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A SEQUENTIAL MEDIAN TEST

WITH APPLICATIONS TO CEP TESTING

by

Donald R. Barr

and

Thomas D. Burnett

July 1975

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A sequential test of a simple hypothesis of the distribution of a random variable against a simple alternate hypothesis is proposed. The test terminates as soon as one of a sequence of sequentially observed sample medians falls outside a "continuation region". The test can also be used for hypotheses concerning the median of the sampled population, and is especially useful when hypothesized distributions may provide poor fit in the tails, in which case "outliers" may seriously degrade the performance

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of traditional procedures such as the Sequential Probability Ratio Test. Applications to testing hypotheses about the circular error probable of weapon systems are discussed, and the tables of stopping bounds for such tests are presented.

1. Introduction

Let the components of an IID sequence $\{X_1, X_2, \ldots\}$ be observed sequentially, and let M_k denote the sample median after $2k - 1$ observations have been made. We consider a sequential test of $H_0: X \sim F_0$ vs. $H_1: X \sim F_1 \preceq F_0$ based on the statistics M_k; $k = 1, 2, 3, \ldots$ and sequences $\{(a_k, r_k)\}$ of continuation intervals whose end points are "acceptance numbers" a_k and "rejection numbers" r_k. We assume F_0 and F_1 are absolutely continuous. The basic idea is to determine $\{(a_k, r_k)\}$ such that, if the test terminates when M_k is not between a_k and r_k (with appropriate terminal action), the procedure will have prespecified size α and power $1 - \beta$.

An example where such a procedure is useful is in testing air-to-ground weapon systems. A standard measure of performance for such systems is the "circular error probable" (CEP) [4], which is defined to be the median radial miss distance. Frequently, it has been assumed that the weapon (say, bomb) impacts under fixed drop conditions follow a bivariate normal distribution, and that by rotating from the "target plane" to a "normal plane" (perpendicular to the bomb trajectory at impact), the distribution is approximately circular normal (bivariate normal with mean $\underline{0}$ and covariance matrix $\sigma^2 I$). Under these conditions, the radial miss distances are Rayleigh distributed, and the familiar formula $CEP = \sqrt{2\ell n 2}\,\sigma \approx 1.1774\,\sigma$ holds. There has be increasing criticism in recent years of using radial miss distributions based on bivariate normal impact distributions in the underlying plane [5]. Common criticisms cite poor fit of the resulting radial model in the tails, especially in the upper tail due to a relatively high frequency of large miss distances in

many data sets [2]. Since there is apparently a serious question about the validity of such models in a substantial number of cases, tests of CEP by corresponding traditional tests of σ^2 from an underlying normal model may be of doubtful validity. On the other hand, wide use continues to be made of models based on bivariate normal impact distributions, with corresponding faith in the implications of these models. The sample median, therefore, seems to be an attractive alternative in such cases, because it is generally more robust with respect to poor fit in the tails than are statistics sufficient for σ^2. In addition to its robustness, the proposed procedure has the feature that it can be used with truncated samples with little or no modification, unlike some of its competitors. The procedure is flexible, and can be adapted to meet various constraints. For example, one can accommodate taking observations in batches, also the procedure can be modified so as to preclude termination before some specified number of observations have been taken.

The test we consider is based on medians of odd sized samples because the distributions involved are simpler, from a computational standpoint, than those for arbitrary sized samples. Even so, the situation is challenging, primarily because the sequentially observed sample medians are not independent. In what follows, we discuss a method of determining the acceptance and rejection numbers, and apply the method to the CEP problem introduced above. In section 3, we discuss properties of this "sequential median test" (SMT), and compare it with the sequential probability ratio test (SPRT) for our example. The purpose of this report is to introduce and describe the SMT and illustrate its use in an example; we intend to present elsewhere developments of several aspects of the test which involve

more detailed arguments, including asymptotic behavior and detailed discussion of computational procedures. A description outlining the computation of stopping bounds for the SMT is given in Appendix 1, and a table of such bounds for CEP testing is given in Appendix 2.

2. Development

A convenient method of giving the SMT operating characteristics $1 - \alpha$ and β is to design $\{(a_k, r_k)\}$ so that at each stage k, the conditional probabilities of rejection of H_0 given a decision on the k^{th} stage, are α and $1 - \beta$ under H_0 and H_1, respectively. Let $N = 2K-1$ denote the (random) sample size required for termination where K denotes the corresponding number of "stages." Let $P_i (i = 0, 1)$ denote the probability distribution induced on measurable subsets of the space of sequences $\{x_j\}_{j=1}^{\infty}$ under H_i. In order to get a test of size α, where

$$\alpha = P_0[\text{reject } H_0] = \sum_{k=1}^{\infty} P_0[\text{reject } H_0 \text{ at the } k^{th} \text{ stage}] \cdot P_0[K=k] ,$$

it is sufficient that

$$P_0[\text{reject } H_0 \text{ at the } k^{th} \text{ stage}] \leq \alpha ,$$

provided the test eventually terminates with probability one under H_0. But the latter is

$$P_0[M_k \geq r_k | K=k] = \frac{P_0[M_k \geq r_k | K > k-1]}{P_0[M_k \geq r_k | K > k-1] + P_0[M_k \leq a_k | K > k-1]}$$

which equals α for all k if and only if

$$\frac{P_0[M_k \geq r_k | K > k-1]}{P_0[M_k \leq a_k | K > k-1]} = \frac{\alpha}{1-\alpha} \qquad (1)$$

for all k. Similarly, $P_1[\text{reject } H_0] = 1 - \beta$ provided the test eventually terminates with probability one under H_1 and $P_1[\text{reject } H_0 \text{ at the } k^{th} \text{ stage}] \equiv 1 - \beta$ which is true if and only if

$$\frac{P_1[M_k \geq r_k \mid K > k-1]}{P_1[M_k \leq a_k \mid K > k-1]} = \frac{1-\beta}{\beta} \quad . \tag{2}$$

We next discuss the existence of sequences $\{(a_k, r_k)\}$ satisfying equations (1) and (2) for fixed α, β, F_0 and F_1 combinations. Consider first the problem of determining a_1 and r_1, which reduces to solving the system of equations

$$\begin{aligned} \frac{1-F_0(r_1)}{F_0(a_1)} &= \frac{\alpha}{1-\alpha} \quad ; \\ \frac{1-F_1(r_1)}{F_1(a_1)} &= \frac{1-\beta}{\beta} \quad . \end{aligned} \tag{3}$$

In order to see that there is not necessarily a solution (a_1, r_1) to equations (3), consider the particular case of two uniform distributions, say $U(0,1)$ under H_0 and $U(0,2)$ under H_1. Then equations (3) can be solved to give

$$a_1 = \left(\frac{1-\beta}{\beta} - \frac{\alpha}{1-\alpha} \right)^{-1}$$

and

$$r_1 = 1 - \left(\frac{\alpha}{1-\alpha} \right) a_1$$

which satisfy $0 < a_1 < r_1 < 1$ only for certain (α,β) combinations. Thus, for example, there is no solution in this case for equations (3) with

$\alpha = \beta = .4$, whereas there is for $\alpha = \beta = .2$ (in which case $a_1 \approx .27$ and $r_1 \approx .93$). While it is clear that solutions to (3) may not exist in some cases, for "reasonable" values of α and β and with distributions such as those in our example, we have not had difficulty in finding solutions. The question of existence of $\{(a_k, r_k)\}$ satisfying equations (1) and (2) seems difficult to answer in general; we make a rather weak observation about existence of (a_1, r_1) in the following.

Theorem. Let $F_0 \geq F_1$ be continuous CDF's such that

$$F_1 F_0^{-1}\left(y\left(\frac{1-\alpha}{\alpha}\right)\right) = o\left(1 - F_1 F_0^{-1}(1-y)\right) \text{ as } y \to 0 .$$

Than for any $\alpha \in (0,1)$ and $\beta \in \left(0, F_1 F_0^{-1}(1-\alpha)\right)$ there exists a solution (a_1, r_1) to the system (3).

Proof. Let $Y = F_0(X)$, so Y is uniformly distributed under H_0 and has CDF $G_1(y) = F_1 F_0^{-1}(y)$; $y \in (0,1)$, under H_1. Let $a^* = F_0(a_1)$ and $r^* = F_0(r_1)$ so equations (3) may be written

$$\frac{a^*}{1-r^*} = \frac{1-\alpha}{\alpha} \tag{4}$$

and

$$\frac{G_1(a^*)}{1 - G_1(r^*)} = \frac{\beta}{1-\beta} . \tag{5}$$

For any fixed $\alpha \in (0,1)$, equation (4) gives a^* as a linear function of r^*, with admissible (a^*, r^*) pairs lying between $(1-\alpha, 1-\alpha)$ and $(0,1)$. For fixed $\alpha \in (0,1)$, and such admissible (a^*, r^*) pairs, equation (5)

gives β as a function of r^*,

$$\beta(r^*) = \frac{G_1\left((1-r^*)\left(\frac{1-\alpha}{\alpha}\right)\right)}{1 - G_1\left(r^*\right) + G_1\left((1-r^*)\left(\frac{1-\alpha}{\alpha}\right)\right)} \quad . \tag{6}$$

Now $\beta(r^*)$ varies continuously from $\beta(1-\alpha) = G_1(1-\alpha)$ down to $\beta(1^-)$ as r^* varies from its minimal value $1 - \alpha$ up to 1 (and consequently a^* varies from $1 - \alpha$ down to 0). But $\beta(1^-) = \left[1 + \lim_{r^* \to 1^-} \frac{1 - G_1(r^*)}{G_1\left((1-r^*)\left(\frac{1-\alpha}{\alpha}\right)\right)}\right]^{-1} = 0$ under the condition specified above. Consequently, for fixed $\alpha \in (0,1)$ and any $\beta \in (0, G_1(1-\alpha))$ there is a pair (a^*, r^*) with $0 < a^* < r^* < 1$ satisfying (4) and (5).

Remark. In particular, for $\beta(1^-) = 0$ it suffices that $F_1(F_0^{-1}(1^-)) < 1$, since $F_1 \leq F_0$ implies $0 \leq F_1(F_0^{-1}(y)) \leq F_0(F_0^{-1}(y)) = y$ for each $y \in (0,1)$, and hence $G_1(0^+) = 0$. Then expression (6) tends to

$$\beta(1^-) = \frac{G_1(0^+)}{1 - G_1(1^-) + G_1(0^+)} = 0 \quad .$$

A similar condition in the lower tail of F_1 can be established using the transformation $Z = -Y$.

In our example, we consider testing H_0: CEP = C_0 against H_1: CEP = $C_1 > C_0$. For the purpose of calculating the acceptance and rejection numbers, we imagine the radial miss distance to be Rayleigh distributed, or equivalently, the squared radial miss distance to be distributed exponential with parameter $\lambda = \ell n\ 2/C_i^2$ and median C_i^2 under H_i. The assumption of a Rayleigh model for the purpose of determining $\{(a_k, r_k)\}$

is not as strong here as it would be if we were basing a test on $\hat{\sigma}^2$, because we rely on F_0 and F_1 primarily for values near the middles of the distribution, especially after the first few stages. Consequently, poor tail fit should not be so serious in this procedure, and it should be quite robust relative to the SPRT, for example. For our example, taking the X_i to be squared radial miss distances, the values of $\{(a_k, r_k)\}$ determined by $\alpha = \beta = .1$ and $C_1^2 = 2C_0^2$ (we discuss this below) are given in Table 1. Note that both sequences of endpoints are monotone, and that the continuation region is quite short by the 10^{th} or 11^{th} stage. One might expect this, based on the statistical behavior of sample medians. If there is concern about the adequacy of the Rayleigh model for computing the a_k and r_k for small k, the procedure can be modified so as to preclude termination until several observations have been made. Note, however, that r_1 given in Table 1 is about seven standard deviations above the mean of F_0, so it is fairly unlikely the test terminates with $K = 1$. Thus, modification to delay termination in this case may not be worth the trouble.

