ADJUSTING SIGNIFICANCE LEVELS IN CENSORED DATA WHEN USING MULTIPLE TESTS SIMULTANEOUSLY

by

THOMAS R. FLEMING and DAVID P. HARRINGTON

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FINAL REPORT

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Submitted by

Thomas R. Fleming
Department of Medical Statistics and Epidemiology
Mayo Clinic
Rochester, Minnesota 55901

David P. Harrington
Department of Applied Mathematics and Computer Science
University of Virginia
Charlottesville, Virginia 22901

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I. Introduction

The last thirty years have seen a considerable increase in the amount of research literature in statistics devoted to the analysis of censored failure time data. Since the seminal paper by Mantel (1966), there has been more and more emphasis in this literature on the development and study of nonparametric procedures for analyzing the types of failure time data which commonly arise in medical research. This has been an important and beneficical trend, since the parametric statistical models popular in the early study of the reliability of mechanical systems are not easily justified for biological systems. The availability of an increasing number of nonparametric procedures has caused some dilemmas, however, for the applied statistician. The most common of these problems are:

1. Are there particular kinds of departures from the null hypothesis of interest to which certain nonparametric tests are especially sensitive?

2. Suppose a statistician is unsure of the type of departure from the null hypothesis that may be observed in an experimental situation. What effect is there on the true significance level if the null hypothesis is rejected whenever at least one of a collection of nonparametric tests falls in a rejection region which has size α for that particular test?

3. Is it possible to use several test statistics simultaneously (rejecting the null hypothesis whenever at least one of the statistics indicates rejection) in such a way that the type I error probability is carefully controlled while the power of the overall procedure is acceptably large against several disparate types of possible alternatives? In particular, does the Bonferroni approximation to the overall significance level of several simultaneous tests produce an unnecessarily conservative test in this case?

The primary effort under this contract has been spent on questions 2 and 3. We have also, however, provided a brief summary of what is known about the answer to question 1, since this information is required for

the efficient choice of the two or more statistics which are to be used simultaneously. We have attempted to provide answers to these questions in the situation where the null hypothesis of interest is the equality of underlying survival distributions for two samples of censored failure time data, i.e., where the null hypothesis is H_0: $S_1(t) = S_2(t)$ for all $t \geq 0$ with $S_i(t)$ a survival function, $i = 1,2$. The statistics we examined (they will be listed in the next section) include the most common two sample nonparametric test statistics as well as some that have been proposed in the very recent literature. We did include one widely used parametric procedure, the Cox F test, in some of our investigations in order to evaluate the relative behavior of a parametric procedure.

A rigorous analysis of the properties of simultaneous test procedures requires information about the joint distribution of the test statistics being used. This knowledge is generally not available for the nonparametric procedures used in survival theory. Most of the conclusions of this study are based, therefore, on extensive simulation studies performed with the support of this contract.

The remainder of this report contains three major sections, a bibliography, and an appendix. In Section II we discuss the specific test statistics studied, summarizing their currently known properties relevant to this research. Section III presents the results of our study that pertain to the type I error probability (i.e., size) of test procedures comprised of individual statistics or of groups of simultaneously used statistics. This section is thus an account of the information produced by Monte Carlo

simulations of data with null hypothesis configurations of censoring and equal survival distributions. The appropriateness of the Bonferroni approximation to the type I error probability of simultaneous tests is examined in this section. Section IV outlines the results of our simulations under various configurations of the alternative hypothesis. Using the results discussed in Section III we tabulate and discuss the power of procedures using individual statistics or groups of statistics in selected uncensored data configurations with unequal survival distributions. The references cited in the research literature are given in Section V, while Section VI is an appendix to this report which contains numerical tables referred to in the body of the report, as well as information about the specific configurations used in the Monte Carlo simulations.

II. Specific Statistics Studied and Their Properties

A. Introduction and Notation

The nine nonparametric statistics and one parametric statistic we considered are listed below along with the abbreviation used for that statistic in this manuscript. In cases where the statistic has no commonly accepted name, an appropriate notation will be used for both the name and the abbreviation.

Statistic	Abbreviation
G^{ρ}, $\rho = 0, 1/2, 1, 2$	Same
Log-rank	L-R (also G^{0})
Peto and Peto Wilcoxon	PPW (also G^{1})
Generalized-Smirnov	G-S
K^{α}, $\alpha = 0,1,2$	Same
Gehan-Wilcoxon	G-W
Cox F	Same

It will become clear later on that the G^0 procedure is identical to L-R, while the G^1 is the PPW test. Thus the eleven listed nonparametric tests include only nine distinct ones.

To adequately describe these test procedures we must establish some consistent notation. All of the notation used in this report is summarized here for the convenience of the reader. Unfortunately, a uniform notation for survival theory models and procedures is not in current use in the statistical literature. The notation used here will be consistent with that used in our previous EBON report (Fleming and Harrington (1979)) whenever possible.

$\left.\begin{matrix} X_{11},\ldots,X_{1N_1} \\ X_{21},\ldots,X_{2N_2} \end{matrix}\right\}$ = two independent samples of failure time variables.

$\left.\begin{matrix} Y_{11},\ldots,Y_{1N_1} \\ Y_{21},\ldots,Y_{2N_2} \end{matrix}\right\}$ = two independent samples of censoring time variables.

$\{T_{ij} = \min(X_{ij},Y_{ij}),\ i = 1,2,\ 1\leq j\leq N_i\}$ = two independent samples of observation time random variables

$S_i(t) = P(X_{ij}>t)$

$C_i(t) = P(Y_{ij}>t)$

$H_i(t) = P(T_{ij}>t)$ (assumed to be $S_i(t)C_i(t)$)

$\nu_i(t) = -\frac{d}{dt}\ell n S_i(t)$

$\beta_i(t) = -\ell n S_i(t)$

$\alpha_i(t) = -\ell n C_i(t)$

$N_i(t)$ = number of experimental units in sample i still under observation just prior to time t (i.e., the size of the risk set in sample i at time t)

$D_i(t)$ = number of deaths observed in sample i at time t.

$L_i(t)$ = number of censorships observed in sample i at time t.

$\{t_1<t_2<\ldots<t_d\}$ = the set of d distinct ordered observed death times in the pooled sample.

$\{\tau_1<\tau_2<\ldots<\tau_c\}$ = the set of c distinct ordered observed censorship times in the pooled sample.

$$\hat{\beta}_i(t) = \sum_{t_j<t} \sum_{k=0}^{D_i(t_j)-1} \{N_i(t_j)-k\}^{-1}$$, where $\sum_{k=0}^{-1} f(k) = 0$ for any f

$$\hat{\alpha}_i(t) = \sum_{\tau_j<t} \sum_{k=0}^{L_i(\tau_j)-1} \{N_i(\tau_j)-D_i(\tau_j)-k\}^{-1}$$

$$\hat{S}_i(t) = \exp[-\hat{\beta}_i(t)]$$

$$\hat{C}_i(t) = \exp[-\hat{\alpha}_i(t)]$$

D_i = total number of observed deaths in sample i.

$d_{ij} = D_i(t_j)$

$d_j = d_{1j} + d_{2j}$

$n_{ij} = N_i(t_j)$

$n_j = n_{1j} + n_{2j}$

$\tilde{S}(t) = \prod_{t_j<t} n_j^{-1}(n_j-d_j)$ = left continuous version of the Kaplan-Meier estimator of the survival function for the pooled sample.

$\tilde{S}_j = \tilde{S}(t_j)$

$f(s-) = \lim_{a \uparrow s} f(a)$ = left hand limit for any real valued function f(s).

$\{W(t): 0 \leq t \leq 1\}$ = Brownian bridge stochastic process.

$\{W(t): t \geq 0\}$ = Standard Weiner process.

$z_{1-\alpha}$ = the 100(1-α) percentile of the standard normal distribution.

B. Properties of the Individual Statistics

For the benefit of the reader, the properties of the statistics considered are presented below as concisely as possible. For each statistic, we list the following information: its formula; its variance estimator; the procedure based on this statistic for testing H_0: $S_1(t) = S_2(t)$ against the one sided alternative H_1: $S_1(t) \leq S_2(t)$ for all t, with strict inequality on some interval; the departures from H_0 under which the test procedure is known to be optimal or has been shown by experience to be particularly sensitive (these are described under "Properties"); and pertinent references and remarks. The theoretical properties of these procedures and all computer simulations were obtained in the situation in which no ties exist in times of observed deaths. To aid the applied statistician, however, the above notation as well as the formulation to be given for each statistic allow for tied data.

1. The G^ρ Statistics: $\rho = 0, 1/2, 1, 2$.

Formula: $G^\rho = \sum_{j=1}^{d} (\tilde{S}_j)^\rho (d_{1j} - \frac{n_{1j}}{n_j} d_j)$

Variance Estimator: $V_\rho = \sum_{j=1}^{d} (\tilde{S}_j)^{2\rho} \frac{n_{1j}}{n_j} \left(1 - \frac{n_{1j}}{n_j}\right)\left(\frac{n_j - d_j}{n_j - 1}\right) d_j$

Test Procedure: Reject H_0 at level α if and only if

$$(V_\rho)^{-1/2} G^\rho \geq z_{1-\alpha}$$

Properties: Let H^ρ be the survival function given by

$H^\rho(t) = (1+\rho e^t)^{-1/\rho}$. Distributions of the form $S^\rho_\theta(t) = H^\rho(g(t)+\theta)$, where $g(t)$ is a monotonically increasing transformation, are called time-transformed location shifts of H^ρ. For fixed ρ, a test based on G^ρ is fully efficient (i.e., has Pitman asymptotic relative efficiency 1) against two sample location alternatives $S^\rho_{\theta_i}(t)$, $i = 1,2$, when the data are censored. This full efficiency also holds for the more general two sample alternative

$$S_2 = S_1\{S_1^\rho + (1-S_1^\rho)\, e^\Delta\}^{-1/\rho} \qquad -\infty<\Delta<\infty.$$

When the data are uncensored, tests based on G^ρ are either the locally most powerful rank tests against the alternatives listed above ($\rho = 0,1$) or are asymptotically equivalent to such tests ($\rho = 1/2,2$).

Remarks and References: For $\rho = 0$, the above test reduces to the well known L-R test. As $\rho \to 0$ the two alternatives mentioned above become time-transformed location alternatives of the extreme value distribution

or, equivalently, the Lehmann alternatives $S_1 = S_2^k$. This latter alternative is often called the proportional hazards alternative, and the optimality of the L-R test to proportional hazards alternatives has been known for some time. The most important references here are: Mantel (1966); Cox (1972); Peto and Peto (1972); Prentice and Marek (1979); and Gill (1979).

When $\rho = 1$, G^ρ is essentially equivalent to the Peto and Peto generalization of the Wilcoxon rank sum test. The alternatives $S_\theta^1(t) = \{1 + e^{g(t)+\theta}\}^{-1}$ are time-transformed location alternatives for the logistic distribution, and the more general alternatives $S_2 = S_1\{S_1 + (1-S_1)e^{\Delta}\}^{-1}$ are called logistic type alternatives. Pertinent references are: Peto and Peto (1972); Tarone and Ware (1977); Prentice (1978); and Gill (1979).

The general class of statistics G^ρ, $\rho \geq 0$, is examined rigorously in Harrington and Fleming (1981). From an heuristic point of view, the most salient feature of the family G^ρ is as follows: the larger the value of ρ, the more emphasis the statistic G^ρ places on observed changes in survival differences between the two samples which occur when $\tilde{S} = 1$. Such differences are called early differences.

2. The Generalized-Smirnov Statistic (G-S).

Formula:

$$Y_{N_1,N_2}(t) = \frac{1}{2}\{\hat{S}_1(t)+\hat{S}_2(t)\}\int_0^t \left\{\frac{N_1\hat{C}_1(s-)N_2\hat{C}_2(s-)}{N_1\hat{C}_1(s-)+N_2\hat{C}_2(s-)}\right\}^{1/2} I_{[N_1(s)N_2(s)>0]}$$

$$d\{\hat{\beta}_1(s)-\hat{\beta}_2(s)\}$$

Variance Estimator: Not needed.

Test Procedure: Reject H_0 at level α if and only if

$$\sup_{0\le t\le T} Y_{N_1,N_2}(t) > w_{1-\alpha,1-S(T)}$$

where

$$T = \sup\{t: N_1(t)N_2(t)>0\}$$

and

$$P\left\{\sup_{0\le t\le 1-S(T)} W(t) \ge w_{1-\alpha,1-S(T)}\right\} = 1-\alpha.$$

The significance level of any observed value of $\sup_{0\le t\le T} Y_{N_1,N_2}(t)$

may be approximated by

$$P\left(\sup_{0\le t\le T} Y_{N_1,N_2}(t)>y\right) = 1- \Phi\{y/(R-R^2)^{\frac{1}{2}}\} + \Phi\{y(2R-1)/(R-R^2)^{\frac{1}{2}}\}\{\exp(-2y^2)\}$$

where

$$R = 1- \frac{1}{2}[\exp\{-\hat{\beta}_1(T)\} + \exp\{-\hat{\beta}_2(T)\}]$$

and where $\Phi(x)$ is the value at x of the cumulative distribution function for a standard normal variate.

Properties: The properties of the G-S procedure have thus far been established by only heuristic and simulation methods. An extensive discussion of this procedure is contained in the previous Ebon Report by Fleming and Harrington, "An Investigation into the Operating

Characteristics of Some Two-Sample Test Procedures Used for Censored Survival Data". Briefly, the evidence contained in that report supports the conclusion that the G-S procedure is a versatile test statistic and is very sensitive to crossing hazards alternatives. The procedure is especially sensitive to departures from H_0 in which the two survival distributions exhibit a substantial difference in their middle range, but possibly have this difference disappear later in time.

Remarks and References: The G-S procedure was proposed and studied in detail in Fleming, O'Fallon, O'Brien and Harrington (1980). As mentioned above, it is also discussed in a previous EBON final report by Fleming and Harrington.

3. The K^{α} Procedures: $\alpha = 0,1,2$.

Formula:

$$B^{\alpha}_{N_1,N_2}(t) = \int_0^t \frac{1}{2}[\{\hat{S}_1(s-)\}^{\alpha} + \{\hat{S}_2(s-)\}^{\alpha}] \left\{\frac{N_1\hat{C}_1(s-)N_2\hat{C}_2(s-)}{N_1\hat{C}_1(s-)+N_2\hat{C}_2(s-)}\right\}^{1/2}$$

$$I_{[N_1(s)N_2(s)>0]}\{d\hat{\beta}_1(s)-d\hat{\beta}_2(s)\}.$$

Variance Estimator:

$$V_{K^{\alpha}}(t) = \int_0^t \{N_1\hat{C}_1(s-)+N_2\hat{C}_2(s-)\}^{-1} \left[\frac{1}{2}[\{\hat{S}_1(s-)\}^{\alpha} + \{\hat{S}_2(s-)\}^{\alpha}]\right]^2$$

$$I_{[N_1(s)N_2(s)>0]}[N_2\hat{C}_2(s-)\{\hat{S}_1(s-)\}^{-1}d\hat{\beta}_1(s) + N_1\hat{C}_1(s-)\{\hat{S}_2(s-)\}^{-1}d\hat{\beta}_2(s)].$$

Test Procedure: Reject H_0 if and only if

$$K^{\alpha}_{N_1,N_2} \equiv \sup_{0\le t\le T} \{V_{K^{\alpha}}(T)\}^{-\frac{1}{2}} B_{N_1,N_2}(t) \ge w_{1-\alpha}$$

where

$$T = \sup\{t: N_1(t)N_2(t)>0\}$$

and

$$P\{\sup_{0\le t\le 1} W(t) \ge w_{1-\alpha}\} = 1-\alpha.$$

The significance level for any value y of the statistic $K^{\alpha}_{N_1,N_2}$ may be approximated by

$$P(K^{\alpha}_{N_1,N_2} > y) = \frac{2}{\sqrt{2\pi}} \int_y^{\infty} \exp[-x^2/2]dx.$$

Properties: The $K^{\alpha}_{N_1,N_2}$ procedures are based on suprema of scaled empirical process, and hence can be expected to be sensitive to departures from H_0 in which substantial differences in the underlying survival distributions may be present at some time points but not at others. The free parameter α plays a role analogous to the parameter ρ in the G^{ρ} statistics. For $0\le\alpha<1$, emphasis is placed on changes in the difference between the S_i which occur late in time, while if $\alpha>1$ emphasis is placed on changes in S_2-S_1 which occur early in time.

Remarks and References: The $K^{\alpha}_{N_1,N_2}$ procedures were first proposed and studied in Fleming and Harrington (1981). Their comparative properties with respect to the G-S, the L-R and the G-W tests were explored in the EBON final report referred to above.

4. Gehan-Wilcoxon Test (G-W).

Formula:

$$W = \sum_{j=1}^{d} n_j \left(d_{1j} - \frac{n_{1j}}{n_j} d_j\right)$$

Variance Estimator:

$$V_W = \sum_{j=1}^{d} n_{1j}(n_j - n_{1j})\left(\frac{n_j - d_j}{n_j - 1}\right) d_j$$

Test Procedure: Reject H_0 if and only if

$$(V_W)^{-\frac{1}{2}} W \geq z_{1-\alpha}$$

Properties: For uncensored data, the G-W test reduces to the usual Wilcoxon rank sum test. Hence it will in that case be fully efficient against logistic shift alternatives, and will be the locally most powerful rank test against those alternatives. For censored data, however, it is the PPW test which is fully efficient against logistic shift alternatives. The asymptotic properties of Gehan's procedure depend on both the underlying censoring and survival distributions. Heuristically, this may be seen by noting that the G-W test may equivalently be based on

$$\sum_{j=1}^{d} \frac{n_j}{N_1+N_2} \left(d_{1j} - \frac{n_{1j}}{n_j} d_j\right) .$$

For large sample sizes N_1 and N_2 this is a weighted sum of observed minus conditionally expected deaths, with weights that will approximately equal the probability of an individual being alive and uncensored at the time of an observed death.

Remarks and References: The G-W procedure was first proposed by Gilbert (1962), and later by Gehan (1965). In a later paper, Mantel (1967) proposed the method which is now commonly used to compute the G-W statistic. Tarone and Ware (1977) have proposed a modificiation of the G-W procedure which is somewhat more sensitive to proportional hazards alternatives.

6. The Cox F Test.

Formula:

$$F = \frac{D_2^{-1} \sum_{j=1}^{N_2} T_{2j}}{D_1^{-1} \sum_{j=1}^{N_1} T_{1j}}$$

Test Procedure: Reject H_0 at level α if and only if

$$F \geq F_{1-\alpha}(2D_2, 2D_1)$$

where $F_{1-\alpha}(2D_2, 2D_1)$ denotes the $1-\alpha$ quantile of an F variate with $2D_2$ and $2D_1$ degrees of freedom.

Properties: This F test was first proposed by Cox (1953) for testing the equality of two exponential survival distributions. $F(2D_2, 2D_1)$ is the exact sampling distribution for F when the data are uncensored, or subject to type II (order statistic) censoring. It provides only an approximate sampling distribution when the data are progressively censored. The power and the size of this test are sensitive to departures from the assumption of exponentiality.

Remarks and References: Cox (1953).

C. The Pooled Procedures

As mentioned in the Introduction, researchers occasionally evaluate several of the above statistics for a given data set. The fact that the above statistics clearly are sensitive to different types of deviations from H_0 is used as a practical rationale for doing so. If a researcher decides to use the minimum observed significance level from a group of pooled procedures to decide whether the data contradict H_0, determining the overall ("experimentwise") type I error probability can be a difficult problem. We discuss this problem in more detail in Section III C. The simulation results discussed in that section will shed some light on this problem. In this section, we will specify which of the 2^9-10 groups of pooled procedures we decided to examine and explain the reasons for our choice.

We examined nine groups of pooled procedures. Each group is, we think, a natural cluster of statistics for obtaining sensitivity either to a broad range of alternatives or to a special group of commonly encountered alternatives. The clusters we used and the corresponding reasons

are as follows:

1. G^0, G^1: The L-R and PPW are the most commonly used nonparametric procedures. Using both should produce a procedure sensitive to both proportional hazards and the non-proportional hazards logistic shift alternatives.

2. G^0, G^1, G^2: Introducing G^2 into a cluster already made up of L-R and PPW should increase sensitivity to logistic type departures that occur even earlier in time than a usual logistic shift. Since L-R is generally sensitive to departures occurring late in time, these three procedures should jointly be sensitive to departures occurring over a wide range of times.

3. All G; i.e., $G^0, G^{\frac{1}{2}}, G^1$, and G^2: This cluster was used to determine if the difference in sensitivity between $G^{\frac{1}{2}}$ and other members of G^0 is sufficient to justify the effort of calculating $G^{\frac{1}{2}}$.

4. G^0, G-W: The L-R and G-W procedures are the two nonparametric procedures that have been used for the longest time for these problems. Although there is not as much theoretical justification for pairing these two procedures, they are often used together in practice. We thought it might be useful, therefore, to some applied statisticians if we examined the performance of this pair compared to other clusters.

5. G-S, G^0: Previous simulation studies have shown that the G-S procedure is sensitive to a variety of alternatives, and particularly sensitive to some crossing hazards alternatives. By using both the G-S and G^0 (L-R) a researcher might expect to have a high probability of detecting a crossing hazards alternative or the commonly looked for proportional hazards alternative.

6. G-S, G^1: This pair should be sensitive to many crossing hazards alternatives, and to logistic shift alternatives.

7. G-S, G^0, G^1: Clearly, it is hoped that this cluster would be sensitive to crossing hazards, proportional hazards and logistic shift alternatives. One important question of interest here is as follows: to maintain a proper overall type I error probability when using tests designed against such disparate alternatives, will the rejection region for the individual tests be so small that the power against moderate departures of one type will be unacceptably low?

8. K^0, K^1, K^2: As mentioned earlier, these three procedures are sensitive to substantial survival differences which occur, respectively, late, in the middle, or early in the underlying survival functions. Thus these three procedures, when pooled, might be expected to provide good power against a wide range of departures from H_0. An important question here is whether or not this cluster will provide substantially more power than the G-S alone.

9. All; i.e., all 9 procedures: Unfortunately, it is not without precedent that an investigator will evaluate every applicable test statistic in a given situation, hoping for at least one significant value. It is commonly believed that the use of a proper size rejection region in this situation will lead to a test with very low power against some important alternatives. We therefore examined the behavior of a cluster that included all nine nonparametric statistics used here.

III. Type I Error Probabilities of the Test Procedures

A. General Information About H_0 Configurations

Ten distinct null hypothesis configurations of independent survival and censoring distributions were used to generate simulated pairs of samples of censored failure time data. The specific distributions used are given in the Appendix, but we will give a general outline here of the plan used to choose these configurations.

Configurations IA and IB used equal exponential and Weibull survival distributions, respectively, and had censoring distributions which were uniform on $(0,10^9)$. These configurations therefore produced uncensored data. Since all the nonparametric procedures we used are rank statistics, their distributions under a null hypothesis configuration in uncensored data do not depend on the particular equal survival distributions. When considering the nonparametric procedures, therefore, results obtained under configurations IA and IB can be combined. This combination has been called configuration I. Configuration II - IX were all censored data configurations. Combinations of exponential survival distributions and uniform or truncated uniform censoring distributions were chosen so that the expected percent censored in the total sample increased as the configuration number increased. These expected percents censored were 20%, 25%, 37%, 47%, 57%, 68%, 74% and 82%. We were thus able to examine the adequacy of asymptotic approximations to the size of the procedures as the severity of censorship increased from lightly censored to quite heavily censored data.

For each configuration we studied the two situations in which the two sample sizes of censored survival data were small ($N_1=N_2=20$) or moderate ($N_1=N_2=50$). One thousand (NS=1000) pairs of samples were generated for each sample size under each configuration, and the value of each of the statistics was calculated for every pair of samples. The asymptotic significance level for each of the indi-

vidual statistics was then calculated. All random variables generated in the configurations were produced by transforming uniform random variables generated with the linear congruential method (Knuth; 1969).

B. The Individual Statistics.

To assess the asymptotic approximation to the size of each of the test statistics when they are used alone, tables were produced for each configuration and sample size showing the proportion of times the calculated p-value for each test fell below each member of a sequence of values arranged in ascending order. The sequence used consisted of the forty numbers of .0025, .0050, .0075,..., .0975, .1000 and these tables are contained in the Appendix on pages A-7 to A-28. There are 22 such tables, two for each of the 10 distinct H_0 configurations (one for $N_1=N_2=20$ and one for $N_1=N_2=50$) and two for combining the results from configurations IA and IB. Tables 1 and 2 on the following pages contain important information that has been abstracted from these 22 tables.

Table 1 shows the proportion of observed p-values which were less than or equal to the nominal values $\alpha=.01$ and $\alpha=.05$ for each of the configurations and each of the individual statistics. Generally speaking, it can be used to assess the accuracy of the significance levels calculated from asymptotic distributions. The following conclusions are evident from the entries in the table.

1. None of the statistics has an asymptotic distribution which produces anti-conservative p-values, i.e., whenever an observed proportion of p-values less than or equal to a given nominal level differs substantially from the appropriate nominal level, the nominal level is nearly always the larger of the two values. The number of instances in which the proportion of observed p-values exceeds the pertinent nominal value is within the limits of variability anticipated in a simulation study of this size.

2 The asymptotic approximations to significance levels all tend to become more conservative as the expected percent censored increases. Thus, when asymptotic approximations to significance levels are used, there will be some loss of power in heavily censored data.

TABLE 1

SIZE OF INDIVIDUAL PROCEDURES

Significance Levels from Asymptotic Distributions

key: .01 size / .05 size $N_1=N_2=20$; .01 size / .05 size $N_1=N_2=50$

Configuration (expected % censored)	NS	G-S	K^0	K^1	K^2	G^0	$G^{1/2}$	G^1	G^2	G-W
I	2000	.0150 .0530	.0000 .0265	.0040 .0355	.0065 .0455	.0130 .0585	.0115 .0520	.0125 .0555	.0105 .0600	.0125 .0555
0%		.0115 .0460	.0000 .0135	.0060 .0385	.0090 .0480	.0100 .0500	.0115 .0500	.0125 .0515	.0125 .0510	.0125 .0515
II	1000	.011 .039	.000 .020	.003 .041	.005 .038	.013 .047	.008 .049	.008 .045	.008 .040	.007 .044
20%		.010 .047	.003 .028	.009 .043	.009 .042	.012 .055	.009 .050	.011 .046	.013 .046	.012 .048
III	1000	.014 .052	.000 .020	.005 .037	.006 .034	.015 .052	.014 .044	.013 .048	.010 .051	.012 .047
25%		.012 .047	.001 .037	.010 .049	.008 .046	.010 .061	.011 .058	.008 .052	.011 .053	.009 .052
IV	1000	.009 .051	.000 .019	.001 .036	.003 .041	.009 .059	.008 .059	.008 .059	.008 .056	.003 .065
37%		.013 .058	.001 .026	.005 .050	.006 .062	.009 .055	.009 .068	.009 .070	.006 .064	.007 .066
V	1000	.011 .038	.000 .024	.004 .034	.004 .037	.012 .052	.009 .057	.007 .067	.005 .068	.006 .072
47%		.009 .049	.007 .038.	.007 .047	.007 .041	.012 .054	.012 .054	.013 .055	.010 .054	.011 .054
VI	1000	.008 .035	.001 .031	.005 .032	.004 .034	.012 .045	.012 .043	.010 .042	.007 .039	.007 .038
57%		.012 .047	.002 .032	.006 .046	.010 .041	.012 .061	.014 .057	.014 .053	.017 .049	.014 .049
VII	1000	.008 .042	.002 .037	.002 .038	.002 .038	.005 .060	.006 .061	.006 .056	.008 .051	.008 .056
68%		.008 .046	.005 .042	.007 .047	.007 .046	.012 .054	.011 .057	.011 .055	.010 .055	.012 .057
VIII	1000	.008 .028	.001 .022	.003 .029	.004 .031	.009 .048	.009 .049	.007 .049	.007 .046	.007 .047
74%		.002 .029	.003 .028	.003 .032	.002 .031	.007 .041	.009 .037	.008 .039	.006 .045	.005 .042
IX	1000	.003 .018	.001 .018	.001 .020	.001 .020	.005 .043	.005 .043	.005 .043	.005 .041	.006 .043
82%		.003 .035	.001 .032	.001 .037	.002 .033	.008 .046	.008 .047	.008 .044	.008 .042	.009 .044

TABLE 2

ADJUSTED ASYMPTOTIC SIGNIFICANCE LEVELS TO GIVE PROPER SIZE:
INDIVIDUAL PROCEDURES

key: .01 size / .05 size $N_1=N_2=20$; .01 size / .05 size $N_1=N_2=50$

Configuration (expected % censored)	NS	G-S	K^0	K^1	K^2	G^0	$G^{1/2}$	G^1	G^2
I	2000	.0050 .0475	.0450 .1000	.0200 .0650	.0125 .0550	.0050 .0400	.0075 .0450	.0075 .0450	.0075 .0400
0%		.0075 .0500	.0325 .0775	.0150 .0600	.0100 .0525	.0100 .0500	.0075 .0525	.0075 .0475	.0075 .0475

3. The most conservative procedures are the K^{α} procedures, with the K^{0} procedures being the most conservative of that group. These procedures will therefore suffer the greatest loss in power when significance levels from asymptotic distributions are used.

Table 2 shows the adjusted asymptotic significance level that would have produced nearly correct observed type I error proportions for the nonparametric statistics in uncensored data. As should be expected, the K^{0} procedure requires the largest adjustment. In particular, if the null hypothesis had been rejected each time the asymptotic distribution p-value fell below .0450, then approximately 20 rejections would have occurred for the 2000 samples simulated under the uncensored null hypothesis configurations with $N_1=N_2=20$. Table 2 shows that most of the adjustments made to statistics other than the K^{α} are minor. In Section IV, we will examine what changes are made to the power of these tests when asymptotic significance levels are adjusted to give the proper size.

C. The Pooled Procedures.

There are currently no results which would enable us to determine the significance level of an observed vector of values of several nonparametric tests all calculated from the same data. The dependence structure between these tests is sufficiently complicated that the joint distribution of these test statistics is not yet available. One method occasionally used in practice is as follows. Assume that k statistics are being used. Calculate each of the k statistics being used, and find all associated p values, say $p_1, p_2, \ldots, p_k$. Then decide whether or not to reject H_0 on the basis of the value of $\min_{1\le i\le k} p_i$. Determining the actual significance level of this procedure can be difficult, however. If we reject H_0 whenever $\min_{1\le i\le k} p_i \le \alpha^*$, we are rejecting H_0 whenever at least one of the k procedures falls in a rejection region of size α^* for that particular test. If we let A_i^c (A_i complement) be the event that statistic i does not fall in its rejec-

tion region, then the Bonferroni inequality implies

$$P(\bigcap_{i=1}^{k} A_i^c) \geq 1 - \sum_{i=1}^{k} P(A_i)$$

$$= 1 - k\alpha^*.$$

If we choose $\alpha^* = \alpha/k$, we see that the probability of no rejection under H_0 ($P(\bigcap_{i=1}^{k} A_i^c)$) is bounded below by $1-\alpha$, and consequently the type I error probability is less than or equal to α. The Bonferroni procedure thus consists of rejecting H_0, with overall or experimentwise significance level α, whenever $\min_{1\leq i\leq k} p_i \leq \alpha/k$. The A_i are subsets of the sample space of outcomes for the data; in situations where the A_i are nearly pairwise disjoint, α is an accurate upper bound for the overall significance level. If the A_i have substantial overlap, then α may in fact provide a very conservative upper bound. In this latter situation, the lack of sharpness in the Bonferroni upper bound of the significance level can cause substantial losses in power for a pooled procedure.

To determine a more accurate, and hence more powerful, procedure for determining significance levels for pooled procedures we proceeded as follows. Recall that we chose to examine nine groups of pooled procedures. For each group, we tabulated the proportion of times that the minimum of the asymptotically approximated p-values of the statistics in the group was less than or equal to values in the increasing sequence .0025, .0050, .0075,..., .0975, .1000. These tables, which reveal how anti-conservative the selected pooled procedures would be if significance levels weren't adjusted for multiple testing, were constructed for each of the two sample sizes under each of the null hypothesis configurations and have been combined in pages A-7 to A-28 of the Appendix with the tables for the individual statistics referred to earlier. From these tables it was then possible to approximate those values $p^*(\alpha)$ such that the $P\{\min_{1\leq i\leq k} p_i \leq p^*(\alpha)\} \approx \alpha$ for selected

choices of α. Table 3 displays $p^*(.01)$ and $p^*(.05)$ for the sample sizes $N_1=N_2=20$ and $N_1=N_2=50$ for all of the nine groups of pooled statistics. To compare these values with Bonferroni approximations, one need only compare $p^*(.01)$ and $p^*(.05)$ with .01/k and .05/k, respectively, where k is the number of statistics in a given group.

Table 3 contains a great deal of information, and we feel that interested readers should study it carefully. Some of the important conclusions to be drawn from this table are as follows:

1. Uncensored or lightly to moderately censored data (i.e., 0% - 47% expected censored):

   a. When dealing with two statistic pooled procedures (i.e. G^0-G^1, G^0-GW, GS-G^0, or GS-G^1) or with the G^0-G^1-G^2 or GS-G^0-G^1 combinations, the Bonferroni approximation to obtain adjusted significance levels works reasonably well at the α=0.01 level, but over adjusts and yields conservative procedures at the α=0.05 level. Appropriate adjusted .05 significance levels would be about .0325 - .0350 for the two statistic pooled procedures, and about .0300 for G^0-G^1-G^2 or GS-G^0-G^1.

   b. Due to the conservativism of K^1 and especially of K^0, very little adjustment is necessary (except, as one might expect, at the α=.05 level in the moderate sample size $N_1=N_2=50$) to obtain appropriate significance levels for K^0-K^1-K^2.

   c. Here, as well as in heavily censored data, the appropriate adjustments for the four statistic pooled procedure G^0-$G^{1/2}$-G^1-G^2 are identical to those for G^0-G^1-G^2.

   d. When using the pooled procedure consisting of all nine nonparametric statistics, the Bonferroni approximation is entirely too conservative. Specifically, appropriate .01 and .05 significance levels would be about .0025 and .0225 - .0250 respectively.

2. Moderately to heavily censored data (i.e., 57% - 82% expected censored):

   a. Since test procedures based upon unadjusted asymptotic significance levels of individual statistics become more conservative as the data become more heavily censored, it is not surprising that Table 3 indicates much less adjustment is

TABLE 3

ADJUSTED ASYMPTOTIC SIGNIFICANCE LEVELS TO GIVE PROPER SIZE:
POOLED PROCEDURES

key: .01 size / .05 size $N_1=N_2=20$

.01 size / .05 size $N_1=N_2=50$

Configuration (expected % censored)	NS	G^0,G^1	G^0,G^1,G^2	ALL G	G^0,G-W	G-S,G^0	G-S,G^1	G-S,G^0,G^1	K^0,K^1,K^2	ALL
I	2000	.0050 .0300	.0025 .0250	.0025 .0250	.0050 .0300	.0025 .0275	.0050 .0325	.0025 .0250	.0125 .0450	.0025 .0225
0%		.0050 .0325	.0050 .0300	.0050 .0300	.0050 .0325	.0025 .0325	.0050 .0325	.0025 .0300	.0075 .0325	.0025 .0225
II	1000	.0075 .0375	.0050 .0350	.0050 .0350	.0075 .0375	.0050 .0350	.0075 .0425	.0050 .0325	.0150 .0475	.0050 .0275
20%		.0050 .0375	.0050 .0300	.0050 .0300	.0050 .0375	.0050 .0350	.0025 .0400	.0025 .0300	.0075 .0350	.0025 .0250
III	1000	.0050 .0325	.0050 .0300	.0050 .0300	.0050 .0325	.0025 .0400	.0025 .0400	.0025 .0325	.0100 .0500	.0025 .0250
25%		.0075 .0300	.0050 .0275	.0050 .0275	.0075 .0300	.0050 .0300	.0050 .0350	.0050 .0275	.0075 .0375	.0050 .0250
IV	1000	.0075 .0350	.0050 .0300	.0050 .0300	.0050 .0325	.0050 .0325	.0050 .0325	.0050 .0275	.0175 .0475	.0025 .0250
37%		.0050 .0325	.0050 .0275	.0050 .0275	.0025 .0275	.0025 .0275	.0050 .0250	.0025 .0225	.0100 .0325	.0025 .0200
V	1000	.0075 .0375	.0075 .0300	.0075 .0300	.0075 .0375	.0075 .0425	.0075 .0375	.0075 .0325	.0200 .0525	.0050 .0300
47%		.0075 .0375	.0050 .0325	.0050 .0325	.0050 .0325	.0050 .0325	.0050 .0375	.0050 .0325	.0100 .0400	.0050 .0275
VI	1000	.0075 .0500	.0075 .0475	.0075 .0475	.0075 .0450	.0075 .0550	.0075 .0575	.0075 .0500	.0175 .0650	.0050 .0425
57%		.0050 .0375	.0050 .0325	.0050 .0325	.0050 .0325	.0050 .0350	.0025 .0375	.0025 .0300	.0075 .0425	.0025 .0275
VII	1000	.0100 .0375	.0100 .0350	.0100 .0350	.0100 .0350	.0100 .0350	.0100 .0350	.0100 .0325	.0175 .0525	.0075 .0300
68%		.0075 .0375	.0050 .0350	.0050 .0350	.0075 .0350	.0050 .0350	.0075 .0375	.0050 .0350	.0125 .0450	.0050 .0300
VIII	1000	.0100 .0475	.0100 .0425	.0100 .0425	.0100 .0400	.0100 .0475	.0075 .0475	.0075 .0450	.0275 .0725	.0075 .0375
74%		.0100 .0525	.0100 .0450	.0100 .0450	.0100 .0450	.0125 .0575	.0100 .0525	.0100 .0525	.0150 .0650	.0075 .0400
IX	1000	.0200 .0550	.0200 .0525	.0200 .0525	.0200 .0500	.0200 .0550	.0200 .0550	.0200 .0525	.0425 .0875	.0200 .0500
82%		.0100 .0500	.0100 .0475	.0100 .0475	.0100 .0450	.0100 .0500	.0100 .0500	.0100 .0475	.0175 .0625	.0100 .0425

necessary in moderately to heavily censored data to obtain appropriate significance levels for pooled procedures.

b. The K^0-K^1-K^2 pooled procedure using unadjusted asymptotic significance levels is actually conservative in heavily censored data.

c. When using the pooled procedure consisting of all nine nonparametric procedures, as the data goes from moderately to heavily censored, appropriate .01 and .05 significance levels would go from about .0050 to .0100 and from about .0300 to .0450, respectively.

In view of the observations made in 1. and 2. above, it is clear that if one is performing multiple testing by employing several test statistics at one point in time, the Bonferroni approximation will generally yield conservative results. This, however, may not be the case if multiple testing is performed using a single test statistic which is evaluated serially as a study develops. This latter issue of the consequences of serial testing needs to be investigated.

D. The Cox F statistic

In addition to the nine individual nonparametric statistics, one parametric statistic (Cox F) was included in our investigation of size in order to exemplify the lack of robustness of parametric test procedures.

