500	.07673717

134	8.933	1.577	.06675172
132	8.800	1.654	.05780237
130	8.667	1.731	.04982336
128	8.533	1.808	.04274672
126	8.400	1.885	.03650333
124	8.267	1.962	.03102411
122	8.133	2.039	.02624096
120	8.000	2.116	.02208767
118	7.867	2.192	.01850054
116	7.733	2.269	.01541906
114	7.600	2.346	.01278624
112	7.467	2.423	.01054900
110	7.333	2.500	.00865832
108	7.200	2.577	.00706933
106	7.067	2.654	.00574134
104	6.933	2.731	.00463771
102	6.800	2.808	.00372575
100	6.667	2.885	.00297648
98	6.533	2.962	.00236446
96	6.400	3.039	.00186749
94	6.267	3.116	.00146634
92	6.133	3.193	.00114449

M= 6 , N= 6

244	11.619	0.030	.49061042
242	11.524	0.090	.46723229
240	11.429	0.150	.44402492
238	11.333	0.209	.42106253
236	11.238	0.269	.39841652
234	11.143	0.329	.37615466
232	11.048	0.389	.35434103
230	10.952	0.449	.33303505
228	10.857	0.508	.31229132
226	10.762	0.568	.29215926
224	10.667	0.628	.27268279
222	10.571	0.688	.25390005
220	10.476	0.748	.23584348
218	10.381	0.807	.21853971
216	10.286	0.867	.20200926
214	10.190	0.927	.18626726
212	10.095	0.987	.17132300
210	10.000	1.047	.15718055
208	9.905	1.106	.14383864
206	9.810	1.166	.13129145
204	9.714	1.226	.11952853
202	9.619	1.286	.10853541
200	9.524	1.346	.09829378
198	9.429	1.405	.08878231
196	9.333	1.465	.07997656
194	9.238	1.525	.07184982
192	9.143	1.585	.06437331
190	9.048	1.645	.05751668
188	8.952	1.705	.05124837
186	8.857	1.764	.04553601
184	8.762	1.824	.04034685
182	8.667	1.884	.03564790
180	8.571	1.944	.03140640
178	8.476	2.004	.02759005
176	8.381	2.063	.02416724
174	8.286	2.123	.02110724
172	8.190	2.183	.01838043
170	8.095	2.243	.01595839
168	8.000	2.303	.01381404
166	7.905	2.362	.01192173
164	7.810	2.422	.01025732
162	7.714	2.482	.00879817
160	7.619	2.542	.00752321
158	7.524	2.602	.00641289
156	7.429	2.661	.00544917
154	7.333	2.721	.00461553
152	7.238	2.781	.00389683
150	7.143	2.841	.00327935
148	7.048	2.901	.00275064
146	6.952	2.960	.00229951
144	6.857	3.020	.00191591
142	6.762	3.080	.00159089
140	6.667	3.140	.00131647
138	6.571	3.200	.00108559

M= 6 , N= 7

326	11.643	0.016	.49440861
324	11.571	0.064	.47548789
322	11.500	0.113	.45665908
320	11.429	0.161	.43796223
318	11.357	0.209	.41943628
316	11.286	0.257	.40111887
314	11.214	0.305	.38304633
312	11.143	0.354	.36525309
310	11.071	0.402	.34777188
308	11.000	0.450	.33063334
306	10.929	0.498	.31386608
304	10.857	0.546	.29749626
302	10.786	0.595	.28154790
300	10.714	0.643	.26604235
298	10.643	0.691	.25099862
296	10.571	0.739	.23643315
294	10.500	0.788	.22235990
292	10.429	0.836	.20879030

290	10.357	0.884	.19573319
288	10.286	0.932	.18319511
286	10.214	0.980	.17118013
284	10.143	1.029	.15969008
282	10.071	1.077	.14872450
280	10.000	1.125	.13828087
278	9.929	1.173	.12835479
276	9.857	1.222	.11893982
274	9.786	1.270	.11002803
272	9.714	1.318	.10160971
270	9.643	1.366	.09367383
268	9.571	1.414	.08620811
266	9.500	1.463	.07919902
264	9.429	1.511	.07263207
262	9.357	1.559	.06649214
260	9.286	1.607	.06076312
258	9.214	1.655	.05542852
256	9.143	1.704	.05047141
254	9.071	1.752	.04587456
252	9.000	1.800	.04162058
250	8.929	1.848	.03769203
248	8.857	1.897	.03407151
246	8.786	1.945	.03074178
244	8.714	1.993	.02768584
242	8.643	2.041	.02488702
240	8.571	2.089	.02232902
238	8.500	2.138	.01999600
236	8.429	2.186	.01787264
234	8.357	2.234	.01594413
232	8.286	2.282	.01419630
230	8.214	2.331	.01261555
228	8.143	2.379	.01118894
226	8.071	2.427	.00990417
224	8.000	2.475	.00874960
222	7.929	2.523	.00771425
220	7.857	2.572	.00678780
218	7.786	2.620	.00596059
216	7.714	2.668	.00522357
214	7.643	2.716	.00456834
212	7.571	2.765	.00398709
210	7.500	2.813	.00347259
208	7.429	2.861	.00301818
206	7.357	2.909	.00261772
204	7.286	2.957	.00226560
202	7.214	3.006	.00195666
200	7.143	3.054	.00168622
198	7.071	3.102	.00145002
196	7.000	3.150	.00124418
194	6.929	3.198	.00106522