The algorithm we used to generate the sequence $\{(a_k, r_k)\}$ of acceptance and rejection numbers for a given α, β, F_0, and F_1 is recursive in nature, involving transitions between states depicting the frequency of the occurence of observations $X_1, \ldots, X_n$ in specified intervals on the real line. At the end of the k^{th} stage, one of the following states may be occupied: an acceptance state defined by

$$A_k = [M_k \leq a_k] ;$$

a rejection state defined by

$$R_k = [M_k \geq r_k] ;$$

Stage	a_k	r_k	Conditional Probability of Termination	
			H_0 true	H_1 true
1	0.0079	10.6835	0.0061	0.0274
2	0.1772	4.7519	0.0400	0.1009
3	0.4014	3.2658	0.0882	0.1614
4	0.5690	2.6670	0.1150	0.1803
5	0.6939	2.3413	0.1296	0.1872
6	0.7876	2.1405	0.1364	0.1876
7	0.8611	2.0032	0.1410	0.1877
8	0.9201	1.9039	0.1440	0.1872
9	0.9677	1.8296	0.1448	0.1852
10	1.0075	1.7713	0.1463	0.1847
11	1.0419	1.7238	0.1489	0.1850
12	1.0711	1.6854	0.1494	0.1841
13	1.0962	1.6537	0.1499	0.1836
14	1.1180	1.6270	0.1502	0.1830
15	1.1371	1.6042	0.1504	0.1826
16	1.1539	1.5847	0.1504	0.1820
17	1.1688	1.5677	0.1504	0.1821
18	1.1823	1.5527	0.1513	0.1823
19	1.1949	1.5391	0.1534	0.1846
20	1.2059	1.5274	0.1527	0.1838

TABLE 1. Acceptance and rejection numbers $\{(a_k, r_k)\}$ for a test of exponential distribution with median $C_0^2 = 1$ against exponential with median $C_1^2 = 2$, with $\alpha = \beta = .10$. The probabilities of termination are conditional, given the test has not previously terminated.

or one of the continuation states, defined by

$$S^k_{i,j} = \left[X_{(i)} \le a_{k+1} < X_{(i+1)}\right] \cap \left[X_{(2k-1-j)} < r_{k+1} \le X_{(2k-j)}\right] \cap N_k \; ; \; 0 \le i+j \le 2k-1,$$

where $N_k = \bigcap_{i=1}^{k} (\bar{A}_i \cap \bar{R}_i)$, all order statistics are in samples of size $2k - 1$, and where we define $X_{(0)} = -\infty$ and $X_{(2k)} = \infty$. The range of possible continuation states at the end of the k^{th} stage and the type of state to which transition may be made on the $k+1^{st}$ stage are depicted in Figure 1.

The calculation of the probability of transition from state $S^k_{i,j}$ to A_{k+1} or R_{k+1} involves the multinomial distribution associated with the locations of the 2, $k+1^{st}$ stage observations on the real line. The probabilities of this multinomial are obtained from F_0 or F_1 depending upon the hypothesis being considered. The calculation of the probabilities of transition from $S^k_{i,j}$ to $S^{k+1}_{i',j'}$ involves the convolution of the multinomial distribution associated with the location of the $2k-1-i-j$ observations in the interval (a_{k+1}, r_{k+1}) after the k^{th} stage and the multinomial distribution of the location of the 2, $k+1^{st}$ stage observations on the real line. The probabilities of these multinomials are again obtained from F_0 or F_1 as appropriate. Expressions for the transition probabilities are given in Appendix 1.

The process of generating the sequence of acceptance and rejection numbers $\{(a_k, r_k)\}$ involves the simultaneous solution of equations (1) and (2). The generating process we used is an iterative solution routine for nonlinear systems of equations, requiring an estimate of (a_k, r_k) in order to compute the probabilities of occupying states $S^{k+1}_{i,j}$ from which the probabilities in equations (1) and (2) are computed. If the calculated

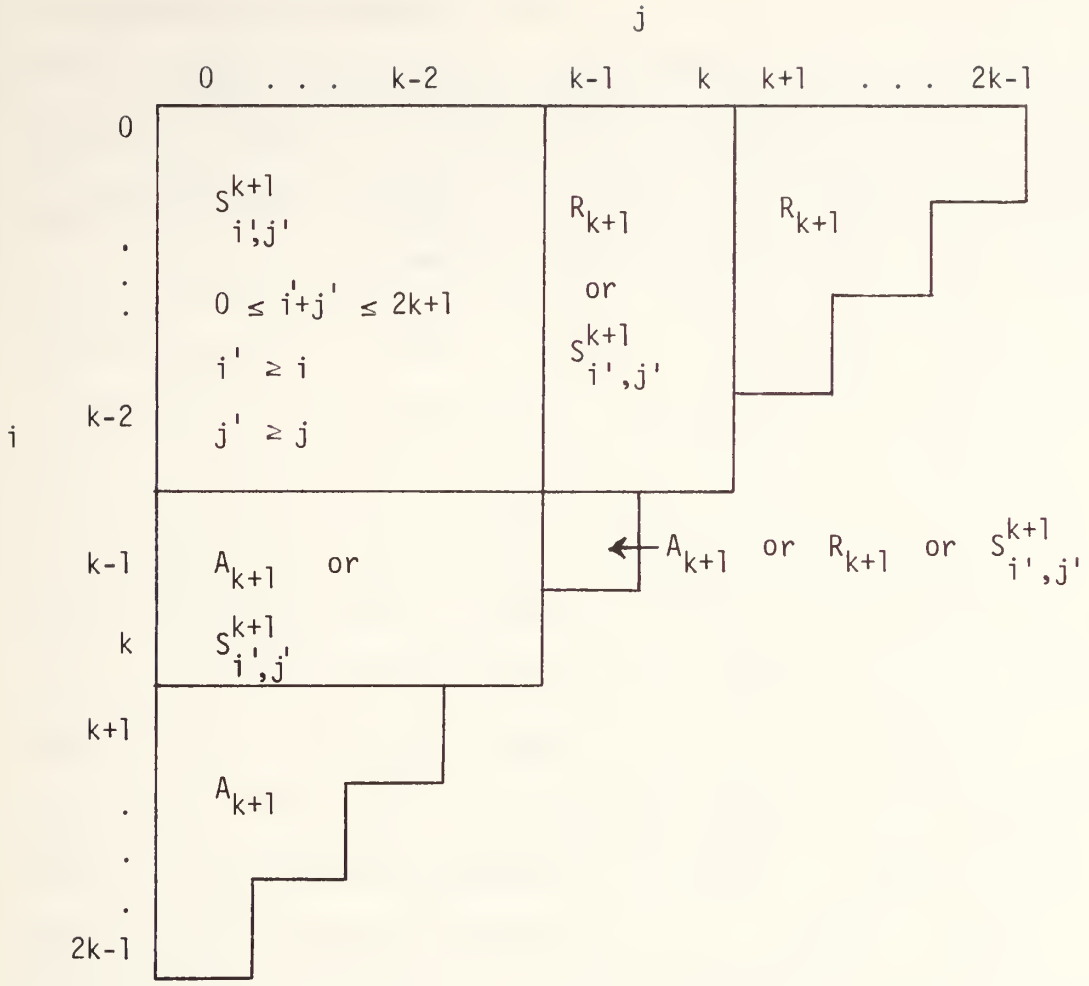

Figure 1. Possible Continuation states at the end of the k^{th} stage , and the types of states to which transition can be made in the $k+1^{st}$ stage.

decision probabilities do not satisfy equations (1) and (2) with the current estimate of the values of a_k and r_k, they are adjusted and the state and decision probabilities are reevaluated. This process is repeated until values of (a_k, r_k) are obtained to within specified accuracy. A detailed description of the procedure and listing of the computer program we used to generate $\{(a_k, r_k)\}$ will be made available elsewhere.

3. Properties of the SMT

We noted above that the conditions given in (1) and (2) are sufficient to provide an SMT with the desired operating characteristics, provided the test eventually terminates with probability one under both hypotheses. This is evidently the case in our example, where, as may be seen in Table 1, the distributions of N under H_0 and H_1 have geometric upper tails. The plausibility of this behavior can be informally argued along the following lines: Asymptotically, M_k is normal with mean C_i^2 and variance proportional to $(2k-1)^{-1}$ [7]. The Asymptotic conditional distribution of M_k, given the test has not terminated previously, is normal truncated below a_{k-1} and above r_{k-1}. Consider the problem of solving equations (1) and (2) for a_k and r_k using for F_0 and F_1 the asymptotic normal distributions truncated at a_{k-1} and r_{k-1}. For large k, this problem changes from one stage to the next only by a scale factor proportional to $\sqrt{2k-1}$. Evidence of this can be seen in Table 1, where the quantities $(r_k - a_k)\sqrt{2k-1}$ appear to be converging for increasing k. If the quantities are measured in terms of corresponding asymptotic standard deviation units, equations (1) and (2) and hence their solutions should thus become essentially unchanging with increasing k. Following this line of reasoning it can be shown, for example, that the sequence of continuation intervals started in Table 1 converges to the point $a_\infty = 4/3$ as $k \to \infty$.

Assuming the distribution of N has a geometric upper tail under a given distribution of X, it is easy to compute $E_i(N)$ (approximately) for our example. This is accomplished by a standard technique involving the initial and tail conditional expectations taken with Table 1 and a geometric

mass function, respectively. In order to assess the behavior of $E(N)$ under distributions of X other than F_0 and F_1, we simulated the test developed for our example under a variety of assumed exponential distributions corresponding to medians C^2 ranging between .5 and 3. As expected, in each case the conditional probabilities of acceptance and rejection, and hence of termination, given the test enters stage k, apparently converge to positive values. The geometric distribution was therefore assumed to fit in the upper tail for our calculation of $E(N)$, $V(N)$ and operating characteristic $L(C^2)$ values.

The efficiency of this SMT relative to the SPRT in our example, in terms of expected sample sizes, variance in sample sizes, and operating characteristics, is demonstrated in Figures 2, 3, 4. The values of $E(N)$, $L(C^2)$ and $V(N)$ shown for the SPRT, taken from Gavlak [3], are exact (rather than Wald's approximations) for an SPRT of exponential hypotheses with stopping bounds given by the usual approximations $(1-\beta)/\alpha = 9$ and $\beta/(1-\alpha) = 1/9$.