As observed earlier, configurations IA and IB present the uncensored data situation in which the two equal survival distributions are either exponential (i.e. $S_1(t) = S_2(t) = \exp-(2t)$) or Weibull (i.e. $S_1(t) = S_2(t) = \exp\{-(2t)^{1/2}\}$ respectively. The uncensored data null hypothesis distribution of the nonparametric procedures, all based upon rank statistics, has no dependence upon the particular form of the equal survival distributions. However, the table on p. A-43 of the Appendix reveals that the parametric Cox-F test clearly does not possess this important property. The table confirms that when the two equal survival distributions have constant hazard functions (i.e., the exponential distribution in Configuration IA), the Cox F statistic has the nominal central-F distribution. On the other hand, when the two equal survival distributions have decreasing hazard functions (i.e., the Weibull distribution in Configuration IB), the Cox-F becomes extremely anti-conservative. Specifically, when $N_1=N_2=20$ and when $N_1=N_2=50$, sizes of nominal .01 level tests are .125 and .131 respectively, and sizes of nominal .05 level tests are .213 and .215 respectively.

Information on the behavior of the Cox F test in lightly to heavily censored data from equal exponential survival distributions is provided in the table on p. A-44 of the Appendix. In this table, NS=500, so the large fluctuations in the estimates of size are to be anticipated. The procedure is anti-conservative in small samples of heavily censored data (i.e., for $N_1=N_2=20$ in Configuration IX) due to the excessive probability that the small number of observed deaths are all in sample 1.

IV. Power of the Test Procedures.

A. General Information about Alternative Hypothesis Configurations.

Sketches of the combinations of the unequal survival distributions used to simulate alternative hypothesis data are contained in the Appendix. It will be easier to understand our conclusions regarding power, however, if the reader has a brief outline of the kinds of H_1 configurations used in the simulations.

We used seven alternative hypothesis configurations in all. For each of these configurations, the data were not censored. Evaluation of the power of the pooled procedures in censored data would clearly have been a considerably more complex undertaking. Specifically, as indicated earlier, before power of the pooled procedures can be estimated, one first must obtain the appropriate adjusted significance level $p^*(\alpha)$ which satisfies $P(\min_{1\leq i\leq k} p_i \leq p^*(\alpha)) \simeq \alpha$. However, as clearly seen in Table 3, $p^*(\alpha)$ depends upon the extent of expected censorship under H_0, i.e., to obtain $p^*(\alpha)$ one must specify not only H_0: $S_1(t) = S_2(t)$ for all $t \geq 0$, but also what the relationship is between censoring and survival distributions under H_0. It follows in censored data that power of a pooled procedure against a specific alternative hypothesis configuration is not uniquely determined if one is only willing to state H_0: $S_1(t) = S_2(t)$ for all t. Therefore, since very little at all is known about the power of these pooled procedures, it seemed best to first concentrate on a careful study of the power properties under uncensored data only.

The seven configurations of survival distributions used to evaluate power in uncensored data are labeled X-XVI. The configurations may be briefly described as follows.

Configuration X presents a "proportional hazards" or "Lehmann" alternative. Specifically, two exponential distributions representing a doubling in median

survival were generated. The L-R test, i.e. G^0, and the parametric procedure Cox F should be efficient in detecting this alternative. Configuration XI presents a departure from the null hypothesis in which substantial differences existing between survival distributions later in time fail to exist early in time. This type of departure from H_0 could be expected to arise, for example, when one is comparing the survival of patients treated aggressively with heart or bone marrow transplantation to that of patients treated more conservatively. Here, K^0 would be expected to be the optimal procedure among those considered.

Configurations XII and XIII both present crossing hazards alternatives to the null hypothesis. In configuration XII large differences exist between survival curves over the middle range of the survival distribution although $S_1=S_2$ for both small t and large t. Configuration XIII presents the situation in which large early differences between survival curves disappear somewhat later in time, sometimes referred to as an "acceleration alternative". These types of departures from the null hypothesis are commonly observed when one is comparing survival or time to progression of disease curves for two chemotherapeutic or radiation therapy anti-tumor regimens in prospectively randomized clinical trials. K^1 and, in particular, G-S should be very sensitive to the type of departure in configuration XII whereas K^2 would be expected to be the optimal procedure among those considered for the configuration XIII alternative.

Configurations XIV, XV and XVI all represent location alternatives under the survival distributions $S_\theta^\rho(t) = (1+\rho e^{t+\theta})^{-1/\rho}$. The values of ρ are 1/2, 1 and 2, respectively. Notably, then, configuration XV represents a logistic shift alternative. $G^{1/2}$, G^1 (equivalently GW in uncensored data), and G^2 are fully

efficient procedures in detecting the departures in configurations XIV, XV and XVI, respectively. (We observe in passing that the proportional hazards configuration X is a location alternative in the distribution $S_\theta^0(t) = \exp(-e^{t+\theta}) = \lim_{\rho \to 0} S_\theta^\rho(t)$.)

For each of the seven alternative hypothesis configurations (configurations X through XVI), we studied the two situations in which the two sample sizes of uncensored survival data were small ($N_1=N_2=20$) or moderate ($N_1=N_2=50$). Five hundred (NS=500) pairs of samples were generated for each sample size under each selected configuration, and the value of each of the individual statistics was calculated for every pair of samples. After calculating the approximate significance level for each non-parametric statistic, a table was produced for each configuration and sample size showing for each procedure the proportion of times in the 500 pairs of samples that the calculated p-value (or $\min_{1 \le i \le k} p_i$ value for the pooled procedures) fell below .0025, .005, ..., .0975 and .1000 respectively. These 14 tables are contained in the Appendix on pp. A-29 to A-42. (For the interested reader, p. A-45 of the Appendix presents the corresponding tabulation for the Cox-F test, to which further reference will not be made).

B. Specific Results Regarding Power

Tables 4, 5 and 6 display the most important information produced by simulations under the alternative hypotheses. Table 4 shows the power of the individual statistics for the situations in which H_0 is rejected whenever the asymptotic approximation to the pertinent p-value falls below either .01 or .05. Table 5 shows the corresponding powers for .01 and .05 level tests based upon the individual statistics when the adjusted significance levels in Table 2 are used. Table 6 displays powers for .01 and .05 level tests based upon the pooled statistics, where H_0 is rejected whenever the minimum p-value from the cluster of statistics falls below the appropriate adjusted value found in Table 3.

These three tables contain a great deal of important information, and we encourage interested readers to study them carefully. Some of the most important conclusions to be drawn are as follows:

1. Evaluation of Power in uncensored data of the eight non parametric procedures GS, K^0, K^1, K^2, G^0, $G^{1/2}$, G^1 = GW and G^2.

a. As noted in Table 1, significance levels obtained from the asymptotic distributions of the nonparametric test statistics are in very good agreement with their corresponding nominal levels for all statistics except K^0 and K^1. K^0 and, to a lesser extent, K^1 are conservative when asymptotic significance levels are employed in small or moderate sample sizes. Therefore, for procedures other than K^0 or K^1, properly adjusted power, as given in Table 5, is in close agreement with that from the standard power calculations in Table 4, where the small and moderate sample size significance levels are approximated using asymptotic distribution results. However, as expected, proper adjustment reveals in Table 5 that K^1 and K^0 are considerably more powerful than is indicated in Table 4. Unless otherwise specified, all discussion concerning the comparative power of these eight individual statistics will be based upon results from Table 5.

TABLE 4

POWER OF INDIVIDUAL PROCEDURES

Unadjusted Asymptotic Significance Levels Used

key: .01 size / .05 size $N_1=N_2=20$; .01 size / .05 size $N_1=N_2=50$

Configuration (type of difference)	NS	G-S	K^0	K^1	K^2	G^0	$G^{1/2}$	G^1	G^2
X	500	.352 .556	.024 .320	.202 .536	.206 .480	.386 .668	.338 .620	.292 .578	.204 .456
Prop. Hazards $S^0(t)$		.738 .888	.194 .554	.782 .924	.692 .860	.858 .954	.800 .938	.734 .894	.610 .812
XI	500	.346 .520	.056 .682	.086 .338	.054 .152	.176 .406	.086 .232	.052 .152	.022 .088
Late Difference		.890 .950	.854 .990	.536 .804	.176 .354	.522 .788	.232 .468	.110 .260	.022 .112
XII Middle Difference (Xing hazards)	500	.240 .452	.002 .028	.048 .230	.130 .350	.050 .170	.086 .232	.096 .278	.106 .292
		.670 .808	.000 .016	.300 .580	.432 .674	.078 .232	.166 .396	.256 .490	.264 .512
XIII Early Difference (Xing hazards)	500	.148 .384	.002 .024	.016 .140	.120 .392	.036 .124	.062 .174	.096 .242	.154 .368
		.598 .830	.000 .014	.118 .510	.620 .872	.064 .162	.126 .294	.218 .446	.402 .678
XIV	500	.286 .512	.006 .218	.158 .464	.196 .484	.308 .548	.320 .576	.290 .564	.258 .516
$S^{1/2}(t)$		.612 .812	.058 .218	.602 .844	.634 .840	.646 .844	.694 .878	.682 .868	.604 .830
XV Logistic Shift $S^1(t)$	500	.224 .444	.014 .128	.114 .360	.164 .432	.206 .440	.222 .470	.234 .488	.204 .470
		.536 .778	.028 .126	.464 .784	.580 .826	.534 .754	.616 .834	.624 .864	.598 .828
XVI	500	.176 .354	.000 .080	.072 .284	.130 .366	.148 .336	.186 .402	.202 .416	.206 .426
$S^2(t)$		.384 .644	.008 .058	.282 .584	.458 .718	.294 .534	.406 .662	.470 .722	.516 .742

TABLE 5

POWER OF INDIVIDUAL PROCEDURES

Adjusted Asymptotic Significance Levels Used

key: .01 size / .05 size $N_1=N_2=20$; .01 size / .05 size $N_1=N_2=50$

Configuration (expected % censored)	NS	G-S	K^0	K^1	K^2	G^0	$G^{1/2}$	G^1	G^2
X	500	.264 .530	.220 .502	.332 .610	.238 .504	.296 .630	.298 .602	.250 .546	.174 .428
Prop. Hazards $S^0(t)$		.698 .888	.430 .674	.838 .942	.692 .868	.858 .954	.772 .940	.700 .892	.566 .810
XI	500	.188 .518	.510 .838	.176 .398	.062 .162	.104 .362	.072 .226	.040 .138	.020 .072
Late Difference		.888 .950	.980 1.000	.598 .838	.176 .360	.522 .788	.206 .472	.088 .250	.014 .106
XII Middle Difference (Xing Hazards)	500	.204 .452 .596 .808	.014 .062 .004 .030	.098 .304 .376 .626	.144 .372 .432 .680	.036 .150 .078 .232	.070 .220 .140 .408	.088 .264 .212 .476	.078 .256 .206 .500
XIII Early Difference (Xing hazards)	500	.100 .384 .598 .830	.006 .054 .008 .028	.046 .192 .188 .554	.146 .414 .620 .874	.024 .100 .064 .162	.046 .164 .114 .304	.078 .216 .186 .438	.134 .318 .378 .664
XIV $S^{1/2}(t)$	500	.212 .504 .564 .812	.146 .308 .158 .282	.280 .524 .664 .858	.232 .504 .634 .844	.230 .516 .646 .844	.282 .556 .660 .880	.260 .538 .648 .866	.222 .470 .562 .820
XV Logistic Shift $S^1(t)$	500	.180 .434 .484 .778	.086 .196 .086 .182	.180 .422 .550 .818	.190 .446 .580 .834	.154 .388 .534 .754	.196 .456 .564 .844	.206 .460 .598 .860	.178 .426 .544 .814
XVI $S^2(t)$	500	.132 .346 .354 .644	.030 .156 .032 .090	.138 .358 .338 .632	.158 .388 .458 .728	.094 .308 .294 .534	.152 .382 .356 .674	.170 .392 .430 .714	.162 .398 .460 .738

TABLE 6

POWER OF POOLED PROCEDURES

Adjusted Asymptotic Significance Levels Used

key: .01 size / .05 size $N_1=N_2=20$; .01 size / .05 size $N_1=N_2=50$

Configuration (expected % censored)	NS	G^0,G^1	G^0,G^1,G^2	ALL G	G-S,G^0	G-S,G^1	G-S,G^0,G^1	K^0,K^1,K^2	ALL
X	500	.318 .596	.240 .576	.242 .576	.262 .582	.292 .582	.264 .582	.278 .554	.268 .568
Prop. Hazards $S^0(t)$		.810 .944	.810 .938	.810 .940	.750 .940	.734 .902	.760 .942	.776 .926	.760 .932
XI	500	.104 .308	.082 .276	.082 .276	.192 .410	.192 .518	.192 .392	.124 .520	.192 .384
Late Difference		.446 .720	.446 .702	.446 .702	.792 .952	.790 .948	.792 .952	.776 .980	.792 .972
XII Middle Difference (Xing hazards)	500	.068 .214 .174 .424	.054 .230 .212 .454	.056 .234 .214 .458	.130 .338 .536 .798	.206 .384 .576 .798	.130 .342 .536 .760	.144 .330 .394 .628	.130 .342 .536 .750
XIII Early Difference (Xing hazards)	500	.050 .186 .162 .374	.074 .260 .318 .598	.074 .260 .318 .598	.086 .282 .420 .752	.106 .302 .520 .754	.086 .292 .422 .754	.148 .364 .574 .820	.096 .312 .426 .776
XIV $S^{1/2}(t)$	500	.276 .528 .662 .864	.220 .524 .670 .866	.222 .524 .672 .868	.218 .490 .554 .852	.260 .528 .626 .844	.232 .522 .596 .864	.260 .518 .634 .824	.238 .510 .604 .842
XV Logistic Shift $S^1(t)$	500	.200 .438 .566 .824	.154 .432 .604 .844	.156 .432 .608 .846	.148 .404 .434 .814	.208 .460 .564 .822	.162 .438 .484 .836	.200 .438 .562 .808	.170 .434 .514 .824
XVI $S^2(t)$	500	.152 .376 .380 .678	.120 .384 .456 .706	.120 .384 .456 .712	.128 .352 .278 .630	.168 .386 .414 .692	.132 .374 .314 .674	.162 .368 .424 .666	.144 .370 .358 .684

b. The L-R test (i.e., G^0), the two-sample non-parametric test procedure most commonly employed when dealing with censored survival data, is the most sensitive procedure among those considered to the proportional hazards alternative in configuration X. Interestingly the next most sensitive procedure in configuration X, K^1, has power very close to that of G^0. In addition, K^1 is more powerful than G^0 in all other configurations, with these differences being substantial in crossing hazards configurations XII and XIII.

c. Among the nonparametric procedures considered, the three which provide the greatest sensitivity to survival differences occurring early are K^2, G^2 and the Wilcoxon (i.e., G^1), where K^2 maintains this sensitivity even if substantial early differences disappear quickly in time. This latter statement is confirmed in the acceleration alternative, configuration XIII, where K^2 is the most powerful of the procedures considered. G^2, fully efficient against the departure in configuration XVI, is only slightly more sensitive than K^2 there. In turn, however, K^2 is more powerful than G^2 against all other alternatives considered. Comparison of the behavior of K^2 with the Wilcoxon statistic (i.e., G^1 or GW) is a bit more interesting. G^1, as anticipated from asymptotic efficiency results, is the most sensitive nonparametric procedure to the logistic shift alternative in configuration XV, yet it is only slightly more powerful than K^2 there. G^1 was also somewhat more powerful than K^2 in configurations XIV and X, the latter being proportional hazards, whereas K^2 was considerably more sensitive than G^1 in configurations XI, XII and XIII.

d. Clearly, among all nonparametric procedures considered, that which provides the greatest sensitivity to survival differences which occur very late, as in configuration XI, is K^0. However, K^0 lacks versatility in that it is relatively insensitive to all other departures which were inspected.

e. $G^{1/2}$, as expected, has power between that of the log-rank (G^0) and the Wilcoxon (G^1) in all seven alternatives considered except configuration XIV, where it is known to be fully efficient. One might expect, when pooling test statistics, that very little will be gained or lost by adding $G^{1/2}$ to a pool which already includes G^0 and G^1.

f. In considering the set of supremum statistics $\{K^\alpha, \alpha=0,1,2\}$ with the class of linear rank statistics $\{G^\rho, \rho=0,1/2,1,2\}$, it is clear that the appropriate comparisons are between K^1 and G^0 or G^1, and between K^2 and G^1 or G^2. From our comparative

evaluation, it might appear that the K^{α} statistics would clearly be preferred over the G^{ρ} due to the greater versatility of the former. One must consider, however, that the G^{ρ} procedures more readily allow the use of asymptotic significance levels in small and moderate sample size applications, are simpler to compute, readily allow for the calculation of asymptotic relative efficiencies, and contain as members the classical L-R and PPW test procedures.

g. When an investigator is testing for differences in survival distributions but is not sure what type of departure to anticipate, it would clearly be desirable to have a versatile test procedure which would be sensitive to a broad class of alternatives. For this reason, as indicated earlier, the investigators often inspect a given data set using several test statistics, each known to be sensitive to different types of departures from H_0. Before entering into an evaluation of the behavior of various "pooled" procedures, it would be of interest first to determine which single test statistic provides us with the most versatile test procedure, which can then serve as a baseline against which the pooled procedures could be compared. Of the nonparametric test statistics given in Table 5, the statistics which appear to be candidates for being most versatile are G-S, and the previously discussed K^1 and K^2. Upon closer inspection, one would probably eliminate K^2. Although it has very good power against early survival differences (configurations XIII-XVI), its power against survival differences occurring later in time (configurations X-XII) is relatively lower. The comparison between G-S and K^1 is quite interesting, with K^1 being clearly more sensitive than G-S to the proportional hazards departure in configuration X. On the other hand, G-S has superior power in configurations XI-XIII, with G-S being the most sensitive of all procedures considered against the crossing hazards alternative in configuration XII. If one considers the somewhat lower power of G-S against the proportional hazards alternative to be acceptable, it would probably then be considered the prime choice in the search for a versatile test procedure based upon a single statistic. Additional support for this selection is obtained by observing that G-S, unlike K^1, readily allows the use of asymptotic significance levels in small or moderate sample size applications.

2. Evaluation of the Power in uncensored data of selected pooled procedures

In essence, four types of pooled procedures are considered in Table 6. They are:

Type (i): G^0, G^1 (i.e., G^0G-W); G^0, G^1, G^2; $G^0, G^{1/2}, G^1, G^2$.
Type (ii): G-S, G^0; G-S G^1; G-S, G^0, G^1.
Type (iii): K^0, K^1, K^2.
Type (iv): "All nine"

If one is searching for the most versatile "pooled" test procedure which can be obtained by pooling the smallest number of individual test statistics, which hereafter we will assume to be the case, it is evident from Table 6 that G^0, G^1, G^2 is the best of the three procedures of type (i). Clearly, the addition of $G^{1/2}$ to G^0, G^1, G^2 adds negligible power to the latter. In type (ii) the choice between the three pooled procedures is less clear, although G-S, G^0, G^1 may be preferred due to its particularly good behavior at the $\alpha=.05$ level for $N_1=N_2=50$. It would appear from Table 6 that G-S, G^0, G^1 would be preferred over G^0, G^1, G^2. In addition, G-S, G^0, G^1 and "All nine" have remarkably similar overall power, again leading to the choice of G-S, G^0, G^1 since it requires the calculation of six fewer statistics.

In the search for the best pooled procedure, only a comparison of G-S, G^0, G^1 and K^0, K^1, K^2 remains. Careful inspection of Table 6 reveals that these two pooled procedures are quite comparable to one another in overall versatility and, in addition, each is quite comparable to the procedure based upon the single test statistic G-S. The procedure G-S offers not only the advantage of calculating two fewer statistics, but more importantly it readily allows for the computation of appropriate significance levels, even in small or moderate sample size applications.

3. General Comments on Results from the Evaluation of Power.

It is important to emphasize that this investigation should be regarded as having provided one important exploratory step, but clearly not the definitive final step, toward obtaining a thorough understanding of the relative power of these nonparametric procedures based upon single and pooled test statistics. Firstly, a more careful determination of adjusted significance levels in Tables 2 and 3, basing these computations upon 5000 - 10,000 simulations rather than 2000, would be very useful. Secondly, when attempting to obtain a procedure which is versatile against a class of alternatives to H_0, the selection of the class will obviously play an important role. Alternatives other than the ones we have chosen

here could be inspected. We have attempted to select a broad class of 7 distinctly different types of departures, each of which is commonly seen in applications. Finally, the evaluation of power was conducted in uncensored data only. Whereas these results can be anticipated to hold in lightly censored data as well, it is not clear to what extent the relative properties of the procedures would be altered in heavily censored data.

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VI. Appendix

A. Summary of Contents.

There are two major sections in this Appendix. Section B gives the formulas for the specific censoring and survival distributions used in the null hypothesis configurations I - IX, as well as sketches of the distributions used for the alternative hypothesis configurations X - XVI.

Section C contains 39 pages of tables produced on the Mayo Clinic IBM 370/158-1. Each table displays the observed proportion of times that the p-value for a single statistic, or minimum p-value from a cluster of statistics, is less than or equal to the nominal p-values listed in the extreme left hand column of the table. The statistics considered are listed across the top row of each table. The first 22 tables contain information about the null hypothesis configurations; there is one table for each of the two sample sizes for each configuration. There are thus 2 tables for each of configurations IA, IB and II - IX, while two additional tables are given which pool the results of IA and IB. The next 14 tables display information produced under the 7 alternative hypothesis configurations. Again, there is one table for each sample size. The last 3 tables contain size and power information for the Cox F test.

B. Configurations Used for Simulations

1. Null Hypothesis Configurations

Three types of censoring distributions were used throughout the H_0 configurations.

These were:

$$C^1(t) = \begin{cases} 1 & t \leq 0 \\ 1-10^{-9}t & 0<t\leq 10^9 \\ 0 & t>10^9 \end{cases}$$

$$C^2(t) = \begin{cases} 1 & t \leq 0 \\ 1-.4t & 0<t\leq 2.5 \\ 0 & t>2.5 \end{cases}$$

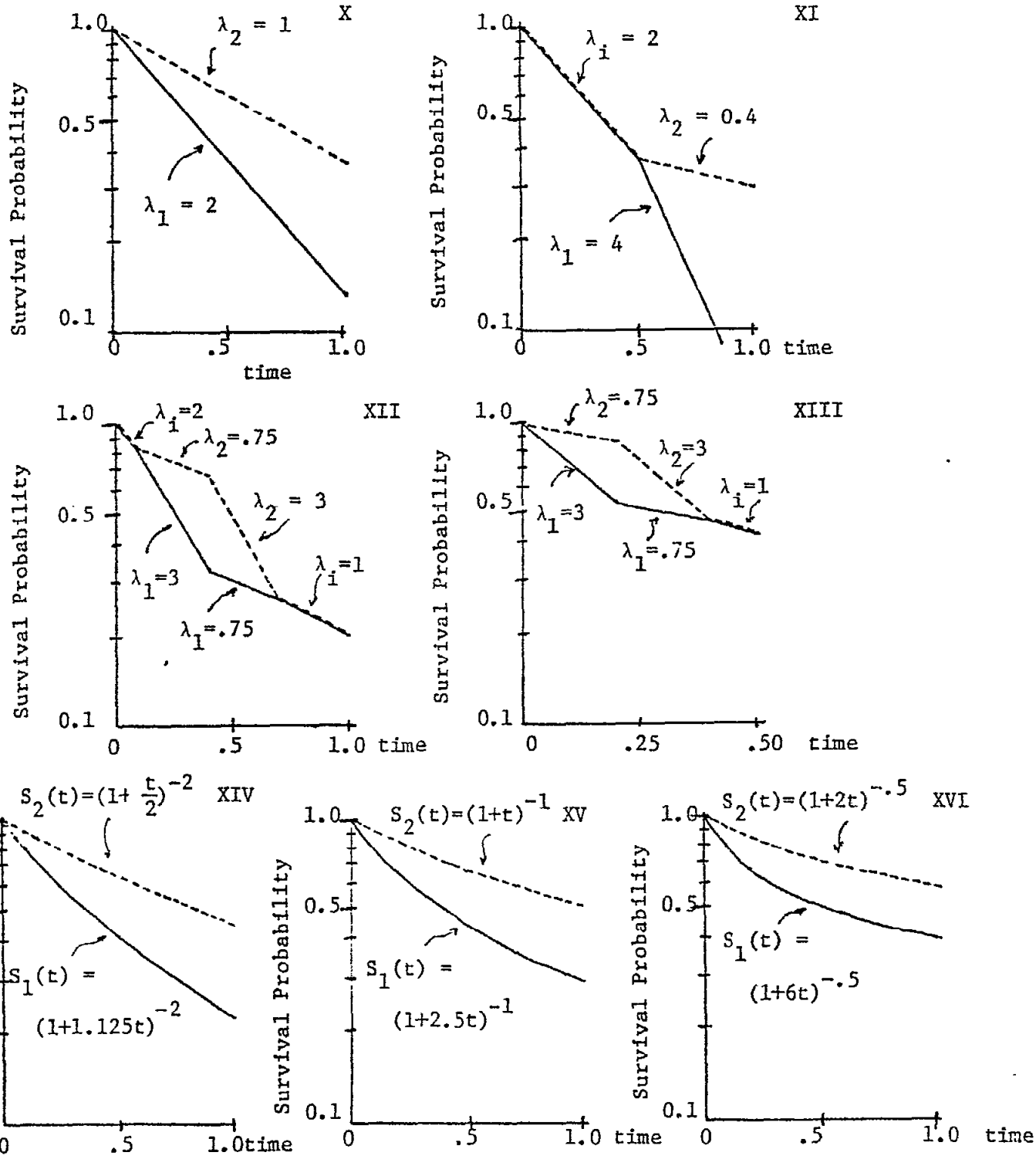
$$C^3(t) = \begin{cases} 1 & t \leq 0 \\ 1-.4t & 0<t<1 \\ 0 & t\geq 1 \end{cases}$$

C^1 produces uncensored data; C^2 simulates the uniform progressive censoring present in many patient follow-up studies; C^3 models the kind of progressive and type I censoring found in many animal studies.

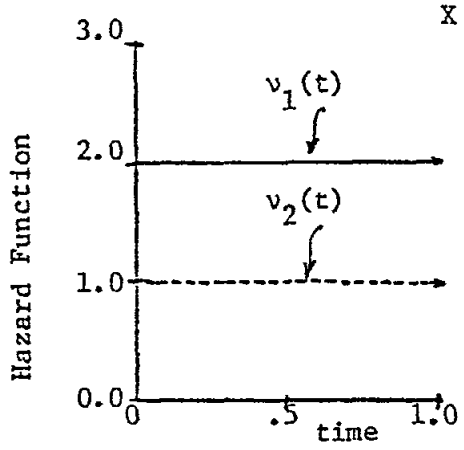
The combinations of survival and censoring distributions are shown below.

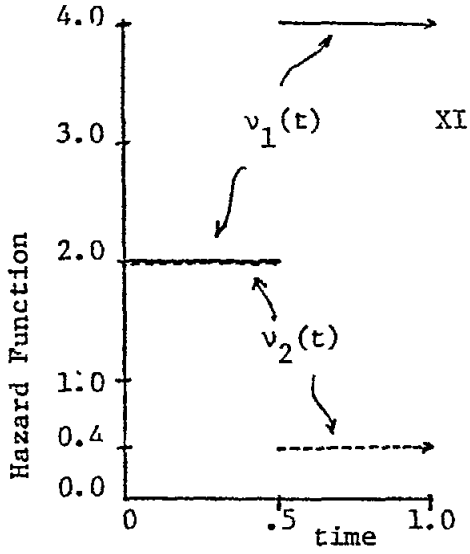
Configuration	$S_1(t) = S_2(t)$	$C_1(t) = C_2(t)$	Expected % Censored
IA	$\exp(-2t)$	$C^1(t)$	0%
IB	$\exp\{-(2t)^{.5}\}$	$C^1(t)$	0%
II	$\exp(-2t)$	$C^2(t)$	20%
III	$\exp(-2t)$	$C^3(t)$	25%
IV	$\exp(-t)$	$C^2(t)$	37%
V	$\exp(-t)$	$C^3(t)$	47%
VI	$\exp(-.5t)$	$C^2(t)$	57%
VII	$\exp(-.5t)$	$C^3(t)$	68%
VIII	$\exp(-.25t)$	$C^2(t)$	74%
IX	$\exp(-.25t)$	$C^3(t)$	82%

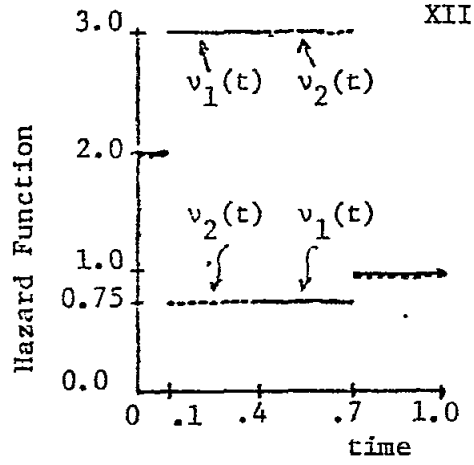
Plots of Survival Distribution Functions ($S_i(t)$, i=1,2)
for Alternative Hypothesis Configurations, Numbers X through XVI

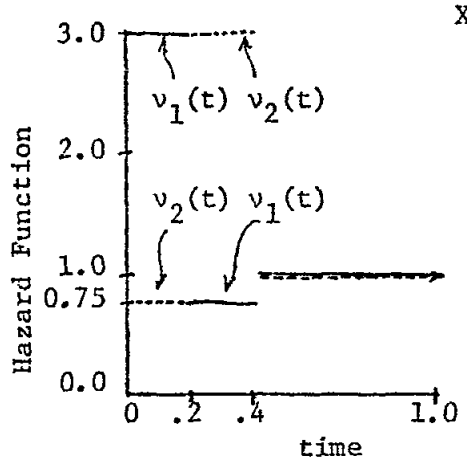


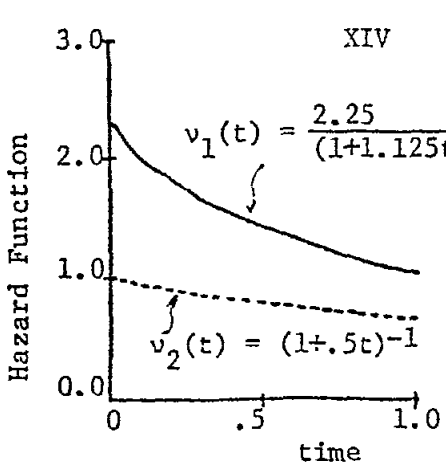
Plots of Hazard Functions ($\nu_i(t)$, i = 1,2)
for Alternative Hypothesis Configurations, Numbers X through XVI

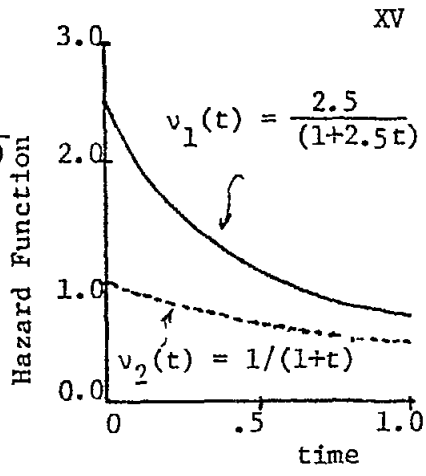


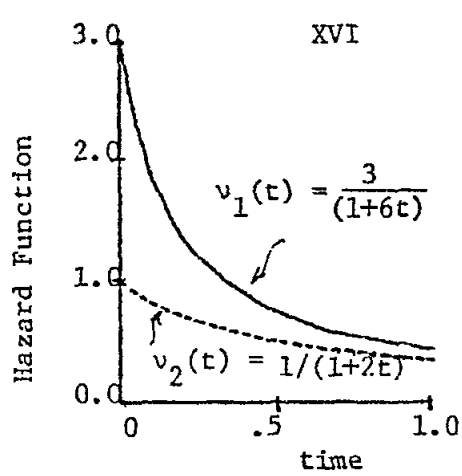












C. Simulation Results.

The following 39 pages contain the results of all simulations produced by the Mayo Clinic IBM 370/158-1.

CONFIGURATION I(A) NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.002	.000	.000	.001	.004	.002	.002	.001	.002	.005	.005	.005	.005	.004	.003	.005	.001	.005
.0050	.004	.000	.001	.001	.007	.007	.005	.005	.005	.009	.011	.011	.009	.007	.007	.009	.001	.011
.0075	.009	.000	.002	.001	.011	.010	.009	.007	.009	.014	.015	.015	.014	.015	.015	.018	.002	.019
.0100	.012	.000	.004	.004	.013	.013	.012	.011	.012	.016	.020	.020	.016	.019	.018	.022	.006	.026
.0125	.014	.000	.005	.005	.016	.018	.016	.014	.016	.022	.026	.028	.022	.023	.023	.028	.006	.033
.0150	.020	.000	.005	.010	.019	.020	.023	.018	.023	.029	.031	.031	.029	.027	.030	.035	.010	.037
.0175	.031	.001	.005	.015	.023	.023	.027	.021	.027	.034	.037	.037	.034	.041	.041	.046	.015	.047
.0200	.031	.001	.008	.017	.027	.028	.030	.023	.030	.037	.040	.040	.037	.045	.044	.049	.018	.050
.0225	.031	.003	.012	.020	.029	.031	.034	.028	.034	.040	.044	.044	.040	.047	.047	.051	.025	.053
.0250	.033	.003	.016	.023	.032	.034	.035	.034	.035	.043	.050	.051	.043	.050	.048	.053	.029	.057
.0276	.033	.003	.018	.026	.035	.035	.036	.038	.036	.046	.053	.053	.046	.051	.049	.055	.032	.059
.0300	.037	.003	.021	.029	.037	.040	.037	.039	.037	.048	.056	.057	.048	.054	.052	.058	.035	.063
.0325	.039	.007	.022	.032	.038	.042	.038	.041	.038	.049	.058	.059	.049	.056	.054	.060	.039	.066
.0350	.041	.007	.025	.037	.038	.046	.042	.048	.042	.052	.063	.064	.052	.057	.057	.063	.044	.072
.0375	.045	.007	.026	.039	.041	.049	.045	.051	.045	.054	.066	.067	.054	.063	.060	.065	.046	.075
.0400	.048	.007	.026	.042	.043	.052	.047	.051	.047	.056	.066	.067	.056	.065	.063	.068	.048	.076
.0425	.051	.007	.028	.044	.048	.053	.048	.054	.048	.059	.072	.073	.059	.069	.065	.072	.050	.082
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.0475	.051	.016	.034	.048	.055	.053	.053	.061	.053	.069	.083	.083	.069	.075	.069	.081	.062	.096
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.0550	.056	.016	.039	.053	.064	.058	.064	.069	.064	.081	.095	.095	.081	.085	.079	.093	.067	.106
.0575	.056	.016	.041	.057	.069	.059	.067	.073	.067	.087	.101	.101	.087	.089	.081	.098	.072	.110
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.0650	.056	.016	.045	.066	.075	.068	.074	.079	.074	.095	.108	.108	.095	.095	.087	.105	.079	.116
.0675	.056	.016	.046	.067	.078	.070	.074	.081	.074	.096	.110	.111	.096	.097	.087	.106	.080	.118
.0700	.062	.016	.049	.068	.079	.072	.078	.082	.078	.099	.112	.113	.099	.101	.093	.110	.082	.122
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.0800	.073	.037	.062	.078	.088	.082	.084	.088	.084	.109	.122	.122	.109	.111	.101	.121	.104	.136
.0825	.076	.037	.066	.080	.089	.085	.086	.090	.086	.111	.125	.125	.111	.114	.103	.124	.106	.141
.0850	.081	.037	.068	.082	.093	.089	.087	.091	.087	.115	.129	.130	.115	.121	.106	.130	.109	.145
.0875	.086	.037	.071	.082	.098	.091	.089	.091	.089	.121	.133	.134	.121	.130	.109	.137	.109	.150
.0900	.093	.037	.072	.083	.099	.095	.090	.092	.090	.121	.134	.136	.121	.133	.112	.139	.110	.153
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.0950	.094	.037	.076	.089	.107	.099	.093	.100	.093	.127	.144	.146	.127	.139	.115	.144	.115	.162
.0975	.094	.037	.078	.090	.109	.103	.098	.102	.098	.133	.149	.150	.133	.141	.119	.149	.115	.166
.1000	.094	.037	.081	.090	.110	.105	.098	.103	.098	.133	.150	.151	.133	.141	.119	.149	.117	.167