M= 6 , N= 8

420	11.667	0.0	.49964613
418	11.611	0.040	.48392391
416	11.556	0.080	.46825117
414	11.500	0.120	.45265108
412	11.444	0.160	.43714666
410	11.389	0.200	.42176008
408	11.333	0.240	.40651309
406	11.278	0.280	.39142680
404	11.222	0.320	.37652141
402	11.167	0.360	.36181635
400	11.111	0.399	.34733015
398	11.056	0.439	.33308029
396	11.000	0.479	.31908333
394	10.944	0.519	.30535471
392	10.889	0.559	.29190874
390	10.833	0.599	.27875853
388	10.778	0.639	.26591617
386	10.722	0.679	.25339234
384	10.667	0.719	.24119675
382	10.611	0.759	.22933775
380	10.556	0.799	.21782255
378	10.500	0.839	.20665699
376	10.444	0.879	.19584602
374	10.389	0.919	.18539315
372	10.333	0.959	.17530096
370	10.278	0.999	.16557074
368	10.222	1.039	.15620285
366	10.167	1.079	.14719659
364	10.111	1.118	.13855016
362	10.056	1.158	.13026094
360	10.000	1.198	.12232548
358	9.944	1.238	.11473936
356	9.889	1.278	.10749739
354	9.833	1.318	.10059381
352	9.778	1.358	.09402198
350	9.722	1.398	.08777493
348	9.667	1.438	.08184487
346	9.611	1.478	.07622373
344	9.556	1.518	.07090288
342	9.500	1.558	.06587344
340	9.444	1.598	.06112617
338	9.389	1.638	.05665154
336	9.333	1.678	.05243986
334	9.278	1.718	.04848131
332	9.222	1.758	.04476592
330	9.167	1.798	.04128372
328	9.111	1.837	.03802470
326	9.056	1.877	.03497887
324	9.000	1.917	.03213636
322	8.944	1.957	.02948735
320	8.889	1.997	.02702219

318	8.833	2.037	.02473141
316	8.778	2.077	.02260570
314	8.722	2.117	.02063599
312	8.667	2.157	.01881346
310	8.611	2.197	.01712952
308	8.556	2.237	.01557587
306	8.500	2.277	.01414451
304	8.444	2.317	.01282770
302	8.389	2.357	.01161804
300	8.333	2.397	.01050841
298	8.278	2.437	.00949202
296	8.222	2.477	.00856239
294	8.167	2.517	.00771336
292	8.111	2.556	.00693907
290	8.056	2.596	.00623399
288	8.000	2.636	.00559286
286	7.944	2.676	.00501074
284	7.889	2.716	.00448299
282	7.833	2.756	.00400524
280	7.778	2.796	.00357340
278	7.722	2.836	.00318363
276	7.667	2.876	.00283236
274	7.611	2.916	.00251626
272	7.556	2.956	.00223225
270	7.500	2.996	.00197745
268	7.444	3.036	.00174920
266	7.389	3.076	.00154505
264	7.333	3.116	.00136273
262	7.278	3.156	.00120016
260	7.222	3.196	.00105542

M= 6 , N= 9

524	11.644	0.017	.49222791
522	11.600	0.051	.47892100
520	11.556	0.084	.46565413
518	11.511	0.118	.45244151
516	11.467	0.152	.43929696
514	11.422	0.186	.42623425
512	11.378	0.220	.41326666
510	11.333	0.253	.40040720
508	11.289	0.287	.38766861
506	11.244	0.321	.37506306
504	11.200	0.355	.36260235
502	11.156	0.389	.35029775
500	11.111	0.422	.33816016
498	11.067	0.456	.32619977
496	11.022	0.490	.31442642
494	10.978	0.524	.30284917
492	10.933	0.558	.29147673
490	10.889	0.591	.28031695
488	10.844	0.625	.26937735
486	10.800	0.659	.25866461
484	10.756	0.693	.24818486
482	10.711	0.727	.23794361
480	10.667	0.760	.22794586
478	10.622	0.794	.21819568
476	10.578	0.828	.20869684
474	10.533	0.862	.19945228
472	10.489	0.896	.19046444
470	10.444	0.929	.18173516
468	10.400	0.963	.17326558
466	10.356	0.997	.16505647
464	10.311	1.031	.15710783
462	10.267	1.065	.14941931
460	10.222	1.098	.14198995
458	10.178	1.132	.13481832
456	10.133	1.166	.12790251
454	10.089	1.200	.12124020
452	10.044	1.234	.11482865
450	10.000	1.267	.10866457
448	9.956	1.301	.10274452
446	9.911	1.335	.09706455
444	9.867	1.369	.09162050
442	9.822	1.402	.08640784
440	9.778	1.436	.08142179
438	9.733	1.470	.07665735
436	9.689	1.504	.07210928
434	9.644	1.538	.06777215
432	9.600	1.571	.06364042
430	9.556	1.605	.05970828
428	9.511	1.639	.05596992
426	9.467	1.673	.05241939
424	9.422	1.707	.04905067
422	9.378	1.740	.04585772
420	9.333	1.774	.04283443
418	9.289	1.808	.03997469
416	9.244	1.842	.03727241
414	9.200	1.876	.03472152
412	9.156	1.909	.03231600
410	9.111	1.943	.03004986
408	9.067	1.977	.02791722
406	9.022	2.011	.02591225
404	8.978	2.045	.02402924
402	8.933	2.078	.02226258
400	8.889	2.112	.02060679
398	8.844	2.146	.01905648
396	8.800	2.180	.01760644
394	8.756	2.214	.01625156
392	8.711	2.247	.01498692
390	8.667	2.281	.01380771

388	8.622	2.315	.01270929
386	8.578	2.349	.01168720
384	8.533	2.383	.01073711
382	8.489	2.416	.00985485
380	8.444	2.450	.00903645
378	8.400	2.484	.00827806
376	8.356	2.518	.00757603
374	8.311	2.552	.00692682
372	8.267	2.585	.00632711
370	8.222	2.619	.00577370
368	8.178	2.653	.00526354
366	8.133	2.687	.00479376
364	8.089	2.720	.00436161
362	8.044	2.754	.00396449
360	8.000	2.788	.00359996
358	7.956	2.822	.00326569
356	7.911	2.856	.00295950
354	7.867	2.889	.00267932
352	7.822	2.923	.00242323
350	7.778	2.957	.00218939
348	7.733	2.991	.00197611
346	7.689	3.025	.00178179
344	7.644	3.058	.00160493
342	7.600	3.092	.00144414
340	7.556	3.126	.00129812
338	7.511	3.160	.00116565
336	7.467	3.194	.00104561