For comparison, a third sequential test, an SPRT based on Bernoulli random variables which indicate whether or not each impact is within C_0 units of the target, was considered. The hypotheses on C^2 under consideration above reduce to H_0: $p = 1/2$ vs. H_1: $p = 1-2^{-C_0^2/C_1^2} \approx .2929$. A discussion of why this procedure should be robust, even though it involves the assumed Rayleigh distribution through computation of p values corresponding to C^2 values, is given by Barr [1]. It is clear that this procedure, which we henceforth call the SPRT (Bernoulli) is not as efficient as the SPRT based on the exponential (SPRT (exponential)) because the indicator random variables are not sufficient for C^2 in the exponential

family under consideration. In short, the SPRT (Bernoulli) procedure should offer a robust but fairly inefficient procedure for testing hypotheses about CEP, and it seemed to be of some interest to see how well it performed relative to the SMT and SPRT (exponential), under exponential conditions. Values of $E(N)$ and $L(C^2)$ shown in Figures 2 and 3 were computed using the Wald approximations [8]; evaluations of $V(N)$ in the SPRT (Bernoulli) procedure are apparently not available for the example case.

As can be seen in Figure 2, there is not a great deal of difference in the O.C.'s of the three procedures. Figure 3 shows that the SMT requires expected sample sizes intermediate between those of the other two tests, and that it is reasonably efficient relative to the SPRT (exponential). Figure 4 suggests that the standard deviation in sample size for the SMT is roughly proportional to $E(N)$, as has been suggested for the SPRT [6].

Because of the apparent reasonable performance of the SMT relative to the SPRT, and because of presumed robustness, we feel the SMT has potential for use in situations such as the CEP testing problem we have described. In order to make the procedure easily accessable for CEP Testing, in Appendix 2 we have tabulated continuation intervals, as in Table 1 above, together with $E_i(N)$ for a number of C_0^2/C_1^2 ratios and α, β combinations. This can be done conveniently by taking $C_0^2 = 1$ and letting C_1^2 vary, since C_0^2 is a scale parameter in the present application.

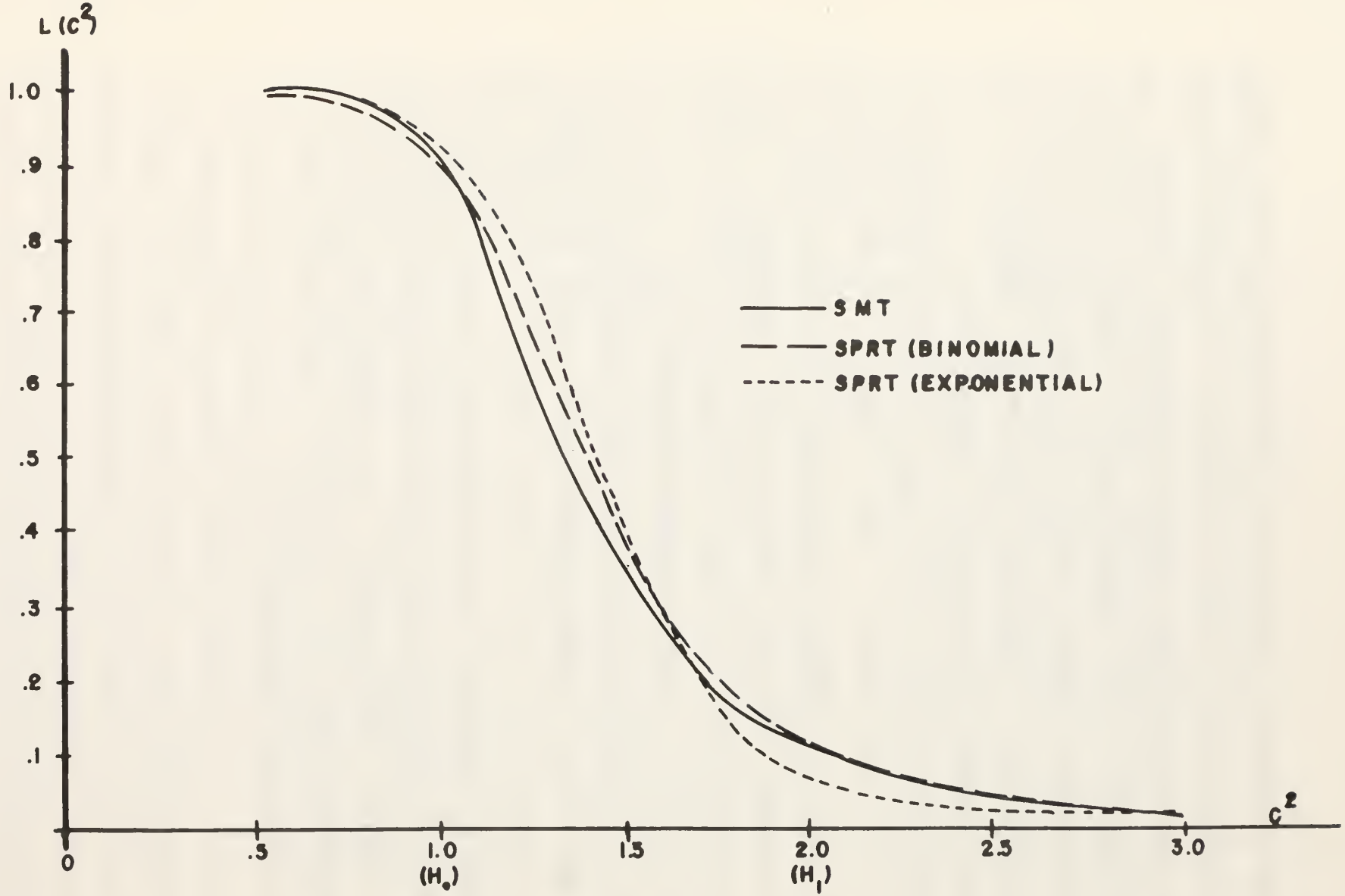

Figure 2. O.C. Curves for Three Sequential Procedures

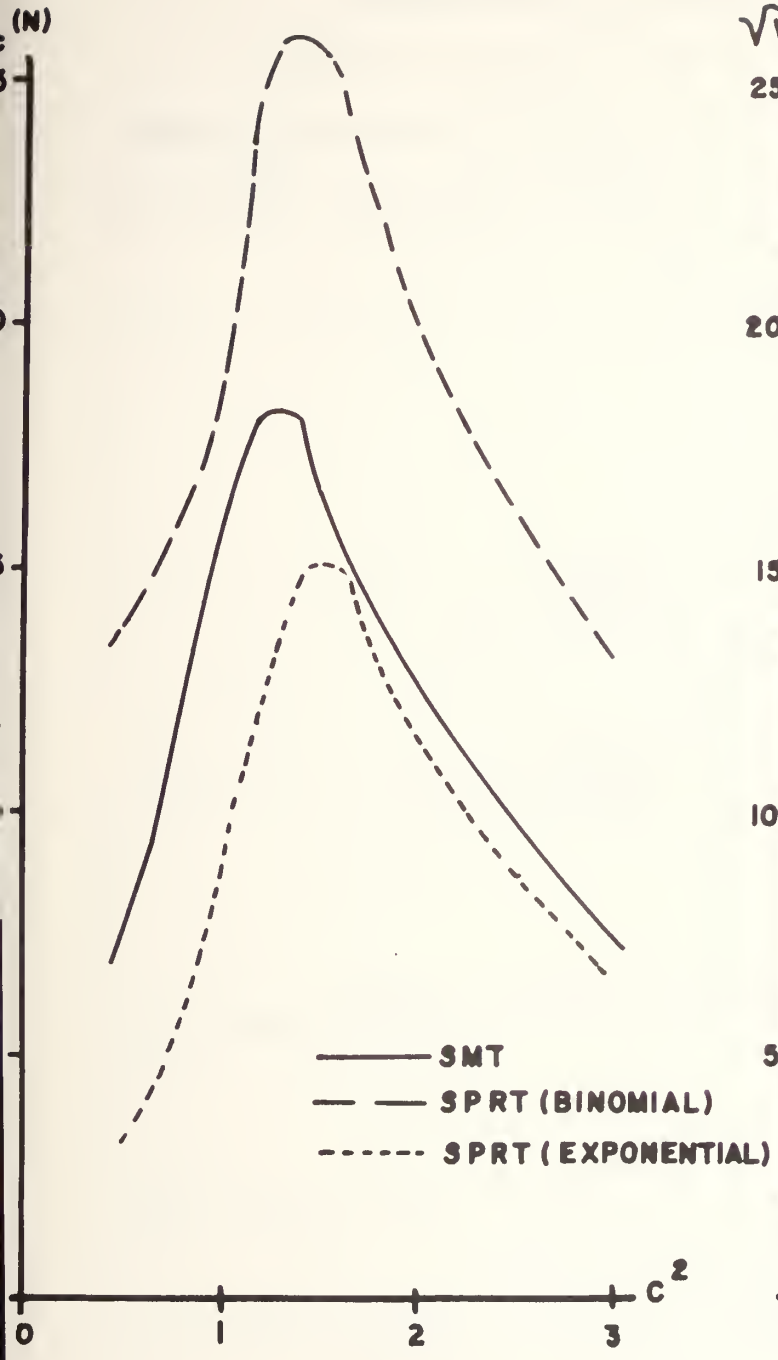

Figure 3. Expected Sample Sizes.

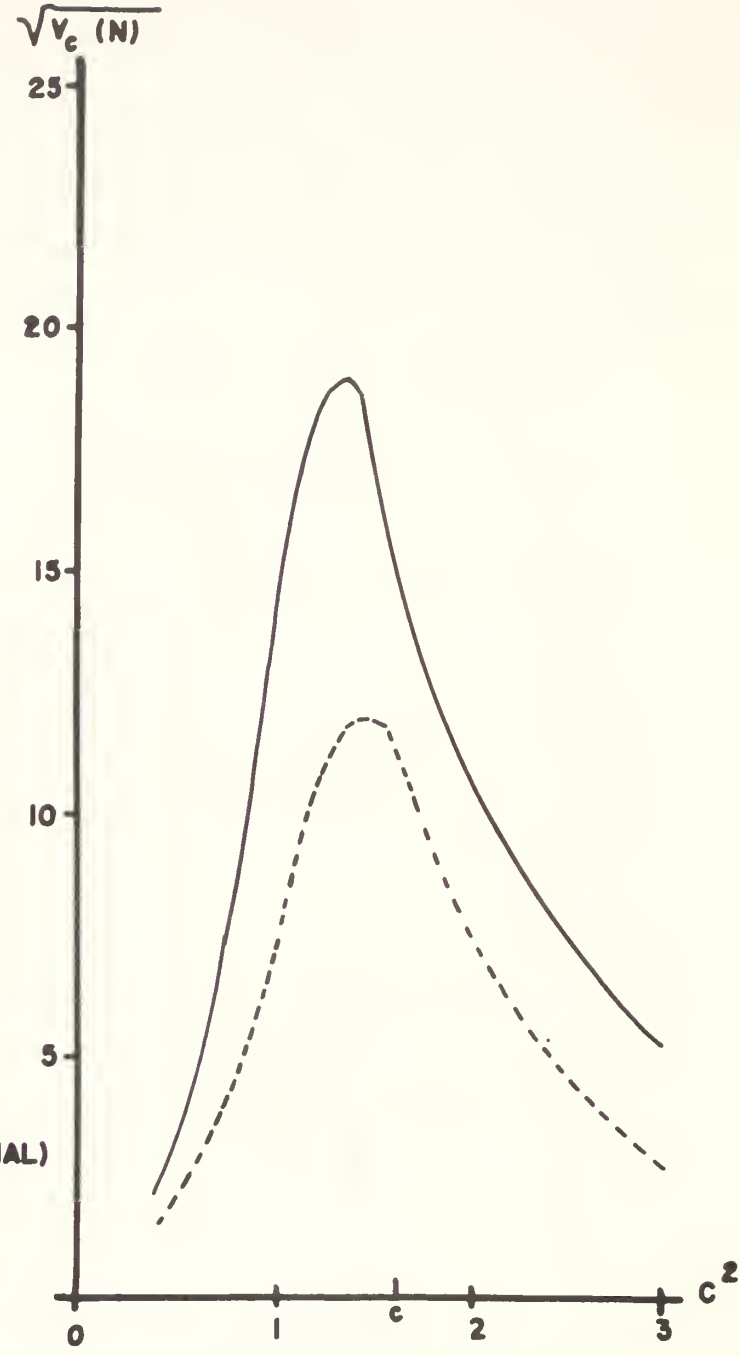

Figure 4. Standard Deviation of Sample Sizes.