CONFIGURATION I(A) NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	AL
.0025	.001	.000	.000	.002	.001	.002	.003	.002	.003	.004	.004	.004	.004	.002	.003	.004	.002	.00
.0050	.006	.000	.002	.003	.005	.006	.006	.006	.006	.008	.009	.009	.008	.009	.007	.009	.004	.01
.0075	.007	.000	.004	.007	.007	.010	.012	.010	.012	.014	.015	.015	.014	.011	.013	.015	.009	.01
.0100	.011	.000	.005	.009	.011	.013	.013	.014	.013	.018	.021	.022	.018	.017	.017	.022	.011	.02
.0125	.014	.000	.007	.015	.015	.015	.015	.016	.015	.022	.026	.026	.022	.023	.021	.028	.016	.02
.0150	.015	.001	.011	.017	.016	.018	.016	.017	.015	.023	.026	.027	.023	.025	.022	.029	.019	.03
.0175	.019	.004	.014	.017	.021	.018	.019	.021	.019	.026	.029	.030	.026	.031	.027	.033	.024	.03
.0200	.024	.004	.017	.018	.024	.018	.022	.021	.022	.031	.033	.033	.031	.036	.029	.037	.027	.03
.0225	.024	.004	.020	.019	.029	.022	.023	.023	.023	.036	.039	.040	.036	.039	.030	.041	.029	.04
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.0275	.026	.007	.026	.021	.031	.030	.027	.027	.027	.040	.045	.045	.040	.040	.033	.043	.037	.05
.0300	.027	.007	.027	.022	.033	.032	.030	.029	.030	.043	.047	.047	.043	.042	.036	.046	.039	.05
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.0350	.035	.019	.031	.028	.039	.036	.036	.031	.036	.054	.056	.057	.054	.054	.047	.062	.051	.07
.0375	.035	.019	.032	.033	.040	.039	.037	.034	.037	.054	.057	.058	.054	.055	.048	.062	.056	.07
.0400	.035	.019	.033	.033	.043	.042	.040	.035	.040	.058	.061	.061	.058	.057	.050	.064	.056	.07
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.0450	.036	.019	.035	.039	.051	.054	.044	.043	.044	.065	.073	.077	.065	.064	.054	.071	.064	.09
.0475	.037	.019	.037	.040	.052	.054	.047	.046	.047	.067	.077	.079	.067	.066	.057	.074	.066	.09
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.0525	.046	.037	.042	.044	.060	.055	.051	.050	.051	.075	.084	.084	.075	.076	.068	.083	.087	.11
.0550	.050	.037	.046	.047	.063	.056	.054	.050	.054	.079	.088	.088	.079	.082	.072	.090	.090	.11
.0575	.055	.037	.047	.049	.064	.057	.056	.052	.056	.079	.089	.089	.079	.085	.074	.090	.092	.11
.0600	.056	.037	.050	.052	.066	.061	.057	.053	.057	.082	.091	.092	.082	.087	.075	.093	.098	.11
.0625	.056	.037	.052	.053	.067	.062	.059	.056	.059	.083	.091	.092	.083	.087	.076	.093	.101	.11
.0650	.056	.037	.057	.054	.069	.064	.066	.057	.066	.090	.096	.096	.090	.089	.080	.098	.102	.12
.0675	.057	.037	.060	.057	.072	.065	.069	.059	.069	.094	.100	.100	.094	.090	.083	.101	.102	.12
.0700	.057	.037	.062	.060	.073	.066	.069	.060	.069	.095	.102	.102	.095	.091	.083	.102	.105	.12
.0725	.058	.037	.063	.062	.076	.067	.069	.062	.069	.096	.105	.105	.096	.095	.084	.104	.106	.13
.0750	.058	.037	.066	.062	.082	.069	.072	.067	.072	.103	.114	.114	.103	.101	.086	.110	.106	.13
.0775	.062	.037	.069	.063	.083	.071	.073	.071	.073	.105	.118	.118	.105	.104	.087	.112	.107	.14
.0800	.065	.072	.073	.065	.087	.073	.076	.071	.076	.111	.122	.122	.111	.109	.089	.118	.138	.16
.0825	.068	.072	.075	.070	.087	.077	.077	.075	.077	.112	.123	.124	.112	.111	.092	.121	.140	.17
.0850	.071	.072	.076	.073	.089	.078	.080	.078	.080	.115	.126	.127	.115	.115	.097	.126	.143	.17
.0875	.077	.072	.080	.074	.089	.084	.083	.083	.083	.118	.130	.131	.118	.119	.102	.131	.144	.18
.0900	.087	.072	.082	.076	.092	.086	.085	.083	.085	.122	.133	.133	.122	.128	.109	.140	.147	.18
.0925	.089	.072	.085	.081	.098	.088	.087	.087	.087	.127	.139	.139	.127	.134	.111	.145	.153	.19
.0950	.089	.072	.086	.084	.100	.089	.090	.089	.090	.131	.144	.144	.131	.136	.113	.148	.154	.19
.0975	.089	.072	.090	.086	.101	.094	.096	.090	.096	.134	.145	.145	.134	.137	.118	.151	.158	.19
.1000	.092	.072	.093	.089	.103	.096	.098	.093	.098	.135	.146	.147	.135	.138	.122	.152	.163	.20

CONFIGURATION I(B) NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.006	.000	.000	.000	.005	.004	.001	.001	.001	.006	.007	.007	.006	.008	.007	.009	.000	.009
.0050	.008	.000	.001	.001	.009	.008	.007	.004	.007	.011	.012	.012	.011	.014	.010	.014	.002	.015
.0075	.015	.000	.002	.006	.012	.010	.010	.006	.010	.015	.017	.017	.015	.022	.020	.023	.006	.023
.0100	.018	.000	.004	.009	.013	.010	.013	.010	.013	.018	.020	.020	.018	.024	.021	.024	.010	.024
.0125	.022	.001	.007	.010	.017	.014	.016	.012	.016	.023	.027	.027	.023	.030	.026	.032	.012	.034
.0150	.023	.001	.009	.012	.018	.021	.018	.013	.018	.026	.029	.029	.026	.031	.028	.034	.016	.035
.0175	.023	.001	.009	.014	.023	.022	.020	.019	.020	.030	.035	.035	.030	.034	.030	.036	.016	.039
.0200	.023	.001	.011	.016	.025	.023	.026	.021	.026	.036	.039	.039	.036	.035	.034	.040	.019	.042
.0225	.023	.004	.013	.016	.028	.026	.026	.024	.026	.039	.043	.043	.039	.038	.034	.043	.024	.046
.0250	.025	.004	.016	.019	.032	.029	.028	.026	.028	.041	.046	.046	.041	.042	.037	.046	.027	.051
.0275	.025	.004	.020	.020	.035	.032	.031	.029	.031	.046	.051	.051	.046	.045	.038	.050	.027	.056
.0300	.032	.004	.021	.022	.039	.035	.035	.031	.035	.050	.056	.056	.050	.049	.043	.053	.030	.059
.0325	.036	.012	.024	.027	.042	.036	.035	.034	.035	.052	.059	.059	.052	.053	.044	.056	.039	.064
.0350	.037	.012	.025	.027	.043	.037	.036	.039	.036	.054	.064	.064	.054	.055	.046	.059	.039	.070
.0375	.039	.012	.025	.030	.046	.039	.038	.041	.038	.057	.067	.067	.057	.058	.049	.063	.041	.073
.0400	.041	.012	.026	.033	.049	.041	.040	.046	.040	.060	.072	.072	.060	.063	.053	.068	.043	.077
.0425	.043	.012	.027	.035	.053	.043	.040	.048	.040	.063	.076	.076	.063	.068	.055	.073	.045	.083
.0450	.043	.012	.031	.036	.054	.046	.044	.050	.044	.067	.078	.078	.067	.069	.059	.077	.047	.085
.0475	.043	.037	.034	.038	.056	.049	.052	.052	.052	.074	.082	.083	.074	.070	.066	.082	.068	.100
.0500	.050	.037	.036	.039	.058	.050	.053	.055	.053	.075	.085	.086	.075	.076	.072	.088	.069	.105
.0525	.050	.037	.039	.042	.060	.053	.059	.058	.059	.080	.089	.089	.080	.078	.074	.090	.072	.107
.0550	.050	.037	.042	.044	.060	.055	.060	.061	.060	.080	.091	.091	.080	.078	.075	.090	.074	.109
.0575	.050	.037	.043	.050	.064	.059	.063	.063	.063	.087	.098	.098	.087	.082	.077	.096	.077	.114
.0600	.050	.037	.045	.051	.066	.063	.068	.066	.068	.089	.101	.101	.089	.083	.081	.098	.078	.117
.0625	.052	.037	.049	.055	.069	.065	.072	.074	.072	.094	.107	.107	.094	.088	.085	.103	.082	.124
.0650	.052	.037	.054	.056	.070	.067	.074	.078	.074	.096	.111	.111	.096	.089	.087	.105	.085	.129
.0675	.052	.037	.055	.058	.071	.069	.075	.080	.075	.098	.114	.114	.098	.090	.088	.107	.087	.131
.0700	.057	.037	.057	.062	.072	.070	.076	.082	.076	.099	.115	.115	.099	.093	.091	.110	.090	.134
.0725	.057	.037	.059	.066	.073	.072	.080	.087	.080	.102	.118	.118	.102	.094	.094	.112	.093	.137
.0750	.059	.063	.061	.068	.076	.076	.080	.089	.080	.105	.121	.121	.105	.097	.095	.115	.113	.152
.0775	.059	.063	.062	.070	.079	.080	.081	.089	.081	.107	.122	.124	.107	.100	.096	.117	.114	.154
.0800	.063	.063	.065	.074	.081	.082	.086	.090	.086	.110	.124	.124	.110	.105	.100	.121	.117	.157
.0825	.067	.063	.069	.074	.083	.086	.086	.091	.086	.111	.126	.126	.111	.108	.100	.122	.120	.158
.0850	.077	.063	.070	.077	.087	.090	.091	.095	.091	.118	.131	.131	.118	.117	.111	.132	.122	.164
.0875	.083	.063	.070	.079	.091	.091	.092	.099	.092	.122	.137	.137	.122	.124	.114	.138	.124	.168
.0900	.093	.063	.073	.082	.096	.091	.092	.101	.092	.126	.142	.142	.126	.135	.118	.144	.127	.173
.0925	.095	.063	.074	.084	.096	.094	.096	.104	.096	.128	.144	.145	.128	.136	.120	.146	.129	.176
.0950	.095	.063	.074	.086	.098	.098	.096	.107	.096	.129	.147	.148	.129	.137	.120	.147	.131	.179
.0975	.095	.063	.078	.090	.102	.101	.097	.109	.097	.132	.150	.152	.132	.140	.121	.150	.134	.182
.1000	.095	.063	.079	.092	.107	.107	.097	.111	.097	.135	.155	.156	.135	.144	.121	.152	.136	.186

CONFIGURATION I(B) NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.005	.000	.001	.003	.004	.003	.003	.003	.003	.005	.005	.005	.005	.007	.005	.007	.003	.007
.0050	.008	.000	.004	.004	.006	.006	.005	.004	.005	.008	.009	.009	.008	.012	.010	.013	.006	.014
.0075	.010	.000	.007	.007	.008	.010	.008	.009	.008	.011	.013	.013	.011	.015	.013	.016	.010	.017
.0100	.012	.000	.007	.009	.009	.010	.012	.011	.012	.013	.014	.014	.013	.018	.019	.020	.012	.020
.0125	.014	.000	.007	.010	.011	.014	.015	.011	.015	.017	.018	.018	.017	.022	.023	.025	.013	.025
.0150	.019	.001	.008	.015	.012	.014	.016	.016	.016	.019	.024	.024	.019	.027	.026	.029	.017	.033
.0175	.020	.003	.008	.019	.017	.016	.019	.022	.019	.024	.031	.031	.024	.031	.028	.033	.022	.041
.0200	.026	.003	.013	.020	.019	.018	.024	.026	.024	.029	.037	.037	.029	.036	.036	.041	.025	.050
.0225	.027	.003	.016	.022	.023	.020	.026	.028	.026	.034	.041	.041	.034	.038	.039	.044	.029	.052
.0250	.027	.005	.018	.029	.024	.021	.027	.030	.027	.035	.042	.042	.035	.038	.040	.045	.036	.054
.0275	.028	.005	.021	.030	.025	.025	.027	.037	.027	.036	.048	.048	.036	.038	.041	.045	.038	.056
.0300	.030	.005	.022	.034	.026	.028	.032	.039	.032	.042	.052	.052	.042	.040	.046	.051	.042	.060
.0325	.037	.005	.024	.037	.029	.031	.034	.043	.034	.044	.055	.055	.044	.046	.050	.055	.045	.066
.0350	.042	.008	.024	.040	.031	.031	.037	.045	.037	.049	.059	.059	.049	.052	.056	.062	.050	.072
.0375	.042	.008	.027	.045	.033	.034	.037	.046	.037	.050	.061	.062	.050	.054	.056	.063	.056	.075
.0400	.044	.008	.030	.048	.033	.035	.040	.047	.040	.053	.064	.065	.053	.055	.059	.066	.060	.077
.0425	.047	.008	.034	.050	.034	.036	.043	.050	.043	.056	.066	.067	.056	.058	.063	.069	.064	.082
.0450	.048	.008	.035	.051	.039	.039	.046	.050	.046	.063	.071	.072	.063	.063	.064	.074	.065	.087
.0475	.049	.008	.036	.052	.042	.043	.047	.051	.047	.065	.074	.075	.065	.067	.066	.077	.067	.091
.0500	.051	.008	.037	.053	.045	.045	.053	.052	.053	.071	.078	.078	.071	.070	.072	.084	.069	.095
.0525	.059	.022	.038	.055	.048	.045	.055	.054	.055	.076	.083	.083	.076	.079	.077	.091	.084	.110
.0550	.068	.022	.040	.055	.052	.046	.056	.058	.056	.080	.090	.090	.080	.087	.082	.097	.084	.115
.0575	.077	.022	.043	.057	.054	.049	.060	.059	.060	.085	.093	.093	.085	.095	.087	.102	.087	.117
.0600	.080	.022	.048	.060	.056	.050	.062	.061	.062	.087	.096	.096	.087	.097	.090	.103	.091	.120
.0625	.080	.022	.053	.062	.058	.055	.062	.067	.062	.089	.100	.101	.089	.099	.090	.105	.095	.125
.0650	.081	.022	.054	.062	.060	.057	.065	.069	.065	.092	.103	.103	.092	.102	.093	.108	.095	.127
.0675	.082	.022	.057	.065	.064	.060	.069	.071	.069	.097	.107	.107	.097	.105	.096	.113	.100	.129
.0700	.082	.022	.061	.068	.068	.061	.071	.074	.071	.102	.111	.111	.102	.109	.097	.117	.105	.133
.0725	.083	.022	.064	.069	.070	.065	.072	.077	.072	.103	.113	.113	.103	.111	.098	.118	.106	.135
.0750	.084	.022	.066	.074	.071	.069	.074	.077	.074	.105	.115	.115	.105	.112	.101	.120	.111	.139
.0775	.087	.022	.068	.074	.074	.076	.076	.077	.076	.109	.117	.119	.109	.116	.105	.124	.111	.142
.0800	.089	.046	.073	.077	.075	.081	.078	.078	.078	.111	.118	.119	.111	.118	.108	.127	.132	.161
.0825	.089	.046	.074	.079	.079	.086	.079	.078	.079	.115	.121	.122	.115	.121	.109	.131	.134	.165
.0850	.094	.046	.077	.080	.083	.090	.079	.079	.079	.117	.124	.125	.117	.126	.112	.135	.136	.168
.0875	.097	.046	.080	.082	.088	.091	.081	.082	.081	.122	.129	.130	.122	.134	.117	.143	.137	.174
.0900	.107	.046	.086	.085	.090	.093	.085	.085	.085	.125	.134	.135	.125	.142	.123	.150	.142	.179
.0925	.109	.047	.087	.085	.094	.096	.086	.088	.086	.128	.138	.139	.128	.146	.126	.154	.142	.182
.0950	.109	.047	.092	.087	.100	.101	.089	.093	.089	.132	.145	.147	.132	.148	.129	.156	.146	.187
.0975	.109	.047	.095	.088	.102	.101	.090	.095	.090	.133	.147	.149	.133	.150	.129	.157	.148	.190
.1000	.109	.047	.098	.088	.105	.102	.094	.096	.094	.138	.151	.152	.138	.153	.131	.162	.150	.192

CONFIGURATION I NS =2000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.0040	.0000	.0000	.0005	.0045	.0030	.0015	.0010	.0015	.0055	.0060	.0060	.0055	.0060	.0050	.0070	.0005	.007(
.0050	.0060	.0000	.0010	.0010	.0080	.0075	.0060	.0045	.0060	.0100	.0115	.0115	.0100	.0105	.0085	.0115	.0015	.013(
.0075	.0120	.0000	.0020	.0035	.0115	.0100	.0095	.0065	.0095	.0145	.0160	.0160	.0145	.0185	.0175	.0205	.0040	.021(
.0100	.0150	.0000	.0040	.0065	.0130	.0115	.0125	.0105	.0125	.0170	.0200	.0200	.0170	.0215	.0195	.0230	.0080	.025(
.0125	.0180	.0005	.0060	.0075	.0165	.0160	.0160	.0130	.0160	.0225	.0265	.0275	.0225	.0265	.0245	.0300	.0090	.033(
.0150	.0215	.0005	.0070	.0110	.0185	.0205	.0205	.0155	.0205	.0275	.0300	.0300	.0275	.0290	.0290	.0345	.0130	.036(
.0175	.0270	.0010	.0070	.0145	.0230	.0225	.0235	.0200	.0235	.0320	.0360	.0360	.0320	.0375	.0355	.0410	.0155	.043(
.0200	.0270	.0010	.0095	.0165	.0260	.0255	.0280	.0220	.0280	.0365	.0395	.0395	.0365	.0400	.0390	.0445	.0185	.046(
.0225	.0270	.0035	.0125	.0180	.0285	.0285	.0300	.0260	.0300	.0395	.0435	.0435	.0395	.0425	.0405	.0470	.0245	.049(
.0250	.0290	.0035	.0160	.0210	.0320	.0315	.0315	.0300	.0315	.0420	.0480	.0485	.0420	.0460	.0425	.0495	.0280	.054(
.0275	.0290	.0035	.0190	.0230	.0350	.0335	.0335	.0335	.0335	.0460	.0520	.0520	.0460	.0480	.0435	.0525	.0295	.057(
.0300	.0345	.0035	.0210	.0255	.0380	.0375	.0360	.0350	.0360	.0490	.0560	.0565	.0490	.0515	.0475	.0555	.0325	.061(
.0325	.0375	.0095	.0230	.0295	.0400	.0390	.0365	.0375	.0365	.0505	.0585	.0590	.0505	.0545	.0490	.0580	.0390	.065(
.0350	.0390	.0095	.0250	.0320	.0405	.0415	.0390	.0435	.0390	.0530	.0635	.0640	.0530	.0560	.0515	.0610	.0415	.071(
.0375	.0420	.0095	.0255	.0345	.0435	.0440	.0415	.0460	.0415	.0555	.0665	.0670	.0555	.0605	.0545	.0640	.0435	.074(
.0400	.0445	.0095	.0260	.0375	.0460	.0465	.0435	.0485	.0435	.0580	.0690	.0695	.0580	.0640	.0580	.0680	.0455	.076(
.0425	.0470	.0095	.0275	.0395	.0505	.0480	.0440	.0510	.0440	.0610	.0740	.0745	.0610	.0685	.0600	.0725	.0475	.082(
.0450	.0470	.0095	.0310	.0410	.0530	.0495	.0470	.0540	.0470	.0660	.0790	.0790	.0660	.0710	.0630	.0775	.0500	.087(
.0475	.0470	.0265	.0340	.0430	.0555	.0510	.0525	.0565	.0525	.0715	.0825	.0830	.0715	.0725	.0675	.0815	.0650	.098(
.0500	.0530	.0265	.0355	.0455	.0585	.0520	.0555	.0600	.0555	.0745	.0865	.0870	.0745	.0780	.0730	.0875	.0665	.103(
.0525	.0530	.0265	.0380	.0475	.0615	.0550	.0595	.0625	.0595	.0785	.0905	.0905	.0785	.0810	.0750	.0900	.0685	.105(
.0550	.0530	.0265	.0405	.0485	.0620	.0565	.0620	.0650	.0620	.0805	.0930	.0930	.0805	.0815	.0770	.0915	.0705	.107(
.0575	.0530	.0265	.0420	.0535	.0665	.0590	.0650	.0680	.0650	.0870	.0995	.0995	.0870	.0855	.0790	.0970	.0745	.112(
.0600	.0530	.0265	.0440	.0550	.0685	.0630	.0680	.0705	.0680	.0895	.1025	.1025	.0895	.0870	.0815	.0995	.0765	.115(
.0625	.0540	.0265	.0465	.0575	.0705	.0645	.0715	.0760	.0715	.0930	.1070	.1070	.0930	.0900	.0850	.1030	.0790	.119(
.0650	.0540	.0265	.0495	.0610	.0725	.0675	.0740	.0785	.0740	.0955	.1095	.1095	.0955	.0920	.0870	.1050	.0820	.122(
.0675	.0540	.0265	.0505	.0625	.0745	.0695	.0745	.0805	.0745	.0970	.1120	.1125	.0970	.0935	.0875	.1065	.0835	.124(
.0700	.0595	.0265	.0530	.0650	.0755	.0710	.0770	.0820	.0770	.0990	.1135	.1140	.0990	.0970	.0920	.1100	.0860	.128(
.0725	.0595	.0265	.0555	.0680	.0780	.0730	.0800	.0850	.0800	.1035	.1175	.1175	.1035	.0990	.0945	.1135	.0885	.130(
.0750	.0630	.0500	.0585	.0705	.0805	.0755	.0805	.0880	.0805	.1055	.1195	.1195	.1055	.1020	.0960	.1160	.1065	.142(
.0775	.0630	.0500	.0595	.0725	.0830	.0800	.0810	.0885	.0810	.1070	.1210	.1225	.1070	.1045	.0965	.1175	.1080	.144(
.0800	.0680	.0500	.0635	.0760	.0845	.0820	.0850	.0890	.0850	.1095	.1230	.1230	.1095	.1080	.1005	.1210	.1105	.146(
.0825	.0715	.0500	.0675	.0770	.0860	.0855	.0860	.0905	.0860	.1110	.1255	.1255	.1110	.1110	.1015	.1230	.1130	.149(
.0850	.0790	.0500	.0690	.0795	.0900	.0895	.0890	.0930	.0890	.1165	.1300	.1305	.1165	.1190	.1085	.1310	.1155	.154(
.0875	.0845	.0500	.0705	.0805	.0945	.0910	.0905	.0950	.0905	.1215	.1350	.1355	.1215	.1270	.1115	.1375	.1165	.159(
.0900	.0930	.0500	.0725	.0825	.0975	.0930	.0910	.0965	.0910	.1235	.1380	.1390	.1235	.1340	.1150	.1415	.1185	.163(
.0925	.0945	.0500	.0740	.0850	.0975	.0960	.0945	.0985	.0945	.1250	.1395	.1410	.1250	.1350	.1175	.1430	.1210	.165(
.0950	.0945	.0500	.0750	.0875	.1025	.0985	.0945	.1035	.0945	.1280	.1455	.1470	.1280	.1380	.1175	.1455	.1230	.170(
.0975	.0945	.0500	.0780	.0900	.1055	.1020	.0975	.1055	.0975	.1325	.1495	.1510	.1325	.1405	.1200	.1495	.1245	.174(
.1000	.0945	.0500	.0800	.0910	.1085	.1060	.0975	.1070	.0975	.1340	.1525	.1535	.1340	.1425	.1200	.1505	.1265	.176(

CONFIGURATION I NS =2000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GS0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.0030	.0000	.0005	.0025	.0025	.0025	.0030	.0025	.0030	.0045	.0045	.0045	.0045	.0045	.0040	.0055	.0025	.0055
.0050	.0070	.0000	.0030	.0035	.0055	.0060	.0055	.0050	.0055	.0080	.0090	.0090	.0080	.0105	.0085	.0110	.0050	.0120
.0075	.0085	.0000	.0055	.0070	.0075	.0100	.0100	.0095	.0100	.0125	.0140	.0140	.0125	.0130	.0130	.0155	.0095	.0165
.0100	.0115	.0000	.0060	.0090	.0100	.0115	.0125	.0125	.0125	.0155	.0175	.0180	.0155	.0175	.0180	.0210	.0115	.0220
.0125	.0140	.0000	.0070	.0125	.0130	.0145	.0150	.0135	.0150	.0195	.0220	.0220	.0195	.0225	.0220	.0265	.0145	.0270
.0150	.0170	.0010	.0095	.0160	.0140	.0160	.0160	.0165	.0160	.0210	.0250	.0255	.0210	.0260	.0240	.0290	.0180	.0320
.0175	.0195	.0035	.0110	.0180	.0190	.0170	.0190	.0215	.0190	.0250	.0300	.0305	.0250	.0310	.0275	.0330	.0230	.0390
.0200	.0250	.0035	.0150	.0190	.0215	.0180	.0230	.0235	.0230	.0300	.0350	.0350	.0300	.0360	.0325	.0390	.0260	.0445
.0225	.0255	.0035	.0180	.0205	.0260	.0210	.0245	.0255	.0245	.0350	.0400	.0405	.0350	.0385	.0345	.0425	.0290	.0480
.0250	.0255	.0060	.0210	.0240	.0270	.0230	.0255	.0280	.0255	.0365	.0430	.0430	.0365	.0390	.0350	.0435	.0360	.0525
.0275	.0270	.0060	.0235	.0255	.0280	.0275	.0270	.0320	.0270	.0380	.0465	.0465	.0380	.0390	.0370	.0440	.0375	.0535
.0300	.0285	.0060	.0245	.0280	.0295	.0300	.0310	.0340	.0310	.0425	.0495	.0495	.0425	.0410	.0410	.0485	.0405	.0570
.0325	.0355	.0060	.0270	.0320	.0335	.0325	.0330	.0370	.0330	.0470	.0550	.0550	.0470	.0495	.0465	.0565	.0440	.0665
.0350	.0385	.0135	.0275	.0340	.0350	.0335	.0365	.0380	.0365	.0515	.0575	.0580	.0515	.0530	.0515	.0620	.0505	.0740
.0375	.0385	.0135	.0295	.0390	.0365	.0365	.0370	.0400	.0370	.0520	.0590	.0600	.0520	.0545	.0520	.0625	.0560	.0760
.0400	.0395	.0135	.0315	.0405	.0380	.0385	.0400	.0410	.0400	.0555	.0625	.0630	.0555	.0560	.0545	.0650	.0580	.0780
.0425	.0410	.0135	.0340	.0425	.0405	.0410	.0425	.0440	.0425	.0590	.0660	.0670	.0590	.0585	.0570	.0680	.0615	.0815
.0450	.0420	.0135	.0350	.0450	.0450	.0465	.0450	.0465	.0450	.0640	.0720	.0745	.0640	.0635	.0590	.0725	.0645	.0890
.0475	.0430	.0135	.0365	.0460	.0470	.0485	.0470	.0485	.0470	.0660	.0755	.0770	.0660	.0665	.0615	.0755	.0665	.0920
.0500	.0460	.0135	.0385	.0480	.0500	.0500	.0515	.0510	.0515	.0710	.0795	.0800	.0710	.0705	.0675	.0815	.0695	.0950
.0525	.0525	.0295	.0400	.0495	.0540	.0500	.0530	.0520	.0530	.0755	.0835	.0835	.0755	.0775	.0725	.0870	.0855	.1100
.0550	.0590	.0295	.0430	.0510	.0575	.0510	.0550	.0540	.0550	.0795	.0890	.0890	.0795	.0845	.0770	.0935	.0870	.1150
.0575	.0660	.0295	.0450	.0530	.0590	.0530	.0580	.0555	.0580	.0820	.0910	.0910	.0820	.0900	.0805	.0960	.0895	.1165
.0600	.0680	.0295	.0490	.0560	.0610	.0555	.0595	.0570	.0595	.0845	.0935	.0940	.0845	.0920	.0825	.0980	.0945	.1190
.0625	.0680	.0295	.0525	.0575	.0625	.0585	.0605	.0615	.0605	.0860	.0955	.0965	.0860	.0930	.0830	.0990	.0980	.1220
.0650	.0685	.0295	.0555	.0580	.0645	.0605	.0655	.0630	.0655	.0910	.0995	.0995	.0910	.0955	.0865	.1030	.0985	.1245
.0675	.0695	.0295	.0585	.0610	.0680	.0625	.0690	.0650	.0690	.0955	.1035	.1035	.0955	.0975	.0895	.1070	.1010	.1270
.0700	.0695	.0295	.0615	.0640	.0705	.0635	.0700	.0670	.0700	.0985	.1065	.1065	.0985	.1000	.0900	.1095	.1050	.1300
.0725	.0705	.0295	.0635	.0655	.0730	.0660	.0705	.0695	.0705	.0995	.1090	.1090	.0995	.1030	.0910	.1110	.1060	.1335
.0750	.0710	.0295	.0660	.0680	.0765	.0690	.0730	.0720	.0730	.1040	.1145	.1145	.1040	.1065	.0935	.1150	.1085	.1390
.0775	.0745	.0295	.0685	.0685	.0785	.0735	.0745	.0740	.0745	.1070	.1175	.1185	.1070	.1100	.0960	.1180	.1090	.1430
.0800	.0770	.0590	.0730	.0710	.0810	.0770	.0770	.0745	.0770	.1110	.1200	.1205	.1110	.1135	.0985	.1225	.1350	.1650
.0825	.0785	.0590	.0745	.0745	.0830	.0815	.0780	.0765	.0780	.1135	.1220	.1230	.1135	.1160	.1005	.1260	.1370	.1700
.0850	.0825	.0590	.0765	.0765	.0860	.0840	.0795	.0785	.0795	.1160	.1250	.1260	.1160	.1205	.1045	.1305	.1395	.1730
.0875	.0870	.0590	.0800	.0780	.0885	.0875	.0820	.0825	.0820	.1200	.1295	.1305	.1200	.1265	.1095	.1370	.1405	.1790
.0900	.0970	.0590	.0840	.0805	.0910	.0895	.0850	.0840	.0850	.1235	.1335	.1340	.1235	.1350	.1160	.1450	.1445	.1840
.0925	.0990	.0595	.0860	.0830	.0960	.0920	.0865	.0875	.0865	.1275	.1385	.1390	.1275	.1400	.1185	.1495	.1475	.1875
.0950	.0990	.0595	.0890	.0855	.1000	.0950	.0895	.0910	.0895	.1315	.1445	.1455	.1315	.1420	.1210	.1520	.1500	.1915
.0975	.0990	.0595	.0925	.0870	.1015	.0975	.0930	.0925	.0930	.1335	.1460	.1470	.1335	.1435	.1235	.1540	.1530	.1940
.1000	.1005	.0595	.0955	.0885	.1040	.0990	.0960	.0945	.0960	.1365	.1485	.1495	.1365	.1455	.1265	.1570	.1565	.1960

CONFIGURATION II NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	A
.0025	.005	.000	.001	.001	.005	.005	.003	.002	.003	.005	.005	.005	.005	.006	.005	.006	.001	.0
.0050	.007	.000	.003	.002	.007	.005	.005	.004	.005	.007	.008	.008	.007	.009	.008	.009	.003	.0
.0075	.009	.000	.003	.004	.008	.006	.005	.007	.007	.008	.011	.011	.010	.011	.010	.011	.004	.0
.0100	.011	.000	.003	.005	.013	.008	.008	.008	.007	.015	.017	.017	.015	.016	.013	.018	.005	.0
.0125	.014	.001	.005	.007	.016	.010	.010	.010	.009	.019	.021	.021	.019	.022	.017	.024	.008	.0
.0150	.018	.001	.007	.007	.017	.013	.012	.011	.011	.021	.023	.023	.021	.027	.021	.028	.010	.0
.0175	.019	.002	.008	.009	.022	.016	.015	.014	.014	.027	.030	.030	.028	.032	.024	.033	.011	.0
.0200	.021	.003	.008	.011	.027	.023	.020	.016	.018	.037	.038	.038	.036	.038	.029	.042	.013	.0
.0225	.024	.003	.010	.011	.027	.028	.024	.018	.022	.037	.038	.039	.038	.040	.034	.044	.015	.0
.0250	.025	.005	.012	.014	.030	.029	.028	.023	.026	.039	.041	.041	.039	.042	.039	.046	.020	.0
.0275	.028	.005	.013	.015	.034	.030	.028	.024	.027	.042	.044	.044	.043	.044	.040	.048	.020	.0
.0300	.030	.006	.014	.019	.034	.036	.031	.026	.029	.043	.045	.045	.044	.045	.042	.049	.023	.0
.0325	.030	.008	.019	.022	.036	.037	.033	.028	.030	.045	.047	.047	.045	.047	.043	.050	.030	.0
.0350	.032	.009	.023	.025	.037	.040	.035	.030	.033	.045	.048	.048	.046	.048	.046	.051	.035	.0
.0375	.033	.010	.025	.027	.041	.041	.036	.033	.036	.049	.054	.054	.050	.051	.046	.053	.039	.0
.0400	.034	.012	.027	.030	.044	.042	.038	.033	.037	.052	.056	.056	.052	.054	.048	.056	.043	.0
.0425	.035	.012	.029	.033	.045	.045	.040	.034	.039	.054	.058	.058	.055	.054	.050	.057	.045	.0
.0450	.036	.017	.033	.034	.046	.046	.042	.037	.039	.055	.061	.061	.056	.056	.052	.059	.048	.0
.0475	.038	.018	.037	.035	.046	.046	.044	.040	.043	.055	.063	.063	.058	.057	.053	.060	.050	.0
.0500	.039	.020	.041	.038	.047	.049	.045	.040	.044	.056	.063	.063	.058	.058	.054	.061	.055	.0
.0525	.039	.024	.043	.040	.049	.051	.046	.046	.047	.059	.071	.071	.061	.060	.055	.064	.060	.0
.0550	.041	.028	.045	.041	.049	.051	.049	.050	.050	.060	.073	.073	.064	.060	.057	.065	.061	.0
.0575	.043	.030	.046	.045	.052	.052	.054	.052	.055	.065	.077	.077	.070	.064	.064	.071	.064	.0
.0600	.045	.033	.046	.048	.053	.054	.056	.059	.057	.067	.083	.083	.071	.066	.067	.074	.066	.0
.0625	.047	.034	.046	.049	.055	.055	.057	.060	.059	.069	.085	.085	.072	.069	.069	.077	.067	.0
.0650	.051	.036	.048	.050	.056	.056	.058	.065	.060	.070	.087	.087	.073	.073	.070	.078	.070	.1
.0675	.054	.036	.049	.052	.058	.058	.060	.065	.063	.073	.089	.089	.077	.076	.072	.081	.072	.1
.0700	.055	.041	.050	.054	.062	.059	.062	.068	.064	.077	.094	.094	.081	.080	.074	.084	.079	.1
.0725	.055	.041	.050	.056	.063	.059	.067	.070	.067	.080	.095	.095	.081	.081	.079	.087	.080	.1
.0750	.057	.042	.052	.057	.064	.061	.069	.073	.070	.083	.097	.097	.084	.083	.082	.091	.082	.1
.0775	.058	.044	.052	.062	.064	.062	.072	.078	.074	.084	.102	.102	.088	.083	.083	.091	.088	.1
.0800	.059	.048	.055	.062	.067	.065	.073	.079	.078	.087	.104	.104	.093	.087	.085	.095	.092	.1
.0825	.060	.049	.058	.063	.069	.068	.075	.081	.078	.090	.106	.106	.094	.088	.087	.098	.095	.1
.0850	.063	.053	.059	.064	.072	.074	.075	.082	.080	.093	.109	.110	.099	.091	.088	.101	.099	.1
.0875	.069	.056	.061	.068	.075	.077	.077	.083	.083	.098	.114	.116	.105	.098	.093	.108	.104	.1
.0900	.073	.058	.061	.073	.081	.077	.079	.085	.085	.104	.118	.119	.111	.104	.096	.114	.108	.1
.0925	.075	.061	.062	.074	.083	.079	.085	.087	.089	.110	.122	.123	.114	.107	.101	.119	.110	.1
.0950	.077	.063	.066	.074	.088	.083	.088	.089	.089	.117	.127	.129	.119	.112	.105	.125	.114	.1
.0975	.081	.065	.067	.076	.091	.085	.089	.091	.091	.121	.132	.133	.124	.115	.107	.128	.118	.1
.1000	.081	.069	.069	.078	.094	.086	.091	.093	.093	.124	.136	.137	.128	.118	.109	.131	.122	.1

CONFIGURATION II NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.006	.001	.003	.002	.005	.002	.002	.004	.002	.006	.008	.008	.006	.007	.006	.007	.003	.009
.0050	.008	.002	.004	.003	.007	.006	.006	.005	.006	.010	.010	.010	.010	.010	.012	.013	.005	.013
.0075	.009	.003	.006	.008	.008	.008	.010	.008	.009	.012	.012	.012	.012	.012	.014	.015	.009	.015
.0100	.010	.003	.009	.009	.012	.009	.011	.013	.012	.016	.021	.021	.017	.016	.015	.019	.011	.024
.0125	.015	.004	.010	.011	.012	.015	.016	.015	.016	.021	.023	.023	.021	.019	.023	.025	.014	.027
.0150	.016	.005	.010	.015	.017	.019	.017	.016	.017	.025	.027	.027	.025	.024	.025	.029	.018	.030
.0175	.017	.006	.012	.015	.018	.020	.019	.020	.020	.028	.032	.032	.029	.026	.026	.031	.020	.036
.0200	.019	.006	.015	.016	.020	.020	.023	.021	.021	.031	.033	.033	.031	.028	.030	.035	.024	.038
.0225	.023	.006	.015	.018	.023	.024	.024	.024	.021	.033	.036	.037	.033	.035	.035	.041	.026	.045
.0250	.026	.008	.018	.020	.025	.027	.025	.024	.024	.036	.039	.039	.035	.038	.036	.043	.030	.046
.0275	.028	.010	.020	.024	.030	.029	.026	.027	.025	.040	.045	.045	.039	.043	.037	.047	.033	.053
.0300	.028	.011	.022	.027	.035	.032	.028	.029	.028	.042	.048	.048	.043	.044	.038	.048	.038	.057
.0325	.030	.012	.022	.028	.037	.036	.029	.030	.030	.045	.052	.052	.047	.047	.040	.052	.040	.062
.0350	.030	.013	.025	.031	.039	.038	.031	.031	.032	.047	.055	.055	.050	.049	.041	.054	.044	.066
.0375	.034	.017	.030	.032	.041	.042	.034	.031	.033	.049	.055	.055	.050	.053	.046	.057	.051	.069
.0400	.038	.017	.030	.035	.045	.044	.035	.033	.035	.052	.059	.060	.055	.058	.049	.061	.054	.071
.0425	.040	.018	.035	.036	.046	.044	.041	.037	.037	.056	.065	.065	.057	.061	.055	.065	.057	.079
.0450	.044	.020	.037	.038	.049	.045	.042	.041	.041	.059	.070	.071	.061	.066	.058	.070	.062	.088
.0475	.046	.022	.039	.040	.052	.047	.043	.044	.045	.062	.074	.075	.065	.070	.060	.074	.067	.095
.0500	.047	.028	.043	.042	.055	.050	.046	.046	.048	.067	.077	.079	.070	.074	.064	.080	.073	.101
.0525	.050	.029	.046	.042	.058	.053	.051	.049	.050	.071	.081	.081	.073	.079	.069	.086	.075	.104
.0550	.052	.029	.048	.046	.060	.054	.057	.052	.051	.075	.086	.086	.076	.082	.075	.090	.080	.110
.0575	.056	.033	.049	.047	.065	.055	.058	.056	.054	.079	.092	.092	.083	.090	.077	.096	.085	.118
.0600	.058	.038	.053	.053	.068	.057	.060	.061	.056	.081	.098	.099	.085	.093	.079	.098	.093	.127
.0625	.062	.039	.053	.055	.069	.060	.062	.067	.062	.083	.100	.101	.087	.094	.082	.101	.094	.130
.0650	.065	.040	.056	.060	.073	.064	.063	.069	.066	.087	.104	.104	.092	.099	.084	.105	.099	.135
.0675	.066	.046	.058	.063	.074	.067	.065	.072	.066	.090	.107	.107	.093	.100	.087	.108	.106	.139
.0700	.069	.049	.065	.064	.075	.069	.069	.076	.069	.094	.112	.113	.095	.104	.092	.113	.110	.144
.0725	.072	.051	.070	.066	.079	.071	.070	.077	.071	.098	.117	.118	.100	.109	.096	.118	.115	.149
.0750	.075	.055	.072	.068	.081	.072	.072	.080	.076	.102	.121	.122	.106	.111	.098	.121	.119	.153
.0775	.077	.059	.074	.070	.081	.075	.074	.084	.077	.103	.122	.123	.107	.112	.102	.123	.124	.158
.0800	.078	.061	.075	.075	.083	.079	.077	.086	.079	.107	.126	.127	.111	.115	.104	.127	.128	.164
.0825	.082	.062	.075	.079	.085	.082	.080	.087	.080	.110	.129	.130	.114	.119	.107	.131	.133	.168
.0850	.086	.062	.077	.084	.088	.083	.084	.091	.084	.115	.134	.134	.119	.123	.114	.136	.139	.172
.0875	.088	.065	.079	.087	.089	.085	.089	.093	.088	.119	.137	.137	.123	.125	.119	.139	.143	.175
.0900	.090	.067	.082	.090	.091	.088	.094	.095	.093	.123	.139	.140	.128	.125	.121	.140	.148	.179
.0925	.091	.068	.083	.095	.094	.090	.098	.097	.099	.128	.144	.144	.134	.126	.125	.144	.152	.184
.0950	.094	.072	.087	.096	.096	.093	.099	.100	.100	.129	.147	.147	.136	.130	.126	.145	.158	.187
.0975	.097	.075	.088	.099	.097	.098	.102	.105	.101	.133	.154	.154	.138	.134	.130	.150	.161	.192
.1000	.098	.077	.089	.100	.097	.099	.103	.107	.106	.134	.155	.155	.141	.134	.131	.151	.162	.194