M= 6 , N=10

640	11.636	0.024	.48878825
638	11.600	0.053	.47733128
636	11.564	0.082	.46590477
634	11.527	0.111	.45451772
632	11.491	0.141	.44317919
630	11.455	0.170	.43189794
628	11.418	0.199	.42068255
626	11.382	0.228	.40954161
624	11.345	0.257	.39848328
622	11.309	0.286	.38751572
620	11.273	0.315	.37664670
618	11.236	0.344	.36588383
616	11.200	0.373	.35523444
614	11.164	0.402	.34470564
612	11.127	0.431	.33430409
610	11.091	0.460	.32403636
608	11.055	0.489	.31390852
606	11.018	0.519	.30392653
604	10.982	0.548	.29409593
602	10.945	0.577	.28442180
600	10.909	0.606	.27490914
598	10.873	0.635	.26556236
596	10.836	0.664	.25638568
594	10.800	0.693	.24738300
592	10.764	0.722	.23855776
590	10.727	0.751	.22991306
588	10.691	0.780	.22145170
586	10.655	0.809	.21317619
584	10.618	0.838	.20508856
582	10.582	0.867	.19719064
580	10.545	0.897	.18948382
578	10.509	0.926	.18196917
576	10.473	0.955	.17464757
574	10.436	0.984	.16751939
572	10.400	1.013	.16058481
570	10.364	1.042	.15384370
568	10.327	1.071	.14729565
566	10.291	1.100	.14093989
564	10.255	1.129	.13477552
562	10.218	1.158	.12880123
560	10.182	1.187	.12301558
558	10.145	1.216	.11741680
556	10.109	1.245	.11200297
554	10.073	1.275	.10677195
552	10.036	1.304	.10172135
550	10.000	1.333	.09684867
548	9.964	1.362	.09215111
546	9.927	1.391	.08762586
544	9.891	1.420	.08326983
542	9.855	1.449	.07907987
540	9.818	1.478	.07505274
538	9.782	1.507	.07118493
536	9.745	1.536	.06747299
534	9.709	1.565	.06391329
532	9.673	1.594	.06050222
530	9.636	1.623	.05723597
528	9.600	1.653	.05411076
526	9.564	1.682	.05112277
524	9.527	1.711	.04826811
522	9.491	1.740	.04554289
520	9.455	1.769	.04294321
518	9.418	1.798	.04046514
516	9.382	1.827	.03810479
514	9.345	1.856	.03585826
512	9.309	1.885	.03372167
510	9.273	1.914	.03169117
508	9.236	1.943	.02976296
506	9.200	1.972	.02793327
504	9.164	2.001	.02619837
502	9.127	2.031	.02455461
500	9.091	2.060	.02299836

498	9.055	2.089	.02152609
496	9.018	2.118	.02013433
494	8.982	2.147	.01881967
492	8.945	2.176	.01757878
490	8.909	2.205	.01640841
488	8.873	2.234	.01530540
486	8.836	2.263	.01426666
484	8.800	2.292	.01328918
482	8.764	2.321	.01237007
480	8.727	2.350	.01150649
478	8.691	2.379	.01069571
476	8.655	2.409	.00993508
474	8.618	2.438	.00922205
472	8.582	2.467	.00855415
470	8.545	2.496	.00792901
468	8.509	2.525	.00734434
466	8.473	2.554	.00679794
464	8.436	2.583	.00628769
462	8.400	2.612	.00581158
460	8.364	2.641	.00536767
458	8.327	2.670	.00495409
456	8.291	2.699	.00456908
454	8.255	2.728	.00421093
452	8.218	2.757	.00387804
450	8.182	2.787	.00356886
448	8.145	2.816	.00328193
446	8.109	2.845	.00301586
444	8.073	2.874	.00276932
442	8.036	2.903	.00254106
440	8.000	2.932	.00232988
438	7.964	2.961	.00213467
436	7.927	2.990	.00195436
434	7.891	3.019	.00178794
432	7.855	3.048	.00163447
430	7.818	3.077	.00149305
428	7.782	3.106	.00136283
426	7.745	3.135	.00124303
424	7.709	3.165	.00113290
422	7.673	3.194	.00103174

M= 7 , N= 2

48	16.000	0.0	.52813023
46	15.333	0.207	.44554436
44	14.667	0.414	.37270182
42	14.000	0.621	.29910642
40	13.333	0.828	.23737490
38	12.667	1.035	.17996395
36	12.000	1.242	.13445097
34	11.333	1.449	.09555274
32	10.667	1.656	.06667858
30	10.000	1.863	.04414521
28	9.333	2.070	.02860675
26	8.667	2.277	.01754098
24	8.000	2.484	.01048195
22	7.333	2.691	.00590421
20	6.667	2.898	.00322000
18	6.000	3.105	.00164317

M= 7 , N= 3

96	16.000	0.0	.51282090
94	15.667	0.124	.46488410
92	15.333	0.247	.41786015
90	15.000	0.371	.37211335
88	14.667	0.495	.32834375
86	14.333	0.619	.28688520
84	14.000	0.742	.24822021
82	13.667	0.866	.21252531
80	13.333	0.990	.18008989
78	13.000	1.113	.15091914
76	12.667	1.237	.12508231
74	12.333	1.361	.10247046
72	12.000	1.485	.08296418
70	11.667	1.608	.06635118
68	11.333	1.732	.05241478
66	11.000	1.856	.04087419
64	10.667	1.979	.03146242
62	10.333	2.103	.02389429
60	10.000	2.227	.01790018
58	9.667	2.351	.01322092
56	9.333	2.474	.00962610
54	9.000	2.598	.00690472
52	8.667	2.722	.00487800
50	8.333	2.846	.00339197
48	8.000	2.969	.00232078
46	7.667	3.093	.00156091
44	7.333	3.217	.00103171