APPENDIX 1: Computation of Termination Bounds

The following are expression giving decision and transition probabilities. The subscript $h \in \{0,1\}$ denotes calculations performed under the conditions specified by H_0 and H_1, and $N_{k-1} = \bigcap_{i=1}^{k-1} (\bar{A}_i \cap \bar{R}_i)$ is the event that the test enters stage k.

For $k = 1$: $P_h(A_1) = F_h(a_1)$

$$P_h(R_1) = 1-F_h(r_1) .$$

For $k \geq 2$: $$P_h(A_k \cap N_{k-1}) = \sum_{\substack{i \\ 0\leq i+j\leq 2k-3}} \sum_{j} \frac{P_h\left(S_{i,j}^{k-1}\right)}{P_h(S)} P_h(\xi)$$

$$P_h(R_k \cap N_{k-1}) = \sum_{0\leq i+j\leq 2k-3} \sum \frac{P_h\left(S_{i,j}^{k-1}\right)}{P_h(S)} P_h(\eta)$$

where

$$P_h(\xi) = \begin{cases} 0 & i=0,1,\ldots,k-3 \\ (F_h(a_k))^2 & i=k-2 \\ (F_h(a_k))^2 + \binom{2}{1} F_h(a_k)(1-F_h(a_k)) & i=k-1 \\ 1 & i=k,\ldots,2k-3 \end{cases}$$

$$P_h(\eta) = \begin{cases} 0 & j=0,1,\ldots,k-3 \\ (1-F_h(r_k))^2 & j=k-2 \\ (1-F_h(r_k))^2 + \binom{2}{1}(1-F_h(r_k))F_h(r_k) & j=k-1 \\ 1 & j=k,\ldots,2k-3 \end{cases}$$

and

$$P_h(S) = \sum_{\substack{i \\ 0\le i+j\le 2k-3}} \sum_{j} P_h\left(S^{k-1}_{i,j}\right) .$$

For $k = 1$: $P_h\left(S^{1}_{i,j}\right) = (F_h(a_2)-F_h(a_1))^{i}(F_h(r_2)-F_h(a_2))^{1-i-j}$.

$$(F_h(r_1)-F_h(r_2))^{j} \qquad 0\le i+j\le 1 .$$

For $k \ge 2$: $P_h\left(S^{k}_{i+s,j+t} \mid S^{k-1}_{i,j}\right) =$

$$\sum_{s_1=\max(0,s-v)}^{\min(s,2)} \sum_{\substack{t_1=\max(0,t-v) \\ s_k+t_1+v\gtrsim s+t}}^{\min(2-s,t)} \binom{2}{s_1,t_1,2-s_1-t_1} (*)(F_h(r_{k+1})-F_h(a_{k+1}))^{2-s_1-t_1}(**) .$$

$$\binom{v}{s-s_1,t-t_1,v^*} \frac{(F_h(a_{k+1})-F_h(a_k))^{s-s_1}(F_h(r_{k+1})-F_h(a_{k+1}))^{v^*}(F_h(r_k)-F_h(r_{k+1}))^{(t-t_1)}}{(F_h(r_k)-F_h(a_k))^{v}}$$

where

$$v^* = v - (s-s_1) - (t-t_1)$$

$$v = 2k-3-i-j \ge 0$$

$$0 \le s+t \le 2k-3-i-j$$

$$i \le k-1 \; ; \; j \le k-1$$

$$s \ge 0 \quad ; \; t \ge 0$$

and

$$(*) = \begin{cases} (F_h(a_{k+1})-F_h(a_k))^{s_1} & i=k-1 \\ 1 & i=k-2 \ ; \ s_1=0 \\ F_h(a_{k+1}) & i=k-2 \ ; \ s_1=1 \\ F_h(a_{k+1})^2-F_h(a_k)^2 & i=k-2 \ ; \ s_1=2 \\ (F_h(a_{k+1}))^{s_1} & i \le k-3 \end{cases}$$

and

$$(**) = \begin{cases} (F_h(r_k)-F_h(r_{k+1}))^{t_1} & j=k-1 \\ 1 & j=k-2 \ ; \ t_1=0 \\ (1-F_h(r_{k+1})) & j=k-2 \ ; \ t_1=1 \\ (1-F_h(r_{k+1}))^2-(1-F_h(r_k))^2 & j-k-2 \ ; \ t_1=2 \\ (1-F_h(r_{k+1}))^{t_1} & j \le k-3 \end{cases}$$

APPENDIX 2: Table of Stopping Bounds and Operating Characteristics

In what follows, we give stopping bounds (for the first 20 stages) and probabilities of acceptance and rejection at each stage k, for testing H_1: CEP = C1 vs. H_2: CEP = C2 , for C1 = 1.0 and C2 = 1.5(.5)4.0 . The test is based on the assumption that radial miss distance is Rayleigh distributed; alternatively, with squared miss distanges, the tests can be interpreted as tests of H_1: X $\sim$ exponential $\ell n2/(C(1))^2$ vs. H_2: X $\sim$ exponential $\ell n2/(C(2))^2$, where X is squared radial miss distance. The test terminates at the first stage for which the median of the sample of squared radial miss distances falls outside the interval (A(K) , R(K)) with corresponding terminal decision. For C1 hypotheses other than 1.0, transform the problem to a C1 = 1.0 case by a change in scale. For each hypothesis pair, the bounds and operating characteristics are tabulated for combinations of α = .05(.05).20 and β = .05(.05).20 .

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	B(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00000223.760000		0.000000	0.000001	0.000017	0.000001
2	0.00296011.064365		0.000001	0.000025	0.000216	0.000011
3	0.034957	6.772050	0.000007	0.000131	0.000770	0.000040
4	0.100074	5.007466	0.000029	0.000569	0.002380	0.000124
5	0.189613	3.938432	0.000112	0.002080	0.006634	0.000355
6	0.272377	3.349053	0.000226	0.004223	0.011123	0.000596
7	0.348461	2.957808	0.000379	0.007075	0.016137	0.000865
8	0.415614	2.683862	0.000544	0.010156	0.020761	0.001112
9	0.471196	2.493512	0.000648	0.012393	0.023315	0.001237
10	0.523768	2.334352	0.000837	0.015910	0.028061	0.001483
11	0.567326	2.215607	0.000929	0.017714	0.029847	0.001558
12	0.608612	2.112753	0.001105	0.020949	0.033671	0.001765
13	0.642918	2.033406	0.001158	0.022048	0.034342	0.001788
14	0.675547	1.962702	0.001303	0.024728	0.037219	0.001948
15	0.702766	1.906545	0.001320	0.025117	0.037139	0.001923
16	0.728759	1.855463	0.001431	0.027186	0.039253	0.002036
17	0.753561	1.809326	0.001556	0.029525	0.041365	0.002185
18	0.774320	1.772024	0.001542	0.029323	0.040566	0.002138
19	0.793000	1.739214	0.001563	0.029699	0.040781	0.002129
20	0.810942	1.708715	0.001636	0.031079	0.042044	0.002201

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.05 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	B(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00001820.497277		0.000001	0.000013	0.000077	0.000009
2	0.009143	9.445529	0.000012	0.000238	0.000958	0.000106
3	0.067014	5.912646	0.000044	0.000857	0.002409	0.000266
4	0.165225	4.344234	0.000175	0.003378	0.007162	0.000792
5	0.273327	3.492598	0.000460	0.008579	0.014765	0.001652
6	0.365029	3.013598	0.000739	0.013785	0.020620	0.002306
7	0.445141	2.701995	0.001037	0.019385	0.026205	0.002930
8	0.510744	2.489232	0.001214	0.023291	0.029095	0.003252
9	0.570255	2.319797	0.001496	0.028472	0.033801	0.003755
10	0.620796	2.191902	0.001675	0.031926	0.036238	0.004034
11	0.665299	2.089179	0.001856	0.035332	0.038696	0.004321
12	0.702022	2.009744	0.001907	0.036298	0.039034	0.004304
13	0.736716	1.939553	0.002096	0.039778	0.041675	0.004616
14	0.767458	1.881252	0.002195	0.041740	0.042634	0.004773
15	0.792995	1.834412	0.002174	0.041336	0.041935	0.004640
16	0.817292	1.791698	0.002291	0.043525	0.043479	0.004819
17	0.838982	1.755000	0.002330	0.044292	0.043700	0.004852
18	0.858391	1.723081	0.002352	0.044700	0.043752	0.004844
19	0.876367	1.694385	0.002401	0.045635	0.044238	0.004904
20	0.892506	1.669198	0.002407	0.045734	0.044085	0.004872

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARL

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00007418	495894	0.000003	0.000051	0.000194	0.000034
2	0.018171	8.461773	0.000048	0.000930	0.002362	0.000416
3	0.103638	5.316592	0.000150	0.002907	0.005249	0.000926
4	0.223371	3.963619	0.000475	0.009097	0.012923	0.002268
5	0.341488	3.240609	0.000995	0.018565	0.022313	0.003947
6	0.438051	2.830775	0.001415	0.026399	0.028409	0.005035
7	0.515104	2.572649	0.001644	0.031636	0.031438	0.005554
8	0.585505	2.370797	0.002072	0.039398	0.037193	0.006548
9	0.642751	2.227173	0.002260	0.043148	0.039056	0.006884
10	0.692783	2.113486	0.002493	0.047460	0.041615	0.007345
11	0.735179	2.024648	0.002620	0.049862	0.042676	0.007532
12	0.772460	1.951636	0.002755	0.052396	0.043919	0.007766
13	0.804263	1.892460	0.002799	0.053226	0.044046	0.007750
14	0.833331	1.841083	0.002919	0.055487	0.045187	0.007978
15	0.859088	1.797540	0.002977	0.056584	0.045475	0.008055
16	0.881971	1.760201	0.003012	0.057242	0.045558	0.008073
17	0.902355	1.727881	0.003028	0.057551	0.045487	0.008043
18	0.920561	1.699667	0.003030	0.057574	0.045306	0.007970
19	0.937921	1.673628	0.003117	0.059208	0.046112	0.008156
20	0.953459	1.650884	0.003114	0.059179	0.045802	0.008112