CONFIGURATION III NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.005	.000	.000	.001	.004	.004	.004	.002	.004	.004	.004	.004	.004	.008	.008	.008	.001	.008
.0050	.008	.000	.000	.002	.007	.005	.006	.007	.006	.009	.010	.010	.009	.012	.011	.013	.002	.014
.0075	.011	.000	.003	.005	.011	.010	.009	.009	.009	.015	.015	.015	.015	.017	.015	.019	.005	.019
.0100	.014	.000	.005	.006	.015	.014	.013	.010	.012	.020	.021	.021	.019	.020	.019	.022	.007	.023
.0125	.019	.000	.007	.010	.015	.015	.013	.011	.014	.020	.022	.022	.021	.023	.021	.023	.012	.025
.0150	.019	.001	.010	.011	.016	.016	.015	.014	.015	.022	.024	.024	.022	.023	.023	.025	.014	.027
.0175	.020	.002	.012	.013	.017	.017	.017	.017	.016	.022	.026	.027	.023	.024	.025	.026	.016	.030
.0200	.021	.002	.013	.015	.023	.021	.021	.019	.021	.029	.032	.032	.030	.029	.028	.033	.018	.035
.0225	.026	.004	.014	.018	.024	.023	.023	.024	.023	.029	.035	.035	.030	.032	.033	.035	.021	.040
.0250	.027	.005	.017	.019	.029	.028	.024	.025	.025	.035	.041	.042	.036	.036	.035	.040	.024	.046
.0275	.029	.008	.018	.021	.033	.029	.027	.026	.026	.039	.046	.046	.040	.041	.039	.044	.027	.050
.0300	.029	.008	.020	.024	.034	.031	.029	.027	.028	.041	.048	.049	.043	.042	.040	.045	.031	.052
.0325	.030	.010	.021	.026	.036	.033	.031	.029	.033	.045	.051	.053	.048	.044	.043	.049	.034	.056
.0350	.031	.011	.023	.028	.040	.035	.034	.032	.034	.051	.055	.055	.052	.047	.046	.054	.036	.058
.0375	.033	.013	.024	.029	.041	.037	.038	.036	.037	.054	.058	.058	.054	.048	.050	.057	.039	.061
.0400	.036	.013	.028	.029	.041	.038	.038	.041	.038	.054	.061	.061	.055	.050	.050	.057	.040	.064
.0425	.039	.014	.029	.031	.042	.040	.042	.044	.040	.056	.063	.063	.056	.051	.054	.060	.043	.067
.0450	.044	.016	.032	.032	.044	.042	.044	.046	.042	.058	.066	.066	.059	.056	.058	.064	.045	.071
.0475	.048	.017	.037	.033	.048	.042	.045	.048	.045	.061	.069	.069	.062	.062	.062	.069	.046	.076
.0500	.052	.020	.037	.034	.052	.044	.048	.051	.047	.064	.073	.073	.065	.068	.067	.074	.047	.081
.0525	.053	.022	.039	.037	.053	.049	.049	.053	.049	.065	.075	.075	.066	.069	.069	.076	.053	.086
.0550	.059	.024	.039	.042	.055	.055	.050	.057	.052	.067	.081	.081	.070	.073	.073	.079	.057	.093
.0575	.060	.026	.041	.043	.059	.057	.052	.060	.053	.069	.084	.084	.071	.076	.075	.081	.059	.096
.0600	.061	.028	.042	.047	.060	.059	.055	.064	.055	.071	.088	.088	.073	.078	.078	.083	.063	.099
.0625	.061	.028	.043	.048	.062	.060	.057	.065	.059	.074	.091	.091	.078	.080	.080	.086	.065	.102
.0650	.061	.031	.046	.052	.063	.064	.059	.069	.060	.076	.094	.094	.080	.081	.081	.088	.070	.107
.0675	.061	.035	.047	.055	.067	.069	.061	.071	.061	.080	.098	.100	.082	.083	.082	.090	.074	.112
.0700	.063	.036	.050	.057	.071	.069	.063	.072	.064	.082	.101	.101	.085	.088	.084	.092	.077	.114
.0725	.067	.037	.054	.057	.074	.072	.065	.074	.069	.086	.106	.106	.091	.093	.089	.098	.080	.119
.0750	.068	.038	.055	.058	.074	.073	.066	.076	.071	.087	.108	.109	.092	.093	.091	.099	.082	.122
.0775	.069	.042	.056	.062	.075	.075	.068	.077	.075	.090	.110	.110	.097	.095	.092	.101	.088	.125
.0800	.069	.045	.058	.064	.077	.076	.071	.078	.076	.093	.111	.112	.100	.097	.095	.104	.091	.128
.0825	.071	.048	.058	.068	.082	.079	.074	.078	.081	.099	.116	.116	.108	.100	.098	.108	.095	.132
.0850	.074	.049	.059	.069	.085	.079	.079	.083	.082	.105	.121	.121	.110	.105	.104	.116	.097	.138
.0875	.074	.050	.064	.070	.085	.081	.082	.089	.085	.107	.126	.126	.112	.105	.105	.117	.098	.142
.0900	.076	.053	.070	.073	.085	.083	.086	.093	.092	.110	.130	.130	.117	.106	.111	.121	.104	.147
.0925	.080	.053	.071	.074	.086	.084	.091	.094	.095	.113	.132	.132	.120	.109	.117	.125	.105	.150
.0950	.082	.055	.073	.075	.088	.086	.093	.096	.096	.115	.134	.134	.121	.111	.118	.127	.107	.151
.0975	.082	.061	.074	.077	.089	.089	.095	.098	.098	.115	.135	.135	.122	.111	.118	.127	.114	.157
.1000	.082	.061	.075	.079	.091	.090	.098	.099	.099	.116	.136	.136	.123	.112	.121	.128	.116	.159

CONFIGURATION III NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED!09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.007	.000	.001	.002	.001	.002	.002	.002	.003	.002	.002	.002	.003	.008	.008	.008	.002	.008
.0050	.007	.001	.003	.006	.003	.005	.006	.005	.006	.007	.007	.008	.007	.009	.009	.010	.007	.010
.0075	.009	.001	.005	.006	.006	.009	.008	.008	.008	.010	.012	.012	.010	.011	.011	.012	.007	.014
.0100	.012	.001	.010	.008	.010	.011	.008	.011	.009	.013	.017	.017	.014	.017	.013	.017	.012	.021
.0125	.014	.002	.011	.009	.011	.013	.013	.012	.013	.017	.020	.020	.018	.020	.018	.022	.015	.025
.0150	.017	.004	.016	.013	.014	.015	.015	.013	.015	.020	.022	.022	.021	.022	.020	.024	.021	.029
.0175	.019	.007	.016	.014	.018	.020	.019	.015	.019	.025	.027	.028	.026	.027	.025	.030	.023	.034
.0200	.024	.008	.017	.017	.022	.026	.024	.019	.023	.030	.031	.032	.031	.032	.034	.036	.025	.038
.0225	.024	.009	.020	.017	.026	.028	.028	.021	.026	.034	.037	.037	.035	.034	.035	.038	.026	.041
.0250	.027	.010	.022	.022	.027	.028	.031	.027	.028	.037	.042	.042	.037	.037	.038	.042	.031	.048
.0275	.031	.014	.024	.027	.031	.031	.033	.031	.033	.042	.046	.046	.042	.043	.043	.050	.038	.050
.0300	.033	.015	.026	.030	.037	.032	.035	.034	.035	.047	.053	.053	.048	.048	.044	.053	.040	.063
.0325	.034	.019	.029	.031	.041	.032	.038	.034	.038	.053	.059	.059	.054	.052	.045	.057	.046	.068
.0350	.034	.020	.029	.033	.043	.036	.040	.039	.040	.057	.064	.064	.058	.054	.046	.060	.049	.072
.0375	.036	.021	.032	.033	.045	.040	.043	.042	.044	.060	.068	.068	.063	.057	.051	.064	.049	.076
.0400	.036	.023	.035	.035	.049	.044	.045	.044	.048	.064	.072	.073	.069	.060	.053	.068	.054	.081
.0425	.038	.025	.036	.038	.052	.045	.047	.047	.050	.067	.075	.075	.071	.064	.056	.072	.057	.085
.0450	.041	.028	.039	.042	.055	.050	.050	.049	.050	.072	.078	.078	.073	.067	.060	.078	.061	.088
.0475	.044	.032	.044	.043	.058	.054	.052	.051	.050	.075	.083	.083	.076	.073	.063	.082	.066	.096
.0500	.047	.037	.049	.046	.061	.058	.052	.053	.052	.077	.085	.085	.079	.078	.065	.086	.076	.103
.0525	.050	.039	.050	.049	.063	.059	.055	.054	.053	.079	.088	.088	.081	.082	.071	.090	.081	.109
.0550	.056	.039	.055	.050	.065	.063	.058	.054	.057	.081	.089	.091	.082	.087	.076	.094	.083	.112
.0575	.056	.042	.057	.051	.069	.070	.059	.056	.057	.084	.092	.093	.085	.090	.077	.097	.087	.118
.0600	.057	.043	.058	.053	.073	.072	.061	.059	.062	.088	.097	.098	.091	.094	.078	.100	.089	.122
.0625	.058	.044	.061	.055	.076	.074	.066	.061	.064	.092	.099	.099	.094	.097	.084	.104	.094	.127
.0650	.062	.045	.065	.056	.079	.080	.070	.065	.066	.096	.105	.105	.097	.102	.089	.109	.099	.134
.0675	.063	.045	.068	.059	.080	.083	.072	.067	.069	.097	.107	.107	.099	.103	.091	.110	.103	.136
.0700	.064	.047	.071	.064	.085	.084	.073	.070	.071	.102	.113	.113	.105	.109	.092	.116	.107	.141
.0725	.068	.054	.075	.065	.088	.085	.080	.071	.080	.109	.119	.119	.113	.113	.099	.122	.112	.145
.0750	.073	.058	.076	.065	.091	.089	.081	.074	.083	.111	.122	.122	.115	.115	.102	.125	.116	.148
.0775	.073	.058	.080	.071	.094	.092	.083	.076	.083	.113	.126	.126	.117	.117	.104	.127	.121	.153
.0800	.077	.059	.082	.073	.097	.094	.084	.079	.084	.116	.130	.130	.120	.121	.109	.131	.124	.157
.0825	.079	.061	.087	.075	.101	.097	.085	.082	.084	.121	.136	.136	.124	.124	.110	.135	.127	.162
.0850	.082	.061	.087	.079	.103	.101	.089	.087	.087	.122	.139	.141	.125	.127	.115	.137	.130	.166
.0875	.083	.065	.090	.084	.106	.103	.093	.091	.090	.126	.145	.145	.129	.128	.117	.137	.136	.172
.0900	.086	.068	.091	.087	.107	.105	.098	.096	.096	.131	.149	.149	.133	.130	.121	.141	.141	.178
.0925	.087	.073	.096	.089	.108	.108	.103	.100	.099	.132	.151	.152	.136	.131	.126	.143	.146	.183
.0950	.087	.077	.097	.091	.110	.111	.104	.104	.100	.134	.154	.155	.138	.132	.127	.145	.152	.187
.0975	.089	.079	.102	.094	.112	.116	.110	.105	.106	.139	.157	.157	.143	.136	.133	.151	.156	.189
.1000	.091	.081	.106	.097	.112	.118	.115	.110	.112	.142	.160	.160	.147	.137	.139	.155	.161	.192

CONFIGURATION IV NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.002	.000	.000	.000	.003	.002	.002	.002	.002	.003	.003	.003	.003	.004	.004	.004	.000	.004
.0050	.006	.000	.000	.000	.004	.002	.003	.006	.004	.005	.008	.008	.006	.008	.009	.009	.000	.011
.0075	.008	.000	.000	.001	.008	.004	.005	.008	.007	.010	.013	.013	.012	.012	.011	.013	.001	.015
.0100	.009	.000	.001	.003	.009	.008	.008	.008	.008	.014	.014	.014	.014	.014	.014	.017	.004	.017
.0125	.012	.001	.002	.003	.012	.009	.008	.012	.008	.017	.021	.021	.017	.017	.015	.020	.005	.024
.0150	.017	.001	.003	.005	.015	.013	.012	.013	.012	.022	.025	.025	.024	.022	.023	.027	.006	.030
.0175	.017	.002	.003	.008	.018	.017	.015	.013	.013	.024	.027	.027	.025	.024	.024	.028	.009	.031
.0200	.019	.002	.007	.011	.020	.019	.017	.017	.017	.025	.031	.031	.028	.027	.025	.029	.013	.035
.0225	.020	.002	.012	.012	.025	.023	.018	.020	.020	.029	.036	.036	.034	.032	.027	.034	.017	.040
.0250	.022	.004	.013	.014	.028	.024	.023	.021	.021	.035	.040	.040	.038	.035	.033	.040	.019	.044
.0276	.025	.008	.014	.015	.032	.025	.027	.021	.024	.041	.044	.044	.042	.041	.038	.047	.023	.051
.0300	.028	.009	.015	.016	.034	.030	.029	.025	.026	.044	.050	.050	.044	.046	.043	.053	.023	.059
.0325	.029	.010	.016	.019	.034	.035	.032	.029	.029	.046	.054	.054	.046	.047	.044	.054	.025	.062
.0350	.033	.011	.018	.020	.034	.038	.037	.033	.035	.049	.059	.060	.051	.051	.050	.059	.026	.068
.0375	.037	.012	.020	.024	.037	.043	.042	.037	.045	.051	.063	.064	.059	.055	.056	.062	.031	.074
.0400	.044	.013	.025	.027	.042	.047	.046	.040	.050	.059	.068	.068	.066	.063	.064	.073	.038	.080
.0425	.048	.015	.031	.029	.045	.050	.047	.044	.052	.060	.072	.072	.069	.065	.068	.075	.044	.086
.0450	.050	.015	.034	.035	.049	.052	.053	.050	.056	.066	.078	.078	.074	.067	.073	.078	.047	.089
.0475	.050	.018	.035	.038	.054	.056	.058	.052	.062	.074	.084	.084	.080	.071	.077	.084	.050	.093
.0500	.051	.019	.036	.041	.059	.059	.059	.056	.065	.078	.090	.090	.086	.073	.078	.087	.053	.098
.0525	.052	.022	.037	.043	.065	.062	.064	.059	.067	.086	.094	.094	.091	.076	.083	.094	.056	.103
.0550	.053	.025	.041	.046	.067	.065	.068	.063	.069	.089	.097	.097	.094	.078	.086	.097	.060	.107
.0575	.055	.028	.044	.048	.073	.070	.070	.069	.071	.094	.103	.103	.098	.085	.087	.101	.067	.115
.0600	.055	.028	.046	.052	.074	.072	.076	.073	.076	.098	.104	.104	.102	.086	.091	.105	.072	.116
.0625	.062	.033	.048	.056	.079	.076	.078	.075	.077	.102	.108	.108	.105	.094	.095	.110	.079	.121
.0650	.064	.037	.050	.056	.081	.083	.079	.076	.078	.103	.109	.110	.107	.096	.097	.111	.082	.124
.0675	.066	.038	.052	.060	.085	.086	.083	.082	.078	.107	.116	.116	.110	.101	.099	.114	.084	.126
.0700	.068	.041	.054	.062	.086	.089	.086	.085	.081	.109	.119	.119	.112	.103	.103	.117	.089	.132
.0725	.069	.044	.055	.067	.088	.090	.090	.086	.083	.111	.121	.121	.114	.105	.105	.119	.095	.136
.0750	.070	.049	.056	.072	.092	.093	.094	.087	.087	.114	.122	.122	.117	.109	.108	.122	.100	.141
.0775	.072	.051	.060	.075	.093	.095	.097	.088	.088	.116	.123	.123	.118	.110	.111	.124	.104	.143
.0800	.073	.052	.064	.076	.093	.097	.098	.090	.089	.116	.125	.125	.119	.110	.112	.124	.107	.145
.0825	.077	.055	.065	.078	.096	.101	.102	.092	.093	.118	.129	.129	.122	.114	.118	.128	.108	.150
.0850	.079	.055	.066	.080	.097	.102	.104	.093	.095	.120	.131	.131	.124	.115	.121	.130	.109	.150
.0875	.081	.057	.071	.082	.105	.105	.106	.095	.097	.126	.138	.138	.129	.122	.123	.135	.112	.154
.0900	.083	.059	.074	.086	.105	.107	.108	.098	.101	.126	.140	.140	.130	.124	.127	.137	.118	.157
.0925	.083	.062	.077	.088	.110	.112	.111	.101	.107	.131	.144	.145	.138	.127	.130	.141	.120	.160
.0950	.086	.064	.082	.091	.112	.115	.114	.105	.110	.134	.147	.148	.140	.128	.133	.144	.125	.163
.0975	.090	.068	.083	.093	.112	.117	.117	.105	.113	.137	.148	.149	.141	.130	.138	.149	.130	.166
.1000	.091	.070	.086	.094	.114	.121	.117	.110	.116	.138	.153	.156	.144	.132	.139	.150	.133	.170

CONFIGURATION IV NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.004	.000	.000	.002	.002	.001	.002	.003	.002	.003	.004	.004	.003	.006	.005	.006	.002	.006
.0050	.007	.000	.002	.004	.007	.003	.004	.004	.006	.009	.010	.010	.011	.011	.009	.012	.005	.012
.0075	.011	.000	.003	.005	.007	.007	.006	.006	.006	.011	.011	.011	.011	.015	.013	.016	.005	.016
.0100	.013	.001	.005	.006	.009	.009	.009	.006	.007	.013	.013	.013	.013	.017	.017	.019	.009	.020
.0125	.015	.002	.007	.009	.012	.012	.011	.012	.009	.016	.020	.020	.016	.022	.020	.024	.013	.029
.0150	.018	.004	.008	.011	.016	.014	.013	.016	.013	.021	.027	.028	.022	.027	.023	.029	.015	.038
.0175	.021	.005	.011	.014	.019	.020	.019	.018	.017	.027	.033	.034	.029	.030	.030	.035	.021	.043
.0200	.027	.006	.015	.016	.021	.025	.022	.021	.019	.030	.038	.039	.032	.036	.038	.041	.023	.050
.0225	.029	.008	.019	.017	.024	.027	.025	.023	.026	.034	.040	.040	.037	.040	.043	.047	.026	.053
.0250	.034	.010	.020	.022	.029	.031	.030	.029	.032	.039	.044	.045	.044	.047	.050	.054	.031	.060
.0275	.036	.011	.024	.026	.030	.035	.032	.033	.035	.042	.049	.049	.046	.049	.054	.058	.039	.066
.0300	.039	.012	.027	.031	.035	.037	.035	.036	.039	.046	.055	.055	.053	.056	.057	.063	.044	.070
.0326	.043	.014	.031	.035	.039	.040	.037	.038	.042	.048	.056	.056	.056	.062	.061	.067	.049	.073
.0350	.048	.014	.035	.042	.041	.042	.044	.042	.046	.053	.061	.061	.060	.065	.067	.071	.054	.077
.0375	.048	.014	.039	.044	.043	.045	.049	.045	.047	.056	.064	.064	.061	.066	.071	.074	.058	.080
.0400	.051	.017	.041	.051	.045	.050	.052	.049	.051	.059	.068	.069	.064	.069	.074	.076	.067	.089
.0425	.052	.021	.043	.054	.050	.052	.057	.055	.054	.067	.077	.077	.071	.074	.076	.081	.073	.098
.0450	.052	.021	.046	.055	.052	.058	.063	.059	.060	.073	.083	.083	.076	.075	.081	.085	.075	.102
.0475	.055	.023	.049	.057	.053	.062	.066	.060	.064	.076	.084	.085	.079	.078	.085	.090	.079	.105
.0500	.058	.026	.050	.062	.055	.068	.070	.064	.066	.079	.085	.086	.082	.083	.089	.095	.083	.109
.0525	.059	.029	.051	.067	.060	.070	.072	.065	.068	.085	.092	.093	.088	.085	.089	.097	.088	.111
.0550	.060	.031	.055	.069	.063	.072	.076	.068	.068	.088	.095	.096	.090	.089	.093	.100	.091	.113
.0575	.063	.033	.058	.072	.067	.074	.076	.071	.071	.090	.099	.100	.094	.094	.094	.102	.094	.117
.0600	.065	.036	.061	.077	.070	.075	.078	.073	.074	.092	.101	.101	.096	.096	.097	.105	.099	.120
.0625	.068	.038	.064	.078	.075	.079	.078	.077	.075	.093	.104	.105	.097	.098	.097	.106	.102	.123
.0650	.069	.042	.067	.079	.077	.079	.080	.080	.077	.094	.106	.106	.098	.099	.098	.106	.105	.125
.0675	.072	.044	.067	.083	.081	.081	.081	.082	.081	.097	.110	.110	.103	.102	.101	.108	.110	.129
.0700	.073	.047	.070	.084	.085	.082	.082	.084	.086	.098	.111	.111	.106	.104	.102	.109	.113	.132
.0725	.076	.049	.073	.086	.086	.085	.086	.089	.089	.100	.114	.114	.107	.107	.108	.114	.116	.140
.0750	.078	.052	.077	.088	.087	.086	.088	.091	.090	.102	.117	.117	.109	.108	.111	.116	.118	.143
.0775	.080	.054	.079	.093	.088	.087	.089	.092	.092	.104	.118	.118	.112	.110	.112	.118	.126	.146
.0800	.084	.056	.082	.094	.089	.088	.091	.095	.096	.105	.119	.119	.114	.113	.114	.120	.127	.148
.0825	.086	.056	.083	.096	.090	.090	.096	.099	.097	.109	.124	.124	.116	.114	.116	.122	.128	.150
.0850	.089	.059	.085	.100	.092	.092	.098	.104	.099	.112	.129	.129	.118	.117	.119	.126	.134	.156
.0875	.093	.062	.085	.101	.094	.093	.101	.106	.100	.116	.131	.131	.120	.121	.123	.130	.135	.157
.0900	.094	.066	.088	.102	.096	.094	.102	.107	.104	.118	.132	.132	.124	.122	.124	.132	.140	.163
.0925	.095	.069	.088	.103	.097	.095	.102	.108	.105	.119	.133	.133	.126	.123	.125	.133	.144	.166
.0950	.099	.071	.094	.104	.097	.095	.103	.108	.109	.119	.133	.133	.130	.125	.128	.134	.146	.167
.0975	.101	.073	.097	.105	.099	.099	.105	.111	.111	.123	.138	.138	.134	.128	.129	.137	.149	.170
.1000	.103	.074	.099	.107	.099	.102	.106	.113	.111	.124	.140	.140	.134	.130	.132	.140	.151	.175

CONFIGURATION V NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.003	.000	.000	.000	.003	.002	.003	.003	.003	.004	.004	.004	.004	.004	.005	.005	.000	.005
.0050	.008	.000	.000	.002	.006	.005	.004	.004	.004	.007	.007	.007	.007	.010	.009	.010	.002	.010
.0075	.000	.000	.002	.004	.008	.008	.004	.005	.004	.008	.009	.009	.008	.010	.009	.010	.004	.011
.0100	.011	.000	.004	.004	.012	.009	.007	.005	.006	.012	.013	.013	.013	.013	.012	.013	.005	.014
.0125	.012	.002	.006	.005	.012	.009	.009	.007	.008	.012	.014	.014	.014	.014	.013	.014	.007	.015
.0150	.017	.003	.006	.006	.013	.010	.012	.009	.012	.016	.018	.018	.017	.019	.018	.020	.007	.023
.0175	.018	.005	.007	.008	.019	.012	.015	.010	.012	.023	.025	.025	.022	.025	.022	.027	.009	.029
.0200	.021	.005	.008	.008	.022	.020	.016	.014	.014	.026	.030	.030	.025	.029	.026	.031	.009	.035
.0225	.023	.006	.010	.013	.024	.024	.019	.022	.019	.027	.035	.035	.030	.032	.029	.033	.013	.041
.0250	.023	.006	.013	.014	.026	.026	.022	.025	.022	.030	.038	.038	.033	.033	.031	.035	.016	.042
.0275	.023	.006	.015	.014	.028	.030	.023	.027	.026	.031	.041	.042	.037	.034	.032	.036	.018	.045
.0300	.024	.009	.017	.016	.034	.031	.028	.029	.029	.037	.048	.048	.044	.039	.036	.041	.021	.050
.0325	.024	.010	.019	.017	.037	.033	.032	.039	.033	.043	.058	.058	.050	.042	.039	.047	.022	.062
.0350	.028	.010	.022	.021	.038	.038	.037	.044	.044	.047	.063	.063	.059	.043	.044	.051	.027	.068
.0375	.028	.012	.024	.024	.039	.042	.041	.049	.045	.050	.066	.066	.060	.044	.048	.054	.030	.070
.0400	.029	.018	.024	.027	.041	.044	.047	.053	.049	.056	.071	.071	.063	.045	.054	.058	.033	.074
.0425	.030	.022	.027	.030	.043	.048	.057	.055	.056	.063	.075	.075	.068	.046	.060	.063	.040	.078
.0450	.032	.023	.028	.032	.047	.051	.061	.057	.058	.066	.079	.079	.072	.051	.063	.066	.040	.082
.0475	.035	.024	.033	.035	.051	.053	.065	.063	.067	.070	.085	.085	.079	.058	.069	.072	.044	.086
.0500	.038	.024	.034	.037	.052	.057	.067	.068	.072	.072	.089	.089	.081	.061	.073	.076	.047	.090
.0525	.040	.025	.034	.039	.057	.061	.071	.073	.077	.077	.092	.092	.086	.065	.078	.082	.048	.093
.0550	.043	.028	.035	.045	.059	.067	.075	.077	.079	.081	.094	.094	.088	.069	.080	.085	.051	.096
.0575	.043	.030	.037	.052	.062	.070	.077	.079	.081	.085	.096	.096	.091	.072	.082	.089	.056	.098
.0600	.045	.030	.038	.056	.065	.071	.082	.081	.084	.088	.098	.098	.095	.076	.087	.093	.059	.101
.0625	.047	.032	.039	.060	.066	.073	.084	.084	.087	.091	.101	.101	.098	.078	.089	.096	.063	.103
.0650	.049	.032	.040	.062	.070	.077	.085	.087	.088	.094	.105	.101	.083	.080	.090	.099	.064	.108
.0675	.051	.034	.042	.064	.073	.085	.088	.089	.090	.096	.108	.108	.103	.086	.094	.101	.068	.112
.0700	.052	.037	.046	.066	.074	.087	.092	.090	.097	.100	.110	.110	.107	.088	.097	.104	.073	.114
.0725	.056	.038	.051	.069	.078	.090	.094	.091	.098	.102	.112	.112	.109	.094	.099	.107	.077	.116
.0750	.060	.041	.053	.072	.079	.092	.100	.093	.098	.107	.113	.113	.109	.097	.106	.113	.081	.118
.0775	.060	.041	.057	.075	.080	.093	.102	.095	.099	.107	.113	.113	.110	.098	.108	.113	.084	.118
.0800	.062	.042	.059	.077	.081	.096	.104	.098	.103	.109	.116	.116	.113	.100	.111	.116	.086	.121
.0825	.064	.044	.063	.081	.085	.101	.104	.103	.104	.110	.118	.118	.114	.105	.113	.119	.089	.127
.0850	.069	.046	.064	.084	.089	.103	.108	.106	.106	.111	.120	.120	.115	.112	.117	.120	.091	.130
.0875	.070	.048	.066	.086	.091	.106	.110	.108	.108	.113	.123	.123	.117	.114	.119	.122	.093	.131
.0900	.072	.050	.068	.089	.094	.106	.111	.110	.112	.115	.126	.126	.121	.117	.121	.125	.097	.135
.0925	.073	.051	.069	.096	.097	.108	.114	.112	.114	.117	.129	.129	.122	.118	.124	.127	.104	.139
.0950	.073	.052	.073	.099	.099	.110	.115	.113	.117	.119	.131	.131	.126	.118	.125	.128	.107	.141
.0975	.073	.053	.078	.102	.103	.114	.117	.116	.119	.123	.133	.133	.129	.120	.126	.130	.111	.145
.1000	.075	.053	.081	.102	.104	.114	.122	.120	.121	.126	.138	.138	.130	.121	.129	.131	.111	.148

CONFIGURATION V NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.005	.002	.001	.000	.004	.003	.002	.001	.001	.004	.005	.005	.004	.006	.006	.006	.002	.007
.0050	.006	.005	.005	.003	.007	.006	.005	.002	.004	.008	.008	.008	.008	.008	.009	.009	.006	.009
.0075	.008	.006	.006	.006	.009	.010	.009	.008	.008	.010	.013	.013	.011	.011	.012	.012	.008	.015
.0100	.009	.007	.007	.007	.012	.012	.013	.010	.011	.015	.015	.015	.015	.013	.016	.016	.008	.016
.0125	.010	.010	.010	.010	.015	.014	.013	.012	.013	.017	.019	.019	.019	.016	.017	.018	.014	.020
.0150	.012	.010	.014	.012	.018	.016	.016	.015	.014	.021	.023	.024	.021	.019	.019	.022	.017	.026
.0175	.016	.012	.015	.013	.021	.020	.018	.015	.017	.023	.025	.026	.023	.025	.023	.026	.018	.028
.0200	.018	.012	.017	.017	.024	.023	.022	.018	.022	.026	.028	.028	.027	.028	.027	.029	.021	.030
.0225	.019	.016	.018	.019	.027	.025	.024	.024	.024	.030	.034	.034	.031	.031	.029	.033	.023	.037
.0250	.021	.023	.019	.023	.028	.029	.026	.026	.026	.032	.036	.036	.033	.033	.033	.036	.032	.041
.0275	.024	.023	.022	.023	.031	.030	.028	.029	.027	.034	.039	.039	.035	.035	.036	.038	.032	.044
.0300	.028	.025	.025	.023	.036	.033	.031	.031	.031	.041	.046	.046	.043	.043	.042	.047	.034	.053
.0325	.028	.025	.027	.024	.039	.033	.032	.035	.035	.042	.049	.049	.047	.046	.042	.048	.036	.056
.0350	.031	.027	.029	.027	.043	.037	.034	.039	.037	.047	.055	.055	.052	.051	.045	.053	.041	.063
.0375	.033	.028	.031	.031	.044	.041	.038	.042	.041	.050	.059	.059	.056	.054	.050	.058	.045	.070
.0400	.037	.029	.032	.033	.047	.044	.043	.043	.041	.055	.062	.062	.058	.060	.059	.066	.047	.073
.0425	.040	.034	.034	.036	.050	.046	.044	.046	.044	.057	.066	.066	.062	.062	.060	.068	.052	.075
.0450	.041	.037	.040	.039	.050	.048	.048	.050	.051	.060	.069	.069	.066	.062	.064	.070	.054	.077
.0475	.046	.038	.043	.040	.051	.051	.054	.051	.052	.064	.071	.071	.067	.065	.071	.074	.056	.079
.0500	.049	.038	.047	.041	.054	.054	.055	.054	.054	.066	.075	.075	.070	.068	.072	.077	.058	.084
.0525	.053	.039	.049	.044	.056	.057	.057	.057	.057	.068	.078	.078	.072	.071	.075	.079	.062	.087
.0550	.055	.041	.050	.044	.059	.061	.058	.059	.058	.070	.081	.082	.075	.075	.076	.082	.063	.092
.0575	.056	.044	.055	.050	.063	.062	.060	.064	.061	.073	.086	.086	.079	.079	.079	.085	.071	.097
.0600	.056	.044	.059	.051	.065	.066	.065	.066	.066	.077	.089	.089	.083	.081	.083	.089	.072	.100
.0625	.058	.045	.063	.055	.066	.067	.067	.068	.068	.079	.090	.090	.085	.083	.084	.090	.075	.100
.0650	.061	.050	.063	.061	.069	.071	.070	.071	.070	.084	.095	.096	.088	.088	.087	.095	.081	.108
.0675	.062	.054	.064	.065	.073	.073	.075	.073	.074	.090	.100	.100	.094	.089	.089	.098	.085	.110
.0700	.064	.058	.069	.071	.076	.078	.078	.075	.074	.094	.101	.101	.095	.092	.091	.101	.092	.112
.0725	.065	.059	.070	.074	.078	.081	.082	.077	.077	.095	.102	.102	.098	.093	.094	.102	.093	.114
.0750	.066	.059	.073	.076	.080	.083	.082	.077	.080	.097	.104	.104	.102	.095	.094	.104	.095	.116
.0775	.066	.059	.075	.077	.083	.084	.088	.080	.082	.099	.107	.107	.105	.097	.098	.106	.096	.120
.0800	.071	.061	.076	.080	.085	.085	.088	.084	.085	.100	.111	.111	.108	.100	.098	.107	.099	.126
.0825	.072	.063	.076	.081	.085	.087	.092	.087	.089	.103	.114	.114	.111	.101	.103	.111	.099	.129
.0850	.073	.064	.077	.083	.086	.091	.095	.091	.094	.106	.117	.117	.112	.103	.106	.114	.102	.133
.0875	.075	.065	.079	.086	.088	.096	.100	.092	.096	.110	.119	.119	.114	.105	.110	.119	.104	.134
.0900	.075	.068	.080	.090	.090	.100	.102	.096	.098	.112	.123	.124	.116	.107	.112	.121	.107	.138
.0925	.077	.071	.080	.091	.094	.103	.105	.099	.106	.118	.128	.129	.124	.112	.115	.127	.110	.143
.0950	.077	.075	.082	.094	.100	.106	.108	.102	.108	.123	.135	.135	.128	.114	.116	.129	.114	.149
.0975	.078	.082	.086	.097	.101	.111	.113	.103	.109	.124	.136	.136	.129	.116	.119	.130	.121	.154
.1000	.080	.083	.087	.097	.103	.113	.114	.108	.109	.126	.141	.141	.131	.120	.122	.134	.121	.155

CONFIGURATION VI NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED 09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.004	.000	.000	.000	.002	.003	.003	.002	.002	.003	.003	.003	.002	.004	.004	.004	.000	.004
.0050	.005	.001	.000	.002	.005	.003	.003	.003	.003	.005	.005	.005	.005	.006	.005	.006	.003	.006
.0075	.006	.001	.001	.003	.007	.005	.005	.006	.006	.009	.010	.010	.010	.009	.007	.010	.004	.011
.0100	.008	.001	.005	.004	.012	.012	.010	.007	.007	.013	.014	.014	.014	.015	.014	.016	.005	.017
.0125	.013	.001	.006	.005	.013	.012	.013	.011	.011	.015	.016	.016	.016	.019	.019	.020	.006	.021
.0150	.017	.002	.006	.007	.015	.016	.014	.014	.012	.018	.020	.020	.019	.021	.022	.023	.008	.025
.0175	.019	.004	.008	.010	.022	.018	.016	.014	.015	.025	.026	.026	.026	.026	.024	.028	.010	.030
.0200	.024	.006	.009	.010	.023	.020	.018	.015	.017	.025	.027	.027	.028	.029	.028	.030	.012	.033
.0225	.025	.006	.013	.012	.026	.024	.022	.015	.017	.030	.030	.030	.030	.029	.031	.033	.015	.034
.0250	.027	.006	.014	.014	.030	.026	.024	.018	.018	.033	.033	.033	.033	.032	.032	.034	.015	.035
.0275	.028	.008	.016	.014	.031	.027	.024	.019	.024	.033	.033	.033	.036	.033	.033	.034	.016	.037
.0300	.029	.012	.020	.019	.033	.031	.025	.019	.025	.035	.035	.035	.038	.035	.034	.036	.025	.039
.0325	.030	.013	.022	.019	.035	.033	.027	.023	.025	.037	.039	.039	.040	.038	.035	.039	.025	.043
.0350	.030	.016	.027	.022	.037	.035	.030	.026	.028	.038	.042	.042	.041	.038	.036	.039	.028	.044
.0375	.030	.018	.028	.024	.037	.038	.032	.028	.029	.039	.044	.045	.042	.038	.038	.040	.029	.046
.0400	.032	.019	.028	.024	.041	.039	.034	.029	.031	.041	.046	.046	.046	.042	.040	.042	.030	.047
.0425	.033	.021	.030	.027	.042	.039	.035	.033	.032	.043	.048	.048	.048	.043	.042	.044	.032	.048
.0450	.034	.023	.030	.029	.044	.039	.036	.035	.033	.045	.050	.050	.050	.046	.043	.047	.033	.052
.0475	.034	.026	.032	.031	.044	.042	.037	.036	.035	.046	.050	.050	.051	.046	.043	.047	.035	.053
.0500	.035	.031	.032	.034	.045	.043	.042	.039	.038	.048	.052	.052	.052	.047	.046	.049	.037	.055
.0525	.035	.033	.033	.034	.048	.044	.044	.042	.043	.051	.058	.058	.059	.049	.047	.051	.038	.061
.0550	.036	.033	.035	.035	.049	.045	.046	.043	.045	.053	.059	.059	.062	.050	.049	.053	.038	.064
.0575	.038	.034	.035	.038	.052	.048	.046	.047	.049	.056	.065	.065	.068	.054	.050	.057	.042	.072
.0600	.039	.035	.035	.041	.055	.051	.049	.048	.052	.060	.069	.069	.074	.058	.054	.062	.045	.077
.0625	.039	.035	.038	.041	.056	.053	.050	.054	.053	.061	.074	.074	.076	.059	.055	.063	.046	.079
.0650	.040	.036	.040	.044	.058	.055	.053	.054	.055	.064	.075	.075	.078	.061	.059	.066	.049	.080
.0675	.042	.039	.042	.045	.062	.056	.059	.059	.057	.070	.080	.080	.081	.065	.066	.073	.052	.085
.0700	.043	.040	.044	.047	.063	.059	.061	.062	.061	.073	.083	.083	.083	.066	.067	.075	.054	.089
.0725	.044	.043	.047	.049	.065	.063	.063	.065	.062	.075	.086	.086	.085	.069	.070	.078	.058	.092
.0750	.046	.047	.048	.051	.067	.067	.067	.071	.068	.079	.092	.092	.089	.072	.075	.082	.064	.101
.0775	.046	.052	.050	.052	.068	.068	.069	.072	.071	.081	.093	.093	.091	.073	.077	.084	.066	.102
.0800	.049	.052	.051	.054	.070	.070	.072	.077	.077	.083	.097	.097	.097	.076	.081	.087	.067	.107
.0825	.053	.054	.051	.055	.070	.074	.074	.080	.078	.084	.098	.098	.098	.078	.083	.089	.067	.108
.0850	.054	.054	.053	.055	.071	.077	.075	.081	.080	.085	.099	.099	.099	.080	.085	.091	.068	.109
.0875	.057	.058	.054	.056	.073	.078	.080	.083	.081	.089	.101	.101	.101	.083	.089	.095	.071	.110
.0900	.057	.059	.056	.057	.075	.081	.085	.084	.084	.092	.102	.102	.103	.085	.092	.098	.073	.113
.0925	.060	.060	.059	.062	.077	.085	.086	.087	.089	.093	.104	.104	.108	.089	.094	.100	.077	.119
.0950	.062	.061	.061	.062	.083	.086	.086	.087	.092	.097	.108	.108	.113	.093	.094	.103	.077	.122
.0975	.064	.062	.063	.063	.086	.089	.088	.091	.093	.099	.114	.114	.116	.095	.097	.105	.079	.126
.1000	.066	.063	.064	.064	.090	.091	.091	.093	.095	.103	.118	.118	.120	.100	.101	.110	.079	.129