M= 7 , N= 4

160	16.000	0.0	.50665212
158	15.800	0.085	.47364897
156	15.600	0.169	.44106817
154	15.400	0.254	.40888083
152	15.200	0.338	.37749183
150	15.000	0.423	.34688497
148	14.800	0.507	.31739795
146	14.600	0.592	.28901321
144	14.400	0.676	.26199591
142	14.200	0.761	.23631698
140	14.000	0.845	.21216881
138	13.800	0.930	.18950611
136	13.600	1.014	.16845107
134	13.400	1.099	.14893907
132	13.200	1.183	.13103139
130	13.000	1.268	.11464578
128	12.800	1.352	.09979171
126	12.600	1.437	.08637226
124	12.400	1.521	.07435846
122	12.200	1.606	.06364447
120	12.000	1.690	.05417352
118	11.800	1.775	.04583674
116	11.600	1.859	.03856182
114	11.400	1.944	.03224269
112	11.200	2.028	.02680025
110	11.000	2.113	.02213604
108	10.800	2.197	.01817249
106	10.600	2.282	.01482198
104	10.400	2.366	.01201330
102	10.200	2.451	.00967195
100	10.000	2.535	.00773645
98	9.800	2.620	.00614578
96	9.600	2.704	.00484940
94	9.400	2.789	.00379937
92	9.200	2.874	.00295602
90	9.000	2.958	.00228299
88	8.800	3.043	.00175048
86	8.600	3.127	.00133196
84	8.400	3.212	.00100589

M= 7 , N= 5

240	16.000	0.0	.50329691
238	15.867	0.062	.47885758
236	15.733	0.125	.45456243
234	15.600	0.187	.43049204

232	15.467	0.250	.40673316
230	15.333	0.312	.38336027
228	15.200	0.375	.36045134
226	15.067	0.437	.33807212
224	14.933	0.499	.31628925
222	14.800	0.562	.29515761
220	14.667	0.624	.27473068
218	14.533	0.687	.25505090
216	14.400	0.749	.23615789
214	14.267	0.811	.21808064
212	14.133	0.874	.20084476
210	14.000	0.936	.18446589
208	13.867	0.999	.16895598
206	13.733	1.061	.15431809
204	13.600	1.124	.14055139
202	13.467	1.186	.12764776
200	13.333	1.248	.11559516
198	13.200	1.311	.10437578
196	13.067	1.373	.09396839
194	12.933	1.436	.08434725
192	12.800	1.498	.07548410
190	12.667	1.560	.06734741
188	12.533	1.623	.05990398
186	12.400	1.685	.05311829
184	12.267	1.748	.04695423
182	12.133	1.810	.04137446
180	12.000	1.873	.03634168
178	11.867	1.935	.03181834
176	11.733	1.997	.02776754
174	11.600	2.060	.02415291
172	11.467	2.122	.02093925
170	11.333	2.185	.01809241
168	11.200	2.247	.01557983
166	11.067	2.309	.01337038
164	10.933	2.372	.01143475
162	10.800	2.434	.00974528
160	10.667	2.497	.00827624
158	10.533	2.559	.00700368
156	10.400	2.622	.00590553
154	10.267	2.684	.00496150
152	10.133	2.746	.00415312
150	10.000	2.809	.00346357
148	9.867	2.871	.00287770
146	9.733	2.934	.00238188
144	9.600	2.996	.00196394
142	9.467	3.059	.00161307
140	9.333	3.121	.00131969
138	9.200	3.183	.00107539

M= 7 , N= 6

336	16.000	0.0	.50131410
334	15.905	0.049	.48225588
332	15.810	0.097	.46327662
330	15.714	0.146	.44441164
328	15.619	0.194	.42570651
326	15.524	0.243	.40719497
324	15.429	0.291	.38891935
322	15.333	0.340	.37091106
320	15.238	0.388	.35320830
318	15.143	0.437	.33583915
316	15.048	0.485	.31883723
314	14.952	0.534	.30222678
312	14.857	0.582	.28603613
310	14.762	0.631	.27028525
308	14.667	0.679	.25499701
306	14.571	0.728	.24018669
304	14.476	0.776	.22587168
302	14.381	0.825	.21206230
300	14.286	0.873	.19877064
298	14.190	0.922	.18600219
296	14.095	0.971	.17376369
294	14.000	1.019	.16205621
292	13.905	1.068	.15088135
290	13.810	1.116	.14023602
288	13.714	1.165	.13011748
286	13.619	1.213	.12051874
284	13.524	1.262	.11143303
282	13.429	1.310	.10285014
280	13.333	1.359	.09476000
278	13.238	1.407	.08714968
276	13.143	1.456	.08000630
274	13.048	1.504	.07331485
272	12.952	1.553	.06706047
270	12.857	1.601	.06122647
268	12.762	1.650	.05579652
266	12.667	1.698	.05075302
264	12.571	1.747	.04607874
262	12.476	1.795	.04175563
260	12.381	1.844	.03776608
258	12.286	1.893	.03409205
256	12.190	1.941	.03071604
254	12.095	1.990	.02762042
252	12.000	2.038	.02478818
250	11.905	2.087	.02220241
248	11.810	2.135	.01984693
246	11.714	2.184	.01770581
244	11.619	2.232	.01576390
242	11.524	2.281	.01400649
240	11.429	2.329	.01241962
238	11.333	2.378	.01098987
236	11.238	2.426	.00970460

234	11.143	2.475	.00855176
232	11.048	2.523	.00752007
230	10.952	2.572	.00659885
228	10.857	2.620	.00577816
226	10.762	2.669	.00504868
224	10.667	2.717	.00440178
222	10.571	2.766	.00382941
220	10.476	2.815	.00332418
218	10.381	2.863	.00287923
216	10.286	2.912	.00248829
214	10.190	2.960	.00214561
212	10.095	3.009	.00184595
210	10.000	3.057	.00158453
208	9.905	3.106	.00135701
206	9.810	3.154	.00115947