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.05 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00021116	986406	0.000008	0.000146	0.000390	0.000097
2	0.030302	7.735044	0.000132	0.002544	0.004586	0.001144
3	0.142637	4.891372	0.000358	0.006899	0.009044	0.002260
4	0.278521	3.702887	0.000927	0.017869	0.018952	0.004728
5	0.404216	3.062655	0.001700	0.031702	0.029460	0.007368
6	0.501168	2.707125	0.002129	0.040101	0.034093	0.008535
7	0.580697	2.470211	0.002459	0.047096	0.037636	0.009403
8	0.649438	2.293165	0.002854	0.054382	0.041725	0.010405
9	0.706988	2.161884	0.003103	0.059143	0.043820	0.010987
10	0.754572	2.062225	0.003230	0.061508	0.044627	0.011144
11	0.796140	1.981367	0.003394	0.064545	0.045918	0.011477
12	0.831373	1.916639	0.003447	0.065559	0.046033	0.011466
13	0.863377	1.861125	0.003593	0.068302	0.047169	0.011816
14	0.890654	1.815696	0.003593	0.068312	0.046752	0.011689
15	0.914795	1.776803	0.003620	0.068807	0.046764	0.011649
16	0.937262	1.741980	0.003730	0.070751	0.047574	0.011909
17	0.956561	1.712858	0.003676	0.069863	0.046729	0.011666
18	0.974327	1.686706	0.003715	0.070594	0.046939	0.011710
19	0.990701	1.663250	0.003754	0.071332	0.047092	0.011781
20	1.005336	1.642657	0.003735	0.070974	0.046695	0.011659

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	B(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000009	20.498596	0.000001	0.000006	0.000077	0.000004
2	0.006234	9.446847	0.000012	0.000111	0.000957	0.000050
3	0.052139	5.890525	0.000046	0.000418	0.002483	0.000129
4	0.135687	4.318229	0.000187	0.001700	0.007486	0.000387
5	0.233701	3.449979	0.000530	0.004724	0.016147	0.000863
6	0.318574	2.967974	0.000893	0.007972	0.023158	0.001238
7	0.394297	2.644493	0.001316	0.011752	0.030227	0.001618
8	0.458622	2.420025	0.001680	0.015018	0.035404	0.001889
9	0.515040	2.251168	0.002048	0.018319	0.040245	0.002151
10	0.561492	2.127667	0.002225	0.020095	0.042056	0.002228
11	0.602589	2.027135	0.002465	0.022210	0.044971	0.002346
12	0.641356	1.940102	0.002826	0.025374	0.049229	0.002597
13	0.673428	1.872917	0.002891	0.026058	0.049245	0.002594
14	0.701961	1.816036	0.003020	0.027197	0.050462	0.002638
15	0.729048	1.764938	0.003266	0.029375	0.053056	0.002802
16	0.751611	1.723979	0.003231	0.029103	0.052035	0.002727
17	0.773133	1.686399	0.003404	0.030628	0.053825	0.002831
18	0.791144	1.655675	0.003321	0.029900	0.052455	0.002718
19	0.809184	1.626115	0.003518	0.031753	0.054643	0.002857
20	0.825376	1.600215	0.003564	0.032079	0.054751	0.002865

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	B(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000082	17.264703	0.000006	0.000057	0.000343	0.000038
2	0.018979	7.853687	0.000112	0.001013	0.004116	0.000454
3	0.104816	4.930208	0.000331	0.002994	0.008633	0.000956
4	0.220184	3.694028	0.000953	0.008593	0.019464	0.002145
5	0.332203	3.034039	0.001856	0.016566	0.031418	0.003517
6	0.423705	2.655391	0.002568	0.022931	0.038898	0.004357
7	0.500695	2.402312	0.003204	0.028667	0.044955	0.005037
8	0.563180	2.228095	0.003563	0.032196	0.047833	0.005329
9	0.617649	2.093126	0.004018	0.036211	0.051737	0.005736
10	0.665183	1.987032	0.004410	0.039734	0.054693	0.006107
11	0.704076	1.906369	0.004502	0.040566	0.054792	0.006069
12	0.739412	1.837880	0.004795	0.043166	0.056986	0.006331
13	0.770526	1.781106	0.004972	0.044772	0.057934	0.006475
14	0.796223	1.735869	0.004890	0.044038	0.056716	0.006261
15	0.820535	1.694940	0.005113	0.046008	0.058410	0.006463
16	0.842120	1.659955	0.005172	0.046558	0.058477	0.006482
17	0.861336	1.629722	0.005196	0.046776	0.058340	0.006455
18	0.879044	1.602690	0.005282	0.047542	0.058773	0.006516
19	0.894865	1.579094	0.005276	0.047492	0.058422	0.006465
20	0.909960	1.557238	0.005412	0.048705	0.059291	0.006609

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000331	15.261274	0.000025	0.000229	0.000865	0.000153
2	0.037685	6.878825	0.000430	0.003898	0.009983	0.001758
3	0.158328	4.383665	0.000995	0.009037	0.017056	0.002999
4	0.293496	3.349985	0.002260	0.020504	0.031589	0.005560
5	0.412462	2.799892	0.003649	0.032559	0.044116	0.007805
6	0.505502	2.482109	0.004488	0.040076	0.050106	0.008858
7	0.580136	2.273585	0.004995	0.045237	0.053378	0.009426
8	0.644409	2.117084	0.005658	0.051032	0.057893	0.010221
9	0.696281	2.003568	0.005893	0.053172	0.058787	0.010330
10	0.741316	1.913153	0.006244	0.056249	0.060766	0.010685
11	0.780508	1.840259	0.006524	0.058757	0.062083	0.010997
12	0.812516	1.783599	0.006456	0.058155	0.060960	0.010709
13	0.842467	1.733445	0.006793	0.061110	0.062961	0.011148
14	0.867078	1.693669	0.006643	0.059818	0.061352	0.010788
15	0.890251	1.657723	0.006877	0.061879	0.062695	0.011083
16	0.910732	1.627058	0.006907	0.062179	0.062440	0.011078
17	0.928888	1.600576	0.006901	0.062121	0.062044	0.011003
18	0.945031	1.577501	0.006867	0.061813	0.061552	0.010875
19	0.959893	1.556727	0.006911	0.062207	0.061643	0.010886
20	0.973161	1.538463	0.006858	0.061730	0.061078	0.010737

*

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000946	13.744968	0.000073	0.000656	0.001744	0.000437
2	0.062348	6.172629	0.001139	0.010330	0.018860	0.004706
3	0.215243	3.990675	0.002174	0.019692	0.027362	0.006815
4	0.363407	3.107778	0.004077	0.036818	0.043365	0.010798
5	0.486182	2.636653	0.005765	0.051483	0.054793	0.013737
6	0.577702	2.366600	0.006417	0.057792	0.057938	0.014471
7	0.653045	2.179318	0.007106	0.064187	0.061731	0.015385
8	0.715271	2.043179	0.007623	0.068765	0.064169	0.016011
9	0.766895	1.940922	0.007952	0.071679	0.065356	0.016348
10	0.809947	1.861903	0.008127	0.073225	0.065676	0.016429
11	0.846050	1.799358	0.008183	0.073705	0.065419	0.016294
12	0.878507	1.746336	0.008460	0.076157	0.066576	0.016691
13	0.905900	1.703439	0.008418	0.075797	0.065741	0.016468
14	0.929922	1.667104	0.008443	0.076010	0.065506	0.016377
15	0.951057	1.636063	0.008438	0.075953	0.065140	0.016239
16	0.970314	1.608664	0.008531	0.076784	0.065380	0.016334
17	0.987334	1.585015	0.008497	0.076485	0.064861	0.016183
18	1.002914	1.563899	0.008552	0.076973	0.064914	0.016224
19	1.016747	1.545459	0.008490	0.076417	0.064300	0.016028
20	1.029865	1.528420	0.008621	0.077580	0.064819	0.016249

*

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00002218.496349		0.000003	0.000015	0.000194	0.000010
2	0.009910	8.446603	0.000049	0.000279	0.002395	0.000125
3	0.068309	5.289719	0.000159	0.000904	0.005441	0.000281
4	0.162401	3.905523	0.000555	0.003152	0.014306	0.000739
5	0.263984	3.154960	0.001312	0.007392	0.026592	0.001421
6	0.348624	2.736390	0.001979	0.011154	0.034833	0.001857
7	0.423461	2.451590	0.002729	0.015395	0.043115	0.002312
8	0.486042	2.253757	0.003306	0.018640	0.048441	0.002593
9	0.539539	2.106874	0.003798	0.021461	0.052628	0.002816
10	0.584995	1.994587	0.004162	0.023513	0.055387	0.002945
11	0.622439	1.909345	0.004266	0.024216	0.055721	0.002906
12	0.657742	1.834501	0.004715	0.026715	0.059647	0.003107
13	0.688955	1.772602	0.004974	0.028207	0.061313	0.003209
14	0.716615	1.720636	0.005175	0.029336	0.062451	0.003279
15	0.739594	1.678975	0.005089	0.028856	0.061142	0.003160
16	0.763135	1.638673	0.005567	0.031700	0.065096	0.003437
17	0.782717	1.605972	0.005504	0.031202	0.063808	0.003351
18	0.800236	1.577505	0.005521	0.031290	0.063620	0.003320
19	0.816970	1.551171	0.005713	0.032369	0.064970	0.003409
20	0.830994	1.529449	0.005526	0.031322	0.063026	0.003261

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.00020815.262281		0.000025	0.000144	0.000865	0.000096
2	0.029749	6.875925	0.000432	0.002454	0.010009	0.001104
3	0.135034	4.361236	0.001042	0.005927	0.017578	0.001936
4	0.259327	3.313906	0.002480	0.014121	0.033559	0.003706
5	0.372113	2.755506	0.004167	0.023503	0.047977	0.005373
6	0.461363	2.433262	0.005265	0.029687	0.055313	0.006193
7	0.535148	2.216746	0.006175	0.034875	0.060970	0.006824
8	0.594672	2.066248	0.006638	0.037750	0.063234	0.007037
9	0.646278	1.949232	0.007271	0.041253	0.066877	0.007426
10	0.691089	1.856939	0.007801	0.044249	0.069507	0.007788
11	0.727591	1.786708	0.007844	0.044502	0.068881	0.007671
12	0.759593	1.728506	0.008059	0.045688	0.069764	0.007735
13	0.787725	1.679853	0.008219	0.046592	0.070278	0.007777
14	0.812526	1.638759	0.008325	0.047190	0.070479	0.007785
15	0.834452	1.603714	0.008382	0.047508	0.070425	0.007757
16	0.855150	1.571963	0.008692	0.049249	0.071962	0.008004
17	0.872304	1.546211	0.008436	0.047814	0.069877	0.007703
18	0.888594	1.522423	0.008625	0.048874	0.070865	0.007825
19	0.903115	1.501681	0.008591	0.048685	0.070333	0.007749
20	0.916938	1.482462	0.008774	0.049718	0.071186	0.007895