CONFIGURATION VI NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0 5	.003	.000	.000	.001	.002	.002	.003	.002	.003	.003	.004	.004	.004	.003	.004	.004	.001	.006
.0 0	.006	.000	.002	.003	.005	.006	.008	.008	.007	.008	.009	.009	.009	.008	.011	.011	.003	.012
.0 75	.007	.001	.004	.007	.009	.011	.010	.012	.013	.011	.015	.016	.015	.012	.012	.013	.008	.018
.0 10	.012	.002	.006	.010	.012	.014	.014	.017	.014	.015	.020	.020	.018	.019	.019	.020	.011	.026
.0 25	.015	.004	.008	.013	.015	.016	.020	.019	.020	.021	.023	.023	.023	.021	.026	.026	.014	.029
.0 50	.018	.004	.010	.015	.019	.019	.023	.024	.023	.026	.028	.028	.027	.026	.030	.032	.016	.035
.0 75	.020	.008	.012	.015	.020	.022	.025	.026	.028	.027	.030	.030	.031	.027	.034	.034	.019	.040
.0 00	.020	.010	.013	.018	.024	.027	.025	.028	.030	.028	.032	.032	.034	.031	.034	.035	.024	.042
.0 25	.021	.013	.016	.022	.025	.028	.028	.031	.033	.031	.035	.035	.037	.033	.038	.039	.029	.044
.0 50	.022	.014	.019	.023	.026	.028	.031	.031	.034	.033	.036	.036	.038	.035	.040	.041	.030	.045
.0 75	.025	.015	.026	.024	.028	.028	.031	.034	.034	.035	.040	.040	.040	.039	.042	.045	.032	.050
.0 00	.025	.017	.027	.030	.033	.032	.034	.038	.037	.042	.048	.048	.048	.041	.044	.049	.037	.054
.0 25	.026	.018	.028	.033	.036	.038	.036	.039	.038	.044	.050	.050	.050	.044	.047	.051	.039	.056
.0 50	.028	.020	.034	.035	.039	.039	.037	.039	.040	.047	.052	.052	.053	.048	.049	.055	.044	.061
.0 75	.030	.023	.035	.036	.044	.041	.038	.041	.040	.050	.057	.057	.056	.052	.050	.058	.047	.067
.0 00	.036	.024	.038	.036	.046	.045	.042	.041	.041	.052	.057	.057	.057	.055	.054	.059	.048	.068
.0 25	.038	.028	.039	.037	.050	.049	.045	.044	.042	.056	.061	.061	.059	.057	.058	.062	.050	.072
.0 50	.042	.029	.040	.037	.055	.050	.048	.045	.044	.062	.065	.066	.065	.064	.063	.070	.051	.078
.0 75	.044	.030	.045	.038	.058	.051	.050	.048	.047	.066	.071	.071	.070	.066	.066	.072	.055	.080
.0 00	.047	.032	.046	.041	.061	.057	.053	.049	.049	.071	.075	.075	.073	.070	.070	.077	.060	.085
.0 25	.048	.039	.046	.042	.063	.062	.057	.051	.052	.073	.077	.078	.075	.070	.072	.078	.062	.088
.0 50	.051	.041	.048	.045	.064	.062	.060	.058	.055	.074	.081	.081	.079	.073	.075	.080	.065	.092
.0 75	.053	.043	.050	.047	.066	.063	.064	.060	.057	.077	.083	.083	.080	.075	.079	.083	.068	.095
.0 00	.054	.044	.051	.050	.069	.065	.066	.062	.063	.077	.084	.084	.084	.077	.080	.083	.070	.097
.0 25	.055	.046	.054	.053	.072	.069	.071	.067	.067	.082	.089	.089	.089	.079	.084	.087	.075	.102
.0 50	.059	.047	.056	.056	.073	.071	.074	.072	.069	.085	.094	.094	.091	.081	.088	.090	.078	.105
.0 75	.059	.052	.057	.062	.075	.072	.077	.073	.070	.088	.095	.095	.092	.082	.090	.093	.083	.107
.0 00	.061	.054	.062	.066	.076	.076	.078	.075	.073	.089	.096	.096	.095	.084	.092	.095	.087	.110
.0 5	.063	.056	.064	.070	.077	.079	.079	.078	.077	.091	.099	.099	.098	.084	.093	.096	.092	.113
.0 0	.068	.058	.066	.073	.078	.080	.082	.080	.082	.094	.101	.101	.101	.088	.099	.101	.093	.114
.0 5	.070	.059	.067	.074	.080	.084	.085	.084	.084	.097	.105	.105	.103	.091	.103	.105	.093	.116
.0 0	.073	.065	.068	.075	.084	.088	.086	.086	.087	.100	.109	.109	.109	.095	.104	.108	.096	.123
.0 5	.074	.065	.069	.077	.085	.091	.089	.086	.089	.100	.109	.109	.111	.096	.106	.108	.098	.124
.0 0	.076	.068	.072	.077	.088	.092	.090	.087	.093	.102	.110	.110	.114	.099	.108	.111	.101	.128
.0 5	.078	.068	.074	.078	.091	.094	.092	.089	.094	.105	.113	.113	.117	.101	.108	.112	.101	.131
.0 0	.079	.068	.075	.081	.101	.094	.093	.092	.096	.111	.120	.120	.124	.111	.110	.118	.103	.134
.0 5	.082	.072	.077	.085	.103	.095	.095	.097	.097	.113	.124	.124	.125	.112	.112	.119	.108	.138
.0 0	.086	.072	.078	.087	.104	.097	.096	.097	.098	.115	.125	.125	.127	.114	.114	.122	.110	.140
.1 75	.087	.072	.081	.091	.105	.099	.097	.097	.101	.117	.126	.126	.131	.116	.116	.125	.113	.144
.1 00	.092	.076	.082	.092	.110	.101	.098	.102	.103	.122	.135	.135	.137	.121	.118	.130	.116	.152

CONFIGURATION VII NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	AL
.0025	.000	.000	.000	.000	.001	.001	.001	.000	.000	.001	.001	.001	.001	.001	.001	.001	.000	.00
.0050	.001	.000	.000	.000	.002	.002	.001	.002	.002	.002	.003	.003	.003	.002	.002	.002	.000	.00
.0075	.003	.000	.000	.001	.004	.003	.003	.004	.005	.004	.005	.005	.006	.004	.004	.004	.001	.00
.0100	.008	.002	.002	.002	.005	.006	.006	.008	.008	.007	.010	.010	.009	.009	.010	.010	.002	.01
.0125	.008	.002	.003	.003	.010	.009	.011	.012	.011	.013	.015	.015	.014	.013	.013	.015	.003	.01
.0150	.011	.006	.005	.005	.015	.015	.012	.012	.013	.018	.019	.019	.019	.019	.015	.020	.008	.02
.0175	.012	.007	.007	.007	.020	.019	.019	.017	.017	.021	.023	.023	.023	.022	.023	.023	.010	.02
.0200	.013	.008	.008	.010	.026	.022	.021	.019	.019	.027	.028	.028	.028	.028	.026	.029	.012	.03
.0225	.013	.011	.010	.012	.029	.026	.024	.023	.021	.031	.032	.032	.031	.030	.026	.031	.016	.03
.0250	.015	.012	.011	.013	.030	.028	.027	.023	.025	.032	.032	.032	.033	.032	.030	.033	.017	.03
.0275	.021	.016	.015	.013	.035	.033	.030	.025	.025	.037	.038	.038	.037	.038	.036	.039	.020	.04
.0300	.025	.017	.020	.015	.040	.036	.031	.027	.029	.041	.042	.042	.042	.045	.038	.045	.023	.04
.0325	.025	.020	.022	.019	.043	.039	.034	.030	.034	.044	.047	.047	.047	.048	.041	.048	.026	.05
.0350	.027	.022	.025	.023	.044	.043	.042	.035	.037	.048	.048	.048	.050	.049	.047	.052	.030	.05
.0375	.032	.023	.027	.025	.046	.046	.044	.038	.040	.050	.052	.052	.053	.051	.050	.054	.032	.05
.0400	.033	.026	.028	.029	.047	.049	.046	.040	.042	.051	.053	.053	.055	.053	.052	.055	.036	.06
.0425	.035	.028	.031	.031	.052	.051	.051	.043	.044	.056	.058	.058	.060	.058	.056	.059	.039	.06
.0450	.038	.030	.034	.033	.056	.052	.053	.047	.046	.061	.065	.065	.065	.062	.058	.064	.039	.07
.0475	.041	.033	.034	.035	.059	.055	.055	.051	.054	.063	.069	.069	.070	.064	.059	.065	.041	.07
.0500	.042	.037	.038	.038	.060	.061	.056	.051	.056	.063	.069	.069	.070	.064	.060	.065	.046	.07
.0525	.045	.038	.040	.038	.063	.063	.062	.054	.060	.069	.073	.073	.074	.068	.067	.072	.047	.07
.0550	.048	.040	.045	.042	.068	.066	.063	.059	.060	.073	.078	.078	.077	.074	.068	.076	.051	.08
.0575	.049	.044	.047	.045	.069	.068	.066	.060	.063	.075	.080	.080	.080	.076	.072	.079	.054	.08
.0600	.052	.045	.050	.047	.072	.070	.068	.063	.068	.076	.082	.082	.082	.079	.075	.081	.056	.08
.0625	.054	.048	.051	.052	.075	.075	.072	.067	.069	.080	.086	.086	.085	.083	.079	.086	.061	.09
.0650	.057	.049	.054	.053	.078	.077	.075	.071	.071	.082	.088	.088	.087	.085	.083	.088	.062	.09
.0675	.059	.052	.056	.058	.082	.079	.078	.073	.073	.086	.091	.091	.089	.090	.087	.093	.066	.09
.0700	.060	.053	.058	.061	.084	.081	.078	.076	.076	.088	.094	.094	.094	.092	.087	.095	.068	.10
.0725	.061	.057	.062	.062	.085	.085	.084	.081	.078	.091	.098	.098	.096	.093	.092	.098	.072	.10
.0750	.063	.063	.062	.063	.088	.088	.085	.082	.079	.094	.101	.101	.099	.096	.094	.101	.074	.10
.0775	.066	.066	.062	.064	.092	.090	.087	.085	.085	.096	.102	.102	.102	.100	.096	.104	.076	.10
.0800	.066	.067	.064	.064	.094	.093	.090	.088	.089	.098	.104	.104	.104	.102	.098	.105	.076	.11
.0825	.068	.067	.070	.067	.097	.096	.095	.090	.091	.104	.108	.108	.108	.104	.104	.110	.079	.11
.0850	.069	.068	.072	.071	.100	.099	.098	.090	.091	.107	.110	.110	.111	.108	.106	.112	.082	.11
.0875	.072	.069	.075	.073	.104	.099	.099	.093	.094	.110	.114	.114	.115	.112	.106	.115	.084	.12
.0900	.072	.071	.077	.075	.105	.101	.101	.094	.097	.110	.115	.115	.116	.113	.107	.115	.086	.12
.0925	.074	.072	.078	.075	.106	.103	.103	.098	.102	.112	.119	.119	.119	.115	.109	.117	.087	.12
.0950	.077	.074	.080	.076	.108	.108	.104	.101	.104	.113	.122	.123	.122	.117	.110	.118	.087	.13
.0975	.079	.074	.080	.077	.111	.108	.106	.103	.107	.116	.124	.124	.125	.121	.112	.121	.088	.13
.1000	.080	.077	.082	.080	.112	.109	.110	.105	.108	.117	.125	.125	.125	.121	.116	.122	.090	.13

CONFIGURATION VII NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.001	.001	.001	.000	.003	.002	.000	.000	.000	.003	.003	.003	.003	.003	.001	.003	.001	.003
.0050	.006	.003	.002	.001	.008	.007	.007	.003	.004	.008	.008	.008	.008	.009	.009	.009	.003	.009
.0075	.006	.003	.004	.005	.010	.010	.009	.006	.006	.010	.011	.011	.010	.011	.010	.011	.006	.011
.0100	.008	.005	.007	.007	.012	.011	.011	.010	.012	.012	.014	.014	.014	.013	.012	.013	.009	.014
.0125	.008	.007	.010	.009	.016	.016	.015	.014	.015	.017	.018	.018	.019	.017	.015	.017	.010	.019
.0150	.013	.007	.013	.012	.017	.019	.019	.016	.015	.020	.020	.020	.020	.020	.021	.022	.013	.022
.0175	.016	.012	.014	.013	.020	.020	.020	.021	.020	.021	.024	.024	.023	.024	.023	.024	.015	.027
.0200	.018	.016	.015	.013	.022	.023	.023	.022	.022	.024	.027	.027	.027	.027	.027	.028	.016	.031
.0225	.020	.019	.017	.014	.026	.025	.024	.023	.024	.027	.029	.029	.029	.030	.029	.031	.019	.033
.0250	.022	.021	.021	.017	.027	.027	.026	.026	.027	.029	.030	.030	.032	.032	.032	.034	.025	.037
.0275	.026	.024	.022	.021	.031	.028	.029	.029	.030	.034	.037	.037	.038	.036	.035	.039	.027	.043
.0300	.028	.025	.023	.027	.036	.036	.033	.031	.032	.039	.043	.043	.043	.041	.038	.043	.031	.048
.0325	.029	.027	.027	.027	.042	.038	.038	.036	.034	.044	.049	.049	.048	.046	.042	.047	.034	.051
.0350	.031	.031	.029	.030	.043	.040	.039	.037	.036	.045	.050	.050	.049	.049	.045	.050	.038	.054
.0375	.032	.033	.032	.032	.045	.042	.040	.038	.040	.047	.051	.051	.051	.051	.046	.051	.041	.054
.0400	.036	.035	.035	.035	.048	.045	.045	.043	.041	.053	.054	.054	.054	.056	.053	.058	.046	.059
.0425	.040	.037	.038	.039	.048	.046	.047	.047	.043	.053	.056	.056	.055	.056	.054	.058	.048	.061
.0450	.042	.037	.042	.043	.049	.048	.050	.048	.049	.056	.058	.058	.059	.057	.057	.060	.050	.064
.0475	.046	.040	.043	.044	.051	.054	.053	.049	.050	.058	.060	.060	.061	.059	.059	.062	.053	.066
.0500	.046	.042	.047	.046	.054	.057	.055	.055	.057	.060	.065	.065	.067	.061	.061	.064	.054	.070
.0525	.047	.045	.050	.047	.057	.060	.058	.059	.058	.062	.069	.069	.068	.063	.064	.066	.057	.073
.0550	.048	.047	.052	.049	.058	.061	.060	.063	.061	.064	.073	.073	.071	.064	.066	.068	.059	.076
.0575	.048	.047	.052	.052	.059	.063	.062	.064	.064	.065	.073	.073	.073	.064	.066	.068	.059	.076
.0600	.051	.048	.053	.054	.064	.063	.067	.066	.066	.072	.079	.079	.078	.071	.072	.076	.060	.083
.0625	.053	.051	.055	.057	.066	.066	.069	.069	.069	.075	.080	.080	.080	.073	.074	.079	.061	.084
.0650	.056	.053	.056	.058	.069	.069	.071	.070	.071	.078	.081	.081	.083	.075	.076	.082	.064	.087
.0675	.058	.056	.057	.058	.071	.072	.073	.071	.072	.080	.083	.083	.084	.078	.078	.084	.065	.088
.0700	.059	.056	.058	.059	.074	.078	.075	.074	.073	.081	.085	.085	.085	.080	.080	.085	.066	.089
.0725	.060	.059	.059	.059	.076	.079	.078	.074	.074	.082	.085	.085	.085	.083	.082	.086	.069	.089
.0750	.063	.060	.059	.061	.079	.079	.081	.077	.074	.086	.089	.089	.088	.086	.087	.090	.070	.093
.0775	.065	.062	.064	.065	.080	.080	.082	.077	.076	.087	.089	.089	.088	.088	.089	.092	.074	.094
.0800	.065	.063	.066	.067	.081	.081	.082	.079	.082	.087	.090	.090	.092	.089	.089	.092	.076	.096
.0825	.068	.064	.066	.070	.082	.082	.084	.083	.087	.089	.094	.094	.096	.090	.091	.094	.080	.103
.0850	.072	.066	.069	.072	.083	.085	.085	.089	.090	.091	.097	.097	.099	.094	.092	.096	.083	.106
.0875	.072	.067	.072	.075	.088	.088	.088	.091	.091	.095	.102	.103	.103	.098	.095	.100	.084	.110
.0900	.072	.068	.075	.078	.090	.091	.089	.095	.091	.096	.106	.106	.103	.098	.095	.100	.086	.110
.0925	.073	.069	.077	.081	.092	.093	.091	.095	.094	.099	.107	.107	.107	.099	.097	.103	.090	.114
.0950	.075	.070	.080	.083	.095	.096	.095	.096	.099	.103	.109	.109	.111	.101	.101	.107	.092	.117
.0975	.076	.072	.080	.084	.097	.098	.097	.099	.102	.105	.112	.112	.112	.103	.101	.107	.093	.119
.1000	.076	.075	.081	.084	.099	.099	.100	.104	.104	.108	.116	.116	.115	.105	.103	.110	.093	.123

CONFIGURATION VIII NS =1000 N1=N2=20 SIZE OF PROCEDURES RFQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.000	.000	.000	.000	.002	.002	.002	.002	.002	.002	.003	.003	.003	.002	.002	.002	.000	.003
.0050	.003	.000	.000	.000	.003	.004	.004	.004	.005	.004	.004	.004	.005	.004	.004	.004	.000	.005
.0075	.004	.000	.000	.001	.005	.004	.006	.006	.005	.007	.007	.007	.006	.006	.006	.007	.001	.007
.0100	.008	.001	.003	.004	.009	.009	.007	.007	.007	.010	.010	.010	.010	.010	.011	.011	.004	.011
.0125	.008	.002	.003	.004	.011	.011	.010	.007	.007	.011	.011	.011	.011	.012	.012	.012	.004	.012
.0150	.009	.003	.004	.004	.013	.012	.011	.010	.010	.013	.014	.014	.015	.015	.013	.015	.004	.017
.0175	.011	.003	.004	.006	.014	.013	.013	.010	.010	.014	.015	.015	.016	.017	.017	.017	.006	.019
.0200	.013	.003	.005	.006	.016	.014	.014	.015	.013	.017	.019	.019	.020	.019	.019	.020	.006	.024
.0225	.013	.003	.007	.008	.017	.018	.018	.020	.022	.020	.023	.023	.026	.020	.022	.023	.008	.028
.0250	.013	.006	.008	.009	.021	.021	.020	.023	.023	.023	.027	.027	.029	.023	.023	.025	.010	.030
.0275	.014	.008	.009	.010	.022	.024	.023	.025	.025	.025	.030	.030	.031	.024	.026	.027	.010	.033
.0300	.015	.008	.010	.012	.026	.027	.026	.027	.027	.028	.032	.032	.034	.028	.029	.030	.012	.035
.0325	.018	.009	.013	.016	.029	.028	.030	.029	.031	.033	.037	.037	.040	.031	.033	.035	.017	.042
.0350	.019	.012	.016	.017	.033	.029	.031	.033	.033	.038	.043	.043	.044	.035	.035	.040	.019	.047
.0375	.021	.013	.018	.019	.036	.033	.034	.034	.036	.041	.045	.045	.047	.038	.038	.043	.021	.050
.0400	.022	.015	.020	.021	.037	.036	.037	.038	.039	.043	.047	.047	.049	.039	.042	.045	.024	.052
.0425	.023	.017	.021	.022	.041	.039	.039	.039	.040	.046	.050	.050	.052	.044	.045	.049	.026	.054
.0450	.026	.021	.025	.028	.043	.043	.040	.039	.042	.047	.051	.051	.053	.046	.048	.050	.031	.055
.0475	.026	.022	.026	.030	.046	.048	.043	.044	.045	.050	.055	.055	.056	.049	.050	.052	.033	.058
.0500	.028	.022	.029	.031	.048	.049	.049	.046	.047	.057	.059	.059	.060	.051	.054	.058	.033	.064
.0525	.031	.024	.030	.032	.050	.051	.051	.049	.051	.059	.061	.061	.065	.054	.056	.060	.035	.068
.0550	.033	.025	.032	.032	.052	.053	.055	.055	.054	.062	.066	.066	.068	.058	.060	.064	.035	.071
.0575	.034	.028	.033	.034	.055	.059	.058	.056	.057	.066	.069	.069	.072	.061	.062	.068	.038	.076
.0600	.034	.030	.033	.037	.061	.063	.061	.057	.062	.069	.072	.072	.079	.065	.064	.070	.041	.081
.0625	.036	.034	.035	.037	.063	.063	.063	.059	.063	.070	.074	.074	.081	.067	.065	.071	.043	.082
.0650	.038	.034	.038	.040	.064	.065	.065	.062	.065	.072	.077	.077	.083	.068	.067	.073	.045	.084
.0675	.041	.035	.039	.040	.070	.069	.070	.063	.068	.076	.080	.080	.087	.072	.073	.076	.046	.087
.0700	.043	.037	.042	.040	.072	.070	.071	.064	.071	.077	.082	.082	.090	.074	.074	.077	.047	.090
.0725	.045	.038	.043	.042	.076	.074	.073	.068	.074	.082	.087	.087	.096	.079	.077	.083	.048	.097
.0750	.045	.041	.047	.045	.077	.075	.075	.071	.076	.083	.088	.088	.098	.079	.079	.083	.052	.098
.0775	.045	.043	.050	.049	.082	.076	.077	.074	.076	.088	.094	.094	.102	.084	.081	.088	.056	.104
.0800	.046	.046	.050	.049	.083	.079	.081	.079	.077	.092	.098	.098	.104	.085	.085	.092	.058	.106
.0825	.049	.048	.050	.052	.086	.085	.082	.082	.077	.094	.100	.100	.106	.088	.086	.094	.061	.109
.0850	.051	.050	.051	.055	.087	.087	.083	.086	.080	.095	.105	.105	.109	.089	.086	.095	.063	.112
.0875	.054	.052	.051	.057	.088	.089	.086	.088	.082	.096	.106	.106	.109	.090	.089	.096	.064	.114
.0900	.054	.054	.054	.061	.092	.092	.089	.088	.083	.100	.109	.109	.112	.094	.092	.100	.070	.116
.0925	.054	.057	.059	.064	.093	.094	.094	.091	.086	.104	.111	.111	.113	.095	.097	.104	.074	.119
.0950	.055	.058	.061	.067	.095	.096	.095	.095	.090	.106	.115	.115	.118	.097	.098	.106	.076	.124
.0975	.057	.060	.064	.067	.098	.097	.099	.096	.095	.106	.115	.115	.121	.099	.102	.106	.077	.127
.1000	.058	.061	.065	.070	.098	.099	.101	.100	.098	.108	.116	.116	.122	.100	.105	.109	.080	.129

CONFIGURATION VIII NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.001	.001	.001	.001	.000	.002
.0050	.001	.001	.000	.000	.002	.001	.001	.002	.002	.002	.003	.003	.003	.002	.002	.002	.001	.004
.0075	.001	.002	.002	.002	.004	.003	.003	.004	.004	.006	.007	.007	.007	.004	.004	.006	.003	.008
.0100	.002	.003	.003	.002	.007	.009	.008	.006	.005	.010	.010	.010	.010	.008	.009	.010	.003	.011
.0125	.003	.003	.003	.007	.009	.011	.010	.009	.007	.011	.012	.012	.011	.009	.011	.011	.007	.014
.0150	.006	.004	.008	.009	.012	.012	.013	.011	.012	.014	.015	.015	.018	.014	.015	.016	.010	.021
.0175	.009	.007	.008	.012	.016	.015	.014	.014	.014	.017	.018	.018	.021	.018	.018	.019	.015	.025
.0200	.013	.008	.012	.013	.018	.019	.017	.017	.016	.020	.022	.022	.024	.020	.021	.022	.015	.028
.0225	.016	.009	.013	.013	.021	.020	.017	.018	.022	.021	.024	.024	.029	.023	.022	.023	.015	.031
.0250	.016	.012	.013	.015	.021	.020	.020	.021	.023	.021	.026	.026	.030	.023	.023	.023	.017	.031
.0275	.019	.013	.014	.016	.022	.024	.025	.021	.024	.027	.028	.028	.032	.025	.029	.030	.018	.034
.0300	.019	.013	.017	.017	.024	.024	.026	.025	.026	.027	.030	.030	.034	.027	.030	.030	.019	.035
.0325	.020	.013	.018	.020	.025	.026	.029	.028	.028	.030	.032	.032	.036	.029	.031	.032	.022	.037
.0350	.020	.015	.020	.021	.027	.028	.029	.029	.032	.032	.034	.034	.039	.031	.031	.034	.023	.041
.0375	.021	.017	.020	.021	.028	.030	.030	.032	.033	.032	.037	.037	.040	.032	.033	.034	.023	.042
.0400	.022	.019	.024	.025	.031	.032	.031	.034	.035	.034	.038	.038	.043	.034	.033	.035	.029	.046
.0425	.024	.021	.024	.026	.032	.033	.034	.037	.037	.036	.042	.042	.046	.037	.037	.039	.031	.052
.0450	.024	.026	.027	.029	.034	.035	.034	.040	.037	.037	.046	.046	.047	.039	.037	.040	.034	.053
.0475	.028	.027	.027	.029	.039	.036	.036	.041	.041	.042	.051	.051	.054	.043	.041	.044	.035	.059
.0500	.029	.028	.032	.031	.041	.037	.039	.045	.042	.044	.053	.053	.056	.045	.043	.046	.038	.062
.0525	.031	.030	.033	.032	.041	.037	.042	.046	.042	.047	.054	.054	.056	.045	.046	.049	.040	.063
.0550	.034	.030	.033	.034	.043	.041	.047	.048	.042	.053	.057	.057	.057	.047	.052	.056	.041	.064
.0575	.035	.033	.037	.036	.044	.045	.049	.050	.048	.055	.058	.058	.062	.048	.055	.058	.045	.067
.0600	.035	.036	.038	.039	.047	.047	.052	.051	.050	.059	.060	.060	.063	.051	.057	.061	.047	.069
.0625	.037	.037	.039	.043	.050	.051	.053	.052	.050	.062	.063	.063	.066	.055	.057	.064	.049	.073
.0650	.041	.039	.041	.044	.056	.057	.053	.054	.051	.065	.068	.068	.071	.059	.059	.068	.050	.078
.0675	.041	.040	.044	.046	.057	.060	.057	.054	.054	.065	.068	.068	.073	.060	.062	.068	.053	.079
.0700	.044	.042	.045	.048	.059	.064	.060	.056	.056	.067	.069	.069	.075	.063	.066	.071	.055	.081
.0725	.044	.042	.046	.052	.063	.066	.064	.058	.060	.070	.073	.073	.081	.067	.069	.074	.059	.086
.0750	.046	.045	.047	.053	.067	.067	.065	.061	.065	.073	.077	.077	.086	.071	.071	.077	.060	.091
.0775	.049	.045	.048	.054	.068	.068	.069	.066	.068	.076	.084	.084	.090	.073	.077	.081	.060	.093
.0800	.051	.049	.049	.055	.070	.071	.070	.070	.070	.078	.087	.087	.092	.075	.078	.082	.064	.096
.0825	.052	.049	.049	.056	.073	.075	.074	.074	.073	.082	.091	.091	.096	.079	.080	.085	.065	.101
.0850	.053	.051	.050	.057	.079	.077	.076	.074	.077	.086	.095	.095	.102	.084	.082	.089	.067	.108
.0875	.054	.054	.052	.059	.083	.078	.078	.076	.079	.089	.096	.096	.105	.088	.085	.092	.069	.110
.0900	.057	.057	.056	.061	.087	.081	.081	.083	.082	.094	.102	.102	.110	.093	.089	.098	.073	.115
.0925	.060	.059	.056	.064	.088	.084	.085	.084	.084	.097	.104	.104	.113	.095	.093	.101	.076	.118
.0950	.060	.064	.060	.065	.090	.089	.088	.089	.087	.100	.108	.108	.115	.096	.096	.104	.081	.122
.0975	.061	.065	.064	.067	.095	.091	.091	.090	.092	.102	.110	.110	.120	.100	.099	.106	.083	.124
.1000	.061	.065	.066	.068	.096	.096	.094	.091	.095	.103	.110	.110	.122	.101	.101	.106	.084	.126

CONFIGURATION IX NS =1000 N1=N2=20 SIZE OF PROCEDURES REQUESTED!09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	/
.0025	.002	.000	.000	.000	.002	.002	.002	.001	.000	.002	.002	.002	.002	.002	.002	.002	.000	.0
.0050	.003	.000	.000	.000	.003	.003	.003	.002	.001	.003	.003	.003	.003	.003	.003	.003	.000	.0
.0075	.003	.001	.001	.001	.004	.004	.004	.003	.003	.004	.004	.004	.004	.004	.004	.004	.001	.0
.0100	.003	.001	.001	.001	.005	.005	.005	.005	.006	.005	.005	.005	.006	.005	.005	.005	.001	.0
.0125	.003	.002	.002	.001	.005	.005	.005	.006	.006	.005	.006	.006	.006	.005	.005	.005	.002	.0
.0150	.004	.003	.003	.004	.005	.005	.005	.006	.006	.005	.006	.006	.006	.006	.006	.006	.004	.0
.0175	.004	.003	.004	.004	.008	.007	.007	.007	.007	.009	.010	.010	.010	.009	.007	.009	.004	.0
.0200	.005	.003	.004	.004	.008	.010	.009	.008	.008	.010	.010	.010	.010	.009	.009	.010	.004	.0
.0225	.006	.004	.004	.004	.010	.011	.011	.010	.008	.011	.012	.012	.011	.011	.011	.011	.004	.0
.0250	.007	.004	.005	.005	.012	.011	.011	.012	.009	.012	.014	.014	.012	.013	.012	.013	.005	.0
.0275	.008	.005	.005	.005	.014	.012	.014	.014	.012	.016	.016	.016	.016	.015	.015	.017	.005	.0
.0300	.009	.005	.005	.005	.017	.018	.016	.018	.016	.019	.021	.021	.021	.018	.017	.020	.005	.0
.0325	.010	.005	.005	.005	.021	.021	.019	.019	.019	.024	.025	.025	.026	.022	.020	.025	.005	.0
.0350	.012	.006	.005	.005	.025	.024	.021	.022	.022	.026	.028	.028	.029	.027	.024	.028	.006	.0
.0375	.013	.006	.005	.005	.027	.027	.027	.022	.024	.028	.029	.029	.032	.030	.029	.030	.006	.0
.0400	.013	.007	.006	.007	.030	.031	.032	.029	.028	.034	.036	.036	.036	.033	.032	.034	.009	.0
.0425	.015	.008	.010	.008	.033	.035	.036	.032	.031	.037	.038	.038	.039	.037	.036	.037	.010	.0
.0450	.016	.012	.013	.012	.035	.037	.038	.036	.035	.039	.040	.040	.041	.038	.038	.039	.016	.0
.0475	.016	.014	.015	.017	.040	.041	.041	.041	.041	.043	.044	.044	.045	.041	.041	.043	.019	.0
.0500	.018	.018	.020	.020	.043	.043	.043	.041	.043	.045	.045	.045	.048	.044	.043	.045	.023	.0
.0525	.022	.020	.022	.020	.046	.046	.046	.045	.045	.049	.050	.050	.051	.047	.047	.050	.023	.0
.0550	.022	.022	.023	.020	.049	.050	.049	.047	.046	.050	.051	.051	.052	.050	.050	.051	.023	.0
.0575	.023	.024	.024	.023	.052	.051	.050	.054	.050	.052	.056	.056	.057	.054	.052	.054	.024	.0
.0600	.026	.024	.024	.025	.052	.052	.052	.056	.051	.053	.058	.058	.058	.054	.054	.055	.025	.0
.0625	.026	.025	.025	.027	.056	.057	.058	.059	.056	.060	.063	.063	.062	.058	.059	.061	.028	.0
.0650	.026	.026	.026	.027	.056	.060	.062	.061	.060	.062	.063	.063	.063	.058	.063	.063	.028	.0
.0675	.028	.026	.027	.029	.058	.061	.062	.061	.062	.062	.063	.063	.064	.060	.063	.063	.030	.0
.0700	.030	.027	.028	.029	.061	.062	.063	.063	.064	.064	.065	.065	.067	.062	.063	.064	.030	.0
.0725	.031	.027	.030	.030	.064	.063	.064	.064	.064	.066	.067	.067	.068	.065	.064	.066	.031	.0
.0750	.032	.030	.032	.034	.065	.065	.064	.066	.064	.066	.069	.069	.068	.066	.064	.066	.035	.0
.0775	.034	.031	.032	.035	.067	.067	.065	.069	.067	.067	.071	.071	.071	.069	.067	.069	.036	.0
.0800	.034	.032	.033	.037	.068	.068	.068	.071	.069	.069	.073	.073	.073	.070	.070	.071	.038	.0
.0825	.035	.033	.037	.041	.069	.070	.071	.071	.072	.072	.074	.074	.077	.071	.072	.073	.043	.0
.0850	.039	.041	.045	.048	.070	.072	.072	.074	.075	.073	.077	.077	.079	.072	.073	.074	.050	.0
.0875	.039	.042	.046	.048	.075	.073	.073	.076	.076	.078	.082	.082	.084	.077	.074	.079	.050	.0
.0900	.042	.045	.048	.051	.078	.076	.078	.077	.079	.081	.084	.084	.087	.079	.079	.082	.053	.0
.0925	.046	.048	.050	.051	.079	.079	.078	.078	.079	.081	.084	.084	.087	.081	.080	.083	.054	.0
.0950	.046	.048	.050	.052	.079	.081	.079	.083	.080	.082	.087	.087	.088	.081	.080	.083	.055	.0
.0975	.049	.051	.053	.054	.081	.081	.079	.084	.080	.083	.089	.089	.089	.083	.080	.084	.058	.0
.1000	.052	.053	.058	.057	.084	.083	.085	.084	.081	.088	.091	.091	.092	.086	.087	.089	.062	.0

CONFIGURATION IX NS =1000 N1=N2=50 SIZE OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	AL
.0025	.000	.000	.000	.000	.002	.001	.001	.000	.000	.002	.002	.002	.002	.002	.001	.002	.000	.00
.0050	.001	.000	.000	.000	.003	.003	.003	.003	.002	.003	.003	.003	.003	.003	.003	.003	.000	.00
.0075	.001	.001	.000	.000	.006	.006	.006	.006	.005	.006	.006	.006	.006	.006	.006	.006	.001	.00
.0100	.003	.001	.001	.002	.008	.008	.008	.008	.009	.009	.009	.009	.010	.008	.008	.009	.002	.01
.0125	.006	.002	.003	.003	.015	.013	.013	.011	.011	.016	.016	.016	.016	.016	.014	.017	.003	.01
.0150	.010	.006	.005	.004	.021	.018	.016	.016	.014	.021	.022	.022	.023	.022	.020	.022	.006	.02
.0175	.010	.009	.007	.008	.022	.022	.020	.019	.019	.023	.025	.025	.025	.023	.021	.023	.010	.02
.0200	.012	.010	.009	.009	.023	.023	.025	.020	.019	.025	.025	.025	.025	.025	.026	.026	.012	.02
.0225	.016	.014	.011	.013	.024	.026	.026	.023	.020	.026	.026	.026	.026	.027	.028	.028	.017	.02
.0250	.017	.014	.014	.016	.027	.026	.026	.027	.025	.027	.028	.028	.029	.029	.028	.029	.019	.03
.0275	.019	.016	.019	.018	.028	.029	.030	.030	.032	.030	.031	.031	.034	.031	.032	.032	.021	.03
.0300	.021	.019	.022	.020	.030	.030	.030	.032	.034	.030	.033	.033	.036	.032	.032	.032	.023	.03
.0325	.026	.020	.024	.023	.031	.031	.032	.036	.034	.032	.036	.036	.036	.034	.034	.034	.026	.03
.0350	.028	.024	.027	.028	.033	.032	.033	.036	.036	.035	.038	.038	.040	.037	.036	.038	.029	.04
.0375	.029	.027	.028	.029	.035	.034	.035	.036	.037	.038	.039	.039	.041	.037	.038	.040	.030	.04
.0400	.030	.030	.030	.034	.037	.038	.037	.037	.037	.041	.042	.042	.043	.039	.039	.042	.035	.04
.0425	.031	.031	.032	.034	.041	.039	.037	.038	.039	.043	.045	.045	.046	.043	.039	.044	.036	.04
.0450	.032	.031	.032	.036	.043	.040	.039	.038	.042	.044	.046	.046	.050	.046	.041	.046	.037	.05
.0475	.034	.032	.033	.036	.045	.043	.041	.040	.043	.046	.049	.049	.053	.048	.043	.048	.038	.05
.0500	.035	.032	.037	.038	.046	.047	.044	.042	.044	.049	.051	.051	.055	.050	.047	.052	.039	.05
.0525	.037	.032	.038	.039	.051	.048	.048	.043	.044	.054	.055	.055	.058	.056	.051	.057	.040	.06
.0550	.039	.033	.038	.041	.053	.050	.051	.048	.045	.055	.058	.058	.059	.057	.054	.058	.041	.06
.0575	.040	.036	.039	.042	.055	.053	.053	.052	.049	.058	.062	.062	.063	.060	.057	.062	.045	.06
.0600	.041	.039	.040	.042	.058	.058	.057	.055	.052	.062	.065	.065	.067	.064	.062	.067	.046	.06
.0625	.042	.040	.043	.042	.062	.061	.060	.057	.053	.064	.068	.068	.069	.068	.064	.068	.047	.07
.0650	.045	.044	.043	.043	.064	.065	.063	.059	.060	.068	.071	.071	.073	.070	.068	.072	.050	.07
.0675	.046	.047	.045	.046	.068	.069	.065	.062	.064	.070	.074	.074	.077	.073	.070	.074	.054	.07
.0700	.052	.052	.048	.049	.071	.070	.069	.064	.066	.072	.075	.075	.080	.076	.074	.076	.059	.08
.0725	.054	.052	.051	.051	.071	.070	.069	.069	.068	.072	.076	.076	.081	.077	.075	.077	.060	.08
.0750	.055	.057	.056	.053	.073	.071	.071	.073	.073	.074	.079	.079	.084	.080	.078	.080	.065	.08
.0775	.058	.060	.057	.053	.075	.071	.072	.079	.076	.077	.085	.085	.088	.083	.079	.083	.066	.09
.0800	.060	.061	.060	.056	.076	.076	.076	.081	.081	.081	.088	.088	.092	.085	.083	.088	.068	.09
.0825	.063	.063	.061	.060	.079	.079	.080	.083	.081	.085	.091	.091	.094	.088	.087	.092	.071	.10
.0850	.066	.064	.065	.062	.082	.080	.081	.085	.085	.087	.095	.095	.098	.092	.089	.095	.072	.10
.0875	.069	.068	.068	.068	.083	.083	.085	.092	.086	.090	.101	.101	.100	.095	.095	.100	.077	.10
.0900	.070	.069	.071	.069	.085	.088	.086	.092	.089	.091	.101	.101	.104	.098	.097	.102	.078	.11
.0925	.074	.070	.071	.072	.087	.091	.089	.093	.094	.093	.102	.102	.105	.101	.101	.105	.080	.11
.0950	.075	.072	.074	.076	.088	.092	.093	.096	.098	.097	.104	.104	.109	.102	.104	.108	.082	.11
.0975	.076	.072	.074	.079	.088	.094	.098	.097	.101	.098	.104	.104	.110	.102	.108	.108	.083	.11
.1000	.077	.072	.077	.081	.091	.095	.100	.102	.102	.101	.108	.108	.112	.104	.110	.111	.085	.11