M= 7 , N= 7

448	16.000	0.0	.50004697
446	15.929	0.039	.48464924
444	15.857	0.078	.46929628
442	15.786	0.117	.45400989
440	15.714	0.156	.43881160
438	15.643	0.196	.42372251
436	15.571	0.235	.40876317
434	15.500	0.274	.39395338
432	15.429	0.313	.37931252
430	15.357	0.352	.36485898
428	15.286	0.391	.35061049
426	15.214	0.430	.33658373
424	15.143	0.469	.32279468
422	15.071	0.509	.30925804
420	15.000	0.548	.29598790
418	14.929	0.587	.28299689
416	14.857	0.626	.27029693
414	14.786	0.665	.25789851
412	14.714	0.704	.24581134
410	14.643	0.743	.23404378
408	14.571	0.782	.22260320
406	14.500	0.822	.21149576
404	14.429	0.861	.20072663
402	14.357	0.900	.19029975
400	14.286	0.939	.18021822
398	14.214	0.978	.17048389
396	14.143	1.017	.16109771
394	14.071	1.056	.15205956
392	14.000	1.095	.14336854
390	13.929	1.135	.13502270
388	13.857	1.174	.12701929
386	13.786	1.213	.11935472
384	13.714	1.252	.11202484
382	13.643	1.291	.10502446
380	13.571	1.330	.09834808
378	13.500	1.369	.09198928
376	13.429	1.408	.08594137
374	13.357	1.448	.08019704
372	13.286	1.487	.07474846
370	13.214	1.526	.06958753
368	13.143	1.565	.06470585
366	13.071	1.604	.06009466
364	13.000	1.643	.05574492
362	12.929	1.682	.05164750
360	12.857	1.721	.04779311
358	12.786	1.761	.04417235
356	12.714	1.800	.04077577
354	12.643	1.839	.03759392
352	12.571	1.878	.03461738
350	12.500	1.917	.03183679
348	12.429	1.956	.02924285
346	12.357	1.995	.02682645
344	12.286	2.034	.02457859
342	12.214	2.074	.02249044
340	12.143	2.113	.02055339
338	12.071	2.152	.01875905
336	12.000	2.191	.01709926
334	11.929	2.230	.01556611
332	11.857	2.269	.01415194
330	11.786	2.308	.01284939
328	11.714	2.347	.01165136
326	11.643	2.387	.01055105
324	11.571	2.426	.00954193
322	11.500	2.465	.00861779
320	11.429	2.504	.00777269
318	11.357	2.543	.00700100
316	11.286	2.582	.00629736
314	11.214	2.621	.00565671
312	11.143	2.660	.00507427
310	11.071	2.699	.00454551
308	11.000	2.739	.00406622
306	10.929	2.778	.00363239
304	10.857	2.817	.00324031
302	10.786	2.856	.00288647
300	10.714	2.895	.00256764
298	10.643	2.934	.00228077
296	10.571	2.973	.00202305
294	10.500	3.012	.00179188
292	10.429	3.052	.00158482
290	10.357	3.091	.00139965
288	10.286	3.130	.00123431
286	10.214	3.169	.00108690

M= 7 , N= 8

576	16.000	0.0	.49919850
574	15.944	0.032	.48642164
572	15.889	0.065	.47367299
570	15.833	0.097	.46096510
568	15.778	0.130	.44831043
566	15.722	0.162	.43572110
564	15.667	0.194	.42320937
562	15.611	0.227	.41078681
560	15.556	0.259	.39846492
558	15.500	0.292	.38625485
556	15.444	0.324	.37416750
554	15.389	0.357	.36221313
552	15.333	0.389	.35040188
550	15.278	0.421	.33874327
548	15.222	0.454	.32724655
546	15.167	0.486	.31592035
544	15.111	0.519	.30477297
542	15.056	0.551	.29381204
540	15.000	0.583	.28304493
538	14.944	0.616	.27247822
536	14.889	0.648	.26211816
534	14.833	0.681	.25197041
532	14.778	0.713	.24204022
530	14.722	0.745	.23233199
528	14.667	0.778	.22284997
526	14.611	0.810	.21359754
524	14.556	0.843	.20457792
522	14.500	0.875	.19579339
520	14.444	0.907	.18724614
518	14.389	0.940	.17893744
516	14.333	0.972	.17086846
514	14.278	1.005	.16303957
512	14.222	1.037	.15545088
510	14.167	1.070	.14810199
508	14.111	1.102	.14099199
506	14.056	1.134	.13411963
504	14.000	1.167	.12748325
502	13.944	1.199	.12108082
500	13.889	1.232	.11490989
498	13.833	1.264	.10896772
496	13.778	1.296	.10325128
494	13.722	1.329	.09775710
492	13.667	1.361	.09248155
490	13.611	1.394	.08742076
488	13.556	1.426	.08257049
486	13.500	1.458	.07792652
484	13.444	1.491	.07348412
482	13.389	1.523	.06923866
480	13.333	1.556	.06518525
478	13.278	1.588	.06131883
476	13.222	1.621	.05763427
474	13.167	1.653	.05412636
472	13.111	1.685	.05078981
470	13.056	1.718	.04761925
468	13.000	1.750	.04460929
466	12.944	1.783	.04175452
464	12.889	1.815	.03904952
462	12.833	1.847	.03648887
460	12.778	1.880	.03406719
458	12.722	1.912	.03177913
456	12.667	1.945	.02961938
454	12.611	1.977	.02758270
452	12.556	2.009	.02566392
450	12.500	2.042	.02385796
448	12.444	2.074	.02215982
446	12.389	2.107	.02056460
444	12.333	2.139	.01906751
442	12.278	2.171	.01766388
440	12.222	2.204	.01634914
438	12.167	2.236	.01511886
436	12.111	2.269	.01396873
434	12.056	2.301	.01289459
432	12.000	2.334	.01189238
430	11.944	2.366	.01095821
428	11.889	2.398	.01008831
426	11.833	2.431	.00927905
424	11.778	2.463	.00852695
422	11.722	2.496	.00782865
420	11.667	2.528	.00718096
418	11.611	2.560	.00658080
416	11.556	2.593	.00602522
414	11.500	2.625	.00551144
412	11.444	2.658	.00503678
410	11.389	2.690	.00459869
408	11.333	2.722	.00419477
406	11.278	2.755	.00382273
404	11.222	2.787	.00348040
402	11.167	2.820	.00316571
400	11.111	2.852	.00287673
398	11.056	2.885	.00261163
396	11.000	2.917	.00236869
394	10.944	2.949	.00214627
392	10.889	2.982	.00194285
390	10.833	3.014	.00175701
388	10.778	3.047	.00158739
386	10.722	3.079	.00143274
384	10.667	3.111	.00129188
382	10.611	3.144	.00116372
380	10.556	3.176	.00104724