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000835	13.258364	0.000102	0.000579	0.002184	0.000386
2	0.058212	5.928699	0.001593	0.009052	0.023467	0.004119
3	0.202790	3.830974	0.002978	0.016920	0.033133	0.005820
4	0.342965	2.985346	0.005471	0.031100	0.051284	0.009013
5	0.459440	2.533050	0.007652	0.043192	0.064016	0.011326
6	0.549798	2.264350	0.008891	0.050160	0.069675	0.012350
7	0.619157	2.090887	0.009298	0.052928	0.070766	0.012420
8	0.680434	1.956048	0.010397	0.058950	0.076092	0.013429
9	0.729505	1.858442	0.010638	0.060356	0.076158	0.013460
10	0.770466	1.782749	0.010842	0.061480	0.076443	0.013462
11	0.805977	1.721212	0.011121	0.063044	0.077239	0.013621
12	0.836858	1.670588	0.011325	0.064192	0.077613	0.013741
13	0.862939	1.629514	0.011246	0.063747	0.076616	0.013509
14	0.885824	1.594679	0.011264	0.063840	0.076330	0.013400
15	0.907267	1.563373	0.011611	0.065791	0.077687	0.013761
16	0.924916	1.538105	0.011263	0.063834	0.075450	0.013242
17	0.941566	1.514929	0.011476	0.065028	0.076323	0.013423
18	0.956314	1.494835	0.011414	0.064682	0.075683	0.013286
19	0.970266	1.476345	0.011622	0.065856	0.076428	0.013509
20	0.982659	1.460223	0.011550	0.065453	0.075709	0.013391

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.002371	11.753026	0.000290	0.001642	0.004378	0.001095
2	0.095840	5.239711	0.004104	0.023358	0.043254	0.010792
3	0.272979	3.464940	0.006044	0.034439	0.050078	0.012506
4	0.422586	2.759522	0.009242	0.052659	0.067040	0.016734
5	0.541229	2.375632	0.011702	0.066022	0.077821	0.019505
6	0.628565	2.151240	0.012448	0.070562	0.079535	0.019874
7	0.699678	1.994744	0.013333	0.075732	0.082549	0.020662
8	0.756888	1.882119	0.013787	0.078220	0.083456	0.020878
9	0.804014	1.797024	0.014082	0.079856	0.083815	0.020971
10	0.843068	1.731035	0.014179	0.080387	0.083433	0.020829
11	0.876706	1.677371	0.014387	0.081548	0.083687	0.020927
12	0.905784	1.633219	0.014521	0.082302	0.083615	0.020975
13	0.930212	1.597358	0.014346	0.081310	0.082304	0.020548
14	0.952224	1.566187	0.014518	0.082272	0.082657	0.020678
15	0.971473	1.539707	0.014481	0.082067	0.082058	0.020522
16	0.988367	1.516973	0.014396	0.081586	0.081357	0.020285
17	1.003728	1.496796	0.014466	0.081976	0.081367	0.020303
18	1.017716	1.478854	0.014536	0.082375	0.081339	0.020354
19	1.030075	1.463235	0.014419	0.081712	0.080547	0.020110
20	1.041387	1.449171	0.014434	0.081796	0.080393	0.020067

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000044	16.988795	0.000008	0.000031	0.000390	0.000021
2	0.013961	7.703055	0.000138	0.000552	0.004723	0.000247
3	0.083562	4.839101	0.000398	0.001593	0.009691	0.000501
4	0.185737	3.596762	0.001229	0.004928	0.022778	0.001190
5	0.287565	2.938931	0.002484	0.009900	0.037300	0.001991
6	0.372290	2.561574	0.003542	0.014119	0.046759	0.002498
7	0.444228	2.309868	0.004514	0.018007	0.054460	0.002905
8	0.504695	2.131810	0.005290	0.021105	0.059839	0.003182
9	0.557075	1.996977	0.006023	0.024059	0.064612	0.003453
10	0.601467	1.893948	0.006515	0.026030	0.067245	0.003600
11	0.638429	1.814340	0.006737	0.026854	0.067976	0.003594
12	0.671111	1.748689	0.007034	0.028109	0.069554	0.003661
13	0.700126	1.693630	0.007302	0.029194	0.070905	0.003722
14	0.725993	1.646923	0.007526	0.030097	0.071919	0.003773
15	0.748947	1.607207	0.007662	0.030656	0.072333	0.003789
16	0.769367	1.573098	0.007745	0.030985	0.072455	0.003780
17	0.788760	1.541913	0.008075	0.032297	0.074315	0.003912
18	0.804926	1.516516	0.007841	0.031371	0.072191	0.003759
19	0.820361	1.492899	0.008043	0.032170	0.073392	0.003821
20	0.835091	1.471030	0.008295	0.033179	0.074717	0.003929

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.000417	13.754921	0.000072	0.000289	0.001736	0.000193
2	0.041435	6.153664	0.001169	0.004688	0.019189	0.002119
3	0.162931	3.938135	0.002415	0.009684	0.029315	0.003238
4	0.290699	3.037322	0.004852	0.019477	0.048519	0.005346
5	0.402497	2.550615	0.007365	0.029382	0.064113	0.007158
6	0.489635	2.266757	0.008820	0.035177	0.070993	0.007936
7	0.560516	2.075877	0.009933	0.039636	0.075912	0.008478
8	0.619290	1.938391	0.010777	0.043076	0.079269	0.008881
9	0.666647	1.838300	0.011039	0.044208	0.079541	0.008846
10	0.707706	1.758216	0.011556	0.046246	0.081540	0.009047
11	0.743393	1.693342	0.011974	0.047914	0.082884	0.009232
12	0.774500	1.640046	0.012290	0.049163	0.083677	0.009374
13	0.799953	1.598143	0.012014	0.048072	0.081587	0.009042
14	0.823820	1.560519	0.012458	0.049828	0.083478	0.009293
15	0.844826	1.528631	0.012538	0.050157	0.083280	0.009301
16	0.863374	1.501310	0.012544	0.050181	0.082837	0.009249
17	0.879801	1.477695	0.012495	0.049983	0.082233	0.009152
18	0.894394	1.457121	0.012403	0.049613	0.081526	0.009016
19	0.908240	1.438093	0.012634	0.050538	0.082436	0.009150
20	0.920572	1.421455	0.012554	0.050218	0.081717	0.009053

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.001672	11.753435	0.000290	0.001158	0.004378	0.000772
2	0.080196	5.229180	0.004163	0.016688	0.043662	0.007666
3	0.241144	3.436450	0.006386	0.025631	0.051943	0.009122
4	0.382975	2.718170	0.010197	0.040885	0.071551	0.012573
5	0.497173	2.329700	0.013172	0.052548	0.083989	0.014901
6	0.583300	2.099223	0.014486	0.057757	0.087778	0.015567
7	0.651223	1.944799	0.015214	0.061022	0.089507	0.015863
8	0.707006	1.831447	0.015933	0.063796	0.091477	0.016170
9	0.753057	1.745918	0.016335	0.065384	0.092103	0.016276
10	0.791295	1.679648	0.016488	0.065981	0.091850	0.016184
11	0.824287	1.625743	0.016768	0.067091	0.092294	0.016280
12	0.852852	1.581373	0.016958	0.067845	0.092359	0.016339
13	0.877674	1.544418	0.017058	0.068243	0.092113	0.016336
14	0.898630	1.514110	0.016802	0.067220	0.090563	0.015959
15	0.917608	1.487486	0.016953	0.067817	0.090845	0.016004
16	0.934283	1.464658	0.016871	0.067487	0.090138	0.015834
17	0.949933	1.443877	0.017205	0.068818	0.091117	0.016122
18	0.963725	1.425960	0.017122	0.068490	0.090332	0.016007
19	0.975923	1.410350	0.016973	0.067895	0.089443	0.015800
20	0.987097	1.396281	0.016992	0.067971	0.089298	0.015762

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 1.5 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.004755	10.247481	0.000823	0.003290	0.008779	0.002195
2	0.131048	4.558328	0.010397	0.041686	0.078407	0.019558
3	0.322133	3.086582	0.012306	0.049352	0.075281	0.018752
4	0.470814	2.498730	0.016634	0.066741	0.091215	0.022767
5	0.584596	2.176826	0.019534	0.077926	0.100088	0.025108
6	0.668511	1.983994	0.020385	0.081564	0.101010	0.025351
7	0.733901	1.852752	0.020902	0.083760	0.101467	0.025360
8	0.787041	1.756204	0.021426	0.085765	0.102214	0.025504
9	0.830504	1.683192	0.021639	0.086598	0.101926	0.025416
10	0.867463	1.625093	0.022014	0.088080	0.102341	0.025638
11	0.898019	1.579374	0.021885	0.087561	0.101042	0.025284
12	0.924295	1.541663	0.021939	0.087768	0.100614	0.025174
13	0.946987	1.510223	0.021925	0.087707	0.100008	0.025014
14	0.966666	1.483729	0.021844	0.087383	0.099263	0.024784
15	0.984351	1.460616	0.022004	0.088017	0.099383	0.024886
16	0.999779	1.440890	0.021875	0.087505	0.098517	0.024644
17	1.013292	1.423879	0.021687	0.086752	0.097583	0.024304
18	1.025937	1.408344	0.021969	0.087877	0.098249	0.024589
19	1.037053	1.394884	0.021799	0.087199	0.097331	0.024324
20	1.047178	1.382805	0.021811	0.087243	0.097121	0.024275

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0008	14.9909	0.0000	0.0006	0.0055	0.0003
2	0.0633	6.6873	0.0003	0.0053	0.0263	0.0014
3	0.2220	4.3215	0.0011	0.0214	0.0656	0.0034
4	0.3793	3.3545	0.0022	0.0419	0.0956	0.0050
5	0.5089	2.8445	0.0031	0.0586	0.1126	0.0059
6	0.6111	2.5377	0.0037	0.0696	0.1204	0.0063
7	0.6951	2.3291	0.0041	0.0787	0.1261	0.0066
8	0.7626	2.1824	0.0044	0.0838	0.1278	0.0067
9	0.8198	2.0708	0.0047	0.0889	0.1304	0.0069
10	0.8698	1.9822	0.0050	0.0944	0.1332	0.0070
11	0.9128	1.9123	0.0052	0.0981	0.1341	0.0071
12	0.9491	1.8565	0.0052	0.0997	0.1337	0.0070
13	0.9805	1.8107	0.0053	0.1008	0.1334	0.0070
14	1.0110	1.7692	0.0056	0.1073	0.1379	0.0073
15	1.0368	1.7358	0.0057	0.1075	0.1361	0.0072
16	1.0592	1.7077	0.0057	0.1077	0.1356	0.0071
17	1.0797	1.6829	0.0058	0.1095	0.1368	0.0072
18	1.0986	1.6610	0.0059	0.1114	0.1373	0.0072
19	1.1149	1.6424	0.0058	0.1106	0.1366	0.0072
20	1.1295	1.6262	0.0058	0.1102	0.1362	0.0072