CONFIGURATION X NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.212	0.000	0.036	0.064	0.216	0.188	0.140	0.096	0.140	0.238	0.240	0.242	0.238	0.262	0.230	0.264	0.066	0.268
.0050	0.264	0.000	0.084	0.126	0.296	0.248	0.198	0.148	0.198	0.318	0.324	0.324	0.318	0.340	0.292	0.344	0.142	0.350
.0075	0.330	0.010	0.156	0.172	0.344	0.298	0.250	0.174	0.250	0.368	0.374	0.376	0.368	0.400	0.356	0.404	0.196	0.410
.0100	0.352	0.024	0.202	0.206	0.386	0.338	0.292	0.204	0.292	0.416	0.420	0.420	0.416	0.434	0.392	0.442	0.242	0.446
.0125	0.362	0.052	0.234	0.238	0.410	0.380	0.326	0.228	0.326	0.448	0.454	0.460	0.448	0.452	0.422	0.468	0.278	0.478
.0150	0.374	0.052	0.266	0.262	0.448	0.416	0.348	0.268	0.348	0.482	0.490	0.492	0.482	0.488	0.444	0.504	0.322	0.512
.0175	0.382	0.094	0.302	0.290	0.482	0.440	0.380	0.284	0.380	0.516	0.518	0.518	0.516	0.512	0.470	0.528	0.354	0.530
.0200	0.382	0.094	0.332	0.310	0.506	0.464	0.400	0.306	0.400	0.536	0.538	0.540	0.536	0.530	0.484	0.544	0.380	0.548
.0225	0.382	0.164	0.360	0.328	0.534	0.482	0.420	0.320	0.420	0.562	0.562	0.562	0.562	0.556	0.492	0.568	0.408	0.568
.0250	0.408	0.164	0.378	0.350	0.540	0.496	0.444	0.350	0.444	0.574	0.576	0.576	0.574	0.566	0.520	0.582	0.422	0.584
.0275	0.408	0.164	0.396	0.366	0.558	0.512	0.448	0.362	0.448	0.586	0.586	0.586	0.586	0.582	0.522	0.594	0.436	0.594
.0300	0.482	0.164	0.418	0.384	0.570	0.526	0.466	0.378	0.466	0.596	0.598	0.598	0.596	0.606	0.572	0.618	0.456	0.620
.0325	0.490	0.220	0.436	0.394	0.590	0.552	0.478	0.384	0.478	0.612	0.614	0.616	0.612	0.628	0.582	0.638	0.482	0.642
.0350	0.498	0.220	0.448	0.400	0.608	0.564	0.494	0.402	0.494	0.628	0.632	0.634	0.628	0.642	0.590	0.652	0.490	0.658
.0375	0.514	0.220	0.476	0.424	0.620	0.580	0.502	0.422	0.502	0.638	0.646	0.646	0.638	0.656	0.602	0.664	0.518	0.672
.0400	0.520	0.220	0.494	0.438	0.630	0.584	0.520	0.428	0.520	0.650	0.658	0.658	0.650	0.664	0.610	0.674	0.536	0.680
.0425	0.530	0.220	0.504	0.446	0.640	0.592	0.534	0.430	0.534	0.656	0.662	0.664	0.656	0.670	0.614	0.678	0.544	0.682
.0450	0.530	0.220	0.512	0.456	0.652	0.602	0.546	0.442	0.546	0.666	0.674	0.676	0.666	0.680	0.622	0.686	0.554	0.692
.0475	0.530	0.320	0.522	0.464	0.660	0.608	0.566	0.452	0.566	0.682	0.686	0.686	0.682	0.688	0.634	0.698	0.588	0.710
.0500	0.556	0.320	0.536	0.480	0.668	0.620	0.578	0.456	0.578	0.690	0.696	0.696	0.690	0.702	0.652	0.712	0.600	0.726
.0525	0.556	0.320	0.556	0.496	0.680	0.632	0.590	0.468	0.590	0.700	0.706	0.706	0.700	0.708	0.660	0.720	0.612	0.732
.0550	0.556	0.320	0.568	0.504	0.692	0.642	0.594	0.482	0.594	0.712	0.718	0.720	0.712	0.718	0.662	0.730	0.624	0.744
.0575	0.556	0.320	0.584	0.506	0.696	0.648	0.596	0.488	0.596	0.718	0.724	0.724	0.718	0.722	0.662	0.734	0.634	0.746
.0600	0.556	0.320	0.588	0.516	0.702	0.658	0.600	0.496	0.600	0.722	0.728	0.728	0.722	0.728	0.666	0.738	0.642	0.748
.0625	0.568	0.320	0.598	0.526	0.712	0.668	0.608	0.502	0.608	0.734	0.742	0.742	0.734	0.742	0.682	0.754	0.648	0.766
.0650	0.568	0.320	0.610	0.534	0.720	0.676	0.616	0.514	0.616	0.744	0.754	0.754	0.744	0.750	0.686	0.762	0.658	0.774
.0675	0.568	0.320	0.620	0.546	0.724	0.678	0.622	0.520	0.622	0.746	0.756	0.758	0.746	0.754	0.686	0.764	0.668	0.778
.0700	0.588	0.320	0.626	0.558	0.730	0.686	0.628	0.526	0.628	0.754	0.762	0.764	0.754	0.766	0.702	0.778	0.674	0.788
.0725	0.588	0.320	0.636	0.568	0.732	0.690	0.632	0.534	0.632	0.756	0.764	0.766	0.756	0.768	0.704	0.778	0.678	0.790
.0750	0.598	0.500	0.642	0.586	0.740	0.696	0.640	0.538	0.640	0.764	0.772	0.776	0.764	0.772	0.706	0.782	0.744	0.818
.0775	0.598	0.500	0.648	0.594	0.752	0.702	0.648	0.546	0.648	0.778	0.786	0.790	0.778	0.782	0.712	0.792	0.746	0.826
.0800	0.614	0.500	0.658	0.594	0.760	0.708	0.660	0.558	0.660	0.790	0.798	0.800	0.790	0.790	0.722	0.802	0.748	0.834
.0825	0.620	0.500	0.668	0.602	0.760	0.710	0.660	0.566	0.660	0.790	0.798	0.800	0.790	0.790	0.722	0.802	0.754	0.834
.0850	0.630	0.500	0.672	0.602	0.764	0.714	0.668	0.572	0.668	0.796	0.802	0.808	0.796	0.796	0.728	0.808	0.756	0.838
.0875	0.656	0.500	0.682	0.606	0.772	0.720	0.678	0.582	0.678	0.804	0.810	0.814	0.804	0.804	0.732	0.816	0.760	0.840
.0900	0.662	0.502	0.688	0.616	0.780	0.728	0.682	0.590	0.682	0.808	0.814	0.816	0.808	0.810	0.736	0.818	0.768	0.840
.0925	0.664	0.502	0.700	0.616	0.784	0.730	0.700	0.594	0.700	0.812	0.818	0.818	0.812	0.810	0.740	0.820	0.772	0.842
.0950	0.664	0.502	0.706	0.620	0.792	0.738	0.700	0.602	0.700	0.816	0.820	0.820	0.816	0.816	0.740	0.824	0.772	0.842
.0975	0.664	0.502	0.714	0.624	0.798	0.746	0.704	0.608	0.704	0.820	0.824	0.824	0.820	0.822	0.744	0.828	0.780	0.846
.1000	0.664	0.502	0.718	0.636	0.802	0.754	0.704	0.612	0.704	0.824	0.828	0.828	0.824	0.824	0.744	0.830	0.784	0.848

CONFIGURATION X NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	Al
.0025	0.564	0.020	0.550	0.516	0.732	0.660	0.568	0.432	0.568	0.754	0.754	0.754	0.754	0.750	0.652	0.760	0.592	0.7
.0050	0.638	0.068	0.682	0.604	0.786	0.746	0.672	0.510	0.672	0.810	0.810	0.810	0.810	0.804	0.734	0.814	0.710	0.8
.0075	0.698	0.140	0.742	0.664	0.830	0.772	0.700	0.566	0.700	0.844	0.844	0.844	0.844	0.844	0.770	0.852	0.776	0.8
.0100	0.738	0.194	0.782	0.692	0.858	0.800	0.734	0.610	0.734	0.866	0.866	0.870	0.866	0.866	0.794	0.870	0.812	0.8
.0125	0.754	0.194	0.816	0.714	0.878	0.826	0.762	0.634	0.762	0.888	0.892	0.892	0.888	0.886	0.818	0.894	0.830	0.8
.0150	0.786	0.262	0.838	0.738	0.890	0.836	0.780	0.652	0.780	0.898	0.904	0.904	0.898	0.898	0.838	0.904	0.844	0.91
.0175	0.802	0.328	0.852	0.760	0.898	0.844	0.796	0.682	0.796	0.910	0.914	0.914	0.910	0.912	0.856	0.920	0.856	0.9
.0200	0.814	0.330	0.868	0.766	0.900	0.856	0.810	0.700	0.810	0.918	0.920	0.920	0.918	0.916	0.864	0.924	0.874	0.9
.0225	0.824	0.330	0.878	0.778	0.908	0.874	0.818	0.708	0.818	0.924	0.924	0.926	0.924	0.920	0.874	0.928	0.888	0.9
.0250	0.828	0.426	0.886	0.788	0.908	0.882	0.832	0.722	0.832	0.926	0.926	0.928	0.926	0.920	0.880	0.930	0.900	0.9
.0275	0.834	0.428	0.898	0.806	0.918	0.890	0.842	0.732	0.842	0.932	0.932	0.932	0.932	0.928	0.886	0.936	0.914	0.9
.0300	0.846	0.428	0.908	0.816	0.928	0.904	0.842	0.738	0.842	0.938	0.938	0.940	0.938	0.936	0.890	0.942	0.920	0.94
.0325	0.858	0.430	0.912	0.820	0.934	0.912	0.854	0.746	0.854	0.944	0.944	0.944	0.944	0.940	0.902	0.946	0.926	0.94
.0350	0.868	0.548	0.912	0.828	0.940	0.920	0.862	0.754	0.862	0.948	0.948	0.948	0.948	0.944	0.908	0.948	0.932	0.95
.0375	0.872	0.548	0.918	0.830	0.944	0.920	0.872	0.766	0.872	0.952	0.952	0.952	0.952	0.948	0.914	0.952	0.938	0.95
.0400	0.876	0.548	0.920	0.834	0.946	0.924	0.880	0.772	0.880	0.954	0.954	0.954	0.954	0.950	0.920	0.954	0.940	0.96
.0425	0.880	0.548	0.922	0.844	0.948	0.926	0.886	0.782	0.886	0.956	0.956	0.956	0.956	0.952	0.922	0.956	0.940	0.96
.0450	0.882	0.550	0.924	0.852	0.948	0.932	0.886	0.788	0.886	0.956	0.956	0.956	0.956	0.952	0.922	0.956	0.942	0.96
.0475	0.888	0.550	0.924	0.858	0.950	0.936	0.892	0.810	0.892	0.958	0.958	0.958	0.958	0.954	0.926	0.958	0.944	0.96
.0500	0.888	0.554	0.924	0.860	0.954	0.938	0.894	0.812	0.894	0.960	0.962	0.962	0.960	0.958	0.928	0.960	0.944	0.96
.0525	0.898	0.652	0.928	0.868	0.958	0.940	0.900	0.814	0.900	0.962	0.964	0.964	0.962	0.962	0.936	0.962	0.956	0.97
.0550	0.904	0.658	0.934	0.872	0.958	0.944	0.902	0.826	0.902	0.962	0.964	0.964	0.962	0.962	0.940	0.962	0.958	0.97
.0575	0.914	0.662	0.938	0.874	0.962	0.948	0.904	0.832	0.904	0.966	0.968	0.968	0.966	0.966	0.940	0.966	0.962	0.97
.0600	0.918	0.662	0.942	0.876	0.962	0.948	0.910	0.832	0.910	0.966	0.968	0.968	0.966	0.966	0.942	0.966	0.966	0.97
.0625	0.918	0.664	0.948	0.882	0.962	0.950	0.912	0.842	0.912	0.966	0.968	0.970	0.966	0.966	0.944	0.966	0.968	0.97
.0650	0.920	0.664	0.948	0.882	0.962	0.952	0.916	0.844	0.916	0.966	0.968	0.970	0.966	0.966	0.946	0.966	0.968	0.97
.0675	0.920	0.666	0.954	0.896	0.964	0.952	0.926	0.846	0.926	0.970	0.972	0.972	0.970	0.968	0.950	0.970	0.968	0.98
.0700	0.920	0.666	0.958	0.900	0.966	0.954	0.928	0.854	0.928	0.972	0.974	0.974	0.972	0.970	0.952	0.972	0.970	0.98
.0725	0.920	0.668	0.958	0.902	0.972	0.954	0.930	0.860	0.930	0.976	0.976	0.976	0.976	0.974	0.954	0.976	0.970	0.98
.0750	0.922	0.668	0.958	0.902	0.972	0.956	0.932	0.864	0.932	0.976	0.976	0.976	0.976	0.974	0.956	0.976	0.970	0.98
.0775	0.922	0.674	0.958	0.902	0.974	0.958	0.936	0.864	0.936	0.976	0.976	0.976	0.976	0.974	0.956	0.976	0.970	0.98
.0800	0.924	0.774	0.960	0.902	0.974	0.960	0.940	0.866	0.940	0.976	0.976	0.978	0.976	0.974	0.956	0.976	0.974	0.98
.0825	0.926	0.776	0.960	0.908	0.974	0.960	0.942	0.872	0.942	0.978	0.980	0.980	0.978	0.974	0.958	0.978	0.974	0.98
.0850	0.926	0.776	0.966	0.910	0.974	0.960	0.946	0.880	0.946	0.978	0.980	0.980	0.978	0.974	0.960	0.978	0.978	0.98
.0875	0.930	0.776	0.966	0.910	0.976	0.962	0.946	0.884	0.946	0.980	0.982	0.982	0.980	0.978	0.964	0.982	0.978	0.99
.0900	0.934	0.780	0.966	0.910	0.976	0.962	0.948	0.884	0.948	0.980	0.982	0.982	0.980	0.978	0.966	0.982	0.978	0.99
.0925	0.934	0.782	0.968	0.910	0.978	0.966	0.950	0.886	0.950	0.982	0.984	0.984	0.982	0.980	0.968	0.984	0.980	0.99
.0950	0.934	0.784	0.968	0.910	0.978	0.968	0.952	0.886	0.952	0.984	0.984	0.984	0.984	0.980	0.970	0.986	0.980	0.99
.0975	0.934	0.784	0.970	0.910	0.980	0.970	0.952	0.890	0.952	0.986	0.986	0.986	0.986	0.982	0.970	0.988	0.982	0.99
.1000	0.936	0.790	0.972	0.910	0.980	0.970	0.952	0.890	0.952	0.986	0.986	0.986	0.986	0.982	0.970	0.988	0.984	0.99

CONFIGURATION XI NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.188	0.000	0.010	0.010	0.042	0.034	0.020	0.006	0.020	0.082	0.082	0.082	0.082	0.192	0.190	0.192	0.012	0.192
.0050	0.188	0.002	0.040	0.028	0.104	0.064	0.028	0.010	0.028	0.104	0.104	0.104	0.104	0.200	0.192	0.200	0.040	0.200
.0075	0.342	0.020	0.066	0.038	0.148	0.072	0.040	0.020	0.040	0.148	0.148	0.148	0.148	0.352	0.344	0.352	0.068	0.352
.0100	0.346	0.056	0.086	0.054	0.176	0.086	0.052	0.022	0.052	0.176	0.176	0.176	0.176	0.360	0.350	0.360	0.094	0.360
.0125	0.346	0.092	0.106	0.062	0.202	0.098	0.056	0.026	0.056	0.202	0.202	0.202	0.202	0.364	0.350	0.364	0.124	0.364
.0150	0.346	0.092	0.130	0.068	0.222	0.110	0.062	0.030	0.062	0.222	0.222	0.222	0.222	0.368	0.350	0.368	0.140	0.368
.0175	0.348	0.184	0.144	0.074	0.230	0.130	0.072	0.032	0.072	0.230	0.232	0.232	0.230	0.372	0.350	0.372	0.204	0.374
.0200	0.348	0.184	0.176	0.080	0.246	0.136	0.078	0.040	0.078	0.246	0.246	0.246	0.246	0.378	0.352	0.378	0.220	0.378
.0225	0.348	0.340	0.200	0.090	0.260	0.146	0.086	0.040	0.086	0.260	0.260	0.260	0.260	0.384	0.352	0.384	0.354	0.384
.0250	0.350	0.340	0.214	0.096	0.276	0.154	0.100	0.048	0.100	0.276	0.276	0.276	0.276	0.392	0.360	0.392	0.358	0.392
.0275	0.350	0.340	0.218	0.098	0.302	0.162	0.100	0.050	0.100	0.302	0.302	0.302	0.302	0.410	0.360	0.410	0.360	0.410
.0300	0.514	0.340	0.230	0.112	0.308	0.164	0.110	0.052	0.110	0.308	0.308	0.308	0.308	0.532	0.518	0.532	0.360	0.532
.0325	0.514	0.510	0.248	0.114	0.326	0.178	0.116	0.054	0.116	0.326	0.326	0.326	0.326	0.534	0.518	0.534	0.516	0.534
.0350	0.514	0.510	0.254	0.122	0.340	0.184	0.124	0.060	0.124	0.340	0.340	0.340	0.340	0.536	0.518	0.536	0.518	0.536
.0375	0.514	0.510	0.268	0.130	0.350	0.196	0.128	0.068	0.128	0.350	0.350	0.350	0.350	0.536	0.520	0.536	0.518	0.536
.0400	0.516	0.510	0.278	0.138	0.362	0.206	0.130	0.072	0.130	0.362	0.362	0.362	0.362	0.542	0.522	0.542	0.518	0.542
.0425	0.518	0.510	0.298	0.142	0.372	0.216	0.134	0.074	0.134	0.372	0.372	0.372	0.372	0.544	0.522	0.544	0.518	0.544
.0450	0.518	0.510	0.314	0.144	0.386	0.226	0.138	0.082	0.138	0.386	0.386	0.386	0.386	0.546	0.524	0.546	0.520	0.546
.0475	0.518	0.682	0.330	0.152	0.400	0.230	0.150	0.088	0.150	0.400	0.400	0.400	0.400	0.548	0.526	0.548	0.686	0.698
.0500	0.520	0.682	0.338	0.152	0.406	0.232	0.152	0.088	0.152	0.406	0.406	0.406	0.406	0.550	0.530	0.550	0.686	0.700
.0525	0.520	0.682	0.352	0.160	0.412	0.240	0.162	0.096	0.162	0.412	0.412	0.412	0.412	0.552	0.530	0.552	0.688	0.700
.0550	0.520	0.682	0.364	0.162	0.426	0.250	0.164	0.100	0.164	0.426	0.426	0.426	0.426	0.560	0.530	0.560	0.690	0.700
.0575	0.520	0.682	0.372	0.168	0.430	0.256	0.168	0.100	0.168	0.430	0.430	0.430	0.430	0.560	0.532	0.560	0.692	0.700
.0600	0.520	0.682	0.374	0.168	0.438	0.264	0.168	0.104	0.168	0.438	0.440	0.440	0.438	0.564	0.532	0.564	0.692	0.700
.0625	0.522	0.682	0.390	0.170	0.454	0.272	0.174	0.104	0.174	0.454	0.454	0.454	0.454	0.570	0.536	0.570	0.694	0.702
.0650	0.522	0.682	0.398	0.174	0.462	0.288	0.180	0.108	0.180	0.462	0.462	0.462	0.462	0.572	0.536	0.572	0.694	0.702
.0675	0.522	0.682	0.402	0.180	0.470	0.300	0.182	0.112	0.182	0.470	0.470	0.470	0.470	0.574	0.536	0.574	0.694	0.704
.0700	0.522	0.682	0.410	0.184	0.476	0.300	0.182	0.114	0.182	0.476	0.476	0.476	0.476	0.576	0.536	0.576	0.694	0.706
.0725	0.522	0.682	0.418	0.194	0.482	0.302	0.196	0.116	0.196	0.482	0.482	0.482	0.482	0.580	0.536	0.580	0.694	0.706
.0750	0.522	0.838	0.426	0.194	0.498	0.304	0.198	0.116	0.198	0.498	0.498	0.498	0.498	0.586	0.536	0.586	0.840	0.844
.0775	0.522	0.838	0.432	0.200	0.502	0.312	0.198	0.116	0.198	0.502	0.502	0.502	0.502	0.588	0.536	0.588	0.840	0.844
.0800	0.522	0.838	0.440	0.204	0.512	0.316	0.202	0.122	0.202	0.512	0.512	0.512	0.512	0.594	0.536	0.594	0.840	0.846
.0825	0.522	0.838	0.450	0.208	0.520	0.322	0.202	0.134	0.202	0.520	0.520	0.520	0.520	0.598	0.536	0.598	0.840	0.846
.0850	0.540	0.838	0.458	0.214	0.526	0.324	0.206	0.140	0.206	0.526	0.526	0.526	0.526	0.602	0.556	0.602	0.840	0.846
.0875	0.544	0.838	0.460	0.216	0.534	0.326	0.212	0.144	0.212	0.534	0.534	0.534	0.534	0.610	0.560	0.610	0.840	0.846
.0900	0.546	0.838	0.462	0.220	0.538	0.328	0.216	0.150	0.216	0.538	0.538	0.538	0.538	0.612	0.562	0.612	0.840	0.846
.0925	0.546	0.838	0.468	0.224	0.544	0.332	0.220	0.150	0.220	0.544	0.544	0.544	0.544	0.614	0.562	0.614	0.840	0.846
.0950	0.546	0.838	0.472	0.226	0.552	0.338	0.220	0.150	0.220	0.552	0.552	0.552	0.552	0.620	0.562	0.620	0.840	0.846
.0975	0.546	0.838	0.482	0.228	0.562	0.342	0.226	0.152	0.226	0.562	0.562	0.562	0.562	0.628	0.562	0.628	0.840	0.846
.1000	0.546	0.838	0.492	0.228	0.572	0.348	0.228	0.154	0.228	0.572	0.572	0.572	0.572	0.630	0.562	0.630	0.840	0.846

CONFIGURATION XI NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.790	0.244	0.296	0.084	0.346	0.118	0.032	0.008	0.032	0.346	0.346	0.346	0.346	0.792	0.790	0.792	0.360	0.792
.0050	0.790	0.572	0.420	0.126	0.446	0.174	0.060	0.010	0.060	0.446	0.446	0.446	0.446	0.794	0.790	0.794	0.606	0.794
.0075	0.888	0.758	0.484	0.154	0.498	0.206	0.088	0.014	0.088	0.498	0.498	0.498	0.498	0.892	0.888	0.892	0.776	0.892
.0100	0.890	0.854	0.536	0.176	0.522	0.232	0.110	0.022	0.110	0.522	0.522	0.522	0.522	0.894	0.890	0.894	0.864	0.894
.0125	0.890	0.854	0.578	0.192	0.558	0.256	0.116	0.026	0.116	0.558	0.558	0.558	0.558	0.894	0.890	0.894	0.868	0.894
.0150	0.898	0.932	0.598	0.212	0.582	0.278	0.130	0.032	0.130	0.582	0.582	0.582	0.582	0.902	0.900	0.902	0.936	0.948
.0175	0.898	0.968	0.624	0.218	0.610	0.300	0.146	0.038	0.146	0.610	0.610	0.610	0.610	0.906	0.900	0.906	0.968	0.972
.0200	0.946	0.968	0.656	0.232	0.630	0.310	0.164	0.042	0.164	0.630	0.630	0.630	0.630	0.950	0.946	0.950	0.968	0.972
.0225	0.948	0.968	0.674	0.240	0.644	0.330	0.176	0.048	0.176	0.644	0.644	0.644	0.644	0.950	0.948	0.950	0.968	0.972
.0250	0.948	0.980	0.694	0.260	0.664	0.346	0.182	0.054	0.182	0.664	0.664	0.664	0.664	0.950	0.948	0.950	0.980	0.984
.0275	0.948	0.980	0.714	0.270	0.686	0.364	0.192	0.058	0.192	0.686	0.686	0.686	0.686	0.952	0.948	0.952	0.980	0.984
.0300	0.948	0.980	0.730	0.284	0.702	0.374	0.198	0.066	0.198	0.702	0.702	0.702	0.702	0.952	0.948	0.952	0.980	0.984
.0325	0.948	0.980	0.738	0.298	0.720	0.390	0.204	0.072	0.204	0.720	0.720	0.720	0.720	0.952	0.948	0.952	0.980	0.984
.0350	0.950	0.990	0.750	0.306	0.732	0.406	0.208	0.080	0.208	0.732	0.732	0.732	0.732	0.954	0.950	0.954	0.990	0.994
.0376	0.950	0.990	0.764	0.312	0.748	0.412	0.212	0.086	0.212	0.748	0.748	0.748	0.748	0.956	0.950	0.956	0.990	0.994
.0400	0.950	0.990	0.774	0.318	0.758	0.422	0.218	0.088	0.218	0.758	0.758	0.758	0.758	0.956	0.950	0.956	0.990	0.994
.0425	0.950	0.990	0.784	0.328	0.766	0.436	0.230	0.092	0.230	0.766	0.766	0.766	0.766	0.956	0.950	0.956	0.990	0.994
.0450	0.950	0.990	0.794	0.340	0.776	0.448	0.246	0.098	0.246	0.776	0.776	0.776	0.776	0.956	0.950	0.956	0.990	0.994
.0475	0.950	0.990	0.802	0.344	0.784	0.466	0.250	0.106	0.250	0.784	0.784	0.784	0.784	0.958	0.950	0.958	0.992	0.994
.0500	0.950	0.990	0.804	0.354	0.788	0.468	0.260	0.112	0.260	0.788	0.788	0.788	0.788	0.960	0.950	0.960	0.992	0.994
.0525	0.974	1.000	0.810	0.360	0.796	0.472	0.266	0.116	0.266	0.796	0.796	0.796	0.796	0.976	0.974	0.976	1.000	1.000
.0550	0.974	1.000	0.822	0.362	0.804	0.478	0.272	0.116	0.272	0.804	0.804	0.804	0.804	0.976	0.974	0.976	1.000	1.000
.0575	0.974	1.000	0.834	0.368	0.806	0.482	0.276	0.120	0.276	0.806	0.806	0.806	0.806	0.976	0.974	0.976	1.000	1.000
.0600	0.974	1.000	0.838	0.374	0.812	0.492	0.280	0.124	0.280	0.812	0.812	0.812	0.812	0.976	0.974	0.976	1.000	1.000
.0625	0.974	1.000	0.842	0.384	0.818	0.496	0.290	0.128	0.290	0.818	0.818	0.818	0.818	0.976	0.974	0.976	1.000	1.000
.0650	0.974	1.000	0.842	0.398	0.830	0.504	0.296	0.136	0.296	0.830	0.830	0.830	0.830	0.976	0.974	0.976	1.000	1.000
.0675	0.974	1.000	0.844	0.404	0.830	0.512	0.304	0.140	0.304	0.830	0.830	0.830	0.830	0.976	0.974	0.976	1.000	1.000
.0700	0.974	1.000	0.846	0.410	0.836	0.520	0.306	0.142	0.306	0.836	0.836	0.836	0.836	0.976	0.974	0.976	1.000	1.000
.0725	0.978	1.000	0.852	0.414	0.844	0.524	0.312	0.150	0.312	0.844	0.844	0.844	0.844	0.978	0.978	0.978	1.000	1.000
.0750	0.978	1.000	0.860	0.418	0.848	0.532	0.314	0.158	0.314	0.848	0.848	0.848	0.848	0.980	0.978	0.980	1.000	1.000
.0775	0.978	1.000	0.864	0.422	0.850	0.534	0.326	0.160	0.326	0.850	0.850	0.850	0.850	0.980	0.978	0.980	1.000	1.000
.0800	0.978	1.000	0.878	0.426	0.854	0.536	0.334	0.162	0.334	0.854	0.854	0.854	0.854	0.980	0.978	0.980	1.000	1.000
.0825	0.978	1.000	0.880	0.430	0.858	0.544	0.336	0.162	0.336	0.858	0.858	0.858	0.858	0.980	0.978	0.980	1.000	1.000
.0850	0.978	1.000	0.880	0.432	0.864	0.548	0.340	0.162	0.340	0.864	0.864	0.864	0.864	0.982	0.978	0.982	1.000	1.000
.0875	0.978	1.000	0.882	0.434	0.866	0.554	0.340	0.168	0.340	0.866	0.866	0.866	0.866	0.982	0.978	0.982	1.000	1.000
.0900	0.980	1.000	0.888	0.444	0.870	0.562	0.346	0.172	0.346	0.870	0.870	0.870	0.870	0.984	0.980	0.984	1.000	1.000
.0925	0.980	1.000	0.892	0.446	0.874	0.572	0.348	0.178	0.348	0.874	0.874	0.874	0.874	0.984	0.980	0.984	1.000	1.000
.0950	0.980	1.000	0.896	0.452	0.874	0.578	0.350	0.182	0.350	0.874	0.874	0.874	0.874	0.984	0.980	0.984	1.000	1.000
.0975	0.980	1.000	0.900	0.456	0.880	0.584	0.354	0.184	0.354	0.880	0.880	0.880	0.880	0.984	0.980	0.984	1.000	1.000
.1000	0.980	1.000	0.902	0.462	0.884	0.592	0.360	0.186	0.360	0.884	0.884	0.884	0.884	0.984	0.980	0.984	1.000	1.000

CONFIGURATION XII NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.128	0.000	0.004	0.028	0.026	0.034	0.042	0.036	0.042	0.046	0.054	0.056	0.046	0.130	0.130	0.130	0.030	0.130
.0050	0.204	0.000	0.014	0.066	0.036	0.054	0.066	0.054	0.066	0.068	0.074	0.078	0.068	0.206	0.206	0.206	0.066	0.208
.0075	0.218	0.002	0.038	0.104	0.044	0.070	0.088	0.078	0.088	0.092	0.108	0.108	0.092	0.220	0.220	0.222	0.106	0.222
.0100	0.240	0.002	0.048	0.130	0.050	0.086	0.096	0.106	0.096	0.100	0.132	0.132	0.100	0.242	0.242	0.244	0.132	0.248
.0125	0.264	0.002	0.056	0.144	0.066	0.098	0.120	0.128	0.120	0.126	0.160	0.160	0.126	0.268	0.268	0.270	0.144	0.276
.0150	0.302	0.002	0.074	0.160	0.076	0.110	0.144	0.148	0.144	0.152	0.178	0.178	0.152	0.304	0.304	0.306	0.162	0.312
.0175	0.330	0.002	0.086	0.186	0.080	0.116	0.154	0.156	0.154	0.162	0.184	0.184	0.162	0.330	0.332	0.332	0.188	0.332
.0200	0.330	0.002	0.098	0.208	0.086	0.132	0.166	0.166	0.166	0.174	0.200	0.202	0.174	0.334	0.334	0.338	0.210	0.342
.0225	0.330	0.008	0.122	0.222	0.094	0.146	0.172	0.172	0.172	0.182	0.208	0.210	0.182	0.336	0.336	0.340	0.226	0.342
.0250	0.330	0.008	0.130	0.234	0.104	0.152	0.186	0.194	0.186	0.196	0.230	0.234	0.196	0.338	0.340	0.342	0.238	0.346
.0275	0.330	0.008	0.130	0.250	0.112	0.160	0.192	0.202	0.192	0.202	0.236	0.236	0.202	0.338	0.340	0.342	0.254	0.348
.0300	0.346	0.008	0.150	0.262	0.120	0.178	0.202	0.224	0.202	0.214	0.256	0.258	0.214	0.356	0.358	0.362	0.266	0.372
.0325	0.372	0.014	0.170	0.270	0.126	0.182	0.210	0.230	0.210	0.220	0.260	0.264	0.220	0.384	0.384	0.388	0.274	0.400
.0350	0.412	0.014	0.182	0.274	0.130	0.184	0.226	0.242	0.226	0.236	0.282	0.284	0.236	0.420	0.422	0.422	0.280	0.432
.0375	0.426	0.014	0.190	0.292	0.142	0.190	0.238	0.254	0.238	0.250	0.296	0.296	0.250	0.438	0.440	0.442	0.296	0.450
.0400	0.452	0.014	0.194	0.308	0.150	0.200	0.246	0.256	0.246	0.260	0.300	0.300	0.260	0.464	0.462	0.466	0.312	0.470
.0425	0.452	0.014	0.200	0.316	0.154	0.208	0.252	0.270	0.252	0.270	0.312	0.312	0.270	0.466	0.462	0.468	0.320	0.472
.0450	0.452	0.014	0.210	0.328	0.158	0.220	0.264	0.280	0.264	0.284	0.322	0.322	0.284	0.466	0.462	0.468	0.330	0.472
.0475	0.452	0.028	0.220	0.344	0.164	0.226	0.272	0.286	0.272	0.292	0.332	0.332	0.292	0.466	0.464	0.470	0.350	0.474
.0500	0.452	0.028	0.230	0.350	0.170	0.232	0.278	0.292	0.278	0.298	0.338	0.338	0.298	0.466	0.464	0.470	0.360	0.474
.0525	0.452	0.028	0.248	0.362	0.172	0.242	0.286	0.306	0.286	0.304	0.352	0.354	0.304	0.466	0.464	0.470	0.372	0.478
.0550	0.452	0.028	0.258	0.372	0.178	0.250	0.290	0.310	0.290	0.312	0.360	0.360	0.312	0.468	0.466	0.474	0.382	0.480
.0575	0.452	0.028	0.270	0.384	0.182	0.256	0.296	0.316	0.296	0.320	0.372	0.376	0.320	0.470	0.470	0.480	0.394	0.490
.0600	0.452	0.028	0.284	0.394	0.192	0.264	0.306	0.320	0.306	0.330	0.378	0.382	0.330	0.470	0.470	0.480	0.404	0.492
.0625	0.456	0.028	0.298	0.400	0.194	0.270	0.308	0.332	0.308	0.330	0.384	0.388	0.330	0.472	0.472	0.482	0.410	0.498
.0650	0.456	0.028	0.304	0.404	0.204	0.282	0.322	0.348	0.322	0.344	0.398	0.398	0.344	0.474	0.476	0.486	0.414	0.500
.0675	0.456	0.028	0.304	0.408	0.210	0.294	0.322	0.354	0.322	0.346	0.400	0.400	0.346	0.476	0.476	0.488	0.418	0.502
.0700	0.468	0.028	0.316	0.416	0.216	0.302	0.326	0.362	0.326	0.354	0.410	0.412	0.354	0.486	0.486	0.496	0.428	0.512
.0725	0.468	0.028	0.322	0.422	0.218	0.304	0.338	0.368	0.338	0.364	0.420	0.420	0.364	0.486	0.488	0.496	0.434	0.512
.0750	0.492	0.056	0.326	0.422	0.226	0.308	0.346	0.372	0.346	0.372	0.428	0.430	0.372	0.506	0.502	0.510	0.444	0.530
.0775	0.492	0.058	0.332	0.426	0.226	0.312	0.346	0.374	0.346	0.372	0.430	0.434	0.372	0.506	0.502	0.510	0.448	0.534
.0800	0.530	0.058	0.344	0.432	0.228	0.316	0.356	0.378	0.356	0.380	0.432	0.436	0.380	0.542	0.538	0.544	0.456	0.566
.0825	0.564	0.058	0.352	0.436	0.234	0.326	0.360	0.382	0.360	0.386	0.436	0.440	0.386	0.574	0.568	0.574	0.458	0.590
.0850	0.582	0.058	0.354	0.440	0.236	0.332	0.362	0.388	0.362	0.388	0.440	0.446	0.388	0.590	0.586	0.592	0.462	0.614
.0875	0.592	0.058	0.362	0.448	0.238	0.336	0.382	0.390	0.382	0.402	0.446	0.450	0.402	0.600	0.600	0.606	0.466	0.620
.0900	0.598	0.058	0.372	0.454	0.240	0.344	0.382	0.394	0.382	0.402	0.446	0.450	0.402	0.606	0.606	0.612	0.472	0.622
.0925	0.598	0.058	0.380	0.456	0.252	0.346	0.398	0.394	0.398	0.416	0.452	0.454	0.416	0.606	0.610	0.616	0.474	0.624
.0950	0.598	0.058	0.388	0.460	0.256	0.352	0.400	0.402	0.400	0.418	0.454	0.456	0.418	0.606	0.610	0.616	0.480	0.624
.0975	0.598	0.062	0.400	0.464	0.260	0.354	0.404	0.406	0.404	0.420	0.458	0.460	0.420	0.606	0.612	0.618	0.490	0.626
.1000	0.598	0.062	0.402	0.472	0.264	0.356	0.404	0.410	0.404	0.420	0.462	0.464	0.420	0.606	0.612	0.618	0.498	0.630