M= 7 , N= 9

720	16.000	0.0	.49860972
718	15.956	0.027	.48778594
716	15.911	0.055	.47698092
714	15.867	0.082	.46620232
712	15.822	0.110	.45545775
710	15.778	0.137	.44475478
708	15.733	0.165	.43410075
706	15.689	0.192	.42350304
704	15.644	0.219	.41296881
702	15.600	0.247	.40250510
700	15.556	0.274	.39211869
698	15.511	0.302	.38181639
696	15.467	0.329	.37160456
694	15.422	0.356	.36148965
692	15.378	0.384	.35147768
690	15.333	0.411	.34157449
688	15.289	0.439	.33178580
686	15.244	0.466	.32211697
684	15.200	0.494	.31257319
682	15.156	0.521	.30315936
680	15.111	0.548	.29388022
678	15.067	0.576	.28474009
676	15.022	0.603	.27574313
674	14.978	0.631	.26689327
672	14.933	0.658	.25819403
670	14.889	0.686	.24964875
668	14.844	0.713	.24126047
666	14.800	0.740	.23303199
664	14.756	0.768	.22496575
662	14.711	0.795	.21706402
660	14.667	0.823	.20932877
658	14.622	0.850	.20176160
656	14.578	0.877	.19436395
654	14.533	0.905	.18713695
652	14.489	0.932	.18008149
650	14.444	0.960	.17319816
648	14.400	0.987	.16648746
646	14.356	1.015	.15994936
644	14.311	1.042	.15358382
642	14.267	1.069	.14739054
640	14.222	1.097	.14136887
638	14.178	1.124	.13551813
636	14.133	1.152	.12983727
634	14.089	1.179	.12432516
632	14.044	1.206	.11898029
630	14.000	1.234	.11380124
628	13.956	1.261	.10878623
626	13.911	1.289	.10393333
624	13.867	1.316	.09924054
622	13.822	1.344	.09470564
620	13.778	1.371	.09032625
618	13.733	1.398	.08609992
616	13.689	1.426	.08202416
614	13.644	1.453	.07809615
612	13.600	1.481	.07431310
610	13.556	1.508	.07067227
608	13.511	1.536	.06717056
606	13.467	1.563	.06380504
604	13.422	1.590	.06057257
602	13.378	1.618	.05746997
600	13.333	1.645	.05449408
598	13.289	1.673	.05164167
596	13.244	1.700	.04890946
594	13.200	1.727	.04629418
592	13.156	1.755	.04379254
590	13.111	1.782	.04140122
588	13.067	1.810	.03911693
586	13.022	1.837	.03693635
584	12.978	1.865	.03485622
582	12.933	1.892	.03287324
580	12.889	1.919	.03098420
578	12.844	1.947	.02918586
576	12.800	1.974	.02747504
574	12.756	2.002	.02584862
572	12.711	2.029	.02430347
570	12.667	2.057	.02283655
568	12.622	2.084	.02144487
566	12.578	2.111	.02012547
564	12.533	2.139	.01887546
562	12.489	2.166	.01769201
560	12.444	2.194	.01657235
558	12.400	2.221	.01551377
556	12.356	2.248	.01451364
554	12.311	2.276	.01356938
552	12.267	2.303	.01267850
550	12.222	2.331	.01183857
548	12.178	2.358	.01104721
546	12.133	2.386	.01030215
544	12.089	2.413	.00960116
542	12.044	2.440	.00894209
540	12.000	2.468	.00832289
538	11.956	2.495	.00774153
536	11.911	2.523	.00719610
534	11.867	2.550	.00668474
532	11.822	2.578	.00620564
530	11.778	2.605	.00575711
528	11.733	2.632	.00533747
526	11.689	2.660	.00494516
524	11.644	2.687	.00457865
522	11.600	2.715	.00423648
520	11.556	2.742	.00391727
518	11.511	2.769	.00361970

516	11.467	2.797	.00334248
514	11.422	2.824	.00308442
512	11.378	2.852	.00284437
510	11.333	2.879	.00262122
508	11.289	2.907	.00241394
506	11.244	2.934	.00222154
504	11.200	2.961	.00204308
502	11.156	2.989	.00187766
500	11.111	3.016	.00172445
498	11.067	3.044	.00158266
496	11.022	3.071	.00145151
494	10.978	3.099	.00133031
492	10.933	3.126	.00121839
490	10.889	3.153	.00111510
488	10.844	3.181	.00101985