THIS CASE HAS PARAMLTERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.05 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0038	12.8368	0.0001	0.0026	0.0117	0.0013
2	0.1288	5.7178	0.0011	0.0233	0.0494	0.0055
3	0.3426	3.8160	0.0031	0.0582	0.0971	0.0108
4	0.5174	3.0561	0.0046	0.0875	0.1193	0.0133
5	0.6518	2.6484	0.0056	0.1058	0.1293	0.0144
6	0.7541	2.3998	0.0061	0.1155	0.1322	0.0147
7	0.8345	2.2317	0.0064	0.1215	0.1332	0.0148
8	0.8999	2.1099	0.0066	0.1262	0.1340	0.0149
9	0.9546	2.0172	0.0069	0.1302	0.1348	0.0150
10	0.9991	1.9466	0.0069	0.1308	0.1334	0.0148
11	1.0365	1.8902	0.0069	0.1315	0.1325	0.0147
12	1.0689	1.8437	0.0070	0.1327	0.1326	0.0147
13	1.0969	1.8051	0.0070	0.1332	0.1322	0.0147
14	1.1213	1.7726	0.0070	0.1333	0.1315	0.0146
15	1.1438	1.7439	0.0072	0.1362	0.1327	0.0147
16	1.1635	1.7195	0.0072	0.1362	0.1319	0.0147
17	1.1810	1.6985	0.0072	0.1361	0.1313	0.0146
18	1.1966	1.6800	0.0072	0.1360	0.1309	0.0145
19	1.2106	1.6637	0.0072	0.1361	0.1305	0.0145
20	1.2233	1.6492	0.0072	0.1360	0.1302	0.0145

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0095	11.5053	0.0003	0.0065	0.0185	0.0033
2	0.1990	5.1496	0.0023	0.0442	0.0708	0.0125
3	0.4475	3.5386	0.0053	0.1003	0.1181	0.0208
4	0.6305	2.8961	0.0069	0.1308	0.1328	0.0234
5	0.7661	2.5467	0.0078	0.1473	0.1382	0.0244
6	0.8673	2.3315	0.0081	0.1547	0.1385	0.0244
7	0.9459	2.1852	0.0084	0.1590	0.1378	0.0243
8	1.0091	2.0788	0.0085	0.1622	0.1374	0.0242
9	1.0608	1.9985	0.0086	0.1641	0.1364	0.0241
10	1.1032	1.9363	0.0087	0.1644	0.1349	0.0238
11	1.1394	1.8861	0.0087	0.1657	0.1344	0.0237
12	1.1703	1.8450	0.0088	0.1663	0.1337	0.0236
13	1.1970	1.8108	0.0088	0.1667	0.1330	0.0235
14	1.2202	1.7820	0.0088	0.1669	0.1325	0.0234
15	1.2405	1.7575	0.0088	0.1670	0.1318	0.0233
16	1.2585	1.7363	0.0088	0.1671	0.1314	0.0232
17	1.2745	1.7179	0.0088	0.1672	0.1310	0.0231
18	1.2889	1.7015	0.0088	0.1672	0.1307	0.0231
19	1.3017	1.6872	0.0088	0.1673	0.1304	0.0230
20	1.3134	1.6744	0.0088	0.1673	0.1302	0.0230

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.05 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0190	10.5052	0.0007	0.0131	0.0262	0.0066
2	0.2756	4.1448	0.0041	0.0771	0.0911	0.0228
3	0.5482	3.3512	0.0076	0.1451	0.1336	0.0334
4	0.7356	2.7910	0.0091	0.1729	0.1421	0.0355
5	0.8710	2.4830	0.0098	0.1866	0.1443	0.0361
6	0.9707	2.2918	0.0101	0.1917	0.1428	0.0357
7	1.0474	2.1613	0.0102	0.1944	0.1412	0.0353
8	1.1085	2.0664	0.0103	0.1962	0.1399	0.0350
9	1.1579	1.9947	0.0104	0.1969	0.1384	0.0346
10	1.1989	1.9384	0.0104	0.1979	0.1376	0.0344
11	1.2329	1.8938	0.0104	0.1971	0.1362	0.0340
12	1.2618	1.8572	0.0104	0.1970	0.1352	0.0338
13	1.2866	1.8267	0.0104	0.1969	0.1344	0.0336
14	1.3082	1.8009	0.0104	0.1969	0.1338	0.0334
15	1.3270	1.7788	0.0104	0.1967	0.1332	0.0333
16	1.3436	1.7598	0.0103	0.1966	0.1326	0.0332
17	1.3583	1.7432	0.0103	0.1965	0.1322	0.0331
18	1.3715	1.7287	0.0103	0.1964	0.1318	0.0330
19	1.3832	1.7158	0.0103	0.1963	0.1315	0.0329
20	1.3938	1.7044	0.0103	0.1962	0.1311	0.0328

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0018	12.8359	0.0001	0.0012	0.0117	0.0006
2	0.0883	5.6854	0.0011	0.0100	0.0505	0.0027
3	0.2635	3.7407	0.0035	0.0319	0.1042	0.0055
4	0.4187	2.9557	0.0058	0.0523	0.1337	0.0070
5	0.5420	2.5365	0.0074	0.0665	0.1480	0.0078
6	0.6375	2.2816	0.0083	0.0749	0.1534	0.0081
7	0.7144	2.1084	0.0090	0.0811	0.1569	0.0083
8	0.7777	1.9830	0.0096	0.0860	0.1592	0.0084
9	0.8302	1.8887	0.0099	0.0894	0.1605	0.0084
10	0.8740	1.8162	0.0102	0.0914	0.1603	0.0084
11	0.9114	1.7581	0.0104	0.0933	0.1606	0.0085
12	0.9443	1.7100	0.0106	0.0957	0.1617	0.0085
13	0.9724	1.6708	0.0107	0.0963	0.1610	0.0085
14	0.9995	1.6354	0.0113	0.1016	0.1653	0.0087
15	1.0225	1.6066	0.0113	0.1020	0.1644	0.0087
16	1.0424	1.5825	0.0113	0.1017	0.1636	0.0086
17	1.0597	1.5620	0.0112	0.1012	0.1632	0.0086
18	1.0750	1.5441	0.0112	0.1009	0.1629	0.0086
19	1.0886	1.5284	0.0112	0.1006	0.1627	0.0086
20	1.1017	1.5137	0.0114	0.1029	0.1641	0.0086

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0079	10.6835	0.0006	0.0055	0.0247	0.0027
2	0.1772	4.7519	0.0040	0.0360	0.0908	0.0101
3	0.4014	3.2658	0.0088	0.0794	0.1453	0.0161
4	0.5690	2.6670	0.0115	0.1035	0.1623	0.0180
5	0.6939	2.3413	0.0130	0.1166	0.1685	0.0187
6	0.7876	2.1405	0.0136	0.1228	0.1688	0.0188
7	0.8611	2.0032	0.0141	0.1269	0.1689	0.0188
8	0.9201	1.9039	0.0144	0.1296	0.1685	0.0187
9	0.9677	1.8296	0.0145	0.1303	0.1667	0.0185
10	1.0075	1.7713	0.0146	0.1317	0.1662	0.0185
11	1.0419	1.7238	0.0149	0.1340	0.1665	0.0185
12	1.0711	1.6854	0.0149	0.1345	0.1657	0.0184
13	1.0962	1.6537	0.0150	0.1349	0.1652	0.0184
14	1.1180	1.6270	0.0150	0.1352	0.1647	0.0183
15	1.1371	1.6042	0.0150	0.1354	0.1643	0.0183
16	1.1539	1.5847	0.0150	0.1354	0.1638	0.0182
17	1.1688	1.5677	0.0150	0.1354	0.1639	0.0182
18	1.1823	1.5527	0.0151	0.1362	0.1641	0.0182
19	1.1949	1.5391	0.0153	0.1381	0.1661	0.0185
20	1.2059	1.5274	0.0153	0.1374	0.1654	0.0184

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0200	9.3548	0.0015	0.0137	0.0391	0.0069
2	0.2712	4.2149	0.0063	0.0748	0.1259	0.0222
3	0.5219	3.0060	0.0144	0.1296	0.1711	0.0302
4	0.6940	2.5112	0.0168	0.1512	0.1791	0.0316
5	0.8178	2.2388	0.0179	0.1613	0.1805	0.0319
6	0.9090	2.0692	0.0183	0.1650	0.1785	0.0315
7	0.9793	1.9531	0.0186	0.1673	0.1767	0.0312
8	1.0351	1.8686	0.0188	0.1698	0.1753	0.0309
9	1.0798	1.8055	0.0187	0.1686	0.1732	0.0306
10	1.1166	1.7560	0.0188	0.1689	0.1720	0.0303
11	1.1476	1.7102	0.0188	0.1694	0.1713	0.0302
12	1.1739	1.6836	0.0189	0.1694	0.1704	0.0301
13	1.1968	1.6565	0.0189	0.1705	0.1704	0.0301
14	1.2166	1.6337	0.0190	0.1707	0.1699	0.0300
15	1.2338	1.6144	0.0190	0.1707	0.1694	0.0299
16	1.2488	1.5977	0.0190	0.1707	0.1690	0.0298
17	1.2622	1.5833	0.0190	0.1707	0.1686	0.0298
18	1.2740	1.5707	0.0190	0.1706	0.1683	0.0297
19	1.2845	1.5597	0.0189	0.1705	0.1680	0.0296
20	1.2939	1.5498	0.0189	0.1704	0.1677	0.0296

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0401	8.3598	0.0030	0.0274	0.0552	0.0138
2	0.3731	3.8383	0.0139	0.1247	0.1573	0.0393
3	0.6388	2.8312	0.0201	0.1807	0.1893	0.0473
4	0.8124	2.4086	0.0220	0.1980	0.1915	0.0479
5	0.9338	2.1743	0.0227	0.2046	0.1898	0.0474
6	1.0219	2.0275	0.0229	0.2062	0.1863	0.0466
7	1.0890	1.9267	0.0230	0.2071	0.1839	0.0460
8	1.1415	1.8537	0.0230	0.2071	0.1815	0.0454
9	1.1832	1.7988	0.0229	0.2064	0.1791	0.0448
10	1.2175	1.7559	0.0229	0.2063	0.1775	0.0444
11	1.2460	1.7215	0.0229	0.2062	0.1762	0.0441
12	1.2700	1.6934	0.0229	0.2061	0.1751	0.0438
13	1.2905	1.6702	0.0229	0.2060	0.1742	0.0436
14	1.3084	1.6505	0.0230	0.2067	0.1739	0.0435
15	1.3238	1.6338	0.0230	0.2068	0.1734	0.0433
16	1.3373	1.6196	0.0230	0.2068	0.1732	0.0433
17	1.3492	1.6072	0.0230	0.2068	0.1729	0.0432
18	1.3596	1.5965	0.0230	0.2067	0.1729	0.0432
19	1.3688	1.5871	0.0229	0.2061	0.1722	0.0431
20	1.3769	1.5789	0.0229	0.2058	0.1717	0.0429

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0028	11.5020	0.0003	0.0020	0.0186	0.0010
2	0.1077	5.0771	0.0026	0.0145	0.0743	0.0039
3	0.2903	3.3896	0.0070	0.0395	0.1355	0.0071
4	0.4424	2.7083	0.0103	0.0586	0.1625	0.0086
5	0.5606	2.3421	0.0125	0.0707	0.1745	0.0092
6	0.6514	2.1177	0.0137	0.0774	0.1782	0.0094
7	0.7237	1.9649	0.0145	0.0821	0.1803	0.0095
8	0.7829	1.8539	0.0151	0.0858	0.1818	0.0096
9	0.8317	1.7705	0.0156	0.0883	0.1824	0.0096
10	0.8723	1.7060	0.0158	0.0897	0.1822	0.0096
11	0.9065	1.6547	0.0160	0.0906	0.1818	0.0096
12	0.9370	1.6116	0.0164	0.0931	0.1840	0.0097
13	0.9642	1.5751	0.0169	0.0957	0.1859	0.0098
14	0.9886	1.5441	0.0174	0.0984	0.1877	0.0099
15	1.0094	1.5187	0.0172	0.0983	0.1862	0.0098
16	1.0275	1.4971	0.0174	0.0984	0.1861	0.0098
17	1.0434	1.4786	0.0174	0.0984	0.1866	0.0098
18	1.0575	1.4626	0.0173	0.0981	0.1866	0.0098
19	1.0727	1.4462	0.0186	0.1054	0.1970	0.0104
20	1.0843	1.4338	0.0178	0.1011	0.1909	0.0100