CONFIGURATION X11 NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.536	0.000	0.110	0.258	0.036	0.078	0.106	0.128	0.106	0.112	0.144	0.144	0.112	0.536	0.536	0.536	0.258	0.536
.0050	0.576	0.000	0.164	0.342	0.052	0.122	0.168	0.176	0.168	0.174	0.212	0.214	0.174	0.576	0.576	0.576	0.342	0.576
.0075	0.596	0.000	0.226	0.394	0.060	0.140	0.212	0.206	0.212	0.214	0.256	0.260	0.214	0.596	0.596	0.596	0.394	0.596
.0100	0.674	0.000	0.300	0.432	0.078	0.166	0.256	0.264	0.256	0.258	0.298	0.298	0.258	0.674	0.674	0.674	0.438	0.676
.0125	0.678	0.000	0.340	0.462	0.092	0.192	0.274	0.290	0.274	0.276	0.320	0.320	0.276	0.678	0.678	0.678	0.468	0.680
.0150	0.682	0.000	0.376	0.490	0.100	0.220	0.312	0.310	0.312	0.314	0.344	0.344	0.314	0.682	0.682	0.682	0.498	0.684
.0175	0.714	0.000	0.394	0.520	0.118	0.246	0.332	0.326	0.332	0.336	0.358	0.364	0.336	0.714	0.714	0.714	0.530	0.716
.0200	0.750	0.000	0.410	0.536	0.132	0.268	0.348	0.354	0.348	0.352	0.384	0.384	0.352	0.750	0.750	0.750	0.546	0.750
.0225	0.750	0.000	0.436	0.558	0.144	0.276	0.358	0.370	0.358	0.364	0.398	0.398	0.364	0.750	0.750	0.750	0.564	0.750
.0250	0.750	0.004	0.456	0.580	0.150	0.296	0.374	0.384	0.374	0.382	0.422	0.424	0.382	0.750	0.750	0.750	0.588	0.752
.0275	0.750	0.004	0.472	0.592	0.168	0.318	0.394	0.400	0.394	0.402	0.440	0.442	0.402	0.750	0.750	0.750	0.600	0.752
.0300	0.760	0.004	0.486	0.608	0.186	0.332	0.404	0.418	0.404	0.412	0.454	0.458	0.412	0.760	0.760	0.760	0.614	0.762
.0325	0.798	0.004	0.510	0.620	0.190	0.346	0.416	0.428	0.416	0.424	0.464	0.466	0.424	0.798	0.798	0.798	0.628	0.800
.0350	0.806	0.016	0.520	0.628	0.192	0.354	0.428	0.438	0.428	0.436	0.478	0.478	0.436	0.806	0.806	0.806	0.634	0.806
.0375	0.806	0.016	0.536	0.630	0.200	0.368	0.434	0.452	0.434	0.442	0.484	0.484	0.442	0.806	0.806	0.806	0.638	0.806
.0400	0.806	0.016	0.546	0.640	0.210	0.374	0.442	0.464	0.442	0.450	0.496	0.496	0.450	0.806	0.806	0.806	0.646	0.806
.0425	0.806	0.016	0.552	0.648	0.214	0.378	0.444	0.472	0.444	0.452	0.502	0.502	0.452	0.806	0.806	0.806	0.654	0.806
.0450	0.806	0.016	0.560	0.656	0.222	0.386	0.462	0.482	0.462	0.470	0.510	0.510	0.470	0.806	0.806	0.806	0.660	0.806
.0475	0.806	0.016	0.570	0.670	0.226	0.390	0.476	0.500	0.476	0.484	0.530	0.530	0.484	0.806	0.808	0.808	0.674	0.808
.0500	0.808	0.016	0.580	0.674	0.232	0.396	0.490	0.512	0.490	0.498	0.538	0.540	0.498	0.808	0.810	0.810	0.678	0.810
.0525	0.822	0.030	0.596	0.680	0.248	0.408	0.500	0.516	0.500	0.506	0.546	0.550	0.506	0.822	0.824	0.824	0.686	0.824
.0550	0.854	0.030	0.604	0.684	0.252	0.418	0.502	0.526	0.502	0.508	0.554	0.556	0.508	0.854	0.856	0.856	0.688	0.856
.0575	0.856	0.030	0.616	0.686	0.268	0.422	0.508	0.538	0.508	0.518	0.566	0.568	0.518	0.856	0.858	0.858	0.690	0.860
.0600	0.856	0.030	0.626	0.688	0.276	0.426	0.510	0.546	0.510	0.520	0.574	0.576	0.520	0.856	0.858	0.858	0.698	0.860
.0625	0.856	0.030	0.634	0.692	0.282	0.432	0.516	0.556	0.516	0.526	0.584	0.584	0.526	0.858	0.858	0.858	0.702	0.860
.0650	0.856	0.030	0.640	0.698	0.288	0.442	0.522	0.560	0.522	0.528	0.588	0.588	0.528	0.858	0.858	0.858	0.712	0.860
.0675	0.856	0.030	0.652	0.702	0.296	0.448	0.526	0.562	0.526	0.532	0.588	0.588	0.532	0.858	0.858	0.858	0.718	0.860
.0700	0.856	0.030	0.660	0.702	0.312	0.460	0.530	0.568	0.530	0.538	0.596	0.596	0.538	0.858	0.858	0.858	0.720	0.860
.0725	0.856	0.030	0.674	0.710	0.316	0.464	0.536	0.574	0.536	0.544	0.604	0.604	0.544	0.858	0.858	0.858	0.728	0.860
.0750	0.856	0.030	0.686	0.714	0.318	0.474	0.544	0.582	0.544	0.552	0.610	0.610	0.552	0.858	0.858	0.858	0.738	0.862
.0775	0.856	0.030	0.694	0.720	0.328	0.484	0.550	0.586	0.550	0.562	0.618	0.620	0.562	0.860	0.858	0.860	0.744	0.864
.0800	0.856	0.052	0.700	0.724	0.336	0.490	0.560	0.590	0.560	0.570	0.622	0.624	0.570	0.860	0.858	0.860	0.752	0.870
.0825	0.860	0.052	0.708	0.730	0.340	0.502	0.566	0.596	0.566	0.576	0.626	0.628	0.576	0.864	0.862	0.864	0.758	0.874
.0850	0.866	0.052	0.712	0.740	0.346	0.508	0.574	0.596	0.574	0.588	0.632	0.632	0.588	0.868	0.866	0.868	0.766	0.878
.0875	0.892	0.052	0.716	0.746	0.350	0.516	0.578	0.598	0.578	0.592	0.634	0.634	0.592	0.892	0.892	0.892	0.770	0.898
.0900	0.902	0.052	0.722	0.750	0.352	0.518	0.582	0.598	0.582	0.596	0.636	0.636	0.596	0.902	0.902	0.902	0.776	0.906
.0925	0.902	0.052	0.730	0.758	0.356	0.522	0.586	0.610	0.586	0.600	0.642	0.642	0.600	0.902	0.902	0.902	0.784	0.906
.0950	0.902	0.052	0.736	0.760	0.366	0.528	0.588	0.614	0.588	0.600	0.646	0.646	0.600	0.902	0.902	0.902	0.786	0.906
.0975	0.902	0.052	0.742	0.760	0.368	0.532	0.596	0.614	0.596	0.608	0.648	0.648	0.608	0.902	0.902	0.902	0.788	0.906
.1000	0.902	0.052	0.744	0.764	0.372	0.538	0.598	0.616	0.598	0.610	0.650	0.650	0.610	0.902	0.902	0.902	0.792	0.906

CONFIGURATION XIII NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.084	0.000	0.002	0.028	0.008	0.018	0.034	0.072	0.034	0.034	0.074	0.074	0.034	0.086	0.086	0.086	0.028	0.096
.0050	0.100	0.000	0.004	0.058	0.024	0.028	0.056	0.106	0.056	0.060	0.110	0.110	0.060	0.104	0.106	0.108	0.058	0.130
.0075	0.148	0.002	0.006	0.090	0.026	0.046	0.078	0.134	0.078	0.082	0.138	0.138	0.082	0.150	0.160	0.160	0.090	0.176
.0100	0.148	0.002	0.016	0.120	0.036	0.062	0.096	0.154	0.096	0.098	0.160	0.160	0.098	0.152	0.166	0.168	0.122	0.188
.0125	0.150	0.002	0.022	0.146	0.042	0.074	0.108	0.182	0.108	0.110	0.186	0.186	0.110	0.158	0.176	0.178	0.148	0.206
.0150	0.162	0.002	0.026	0.162	0.044	0.082	0.118	0.200	0.118	0.118	0.202	0.202	0.118	0.172	0.192	0.192	0.162	0.226
.0175	0.264	0.002	0.038	0.196	0.044	0.098	0.134	0.210	0.134	0.134	0.212	0.212	0.134	0.268	0.280	0.280	0.198	0.296
.0200	0.264	0.002	0.046	0.220	0.050	0.106	0.142	0.222	0.142	0.144	0.228	0.228	0.144	0.270	0.282	0.284	0.220	0.302
.0225	0.264	0.004	0.052	0.250	0.058	0.108	0.144	0.244	0.144	0.146	0.246	0.248	0.146	0.274	0.284	0.286	0.250	0.312
.0250	0.266	0.004	0.058	0.264	0.062	0.112	0.160	0.256	0.160	0.162	0.260	0.260	0.162	0.278	0.290	0.292	0.264	0.320
.0275	0.266	0.004	0.068	0.280	0.068	0.116	0.164	0.264	0.164	0.168	0.268	0.268	0.168	0.282	0.292	0.296	0.282	0.322
.0300	0.266	0.004	0.082	0.290	0.076	0.126	0.182	0.280	0.182	0.186	0.284	0.284	0.186	0.284	0.298	0.302	0.292	0.336
.0325	0.266	0.006	0.086	0.306	0.086	0.132	0.188	0.290	0.188	0.192	0.294	0.294	0.192	0.286	0.302	0.306	0.306	0.342
.0350	0.270	0.006	0.092	0.320	0.090	0.140	0.198	0.298	0.198	0.200	0.302	0.302	0.200	0.288	0.306	0.308	0.320	0.358
.0375	0.274	0.006	0.100	0.330	0.096	0.148	0.206	0.312	0.206	0.214	0.322	0.322	0.214	0.296	0.310	0.318	0.330	0.380
.0400	0.316	0.006	0.110	0.344	0.100	0.154	0.208	0.318	0.208	0.216	0.328	0.328	0.216	0.336	0.340	0.348	0.344	0.402
.0425	0.384	0.006	0.116	0.352	0.106	0.160	0.210	0.328	0.210	0.220	0.336	0.336	0.220	0.398	0.394	0.404	0.352	0.420
.0450	0.384	0.006	0.128	0.362	0.114	0.164	0.216	0.338	0.216	0.226	0.348	0.348	0.226	0.398	0.398	0.408	0.364	0.426
.0475	0.384	0.024	0.132	0.372	0.116	0.166	0.236	0.350	0.236	0.242	0.358	0.358	0.242	0.398	0.406	0.412	0.378	0.436
.0500	0.384	0.024	0.140	0.392	0.124	0.174	0.242	0.368	0.242	0.248	0.376	0.376	0.248	0.400	0.408	0.414	0.398	0.452
.0525	0.384	0.024	0.148	0.402	0.128	0.178	0.244	0.380	0.244	0.250	0.386	0.386	0.250	0.400	0.408	0.414	0.410	0.462
.0550	0.384	0.024	0.148	0.414	0.130	0.180	0.252	0.392	0.252	0.260	0.400	0.400	0.260	0.402	0.408	0.416	0.422	0.476
.0575	0.384	0.024	0.152	0.422	0.136	0.188	0.258	0.408	0.258	0.268	0.416	0.416	0.268	0.404	0.408	0.418	0.430	0.482
.0600	0.384	0.024	0.174	0.428	0.138	0.188	0.262	0.418	0.262	0.272	0.426	0.426	0.272	0.406	0.410	0.420	0.436	0.488
.0625	0.386	0.024	0.188	0.440	0.140	0.192	0.266	0.420	0.266	0.276	0.428	0.428	0.276	0.408	0.414	0.424	0.448	0.496
.0650	0.386	0.024	0.192	0.450	0.144	0.198	0.276	0.422	0.276	0.286	0.430	0.430	0.286	0.408	0.416	0.426	0.458	0.502
.0675	0.386	0.024	0.198	0.462	0.148	0.206	0.284	0.424	0.284	0.294	0.432	0.432	0.294	0.408	0.416	0.426	0.470	0.510
.0700	0.386	0.024	0.210	0.468	0.150	0.214	0.294	0.430	0.294	0.304	0.438	0.438	0.304	0.410	0.418	0.428	0.480	0.516
.0725	0.386	0.024	0.212	0.476	0.152	0.216	0.304	0.434	0.304	0.312	0.442	0.442	0.312	0.412	0.424	0.432	0.486	0.524
.0750	0.386	0.054	0.218	0.492	0.158	0.222	0.308	0.440	0.308	0.318	0.450	0.450	0.318	0.416	0.424	0.434	0.506	0.540
.0775	0.386	0.054	0.222	0.502	0.162	0.226	0.312	0.446	0.312	0.322	0.454	0.454	0.322	0.418	0.426	0.436	0.516	0.544
.0800	0.388	0.054	0.228	0.510	0.164	0.230	0.326	0.448	0.326	0.334	0.456	0.456	0.334	0.420	0.438	0.446	0.524	0.552
.0825	0.390	0.054	0.238	0.520	0.168	0.230	0.330	0.448	0.330	0.340	0.458	0.458	0.340	0.424	0.438	0.448	0.534	0.556
.0850	0.396	0.054	0.248	0.520	0.168	0.242	0.332	0.454	0.332	0.342	0.464	0.464	0.342	0.428	0.444	0.454	0.534	0.558
.0875	0.420	0.054	0.256	0.526	0.172	0.242	0.344	0.454	0.344	0.356	0.466	0.466	0.356	0.454	0.462	0.474	0.540	0.564
.0900	0.512	0.054	0.262	0.532	0.180	0.242	0.346	0.462	0.346	0.360	0.476	0.476	0.360	0.538	0.528	0.542	0.546	0.570
.0925	0.524	0.054	0.270	0.544	0.180	0.254	0.350	0.466	0.350	0.364	0.480	0.480	0.364	0.550	0.540	0.554	0.554	0.574
.0950	0.524	0.054	0.274	0.548	0.184	0.260	0.352	0.476	0.352	0.366	0.490	0.490	0.366	0.550	0.540	0.554	0.558	0.576
.0975	0.524	0.054	0.282	0.552	0.188	0.268	0.356	0.484	0.356	0.370	0.498	0.498	0.370	0.550	0.540	0.554	0.562	0.584
.1000	0.524	0.054	0.294	0.556	0.190	0.278	0.358	0.484	0.358	0.372	0.498	0.498	0.372	0.550	0.540	0.554	0.566	0.588

CONFIGURATION XIII NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.418	0.000	0.026	0.366	0.020	0.058	0.108	0.248	0.108	0.108	0.248	0.248	0.108	0.420	0.422	0.422	0.368	0.426
.0050	0.512	0.000	0.062	0.488	0.030	0.086	0.162	0.318	0.162	0.162	0.318	0.318	0.162	0.514	0.520	0.520	0.488	0.538
.0075	0.598	0.000	0.098	0.574	0.052	0.114	0.186	0.378	0.186	0.186	0.378	0.378	0.186	0.600	0.602	0.602	0.574	0.608
.0100	0.598	0.000	0.118	0.620	0.064	0.126	0.218	0.402	0.218	0.218	0.402	0.402	0.218	0.600	0.602	0.602	0.620	0.628
.0125	0.686	0.000	0.150	0.658	0.074	0.148	0.258	0.444	0.258	0.258	0.444	0.444	0.258	0.688	0.688	0.688	0.658	0.696
.0150	0.686	0.000	0.188	0.694	0.076	0.162	0.272	0.468	0.272	0.272	0.468	0.468	0.272	0.688	0.688	0.688	0.694	0.712
.0175	0.686	0.002	0.220	0.722	0.082	0.184	0.288	0.496	0.288	0.288	0.496	0.496	0.288	0.688	0.688	0.688	0.722	0.728
.0200	0.752	0.002	0.248	0.744	0.094	0.200	0.304	0.522	0.304	0.304	0.522	0.522	0.304	0.752	0.752	0.752	0.744	0.762
.0225	0.752	0.002	0.268	0.768	0.112	0.206	0.312	0.546	0.312	0.312	0.546	0.546	0.312	0.752	0.752	0.752	0.768	0.776
.0250	0.752	0.008	0.292	0.790	0.114	0.216	0.326	0.564	0.326	0.326	0.564	0.564	0.326	0.752	0.752	0.752	0.790	0.794
.0275	0.752	0.008	0.328	0.806	0.126	0.226	0.342	0.576	0.342	0.342	0.576	0.576	0.342	0.752	0.754	0.754	0.806	0.810
.0300	0.752	0.008	0.352	0.816	0.142	0.238	0.360	0.598	0.360	0.362	0.598	0.598	0.362	0.752	0.754	0.754	0.816	0.818
.0325	0.752	0.008	0.368	0.820	0.142	0.246	0.372	0.606	0.372	0.374	0.606	0.606	0.374	0.752	0.754	0.754	0.820	0.822
.0350	0.830	0.014	0.388	0.826	0.148	0.254	0.380	0.614	0.380	0.382	0.614	0.614	0.382	0.830	0.830	0.830	0.826	0.836
.0375	0.830	0.014	0.420	0.834	0.150	0.262	0.386	0.624	0.386	0.388	0.624	0.624	0.388	0.830	0.830	0.830	0.834	0.842
.0400	0.830	0.014	0.436	0.840	0.154	0.266	0.408	0.634	0.408	0.410	0.634	0.634	0.410	0.830	0.830	0.830	0.840	0.848
.0425	0.830	0.014	0.446	0.850	0.160	0.274	0.418	0.654	0.418	0.420	0.654	0.654	0.420	0.830	0.830	0.830	0.850	0.854
.0450	0.830	0.014	0.472	0.860	0.160	0.278	0.430	0.660	0.430	0.432	0.660	0.660	0.432	0.830	0.830	0.830	0.860	0.862
.0475	0.830	0.014	0.488	0.870	0.162	0.282	0.438	0.664	0.438	0.442	0.664	0.664	0.442	0.830	0.830	0.830	0.870	0.872
.0500	0.830	0.014	0.510	0.872	0.162	0.294	0.446	0.678	0.446	0.448	0.678	0.678	0.448	0.830	0.830	0.830	0.872	0.874
.0525	0.830	0.028	0.524	0.874	0.172	0.304	0.454	0.680	0.454	0.456	0.680	0.680	0.456	0.830	0.830	0.830	0.874	0.876
.0550	0.830	0.028	0.532	0.878	0.184	0.312	0.466	0.680	0.466	0.468	0.680	0.680	0.468	0.830	0.830	0.830	0.878	0.880
.0575	0.880	0.028	0.546	0.884	0.192	0.318	0.478	0.690	0.478	0.480	0.690	0.690	0.480	0.880	0.880	0.880	0.884	0.892
.0600	0.880	0.028	0.554	0.886	0.198	0.330	0.486	0.694	0.486	0.488	0.694	0.694	0.488	0.880	0.880	0.880	0.886	0.894
.0625	0.880	0.028	0.572	0.886	0.204	0.336	0.492	0.704	0.492	0.492	0.704	0.704	0.492	0.880	0.880	0.880	0.886	0.894
.0650	0.880	0.028	0.582	0.890	0.212	0.346	0.498	0.710	0.498	0.498	0.710	0.710	0.498	0.880	0.880	0.880	0.890	0.898
.0675	0.880	0.028	0.598	0.896	0.218	0.356	0.498	0.716	0.498	0.500	0.718	0.718	0.500	0.882	0.880	0.882	0.896	0.904
.0700	0.880	0.028	0.610	0.902	0.222	0.368	0.504	0.720	0.504	0.506	0.722	0.722	0.506	0.882	0.880	0.882	0.902	0.910
.0725	0.880	0.028	0.614	0.908	0.228	0.374	0.508	0.726	0.508	0.510	0.728	0.728	0.510	0.882	0.880	0.882	0.908	0.914
.0750	0.880	0.028	0.620	0.912	0.230	0.378	0.514	0.732	0.514	0.516	0.734	0.734	0.516	0.882	0.880	0.882	0.912	0.916
.0775	0.880	0.028	0.622	0.920	0.236	0.386	0.518	0.742	0.518	0.520	0.744	0.744	0.520	0.882	0.880	0.882	0.920	0.922
.0800	0.880	0.058	0.638	0.924	0.238	0.392	0.528	0.754	0.528	0.530	0.756	0.756	0.530	0.882	0.882	0.884	0.926	0.926
.0825	0.880	0.058	0.646	0.932	0.240	0.394	0.528	0.762	0.528	0.530	0.764	0.764	0.530	0.882	0.882	0.884	0.934	0.934
.0850	0.880	0.058	0.652	0.936	0.246	0.398	0.532	0.772	0.532	0.534	0.774	0.774	0.534	0.882	0.884	0.886	0.938	0.938
.0875	0.880	0.058	0.664	0.936	0.250	0.402	0.536	0.778	0.536	0.538	0.780	0.780	0.538	0.882	0.884	0.886	0.938	0.938
.0900	0.900	0.058	0.670	0.940	0.256	0.408	0.544	0.780	0.544	0.546	0.782	0.782	0.546	0.902	0.904	0.906	0.942	0.942
.0925	0.922	0.058	0.676	0.942	0.262	0.414	0.552	0.788	0.552	0.554	0.790	0.790	0.554	0.924	0.924	0.926	0.944	0.944
.0950	0.922	0.058	0.690	0.942	0.266	0.420	0.570	0.794	0.570	0.572	0.796	0.796	0.572	0.924	0.924	0.926	0.944	0.944
.0975	0.922	0.058	0.700	0.944	0.272	0.424	0.574	0.796	0.574	0.576	0.798	0.798	0.576	0.924	0.924	0.926	0.946	0.946
.1000	0.922	0.058	0.710	0.944	0.274	0.434	0.578	0.800	0.578	0.580	0.802	0.802	0.580	0.924	0.924	0.926	0.946	0.946

CONFIGURATION XIV NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	GDGW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.168	0.000	0.018	0.066	0.174	0.164	0.152	0.118	0.152	0.214	0.220	0.222	0.214	0.218	0.204	0.232	0.066	0.238
.0050	0.212	0.002	0.064	0.116	0.230	0.236	0.214	0.168	0.214	0.276	0.284	0.284	0.276	0.276	0.260	0.292	0.118	0.298
.0075	0.252	0.004	0.112	0.164	0.278	0.282	0.260	0.222	0.260	0.332	0.350	0.350	0.332	0.326	0.306	0.344	0.176	0.362
.0100	0.286	0.006	0.158	0.196	0.308	0.320	0.290	0.258	0.290	0.364	0.386	0.388	0.364	0.366	0.342	0.382	0.218	0.402
.0125	0.300	0.020	0.200	0.232	0.342	0.338	0.322	0.282	0.322	0.404	0.426	0.428	0.404	0.392	0.366	0.412	0.260	0.434
.0150	0.322	0.020	0.234	0.268	0.364	0.358	0.352	0.300	0.352	0.424	0.446	0.446	0.424	0.412	0.384	0.432	0.298	0.454
.0175	0.354	0.040	0.258	0.298	0.384	0.388	0.374	0.330	0.374	0.444	0.466	0.468	0.444	0.438	0.420	0.464	0.328	0.482
.0200	0.354	0.040	0.280	0.318	0.396	0.406	0.394	0.338	0.394	0.466	0.480	0.480	0.466	0.444	0.434	0.482	0.352	0.492
.0225	0.354	0.076	0.304	0.330	0.418	0.414	0.406	0.354	0.406	0.480	0.498	0.498	0.480	0.462	0.444	0.496	0.374	0.510
.0250	0.370	0.076	0.322	0.350	0.432	0.420	0.432	0.378	0.432	0.508	0.524	0.524	0.508	0.480	0.470	0.522	0.390	0.538
.0275	0.370	0.076	0.338	0.370	0.448	0.442	0.440	0.394	0.440	0.518	0.536	0.536	0.518	0.490	0.478	0.530	0.406	0.548
.0300	0.434	0.076	0.358	0.384	0.454	0.462	0.452	0.408	0.452	0.528	0.548	0.550	0.528	0.516	0.522	0.554	0.430	0.572
.0325	0.438	0.146	0.378	0.390	0.464	0.486	0.464	0.424	0.464	0.540	0.568	0.568	0.540	0.526	0.528	0.562	0.444	0.588
.0350	0.456	0.146	0.384	0.406	0.480	0.506	0.480	0.436	0.480	0.560	0.580	0.586	0.560	0.544	0.548	0.586	0.462	0.608
.0375	0.470	0.146	0.408	0.418	0.500	0.514	0.496	0.456	0.496	0.588	0.614	0.614	0.588	0.562	0.566	0.608	0.476	0.630
.0400	0.488	0.146	0.428	0.434	0.516	0.526	0.510	0.470	0.510	0.600	0.624	0.626	0.600	0.592	0.582	0.628	0.496	0.644
.0425	0.504	0.146	0.440	0.452	0.526	0.534	0.528	0.478	0.528	0.614	0.634	0.634	0.614	0.604	0.588	0.634	0.512	0.650
.0450	0.504	0.146	0.446	0.460	0.540	0.556	0.538	0.492	0.538	0.624	0.642	0.642	0.624	0.610	0.592	0.640	0.518	0.654
.0475	0.504	0.218	0.454	0.474	0.544	0.564	0.552	0.510	0.552	0.630	0.648	0.650	0.630	0.614	0.596	0.646	0.534	0.666
.0500	0.512	0.218	0.464	0.484	0.548	0.576	0.564	0.516	0.564	0.642	0.658	0.658	0.642	0.618	0.606	0.656	0.544	0.672
.0525	0.512	0.218	0.470	0.498	0.558	0.588	0.578	0.528	0.578	0.654	0.666	0.668	0.654	0.628	0.614	0.668	0.554	0.680
.0550	0.512	0.218	0.482	0.504	0.564	0.598	0.592	0.536	0.592	0.664	0.672	0.672	0.664	0.630	0.622	0.674	0.564	0.684
.0575	0.512	0.218	0.496	0.514	0.580	0.610	0.598	0.550	0.598	0.670	0.680	0.682	0.670	0.642	0.628	0.680	0.580	0.690
.0600	0.512	0.218	0.500	0.524	0.584	0.622	0.604	0.558	0.604	0.672	0.684	0.686	0.672	0.644	0.632	0.680	0.588	0.692
.0625	0.528	0.218	0.510	0.536	0.598	0.636	0.622	0.564	0.622	0.686	0.692	0.692	0.686	0.662	0.650	0.696	0.596	0.702
.0650	0.528	0.218	0.524	0.550	0.602	0.644	0.634	0.568	0.634	0.688	0.696	0.696	0.688	0.664	0.654	0.698	0.610	0.706
.0675	0.528	0.220	0.534	0.560	0.616	0.646	0.634	0.568	0.634	0.690	0.698	0.698	0.690	0.668	0.654	0.700	0.620	0.710
.0700	0.536	0.220	0.538	0.564	0.618	0.652	0.638	0.572	0.638	0.692	0.702	0.704	0.692	0.670	0.658	0.702	0.624	0.712
.0725	0.536	0.222	0.546	0.566	0.620	0.658	0.642	0.574	0.642	0.696	0.706	0.708	0.696	0.672	0.660	0.704	0.630	0.714
.0750	0.552	0.306	0.552	0.568	0.624	0.666	0.644	0.582	0.644	0.700	0.712	0.714	0.700	0.686	0.662	0.708	0.646	0.728
.0775	0.552	0.306	0.560	0.578	0.630	0.668	0.650	0.588	0.650	0.706	0.714	0.716	0.706	0.688	0.668	0.714	0.656	0.730
.0800	0.564	0.306	0.572	0.586	0.640	0.672	0.654	0.590	0.654	0.718	0.722	0.724	0.718	0.700	0.672	0.726	0.662	0.736
.0825	0.582	0.306	0.576	0.590	0.646	0.680	0.654	0.592	0.654	0.720	0.724	0.726	0.720	0.712	0.684	0.736	0.664	0.742
.0850	0.606	0.306	0.578	0.598	0.650	0.682	0.662	0.596	0.662	0.720	0.724	0.726	0.720	0.714	0.694	0.736	0.670	0.742
.0875	0.618	0.308	0.586	0.612	0.650	0.688	0.664	0.602	0.664	0.720	0.724	0.726	0.720	0.714	0.700	0.736	0.680	0.742
.0900	0.632	0.308	0.592	0.616	0.650	0.692	0.664	0.608	0.664	0.720	0.726	0.728	0.720	0.720	0.707	0.738	0.684	0.744
.0925	0.632	0.308	0.600	0.622	0.654	0.694	0.672	0.612	0.672	0.728	0.734	0.734	0.728	0.722	0.706	0.742	0.686	0.748
.0950	0.632	0.308	0.612	0.626	0.664	0.696	0.672	0.620	0.672	0.728	0.738	0.738	0.728	0.724	0.706	0.742	0.688	0.752
.0975	0.632	0.308	0.622	0.636	0.670	0.698	0.674	0.628	0.674	0.734	0.748	0.748	0.734	0.730	0.706	0.748	0.694	0.760
.1000	0.632	0.308	0.628	0.638	0.670	0.700	0.674	0.628	0.674	0.734	0.748	0.748	0.734	0.730	0.706	0.748	0.694	0.760

CONFIGURATION XIV NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.430	0.006	0.336	0.418	0.474	0.514	0.490	0.402	0.490	0.560	0.572	0.574	0.560	0.554	0.546	0.596	0.444	0.604
.0050	0.510	0.022	0.482	0.514	0.554	0.594	0.590	0.500	0.590	0.662	0.670	0.672	0.662	0.638	0.626	0.676	0.574	0.684
.0075	0.564	0.042	0.544	0.578	0.614	0.660	0.648	0.562	0.648	0.716	0.728	0.732	0.716	0.696	0.680	0.726	0.634	0.740
.0100	0.612	0.058	0.602	0.634	0.646	0.694	0.682	0.604	0.682	0.740	0.752	0.754	0.740	0.730	0.708	0.744	0.680	0.758
.0125	0.630	0.058	0.626	0.660	0.672	0.730	0.712	0.642	0.712	0.760	0.772	0.776	0.760	0.742	0.726	0.766	0.704	0.780
.0150	0.668	0.082	0.664	0.690	0.688	0.752	0.728	0.648	0.728	0.778	0.784	0.792	0.778	0.762	0.750	0.790	0.742	0.800
.0175	0.700	0.120	0.696	0.702	0.712	0.768	0.744	0.664	0.744	0.792	0.800	0.810	0.792	0.780	0.768	0.802	0.762	0.816
.0200	0.724	0.120	0.716	0.712	0.736	0.782	0.762	0.680	0.762	0.816	0.820	0.820	0.816	0.802	0.792	0.824	0.772	0.826
.0225	0.728	0.120	0.742	0.726	0.746	0.794	0.784	0.710	0.784	0.830	0.832	0.834	0.830	0.808	0.802	0.834	0.786	0.842
.0250	0.728	0.158	0.752	0.740	0.756	0.800	0.796	0.726	0.796	0.838	0.842	0.842	0.838	0.816	0.812	0.842	0.800	0.850
.0275	0.736	0.158	0.766	0.744	0.776	0.808	0.806	0.734	0.806	0.846	0.850	0.850	0.846	0.828	0.828	0.852	0.806	0.860
.0300	0.748	0.158	0.778	0.762	0.782	0.816	0.816	0.752	0.816	0.856	0.866	0.868	0.856	0.836	0.838	0.864	0.814	0.878
.0325	0.768	0.158	0.784	0.772	0.790	0.832	0.822	0.760	0.822	0.864	0.874	0.874	0.864	0.852	0.844	0.876	0.824	0.888
.0350	0.782	0.218	0.794	0.784	0.802	0.838	0.832	0.784	0.832	0.872	0.886	0.890	0.872	0.864	0.850	0.884	0.834	0.900
.0375	0.784	0.218	0.806	0.792	0.814	0.854	0.842	0.792	0.842	0.882	0.894	0.900	0.882	0.870	0.858	0.892	0.842	0.908
.0400	0.784	0.218	0.816	0.806	0.824	0.858	0.846	0.802	0.846	0.886	0.898	0.902	0.886	0.874	0.862	0.896	0.856	0.910
.0425	0.788	0.218	0.830	0.816	0.828	0.862	0.852	0.814	0.852	0.888	0.898	0.902	0.888	0.874	0.864	0.896	0.864	0.910
.0450	0.792	0.218	0.840	0.826	0.832	0.862	0.858	0.816	0.858	0.892	0.904	0.904	0.892	0.880	0.872	0.902	0.874	0.914
.0475	0.796	0.218	0.844	0.836	0.840	0.868	0.866	0.820	0.866	0.900	0.910	0.912	0.900	0.884	0.880	0.910	0.880	0.920
.0500	0.812	0.218	0.844	0.840	0.844	0.878	0.868	0.830	0.868	0.904	0.914	0.916	0.904	0.896	0.884	0.916	0.882	0.926
.0525	0.822	0.272	0.848	0.844	0.850	0.880	0.874	0.838	0.874	0.910	0.918	0.920	0.910	0.896	0.892	0.920	0.888	0.928
.0550	0.838	0.272	0.852	0.848	0.854	0.884	0.878	0.848	0.878	0.914	0.922	0.926	0.914	0.902	0.896	0.922	0.892	0.930
.0575	0.858	0.272	0.854	0.852	0.868	0.890	0.880	0.852	0.880	0.920	0.926	0.930	0.920	0.918	0.900	0.930	0.892	0.934
.0600	0.864	0.272	0.858	0.856	0.882	0.900	0.888	0.852	0.888	0.926	0.930	0.932	0.926	0.924	0.906	0.934	0.892	0.936
.0625	0.864	0.272	0.864	0.862	0.884	0.904	0.898	0.852	0.888	0.928	0.932	0.936	0.928	0.926	0.906	0.936	0.898	0.940
.0650	0.864	0.272	0.874	0.866	0.888	0.908	0.890	0.856	0.890	0.930	0.932	0.936	0.930	0.928	0.908	0.938	0.904	0.940
.0675	0.864	0.272	0.876	0.870	0.890	0.908	0.896	0.858	0.896	0.934	0.936	0.938	0.934	0.928	0.914	0.940	0.906	0.942
.0700	0.864	0.272	0.880	0.876	0.894	0.916	0.896	0.862	0.896	0.936	0.940	0.946	0.936	0.930	0.914	0.942	0.908	0.948
.0725	0.866	0.276	0.886	0.876	0.898	0.918	0.904	0.868	0.904	0.942	0.946	0.948	0.942	0.932	0.918	0.946	0.914	0.950
.0750	0.866	0.276	0.890	0.880	0.904	0.922	0.906	0.872	0.906	0.944	0.948	0.948	0.944	0.936	0.920	0.948	0.918	0.950
.0775	0.866	0.282	0.894	0.884	0.906	0.924	0.914	0.880	0.914	0.950	0.952	0.952	0.950	0.936	0.926	0.952	0.924	0.954
.0800	0.870	0.354	0.900	0.888	0.908	0.928	0.918	0.882	0.918	0.950	0.952	0.952	0.950	0.938	0.932	0.952	0.934	0.956
.0825	0.874	0.354	0.902	0.888	0.912	0.932	0.918	0.886	0.918	0.952	0.954	0.954	0.952	0.940	0.932	0.954	0.934	0.956
.0850	0.878	0.354	0.902	0.888	0.916	0.934	0.926	0.894	0.926	0.956	0.960	0.960	0.956	0.944	0.938	0.958	0.934	0.962
.0875	0.878	0.354	0.908	0.892	0.920	0.936	0.926	0.894	0.926	0.958	0.962	0.964	0.958	0.948	0.938	0.960	0.934	0.964
.0900	0.894	0.356	0.910	0.892	0.922	0.938	0.926	0.900	0.926	0.958	0.962	0.964	0.958	0.952	0.940	0.962	0.934	0.966
.0925	0.898	0.356	0.912	0.894	0.924	0.938	0.928	0.900	0.928	0.962	0.964	0.966	0.962	0.954	0.942	0.966	0.938	0.968
.0950	0.898	0.358	0.914	0.902	0.924	0.946	0.932	0.902	0.932	0.964	0.966	0.968	0.964	0.954	0.944	0.966	0.946	0.968
.0975	0.898	0.358	0.918	0.906	0.926	0.950	0.936	0.904	0.936	0.966	0.968	0.968	0.966	0.954	0.946	0.966	0.950	0.968
.1000	0.898	0.360	0.918	0.906	0.932	0.950	0.936	0.906	0.936	0.968	0.970	0.970	0.968	0.956	0.946	0.968	0.950	0.970