M= 7 , N=10

880	16.000	0.0	.49819046
878	15.964	0.024	.48886824
876	15.927	0.047	.47955894
874	15.891	0.071	.47026759
872	15.855	0.094	.46099907
870	15.818	0.118	.45175815
868	15.782	0.142	.44254971
866	15.745	0.165	.43337852
864	15.709	0.189	.42424917
862	15.673	0.212	.41516626
860	15.636	0.236	.40613443
858	15.600	0.260	.39715797
856	15.564	0.283	.38824129
854	15.527	0.307	.37938863
852	15.491	0.330	.37060410
850	15.455	0.354	.36189169
848	15.418	0.377	.35325539
846	15.382	0.401	.34469897
844	15.345	0.425	.33622599
842	15.309	0.448	.32784015
840	15.273	0.472	.31954473
838	15.236	0.495	.31134301
836	15.200	0.519	.30323821
834	15.164	0.543	.29523319
832	15.127	0.566	.28733087
830	15.091	0.590	.27953398
828	15.055	0.613	.27184498
826	15.018	0.637	.26426631
824	14.982	0.661	.25680017
822	14.945	0.684	.24944878
820	14.909	0.708	.24221390
818	14.873	0.731	.23509753
816	14.836	0.755	.22810113
814	14.800	0.779	.22122627
812	14.764	0.802	.21447426
810	14.727	0.826	.20784628
808	14.691	0.849	.20134336
806	14.655	0.873	.19496644
804	14.618	0.896	.18871617
802	14.582	0.920	.18259317
800	14.545	0.944	.17659789
798	14.509	0.967	.17073071
796	14.473	0.991	.16499174
794	14.436	1.014	.15938097
792	14.400	1.038	.15389842
790	14.364	1.062	.14854383
788	14.327	1.085	.14331686
786	14.291	1.109	.13821697
784	14.255	1.132	.13324374
782	14.218	1.156	.12839633
780	14.182	1.180	.12367398
778	14.145	1.203	.11907583
776	14.109	1.227	.11460090
774	14.073	1.250	.11024797
772	14.036	1.274	.10601592
770	14.000	1.298	.10190344
768	13.964	1.321	.09790921
766	13.927	1.345	.09403175
764	13.891	1.368	.09026951
762	13.855	1.392	.08662099
760	13.818	1.416	.08308452
758	13.782	1.439	.07965833
756	13.745	1.463	.07634068
754	13.709	1.486	.07312977
752	13.673	1.510	.07002372
750	13.636	1.533	.06702060
748	13.600	1.557	.06411850
746	13.564	1.581	.06131545
744	13.527	1.604	.05860937
742	13.491	1.628	.05599825
740	13.455	1.651	.05348004
738	13.418	1.675	.05105266
736	13.382	1.699	.04871400
734	13.345	1.722	.04646197
732	13.309	1.746	.04429445
730	13.273	1.769	.04220933
728	13.236	1.793	.04020449
726	13.200	1.817	.03827781
724	13.164	1.840	.03642718
722	13.127	1.864	.03465050
720	13.091	1.887	.03294568
718	13.055	1.911	.03131064
716	13.018	1.935	.02974333

714	12.982	1.958	.02824169
712	12.945	1.982	.02680371
710	12.909	2.005	.02542739
708	12.873	2.029	.02411076
706	12.836	2.053	.02285186
704	12.800	2.076	.02164878
702	12.764	2.100	.02049963
700	12.727	2.123	.01940256
698	12.691	2.147	.01835572
696	12.655	2.170	.01735735
694	12.618	2.194	.01640568
692	12.582	2.218	.01549898
690	12.545	2.241	.01463558
688	12.509	2.265	.01381383
686	12.473	2.288	.01303212
684	12.436	2.312	.01228889
682	12.400	2.336	.01158260
680	12.364	2.359	.01091176
678	12.327	2.383	.01027492
676	12.291	2.406	.00967068
674	12.255	2.430	.00909765
672	12.218	2.454	.00855450
670	12.182	2.477	.00803995
668	12.145	2.501	.00755274
666	12.109	2.524	.00709165
664	12.073	2.548	.00665552
662	12.036	2.572	.00624321
660	12.000	2.595	.00585361
658	11.964	2.619	.00548567
656	11.927	2.642	.00513837
654	11.891	2.666	.00481072
652	11.855	2.689	.00450177
650	11.818	2.713	.00421060
648	11.782	2.737	.00393634
646	11.745	2.760	.00367814
644	11.709	2.784	.00343518
642	11.673	2.807	.00320670
640	11.636	2.831	.00299193
638	11.600	2.855	.00279016
636	11.564	2.878	.00260071
634	11.527	2.902	.00242291
632	11.491	2.925	.00225615
630	11.455	2.949	.00209981
628	11.418	2.973	.00195332
626	11.382	2.996	.00181614
624	11.345	3.020	.00168775
622	11.309	3.043	.00156764
620	11.273	3.067	.00145534
618	11.236	3.091	.00135040
616	11.200	3.114	.00125238
614	11.164	3.138	.00116089
612	11.127	3.161	.00107554

Table B5: Critical values of W_F^*

M=3 α	.10	.05	.025	.01	.005	.001
n						
2	1.800	2.400	-	-	-	-
3	1.793	2.151	2.510	2.869	2.869	-
4	1.551	2.041	2.286	2.776	3.021	3.266
5	1.628	1.990	2.352	2.714	2.895	3.437
6	1.547	1.828	2.250	2.672	2.813	3.375
7	1.398	1.852	2.192	2.532	2.873	3.326
8	1.409	1.785	2.160	2.536	2.818	3.288
9	1.430	1.828	2.146	2.543	2.782	3.338
10	1.390	1.801	2.142	2.553	2.758	3.305
11	1.372	1.789	2.147	2.505	2.803	3.280
12	1.368	1.789	2.105	2.526	2.789	3.315
13	1.375	1.750	2.078	2.500	2.735	3.297
14	1.348	1.769	2.106	2.485	2.737	3.285
15	1.372	1.753	2.095	2.477	2.743	3.277
16	1.364	1.746	2.093	2.474	2.752	3.272
17	1.334	1.747	2.064	2.477	2.731	3.271
18	1.344	1.724	2.074	2.454	2.717	3.272
19	1.332	1.737	2.061	2.466	2.736	3.275
20	1.327	1.728	2.054	2.454	2.730	3.256
∞	1.282	1.645	1.960	2.326	2.576	3.090
M=4						
2	1.934	2.367	2.363	2.793	3.223	-
3	1.541	2.054	2.311	2.825	3.081	3.595
4	1.579	1.930	2.280	2.631	2.982	3.333
5	1.490	1.878	2.138	2.656	2.915	3.433
6	1.460	1.863	2.165	2.568	2.870	3.374
7	1.380	1.786	2.111	2.517	2.761	3.329
8	1.413	1.749	2.085	2.489	2.758	3.296
9	1.394	1.736	2.077	2.476	2.760	3.329
10	1.347	1.738	2.081	2.473	2.767	3.305
11	1.367	1.751	2.093	2.477	2.734	3.289
12	1.357	1.733	2.073	2.449	2.751	3.279
13	1.326	1.729	2.065	2.468	2.736	3.273
14	1.342	1.734	2.066	2.548	2.729	3.272
15	1.337	1.719	2.046	2.456	2.701	3.274
16	1.317	1.714	2.037	2.434	2.708	3.254
17	1.330	1.717	2.035	2.445	2.695	3.263
18	1.328	1.705	2.040	2.437	2.709	3.253
19	1.315	1.701	2.030	2.436	2.687	3.248
20	1.309	1.704	2.027	2.421	2.690	3.246
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=5

n \ α	.10	.05	.025	.01	.005	.001
2	1.622	1.947	2.271	2.920	2.920	3.569
3	1.551	1.939	2.327	2.714	2.908	3.490
4	1.457	1.854	2.119	2.517	2.782	3.311
5	1.370	1.761	2.152	2.543	2.837	3.326
6	1.369	1.749	2.129	2.510	2.738	3.270
7	1.349	1.778	2.085	2.453	2.759	3.311
8	1.371	1.727	2.083	2.489	2.743	3.251
9	1.332	1.719	2.063	2.449	2.707	3.266
10	1.331	1.738	2.071	2.440	2.699	3.254
11	1.322	1.709	2.064	2.451	2.709	3.257
12	1.337	1.707	2.049	2.419	2.703	3.244
13	1.318	1.698	2.028	2.434	2.687	3.245
14	1.321	1.708	2.027	2.414	2.687	3.234
15	1.319	1.698	2.040	2.410	2.678	3.214
16	1.313	1.688	2.026	2.420	2.682	3.226
17	1.305	1.700	2.026	2.404	2.679	3.211
18	1.311	1.690	2.022	2.401	2.670	3.207
19	1.314	1.693	2.014	2.409	2.671	3.211
20	1.314	1.693	2.018	2.397	2.668	3.209
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=6

2	1.658	1.914	2.169	2.679	2.934	3.444
3	1.525	1.830	2.135	2.592	2.897	3.355
4	1.389	1.805	2.118	2.535	2.743	3.264
5	1.423	1.731	2.116	2.500	2.731	3.269
6	1.346	1.764	2.063	2.482	2.721	3.259
7	1.366	1.752	2.041	2.427	2.716	3.247
8	1.358	1.718	2.037	2.437	2.716	3.236
9	1.335	1.707	2.045	2.416	2.687	3.227
10	1.333	1.711	2.031	2.409	2.670	3.223
11	1.319	1.699	2.029	2.409	2.663	3.221
12	1.320	1.701	2.036	2.417	2.663	3.200
13	1.312	1.619	2.020	2.409	2.668	3.206
14	1.316	1.692	2.015	2.409	2.659	3.197
15	1.312	1.685	2.009	2.398	2.657	3.192
16	1.303	1.686	2.011	2.395	2.660	3.191
17	1.303	1.681	2.005	2.397	2.653	3.194
18	1.311	1.683	2.006	2.391	2.652	3.187
19	1.301	1.680	2.013	2.392	2.644	3.184
20	1.299	1.683	2.002	2.386	2.652	3.184
∞	1.282	1.645	1.960	2.326	2.576	3.090

M=7

α	.10	.05	.025	.01	.005	.001
n						
2	1.449	1.863	2.277	2.691	2.898	3.312
3	1.485	1.856	2.103	2.474	2.722	3.340
4	1.352	1.775	2.113	2.451	2.704	3.296
5	1.373	1.748	2.060	2.434	2.684	3.246
6	1.359	1.747	2.038	2.426	2.717	3.203
7	1.330	1.721	2.034	2.426	2.699	3.208
8	1.329	1.718	2.042	2.431	2.690	3.209
9	1.316	1.700	2.029	2.413	2.660	3.208
10	1.321	1.699	2.029	2.406	2.666	3.185
11	1.317	1.687	2.017	2.408	2.655	3.190
12	1.307	1.689	2.015	2.397	2.651	3.196
13	1.310	1.682	2.006	2.394	2.653	3.187
14	1.308	1.685	2.005	2.383	2.644	3.182
15	1.301	1.683	2.011	2.393	2.642	3.181
16	1.305	1.676	2.011	2.382	2.645	3.172
17	1.304	1.676	2.005	2.389	2.641	3.177
18	1.300	1.673	2.006	2.379	2.641	3.175
19	1.304	1.677	2.003	2.375	2.636	3.167
20	1.296	1.676	1.996	2.376	2.635	3.171
∞	1.282	1.645	1.960	2.326	2.576	3.090

Table B6: Maximum error in the normal approximation to W_F^*

n \ m	3	4	5	6	7
11	.48	.37	.27	.21	.18
12	.45	.34	.25	.20	.17
13	.43	.32	.24	.19	.16
14	.41	.31	.23	.19	.16
15	.40	.30	.23	.18	.15
16	.37	.29	.22	.17	.15
17	.37	.28	.21	.17	.14
18	.35	.27	.20	.16	.14
19	.34	.26	.19	.16	.13
20	.33	.25	.19	.15	.13