CONFIGURATION XV NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.126	0.000	0.018	0.062	0.112	0.120	0.112	0.110	0.112	0.142	0.154	0.156	0.142	0.148	0.148	0.162	0.062	0.170
.0050	0.180	0.002	0.048	0.102	0.154	0.168	0.162	0.148	0.162	0.200	0.212	0.214	0.200	0.214	0.208	0.226	0.104	0.234
.0075	0.202	0.012	0.094	0.132	0.182	0.196	0.206	0.178	0.206	0.238	0.254	0.256	0.238	0.242	0.246	0.262	0.138	0.276
.0100	0.224	0.014	0.114	0.164	0.206	0.222	0.234	0.204	0.234	0.272	0.284	0.286	0.272	0.272	0.278	0.300	0.172	0.312
.0125	0.238	0.020	0.138	0.190	0.230	0.256	0.272	0.242	0.272	0.306	0.320	0.322	0.306	0.292	0.310	0.334	0.200	0.350
.0150	0.262	0.020	0.150	0.208	0.244	0.278	0.292	0.268	0.292	0.326	0.340	0.340	0.326	0.318	0.330	0.352	0.222	0.364
.0175	0.298	0.032	0.162	0.224	0.268	0.298	0.308	0.288	0.308	0.352	0.368	0.370	0.352	0.352	0.362	0.388	0.240	0.398
.0200	0.298	0.032	0.180	0.252	0.282	0.322	0.328	0.300	0.328	0.366	0.386	0.388	0.366	0.362	0.380	0.402	0.272	0.414
.0225	0.298	0.054	0.210	0.276	0.306	0.348	0.344	0.320	0.344	0.394	0.416	0.416	0.394	0.378	0.390	0.422	0.298	0.434
.0250	0.322	0.054	0.220	0.292	0.318	0.360	0.360	0.346	0.360	0.404	0.432	0.432	0.404	0.394	0.410	0.438	0.310	0.458
.0275	0.322	0.054	0.234	0.302	0.330	0.374	0.370	0.366	0.370	0.418	0.450	0.452	0.418	0.404	0.416	0.450	0.324	0.472
.0300	0.364	0.054	0.256	0.326	0.338	0.376	0.394	0.376	0.394	0.438	0.464	0.466	0.438	0.424	0.450	0.470	0.350	0.488
.0325	0.378	0.086	0.264	0.352	0.340	0.394	0.404	0.390	0.404	0.448	0.480	0.486	0.448	0.438	0.460	0.478	0.380	0.498
.0350	0.392	0.086	0.282	0.366	0.354	0.410	0.416	0.400	0.416	0.462	0.492	0.492	0.462	0.458	0.468	0.492	0.398	0.508
.0375	0.410	0.086	0.298	0.384	0.372	0.416	0.422	0.410	0.422	0.472	0.504	0.504	0.472	0.472	0.480	0.504	0.412	0.520
.0400	0.422	0.086	0.314	0.390	0.388	0.430	0.432	0.426	0.432	0.488	0.524	0.524	0.488	0.492	0.492	0.522	0.414	0.538
.0425	0.434	0.086	0.340	0.402	0.398	0.442	0.440	0.432	0.440	0.494	0.534	0.534	0.494	0.504	0.498	0.530	0.428	0.546
.0450	0.434	0.086	0.352	0.414	0.416	0.456	0.460	0.454	0.460	0.520	0.554	0.554	0.520	0.514	0.506	0.544	0.438	0.564
.0475	0.434	0.128	0.354	0.424	0.428	0.464	0.466	0.470	0.466	0.528	0.564	0.564	0.528	0.522	0.510	0.550	0.456	0.576
.0500	0.444	0.128	0.360	0.432	0.440	0.470	0.488	0.470	0.488	0.542	0.568	0.568	0.542	0.530	0.532	0.562	0.462	0.582
.0525	0.444	0.128	0.380	0.440	0.450	0.480	0.498	0.480	0.498	0.554	0.580	0.580	0.554	0.536	0.542	0.574	0.470	0.592
.0550	0.444	0.128	0.390	0.446	0.454	0.492	0.512	0.492	0.512	0.568	0.590	0.590	0.568	0.538	0.552	0.584	0.478	0.600
.0575	0.444	0.128	0.396	0.450	0.460	0.506	0.522	0.502	0.522	0.576	0.604	0.606	0.576	0.542	0.558	0.592	0.482	0.616
.0600	0.444	0.128	0.404	0.462	0.472	0.512	0.526	0.516	0.526	0.584	0.616	0.616	0.584	0.546	0.562	0.600	0.496	0.626
.0625	0.462	0.130	0.416	0.472	0.484	0.520	0.534	0.528	0.534	0.598	0.632	0.632	0.598	0.566	0.576	0.618	0.510	0.646
.0650	0.462	0.130	0.422	0.474	0.490	0.528	0.548	0.540	0.548	0.610	0.642	0.642	0.610	0.570	0.582	0.622	0.514	0.652
.0675	0.462	0.130	0.440	0.484	0.496	0.528	0.560	0.546	0.560	0.618	0.652	0.652	0.618	0.572	0.588	0.628	0.530	0.660
.0700	0.474	0.130	0.448	0.494	0.500	0.546	0.564	0.548	0.564	0.624	0.654	0.654	0.624	0.582	0.596	0.638	0.536	0.666
.0725	0.474	0.130	0.456	0.494	0.510	0.554	0.576	0.552	0.576	0.632	0.660	0.662	0.632	0.588	0.602	0.642	0.540	0.674
.0750	0.494	0.194	0.462	0.500	0.514	0.564	0.578	0.558	0.578	0.638	0.666	0.670	0.638	0.594	0.608	0.648	0.560	0.686
.0775	0.494	0.196	0.470	0.506	0.516	0.578	0.586	0.568	0.586	0.644	0.672	0.674	0.644	0.594	0.616	0.654	0.570	0.690
.0800	0.500	0.196	0.474	0.514	0.524	0.588	0.598	0.574	0.598	0.650	0.676	0.676	0.650	0.600	0.626	0.660	0.576	0.692
.0825	0.512	0.196	0.484	0.528	0.532	0.590	0.598	0.578	0.598	0.654	0.682	0.682	0.654	0.610	0.626	0.662	0.592	0.694
.0850	0.524	0.196	0.488	0.538	0.536	0.602	0.608	0.584	0.608	0.660	0.694	0.696	0.660	0.620	0.634	0.670	0.600	0.708
.0875	0.552	0.196	0.490	0.544	0.536	0.612	0.610	0.590	0.610	0.662	0.696	0.700	0.662	0.634	0.646	0.680	0.604	0.712
.0900	0.570	0.196	0.506	0.552	0.544	0.620	0.614	0.592	0.614	0.664	0.698	0.702	0.664	0.648	0.648	0.682	0.608	0.712
.0925	0.572	0.196	0.508	0.564	0.548	0.630	0.634	0.596	0.634	0.678	0.710	0.712	0.678	0.652	0.662	0.694	0.620	0.722
.0950	0.572	0.196	0.518	0.570	0.550	0.634	0.634	0.606	0.634	0.678	0.716	0.718	0.678	0.652	0.662	0.694	0.626	0.728
.0975	0.572	0.196	0.528	0.582	0.558	0.634	0.644	0.610	0.644	0.686	0.720	0.722	0.686	0.654	0.670	0.702	0.634	0.732
.1000	0.572	0.196	0.546	0.582	0.570	0.646	0.644	0.614	0.644	0.688	0.724	0.726	0.688	0.662	0.670	0.704	0.640	0.736

CONFIGURATION XV NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.344	0.004	0.242	0.358	0.344	0.427	0.412	0.376	0.412	0.460	0.490	0.496	0.460	0.434	0.460	0.484	0.374	0.514
.0050	0.430	0.010	0.358	0.434	0.436	0.492	0.530	0.480	0.530	0.566	0.604	0.608	0.566	0.528	0.564	0.590	0.476	0.622
.0075	0.484	0.018	0.418	0.536	0.484	0.564	0.598	0.544	0.598	0.636	0.664	0.664	0.636	0.578	0.632	0.662	0.562	0.680
.0100	0.536	0.028	0.464	0.580	0.534	0.616	0.624	0.598	0.624	0.676	0.708	0.716	0.676	0.642	0.664	0.708	0.604	0.734
.0125	0.560	0.028	0.512	0.614	0.566	0.648	0.664	0.628	0.664	0.718	0.748	0.750	0.718	0.680	0.692	0.740	0.650	0.770
.0150	0.592	0.040	0.550	0.650	0.582	0.682	0.688	0.648	0.688	0.734	0.762	0.766	0.734	0.704	0.718	0.756	0.688	0.784
.0175	0.614	0.064	0.572	0.670	0.602	0.700	0.710	0.668	0.710	0.754	0.778	0.782	0.754	0.720	0.740	0.774	0.712	0.798
.0200	0.658	0.064	0.610	0.692	0.624	0.714	0.726	0.694	0.726	0.770	0.794	0.796	0.770	0.756	0.764	0.794	0.738	0.810
.0225	0.662	0.064	0.644	0.702	0.642	0.726	0.738	0.720	0.738	0.778	0.808	0.810	0.778	0.766	0.772	0.800	0.754	0.824
.0250	0.666	0.086	0.682	0.730	0.660	0.740	0.756	0.734	0.756	0.790	0.822	0.822	0.790	0.770	0.782	0.808	0.778	0.834
.0275	0.684	0.086	0.692	0.738	0.676	0.758	0.762	0.748	0.762	0.800	0.834	0.838	0.800	0.784	0.790	0.822	0.788	0.850
.0300	0.698	0.086	0.704	0.760	0.690	0.780	0.776	0.756	0.776	0.814	0.844	0.846	0.814	0.794	0.808	0.836	0.806	0.862
.0325	0.728	0.086	0.710	0.768	0.700	0.786	0.790	0.762	0.790	0.824	0.848	0.848	0.824	0.814	0.822	0.848	0.808	0.866
.0350	0.746	0.126	0.724	0.782	0.716	0.804	0.804	0.776	0.804	0.834	0.856	0.860	0.834	0.828	0.830	0.852	0.820	0.872
.0375	0.748	0.126	0.730	0.790	0.720	0.810	0.812	0.784	0.812	0.840	0.864	0.866	0.840	0.830	0.838	0.858	0.824	0.876
.0400	0.748	0.126	0.734	0.798	0.726	0.818	0.838	0.792	0.838	0.856	0.870	0.874	0.856	0.830	0.858	0.872	0.828	0.880
.0425	0.752	0.126	0.746	0.804	0.736	0.824	0.846	0.802	0.846	0.862	0.874	0.878	0.862	0.834	0.862	0.874	0.836	0.880
.0450	0.754	0.126	0.768	0.810	0.744	0.826	0.856	0.808	0.856	0.874	0.882	0.882	0.874	0.836	0.870	0.882	0.844	0.886
.0475	0.762	0.126	0.776	0.816	0.748	0.832	0.860	0.814	0.860	0.876	0.884	0.884	0.876	0.838	0.874	0.884	0.850	0.890
.0500	0.778	0.126	0.784	0.826	0.754	0.834	0.864	0.828	0.864	0.878	0.888	0.888	0.878	0.850	0.876	0.888	0.858	0.896
.0525	0.790	0.172	0.790	0.834	0.764	0.844	0.866	0.836	0.866	0.882	0.892	0.894	0.882	0.862	0.882	0.894	0.864	0.906
.0550	0.806	0.172	0.798	0.838	0.772	0.850	0.870	0.842	0.870	0.884	0.894	0.896	0.884	0.874	0.886	0.898	0.872	0.908
.0575	0.832	0.172	0.804	0.846	0.780	0.860	0.872	0.846	0.872	0.886	0.898	0.902	0.886	0.884	0.890	0.902	0.878	0.914
.0600	0.832	0.172	0.818	0.850	0.790	0.866	0.876	0.858	0.876	0.892	0.908	0.912	0.892	0.888	0.894	0.906	0.882	0.922
.0625	0.832	0.172	0.828	0.856	0.796	0.868	0.882	0.858	0.882	0.898	0.914	0.920	0.898	0.892	0.900	0.912	0.888	0.926
.0650	0.832	0.172	0.832	0.858	0.800	0.870	0.886	0.866	0.886	0.902	0.918	0.922	0.902	0.892	0.904	0.916	0.890	0.928
.0675	0.832	0.176	0.842	0.864	0.808	0.876	0.894	0.868	0.894	0.910	0.926	0.928	0.910	0.894	0.910	0.922	0.896	0.934
.0700	0.832	0.176	0.844	0.864	0.812	0.886	0.906	0.876	0.906	0.920	0.930	0.930	0.920	0.894	0.918	0.928	0.896	0.936
.0725	0.836	0.180	0.846	0.872	0.820	0.886	0.910	0.876	0.910	0.924	0.932	0.932	0.924	0.896	0.920	0.932	0.898	0.938
.0750	0.840	0.180	0.848	0.878	0.820	0.896	0.910	0.876	0.910	0.924	0.932	0.932	0.924	0.896	0.920	0.932	0.904	0.938
.0775	0.846	0.182	0.852	0.880	0.822	0.898	0.910	0.882	0.910	0.924	0.932	0.932	0.924	0.898	0.920	0.932	0.906	0.938
.0800	0.852	0.260	0.858	0.886	0.826	0.900	0.914	0.886	0.914	0.926	0.936	0.936	0.926	0.904	0.922	0.932	0.914	0.942
.0825	0.858	0.262	0.862	0.888	0.828	0.904	0.916	0.892	0.916	0.928	0.938	0.938	0.928	0.906	0.926	0.936	0.914	0.944
.0850	0.862	0.262	0.868	0.894	0.832	0.910	0.918	0.894	0.918	0.930	0.942	0.942	0.930	0.910	0.928	0.938	0.916	0.946
.0875	0.872	0.262	0.870	0.896	0.838	0.912	0.920	0.896	0.920	0.932	0.944	0.944	0.932	0.916	0.930	0.940	0.918	0.948
.0900	0.890	0.266	0.876	0.898	0.838	0.912	0.924	0.900	0.924	0.934	0.948	0.948	0.934	0.928	0.934	0.942	0.922	0.952
.0925	0.892	0.268	0.878	0.906	0.842	0.912	0.928	0.902	0.928	0.938	0.950	0.950	0.938	0.930	0.940	0.948	0.928	0.954
.0950	0.892	0.270	0.880	0.908	0.844	0.914	0.930	0.906	0.930	0.940	0.950	0.950	0.940	0.930	0.942	0.950	0.930	0.954
.0975	0.892	0.270	0.880	0.912	0.844	0.920	0.934	0.910	0.934	0.942	0.950	0.950	0.942	0.930	0.944	0.950	0.932	0.956
.1000	0.894	0.270	0.888	0.912	0.844	0.920	0.934	0.912	0.934	0.942	0.952	0.952	0.942	0.930	0.944	0.950	0.932	0.956

CONFIGURATION XVI NS = 500 N1=N2=20 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	ALL
.0025	0.102	0.000	0.004	0.028	0.074	0.082	0.090	0.090	0.090	0.106	0.120	0.120	0.106	0.120	0.122	0.132	0.028	0.144
.0050	0.132	0.000	0.024	0.082	0.094	0.122	0.134	0.134	0.134	0.152	0.176	0.178	0.152	0.158	0.168	0.176	0.082	0.190
.0075	0.166	0.000	0.050	0.106	0.120	0.152	0.170	0.162	0.170	0.186	0.216	0.218	0.186	0.196	0.198	0.208	0.108	0.232
.0100	0.176	0.000	0.072	0.130	0.148	0.186	0.202	0.206	0.202	0.222	0.254	0.256	0.222	0.220	0.232	0.246	0.132	0.272
.0125	0.184	0.000	0.082	0.158	0.164	0.198	0.222	0.226	0.222	0.250	0.274	0.274	0.250	0.230	0.248	0.266	0.162	0.288
.0150	0.206	0.000	0.096	0.176	0.182	0.224	0.242	0.240	0.242	0.270	0.288	0.290	0.270	0.254	0.272	0.292	0.180	0.310
.0175	0.242	0.004	0.114	0.194	0.208	0.238	0.258	0.254	0.258	0.292	0.314	0.316	0.292	0.294	0.290	0.320	0.204	0.338
.0200	0.242	0.004	0.138	0.224	0.232	0.266	0.284	0.284	0.284	0.318	0.344	0.346	0.318	0.310	0.306	0.336	0.234	0.360
.0225	0.242	0.016	0.156	0.234	0.246	0.284	0.294	0.296	0.294	0.334	0.360	0.362	0.334	0.320	0.312	0.346	0.250	0.370
.0250	0.262	0.016	0.176	0.252	0.264	0.298	0.324	0.306	0.324	0.356	0.384	0.384	0.356	0.344	0.350	0.374	0.272	0.400
.0275	0.262	0.016	0.186	0.264	0.276	0.304	0.328	0.330	0.328	0.364	0.400	0.400	0.364	0.352	0.354	0.382	0.284	0.416
.0300	0.278	0.016	0.204	0.278	0.284	0.322	0.346	0.348	0.346	0.376	0.412	0.412	0.376	0.362	0.376	0.394	0.298	0.426
.0325	0.290	0.030	0.212	0.290	0.294	0.338	0.360	0.358	0.360	0.390	0.422	0.422	0.390	0.374	0.386	0.404	0.308	0.432
.0350	0.296	0.030	0.222	0.294	0.296	0.346	0.372	0.376	0.372	0.400	0.432	0.432	0.400	0.380	0.392	0.410	0.316	0.442
.0375	0.308	0.030	0.236	0.308	0.300	0.356	0.382	0.384	0.382	0.406	0.436	0.438	0.406	0.382	0.402	0.418	0.334	0.448
.0400	0.324	0.030	0.250	0.324	0.308	0.370	0.388	0.398	0.388	0.414	0.450	0.452	0.414	0.398	0.414	0.432	0.350	0.464
.0425	0.346	0.030	0.260	0.344	0.318	0.376	0.392	0.406	0.392	0.422	0.458	0.460	0.422	0.420	0.428	0.450	0.362	0.476
.0450	0.346	0.030	0.268	0.348	0.326	0.382	0.392	0.410	0.392	0.424	0.464	0.466	0.424	0.424	0.428	0.452	0.368	0.482
.0475	0.346	0.080	0.276	0.360	0.328	0.392	0.398	0.418	0.398	0.430	0.470	0.474	0.430	0.426	0.434	0.458	0.388	0.488
.0500	0.354	0.080	0.284	0.366	0.336	0.402	0.416	0.426	0.416	0.446	0.486	0.488	0.446	0.430	0.446	0.468	0.392	0.500
.0525	0.354	0.080	0.306	0.376	0.354	0.410	0.426	0.432	0.426	0.462	0.498	0.500	0.462	0.440	0.454	0.482	0.404	0.512
.0550	0.354	0.080	0.324	0.388	0.362	0.418	0.434	0.444	0.434	0.470	0.506	0.508	0.470	0.444	0.460	0.488	0.418	0.518
.0575	0.354	0.080	0.328	0.396	0.372	0.422	0.438	0.448	0.438	0.472	0.512	0.512	0.472	0.446	0.464	0.490	0.424	0.522
.0600	0.354	0.080	0.340	0.410	0.374	0.426	0.440	0.456	0.440	0.472	0.516	0.516	0.472	0.448	0.466	0.490	0.438	0.526
.0625	0.368	0.080	0.352	0.422	0.378	0.432	0.450	0.462	0.450	0.480	0.526	0.528	0.480	0.456	0.476	0.498	0.452	0.538
.0650	0.368	0.080	0.358	0.428	0.388	0.438	0.460	0.464	0.460	0.492	0.534	0.536	0.492	0.464	0.484	0.510	0.456	0.546
.0675	0.368	0.080	0.366	0.438	0.404	0.440	0.462	0.474	0.462	0.502	0.550	0.550	0.502	0.472	0.486	0.518	0.470	0.558
.0700	0.378	0.080	0.378	0.446	0.410	0.448	0.466	0.488	0.466	0.508	0.556	0.558	0.508	0.480	0.490	0.524	0.480	0.570
.0725	0.378	0.080	0.380	0.456	0.414	0.460	0.478	0.492	0.478	0.518	0.562	0.562	0.518	0.484	0.502	0.534	0.486	0.574
.0750	0.388	0.154	0.386	0.460	0.418	0.470	0.490	0.500	0.490	0.530	0.570	0.570	0.530	0.494	0.514	0.548	0.502	0.598
.0775	0.388	0.154	0.390	0.472	0.426	0.474	0.492	0.510	0.492	0.538	0.582	0.582	0.538	0.500	0.516	0.556	0.510	0.610
.0800	0.398	0.154	0.394	0.484	0.432	0.488	0.502	0.520	0.502	0.548	0.592	0.592	0.548	0.508	0.524	0.566	0.518	0.622
.0825	0.408	0.154	0.400	0.492	0.436	0.494	0.502	0.528	0.502	0.552	0.602	0.604	0.552	0.520	0.528	0.574	0.526	0.632
.0850	0.430	0.154	0.410	0.496	0.440	0.498	0.516	0.534	0.516	0.562	0.612	0.612	0.562	0.538	0.538	0.582	0.532	0.636
.0875	0.444	0.154	0.412	0.504	0.444	0.504	0.520	0.540	0.520	0.566	0.618	0.620	0.566	0.544	0.548	0.590	0.540	0.644
.0900	0.478	0.154	0.420	0.508	0.452	0.508	0.526	0.544	0.526	0.570	0.622	0.624	0.570	0.572	0.568	0.608	0.546	0.650
.0925	0.484	0.154	0.428	0.518	0.458	0.512	0.538	0.550	0.538	0.578	0.628	0.628	0.578	0.576	0.576	0.614	0.558	0.652
.0950	0.484	0.154	0.428	0.518	0.464	0.518	0.540	0.552	0.540	0.582	0.628	0.628	0.582	0.580	0.576	0.616	0.558	0.652
.0975	0.484	0.156	0.430	0.522	0.476	0.522	0.560	0.558	0.560	0.598	0.644	0.644	0.598	0.588	0.596	0.632	0.562	0.666
.1000	0.484	0.156	0.432	0.528	0.482	0.532	0.560	0.568	0.560	0.600	0.650	0.650	0.600	0.590	0.596	0.634	0.568	0.672

CONFIGURATION XVI NS = 500 N1=N2=50 POWER OF PROCEDURES REQUESTED:09/29/80

	GS	K0	K1	K2	G0	G1/2	G1	G2	GW	G0G1	G0G1G2	ALL-G	G0GW	GSG0	GSG1	GSG0G1	K0K1K2	A
.0025	0.232	0.000	0.120	0.256	0.172	0.240	0.268	0.308	0.268	0.286	0.354	0.354	0.286	0.278	0.300	0.314	0.266	0.3
.0050	0.306	0.002	0.194	0.320	0.218	0.316	0.360	0.400	0.360	0.380	0.456	0.456	0.380	0.360	0.414	0.430	0.332	0.4
.0075	0.354	0.006	0.244	0.404	0.252	0.356	0.430	0.460	0.430	0.442	0.502	0.504	0.442	0.406	0.474	0.482	0.424	0.5
.0100	0.384	0.008	0.282	0.458	0.294	0.406	0.470	0.516	0.470	0.488	0.562	0.564	0.488	0.458	0.508	0.522	0.472	0.5
.0125	0.422	0.008	0.320	0.490	0.324	0.444	0.518	0.534	0.518	0.534	0.582	0.582	0.534	0.490	0.544	0.558	0.498	0.5
.0150	0.438	0.014	0.338	0.510	0.342	0.462	0.534	0.560	0.534	0.548	0.602	0.602	0.548	0.500	0.558	0.570	0.522	0.6
.0175	0.468	0.024	0.354	0.530	0.364	0.488	0.562	0.588	0.562	0.576	0.628	0.628	0.576	0.532	0.588	0.602	0.542	0.6
.0200	0.510	0.024	0.388	0.552	0.380	0.508	0.578	0.610	0.578	0.592	0.650	0.652	0.592	0.570	0.616	0.630	0.568	0.6
.0225	0.510	0.024	0.414	0.576	0.402	0.544	0.602	0.622	0.602	0.618	0.662	0.666	0.618	0.578	0.630	0.646	0.590	0.6
.0250	0.516	0.032	0.426	0.598	0.414	0.558	0.622	0.636	0.622	0.630	0.674	0.678	0.630	0.586	0.650	0.658	0.610	0.6
.0275	0.528	0.032	0.452	0.610	0.438	0.570	0.634	0.662	0.634	0.642	0.698	0.700	0.642	0.604	0.658	0.666	0.626	0.7
.0300	0.534	0.032	0.478	0.640	0.448	0.586	0.644	0.670	0.644	0.654	0.706	0.712	0.654	0.610	0.664	0.674	0.652	0.7
.0325	0.566	0.032	0.492	0.656	0.462	0.592	0.668	0.682	0.668	0.678	0.716	0.720	0.678	0.630	0.692	0.702	0.666	0.7
.0350	0.626	0.058	0.510	0.662	0.480	0.610	0.676	0.692	0.676	0.688	0.724	0.726	0.688	0.684	0.714	0.726	0.678	0.7
.0375	0.628	0.058	0.518	0.674	0.488	0.632	0.686	0.702	0.686	0.696	0.732	0.734	0.696	0.688	0.724	0.734	0.688	0.7
.0400	0.628	0.058	0.532	0.684	0.500	0.636	0.694	0.714	0.694	0.706	0.750	0.752	0.706	0.690	0.726	0.738	0.700	0.7
.0425	0.628	0.058	0.548	0.694	0.504	0.642	0.704	0.726	0.704	0.716	0.762	0.762	0.716	0.692	0.732	0.744	0.710	0.7
.0450	0.632	0.058	0.562	0.700	0.514	0.648	0.710	0.732	0.710	0.726	0.768	0.768	0.726	0.702	0.738	0.754	0.718	0.7
.0475	0.634	0.058	0.574	0.710	0.524	0.654	0.714	0.738	0.714	0.730	0.770	0.770	0.730	0.706	0.738	0.754	0.730	0.7
.0500	0.644	0.058	0.584	0.718	0.534	0.662	0.722	0.742	0.722	0.740	0.780	0.780	0.740	0.716	0.746	0.764	0.734	0.7
.0525	0.654	0.088	0.592	0.728	0.548	0.674	0.726	0.754	0.726	0.746	0.790	0.790	0.746	0.726	0.752	0.772	0.744	0.8
.0550	0.670	0.088	0.610	0.734	0.556	0.692	0.740	0.760	0.740	0.756	0.796	0.796	0.756	0.738	0.768	0.784	0.752	0.8
.0575	0.698	0.088	0.624	0.738	0.572	0.696	0.750	0.766	0.750	0.768	0.802	0.804	0.768	0.756	0.782	0.800	0.756	0.8
.0600	0.698	0.088	0.632	0.742	0.580	0.702	0.756	0.776	0.756	0.776	0.812	0.812	0.776	0.758	0.786	0.806	0.760	0.8
.0625	0.698	0.088	0.652	0.750	0.586	0.710	0.762	0.782	0.762	0.780	0.818	0.818	0.780	0.762	0.792	0.810	0.764	0.8
.0650	0.698	0.088	0.660	0.756	0.592	0.718	0.764	0.790	0.764	0.782	0.822	0.824	0.782	0.764	0.792	0.810	0.768	0.8
.0675	0.700	0.088	0.668	0.768	0.596	0.726	0.772	0.798	0.772	0.788	0.828	0.830	0.788	0.766	0.798	0.814	0.782	0.8
.0700	0.700	0.088	0.676	0.776	0.606	0.736	0.782	0.804	0.782	0.798	0.832	0.832	0.798	0.766	0.806	0.822	0.790	0.8
.0725	0.700	0.088	0.684	0.778	0.612	0.738	0.786	0.804	0.786	0.802	0.832	0.834	0.802	0.768	0.806	0.822	0.794	0.8
.0750	0.700	0.088	0.686	0.784	0.622	0.746	0.788	0.810	0.788	0.804	0.836	0.838	0.804	0.772	0.808	0.824	0.800	0.8
.0775	0.702	0.090	0.692	0.790	0.630	0.754	0.788	0.816	0.788	0.806	0.844	0.848	0.806	0.776	0.808	0.826	0.806	0.8
.0800	0.708	0.142	0.698	0.794	0.632	0.756	0.796	0.818	0.796	0.812	0.848	0.850	0.812	0.778	0.816	0.832	0.818	0.8
.0825	0.714	0.144	0.706	0.800	0.638	0.760	0.798	0.828	0.798	0.814	0.858	0.860	0.814	0.786	0.816	0.832	0.826	0.8
.0850	0.724	0.144	0.712	0.806	0.640	0.770	0.802	0.828	0.802	0.818	0.858	0.860	0.818	0.790	0.818	0.834	0.830	0.8
.0875	0.738	0.144	0.718	0.808	0.650	0.772	0.804	0.834	0.804	0.824	0.864	0.864	0.824	0.804	0.822	0.842	0.832	0.8
.0900	0.774	0.146	0.722	0.812	0.654	0.774	0.808	0.838	0.808	0.826	0.870	0.870	0.826	0.826	0.834	0.852	0.838	0.8
.0925	0.782	0.146	0.730	0.812	0.658	0.780	0.816	0.846	0.816	0.832	0.876	0.878	0.832	0.828	0.842	0.858	0.840	0.8
.0950	0.782	0.146	0.742	0.812	0.666	0.782	0.822	0.848	0.822	0.840	0.882	0.882	0.840	0.830	0.844	0.862	0.844	0.8
.0975	0.782	0.146	0.746	0.820	0.672	0.786	0.824	0.848	0.824	0.842	0.882	0.882	0.842	0.830	0.844	0.862	0.850	0.8
.1000	0.782	0.146	0.756	0.824	0.676	0.786	0.828	0.852	0.828	0.846	0.882	0.882	0.846	0.832	0.844	0.862	0.856	0.8

NS = 1000 SIZE OF COX_F IN UNCENSORED DATA

CONFIGURATION N1=N2=	I(A) 20	I(A) 50	I(B) 20	I(B) 50
.0025	.005	.000	.083	.096
.0050	.008	.002	.106	.115
.0075	.010	.005	.114	.124
.0100	.015	.006	.125	.131
.0125	.016	.011	.131	.144
.0150	.019	.015	.138	.155
.0175	.021	.016	.142	.163
.0200	.024	.017	.156	.172
.0225	.029	.020	.162	.176
.0250	.036	.023	.165	.181
.0275	.036	.026	.171	.189
.0300	.036	.026	.181	.193
.0325	.037	.030	.183	.196
.0350	.039	.032	.190	.199
.0375	.042	.035	.196	.204
.0400	.043	.037	.199	.205
.0425	.045	.038	.202	.208
.0450	.046	.040	.207	.211
.0475	.050	.041	.211	.213
.0500	.050	.044	.213	.215
.0525	.053	.052	.216	.217
.0550	.056	.055	.222	.217
.0575	.056	.058	.224	.220
.0600	.058	.060	.229	.221
.0625	.059	.066	.230	.225
.0650	.062	.067	.234	.229
.0675	.064	.070	.236	.234
.0700	.070	.072	.239	.237
.0725	.072	.073	.243	.238
.0750	.072	.076	.244	.241
.0775	.077	.076	.247	.241
.0800	.081	.078	.249	.246
.0825	.083	.082	.249	.250
.0850	.084	.083	.251	.252
.0875	.092	.085	.252	.253
.0900	.095	.086	.256	.257
.0925	.100	.089	.257	.257
.0950	.100	.093	.259	.260
.0975	.101	.095	.260	.261
.1000	.102	.097	.262	.263

NS = 500 SIZE OF COX_F IN CENSORED DATA

CONFIGURATION	II		III		IV		V		VI		VII		VIII		IX	
N1=N2=	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50
.0025	.000	.002	.000	.000	.002	.000	.002	.002	.000	.004	.002	.002	.006	.002	.022	.004
.0050	.002	.008	.006	.004	.002	.002	.004	.004	.002	.006	.006	.006	.010	.006	.022	.008
.0075	.004	.012	.008	.008	.004	.004	.006	.008	.004	.008	.008	.008	.014	.010	.026	.008
.0100	.006	.016	.008	.010	.012	.006	.010	.008	.012	.010	.018	.012	.014	.012	.030	.020
.0125	.006	.016	.010	.022	.014	.010	.012	.008	.014	.014	.030	.016	.016	.016	.030	.020
.0150	.008	.024	.012	.024	.018	.012	.014	.016	.020	.018	.038	.018	.016	.016	.036	.022
.0175	.010	.026	.016	.026	.018	.016	.014	.016	.026	.020	.044	.020	.018	.018	.036	.022
.0200	.012	.028	.020	.032	.024	.020	.018	.020	.032	.024	.050	.022	.022	.022	.040	.024
.0225	.016	.034	.022	.032	.024	.022	.020	.024	.036	.026	.056	.024	.026	.024	.050	.024
.0250	.020	.036	.024	.038	.024	.022	.024	.024	.042	.026	.056	.030	.034	.024	.052	.026
.0275	.020	.038	.024	.040	.024	.026	.024	.026	.044	.026	.060	.032	.036	.024	.054	.026
.0300	.024	.040	.030	.046	.028	.030	.028	.030	.048	.030	.062	.036	.038	.024	.056	.028
.0325	.024	.044	.030	.050	.032	.036	.030	.030	.048	.032	.062	.040	.044	.030	.056	.030
.0350	.028	.046	.034	.054	.036	.038	.032	.036	.050	.034	.064	.040	.048	.030	.058	.034
.0375	.030	.048	.038	.056	.040	.038	.034	.038	.052	.036	.066	.040	.050	.032	.062	.036
.0400	.032	.050	.040	.062	.042	.038	.042	.038	.054	.036	.072	.040	.052	.034	.066	.040
.0425	.032	.052	.040	.064	.048	.042	.042	.040	.054	.038	.076	.040	.056	.038	.070	.042
.0450	.032	.056	.042	.068	.052	.046	.042	.046	.058	.040	.082	.044	.058	.042	.072	.044
.0475	.032	.058	.050	.068	.058	.048	.044	.050	.066	.042	.088	.044	.062	.044	.080	.046
.0500	.036	.060	.050	.068	.066	.052	.048	.052	.068	.046	.094	.046	.062	.048	.080	.052
.0525	.036	.068	.050	.070	.068	.052	.052	.058	.070	.048	.098	.054	.062	.048	.080	.052
.0550	.036	.068	.052	.074	.068	.052	.054	.062	.072	.054	.098	.056	.064	.054	.080	.056
.0575	.038	.072	.052	.074	.068	.054	.058	.064	.074	.056	.100	.058	.070	.058	.080	.060
.0600	.042	.074	.052	.076	.070	.060	.066	.064	.076	.058	.100	.060	.072	.060	.082	.060
.0625	.044	.078	.052	.082	.070	.062	.066	.070	.078	.064	.102	.062	.072	.068	.084	.062
.0650	.046	.078	.054	.084	.072	.068	.070	.072	.080	.064	.102	.066	.074	.074	.084	.062
.0675	.050	.078	.054	.086	.074	.068	.072	.082	.080	.066	.104	.068	.080	.076	.084	.066
.0700	.054	.080	.060	.088	.076	.070	.074	.086	.084	.070	.104	.072	.084	.080	.088	.068
.0725	.056	.082	.062	.090	.076	.070	.074	.086	.086	.076	.104	.074	.086	.082	.092	.072
.0750	.060	.084	.066	.092	.080	.070	.074	.086	.088	.078	.108	.082	.086	.082	.092	.078
.0775	.062	.084	.066	.100	.080	.076	.078	.090	.088	.080	.110	.082	.088	.082	.096	.080
.0800	.062	.086	.072	.102	.084	.080	.078	.090	.090	.084	.114	.082	.090	.086	.100	.084
.0825	.064	.090	.076	.102	.084	.082	.082	.096	.090	.086	.118	.086	.092	.086	.102	.086
.0850	.064	.090	.076	.104	.088	.084	.088	.098	.090	.088	.126	.086	.092	.090	.104	.086
.0875	.066	.094	.080	.110	.088	.084	.090	.098	.090	.090	.126	.088	.094	.090	.112	.088
.0900	.066	.094	.082	.112	.094	.084	.096	.098	.092	.092	.128	.090	.094	.090	.116	.088
.0925	.070	.098	.084	.114	.098	.084	.096	.098	.096	.096	.130	.094	.098	.094	.118	.092
.0950	.074	.102	.084	.120	.100	.086	.100	.098	.100	.098	.130	.094	.098	.100	.120	.092
.0975	.082	.102	.084	.120	.100	.090	.102	.100	.102	.100	.136	.094	.104	.106	.122	.094
.1000	.082	.102	.088	.120	.110	.092	.102	.102	.102	.104	.138	.098	.104	.106	.124	.094

NS = 500 POWER OF COX_F IN UNCENSORED DATA

CONFIGURATION	X		XI		XII		XIII		XIV		XV		XVI	
N1=N2=	20	50	20	50	20	50	20	50	20	50	20	50	20	50
.0025	0.222	0.728	0.664	0.982	0.044	0.054	0.024	0.032	0.424	0.702	0.502	0.684	0.548	0.600
.0050	0.322	0.828	0.728	0.988	0.054	0.072	0.030	0.052	0.482	0.746	0.524	0.702	0.554	0.602
.0075	0.374	0.850	0.764	0.992	0.058	0.082	0.036	0.068	0.522	0.770	0.544	0.714	0.564	0.604
.0100	0.432	0.868	0.780	0.994	0.074	0.096	0.044	0.078	0.538	0.788	0.558	0.728	0.572	0.606
.0125	0.460	0.884	0.790	0.994	0.092	0.104	0.052	0.084	0.564	0.792	0.564	0.736	0.574	0.610
.0150	0.486	0.900	0.800	0.994	0.100	0.112	0.058	0.092	0.576	0.800	0.580	0.738	0.578	0.612
.0175	0.498	0.902	0.814	0.994	0.116	0.126	0.066	0.100	0.584	0.810	0.586	0.740	0.586	0.614
.0200	0.516	0.908	0.826	0.994	0.120	0.130	0.078	0.108	0.596	0.816	0.596	0.742	0.586	0.614
.0225	0.530	0.912	0.834	0.994	0.124	0.136	0.084	0.120	0.606	0.830	0.602	0.742	0.586	0.616
.0250	0.548	0.916	0.838	0.994	0.124	0.148	0.090	0.124	0.626	0.834	0.602	0.746	0.586	0.616
.0275	0.572	0.920	0.842	0.994	0.130	0.152	0.096	0.128	0.636	0.842	0.604	0.748	0.590	0.616
.0300	0.594	0.922	0.848	0.994	0.142	0.158	0.100	0.132	0.642	0.846	0.608	0.748	0.590	0.618
.0325	0.604	0.932	0.852	0.996	0.150	0.164	0.104	0.140	0.648	0.850	0.614	0.752	0.594	0.622
.0350	0.614	0.942	0.858	0.998	0.156	0.170	0.110	0.144	0.650	0.856	0.622	0.754	0.596	0.622
.0375	0.624	0.952	0.868	1.000	0.162	0.180	0.116	0.148	0.662	0.860	0.626	0.756	0.598	0.624
.0400	0.628	0.952	0.870	1.000	0.166	0.186	0.120	0.148	0.672	0.862	0.626	0.756	0.598	0.624
.0425	0.636	0.952	0.874	1.000	0.174	0.190	0.120	0.152	0.680	0.862	0.630	0.758	0.598	0.624
.0450	0.642	0.956	0.880	1.000	0.176	0.190	0.124	0.158	0.680	0.864	0.632	0.764	0.600	0.624
.0475	0.648	0.956	0.884	1.000	0.180	0.196	0.132	0.172	0.680	0.866	0.638	0.764	0.602	0.624
.0500	0.664	0.960	0.894	1.000	0.186	0.204	0.140	0.178	0.688	0.866	0.644	0.764	0.602	0.624
.0525	0.676	0.960	0.904	1.000	0.188	0.212	0.148	0.186	0.702	0.870	0.646	0.764	0.602	0.626
.0550	0.678	0.960	0.906	1.000	0.196	0.222	0.148	0.190	0.708	0.870	0.652	0.764	0.602	0.626
.0575	0.686	0.966	0.906	1.000	0.202	0.230	0.150	0.192	0.714	0.874	0.654	0.764	0.604	0.626
.0600	0.706	0.968	0.906	1.000	0.206	0.234	0.150	0.194	0.714	0.882	0.654	0.764	0.604	0.626
.0625	0.706	0.970	0.908	1.000	0.210	0.246	0.152	0.196	0.716	0.888	0.654	0.764	0.604	0.626
.0650	0.710	0.974	0.910	1.000	0.212	0.250	0.158	0.202	0.716	0.892	0.656	0.766	0.604	0.628
.0675	0.716	0.976	0.910	1.000	0.218	0.254	0.162	0.210	0.718	0.892	0.658	0.766	0.606	0.630
.0700	0.726	0.978	0.910	1.000	0.220	0.260	0.164	0.212	0.720	0.894	0.664	0.766	0.608	0.630
.0725	0.730	0.978	0.910	1.000	0.222	0.266	0.174	0.222	0.720	0.896	0.664	0.766	0.608	0.632
.0750	0.736	0.978	0.914	1.000	0.226	0.270	0.180	0.226	0.722	0.898	0.666	0.766	0.608	0.632
.0775	0.742	0.980	0.922	1.000	0.228	0.274	0.184	0.228	0.726	0.900	0.670	0.770	0.608	0.634
.0800	0.750	0.982	0.926	1.000	0.234	0.282	0.184	0.230	0.726	0.904	0.672	0.772	0.608	0.634
.0825	0.762	0.982	0.926	1.000	0.242	0.286	0.186	0.238	0.726	0.904	0.672	0.774	0.608	0.634
.0850	0.768	0.982	0.928	1.000	0.248	0.290	0.188	0.242	0.728	0.906	0.674	0.776	0.608	0.634
.0875	0.772	0.986	0.928	1.000	0.254	0.296	0.188	0.242	0.730	0.908	0.676	0.776	0.608	0.636
.0900	0.774	0.986	0.928	1.000	0.258	0.298	0.192	0.246	0.734	0.908	0.682	0.776	0.608	0.636
.0925	0.778	0.986	0.928	1.000	0.270	0.300	0.192	0.246	0.738	0.912	0.682	0.778	0.612	0.636
.0950	0.788	0.988	0.930	1.000	0.280	0.304	0.192	0.254	0.742	0.916	0.682	0.780	0.612	0.636
.0975	0.790	0.988	0.930	1.000	0.286	0.306	0.196	0.258	0.744	0.920	0.682	0.782	0.614	0.636
.1000	0.796	0.990	0.934	1.000	0.290	0.312	0.200	0.260	0.746	0.920	0.684	0.782	0.614	0.636