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0126	9.3510	0.0015	0.0087	0.0391	0.0043
2	0.2138	4.1701	0.0088	0.0499	0.1296	0.0144
3	0.4390	2.9291	0.0164	0.0931	0.1830	0.0203
4	0.6000	2.4218	0.0199	0.1128	0.1954	0.0217
5	0.7178	2.1436	0.0217	0.1227	0.1988	0.0221
6	0.8053	1.9709	0.0224	0.1269	0.1978	0.0220
7	0.8735	1.8526	0.0229	0.1297	0.1969	0.0219
8	0.9276	1.7670	0.0232	0.1313	0.1956	0.0217
9	0.9715	1.7025	0.0233	0.1322	0.1944	0.0216
10	1.0079	1.6521	0.0235	0.1329	0.1936	0.0215
11	1.0385	1.6118	0.0235	0.1334	0.1929	0.0214
12	1.0643	1.5790	0.0236	0.1336	0.1921	0.0213
13	1.0865	1.5518	0.0236	0.1336	0.1914	0.0213
14	1.1056	1.5289	0.0236	0.1336	0.1909	0.0212
15	1.1223	1.5095	0.0236	0.1336	0.1904	0.0212
16	1.1370	1.4927	0.0236	0.1335	0.1900	0.0211
17	1.1505	1.4777	0.0239	0.1352	0.1914	0.0213
18	1.1627	1.4645	0.0241	0.1365	0.1936	0.0215
19	1.1739	1.4526	0.0243	0.1378	0.1947	0.0216
20	1.1837	1.4426	0.0243	0.1378	0.1946	0.0216

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0317	3.0253	0.0038	0.0217	0.0613	0.0139
2	0.3250	3.6532	0.0177	0.1002	0.1756	0.0310
3	0.5695	2.6740	0.0262	0.1473	0.2124	0.0373
4	0.7318	2.2459	0.0298	0.1680	0.2252	0.0379
5	0.8454	2.0377	0.0299	0.1699	0.2245	0.0378
6	0.9317	1.8953	0.0303	0.1718	0.2212	0.0372
7	0.9953	1.7970	0.0306	0.1737	0.2095	0.0370
8	1.0453	1.7265	0.0307	0.1735	0.2070	0.0365
9	1.0856	1.6732	0.0306	0.1737	0.2055	0.0363
10	1.1185	1.6317	0.0307	0.1738	0.2042	0.0360
11	1.1458	1.5986	0.0307	0.1738	0.2033	0.0359
12	1.1689	1.5715	0.0306	0.1737	0.2025	0.0357
13	1.1882	1.5484	0.0306	0.1734	0.2021	0.0357
14	1.2046	1.5287	0.0306	0.1732	0.2015	0.0356
15	1.2194	1.5117	0.0305	0.1730	0.2010	0.0355
16	1.2319	1.5013	0.0305	0.1727	0.2003	0.0354
17	1.2430	1.4855	0.0304	0.1725	0.1999	0.0353
18	1.2527	1.4792	0.0304	0.1724	0.1995	0.0352
19	1.2614	1.4702	0.0304	0.1723	0.1992	0.0352
20	1.2694	1.4621	0.0306	0.1735	0.2001	0.0353

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0637	7.0366	0.0076	0.0432	0.0873	0.0218
2	0.4451	3.2949	0.0286	0.1618	0.2150	0.0538
3	0.6964	2.5054	0.0357	0.2012	0.2326	0.0577
4	0.8586	2.1615	0.0377	0.2137	0.2316	0.0578
5	0.9694	1.9704	0.0382	0.2169	0.2276	0.0568
6	1.0490	1.8500	0.0383	0.2172	0.2234	0.0559
7	1.1088	1.7675	0.0383	0.2172	0.2204	0.0551
8	1.1552	1.7079	0.0383	0.2171	0.2180	0.0545
9	1.1917	1.6632	0.0382	0.2164	0.2158	0.0539
10	1.2213	1.6286	0.0381	0.2161	0.2142	0.0535
11	1.2456	1.6011	0.0381	0.2158	0.2129	0.0532
12	1.2658	1.5787	0.0380	0.2156	0.2119	0.0530
13	1.2829	1.5603	0.0380	0.2154	0.2110	0.0528
14	1.2974	1.5450	0.0380	0.2153	0.2104	0.0526
15	1.3099	1.5320	0.0380	0.2153	0.2098	0.0524
16	1.3207	1.5210	0.0380	0.2152	0.2093	0.0523
17	1.3301	1.5114	0.0380	0.2153	0.2094	0.0523
18	1.3384	1.5032	0.0380	0.2153	0.2093	0.0523
19	1.3459	1.4959	0.0382	0.2157	0.2103	0.0526
20	1.3525	1.4895	0.0382	0.2155	0.2107	0.0527

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0040	10.4978	0.0007	0.0028	0.0263	0.0014
2	0.1244	4.6260	0.0047	0.0190	0.0983	0.0052
3	0.3107	3.1280	0.0114	0.0455	0.1633	0.0086
4	0.4594	2.5217	0.0158	0.0630	0.1874	0.0099
5	0.5733	2.1930	0.0184	0.0735	0.1973	0.0104
6	0.6601	1.9907	0.0197	0.0789	0.1997	0.0105
7	0.7288	1.8527	0.0206	0.0827	0.2011	0.0106
8	0.7843	1.7530	0.0213	0.0852	0.2014	0.0106
9	0.8300	1.6775	0.0218	0.0871	0.2013	0.0106
10	0.8682	1.6187	0.0221	0.0885	0.2011	0.0106
11	0.9003	1.5720	0.0223	0.0892	0.2005	0.0106
12	0.9290	1.5325	0.0229	0.0917	0.2028	0.0107
13	0.9542	1.4993	0.0234	0.0937	0.2045	0.0108
14	0.9771	1.4709	0.0241	0.0965	0.2078	0.0109
15	0.9964	1.4477	0.0241	0.0964	0.2067	0.0109
16	1.0155	1.4258	0.0254	0.1018	0.2151	0.0113
17	1.0308	1.4088	0.0249	0.0998	0.2112	0.0111
18	1.0441	1.3943	0.0248	0.0991	0.2119	0.0112
19	1.0557	1.3817	0.0246	0.0985	0.2121	0.0112
20	1.0660	1.3707	0.0245	0.0978	0.2119	0.0111

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0178	8.3487	0.0031	0.0123	0.0564	0.0062
2	0.2448	3.7395	0.0157	0.0620	0.1673	0.0186
3	0.4675	2.8754	0.0254	0.1033	0.2158	0.0249
4	0.6224	2.2327	0.0299	0.1197	0.2248	0.0259
5	0.7340	1.9809	0.0318	0.1272	0.2260	0.0261
6	0.8163	1.8260	0.0325	0.1300	0.2248	0.0259
7	0.8802	1.7222	0.0331	0.1324	0.2232	0.0258
8	0.9301	1.6572	0.0332	0.1328	0.2206	0.0255
9	0.9707	1.6002	0.0334	0.1337	0.2197	0.0254
10	1.0040	1.5559	0.0335	0.1341	0.2185	0.0253
11	1.0314	1.5205	0.0336	0.1344	0.2177	0.0252
12	1.0554	1.4917	0.0337	0.1347	0.2170	0.0251
13	1.0755	1.4679	0.0337	0.1348	0.2170	0.0251
14	1.0927	1.4478	0.0337	0.1347	0.2166	0.0251
15	1.1090	1.4298	0.0347	0.1387	0.2209	0.0255
16	1.1229	1.4148	0.0346	0.1384	0.2211	0.0256
17	1.1346	1.4023	0.0343	0.1373	0.2202	0.0255
18	1.1449	1.3914	0.0343	0.1368	0.2198	0.0254
19	1.1550	1.3811	0.0342	0.1367	0.2195	0.0253
20	1.1639	1.3723	0.0353	0.1411	0.2248	0.0260

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0449	7.0274	0.0077	0.0307	0.0876	0.0155
2	0.3701	3.2382	0.0306	0.1224	0.2225	0.0393
3	0.6063	2.4229	0.0403	0.1609	0.2484	0.0438
4	0.7605	2.0729	0.0432	0.1729	0.2489	0.0439
5	0.8674	1.8781	0.0442	0.1770	0.2460	0.0434
6	0.9446	1.7559	0.0444	0.1778	0.2420	0.0427
7	1.0031	1.6720	0.0446	0.1785	0.2394	0.0422
8	1.0486	1.6114	0.0446	0.1786	0.2370	0.0418
9	1.0849	1.5657	0.0447	0.1790	0.2357	0.0416
10	1.1144	1.5302	0.0448	0.1791	0.2346	0.0414
11	1.1387	1.5021	0.0448	0.1792	0.2337	0.0412
12	1.1590	1.4793	0.0448	0.1792	0.2330	0.0411
13	1.1761	1.4606	0.0448	0.1793	0.2325	0.0410
14	1.1907	1.4449	0.0448	0.1794	0.2328	0.0411
15	1.2032	1.4317	0.0448	0.1794	0.2328	0.0411
16	1.2143	1.4202	0.0451	0.1806	0.2339	0.0413
17	1.2240	1.4104	0.0452	0.1807	0.2340	0.0413
18	1.2324	1.4020	0.0452	0.1806	0.2345	0.0414
19	1.2395	1.3949	0.0446	0.1784	0.2325	0.0410
20	1.2457	1.3886	0.0445	0.1782	0.2323	0.0410

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.0 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0902	6.0447	0.0151	0.0606	0.1231	0.0308
2	0.5049	2.8932	0.0482	0.1929	0.2685	0.0671
3	0.7434	2.2523	0.0548	0.2188	0.2725	0.0679
4	0.8939	1.9661	0.0567	0.2271	0.2694	0.0673
5	0.9947	1.8070	0.0569	0.2279	0.2637	0.0659
6	1.0659	1.7070	0.0568	0.2271	0.2590	0.0648
7	1.1185	1.6389	0.0566	0.2263	0.2555	0.0639
8	1.1588	1.5899	0.0564	0.2258	0.2530	0.0632
9	1.1904	1.5530	0.0564	0.2257	0.2514	0.0628
10	1.2157	1.5247	0.0564	0.2256	0.2500	0.0625
11	1.2363	1.5023	0.0564	0.2256	0.2491	0.0623
12	1.2533	1.4843	0.0564	0.2255	0.2486	0.0621
13	1.2673	1.4697	0.0562	0.2249	0.2477	0.0619
14	1.2791	1.4576	0.0562	0.2247	0.2471	0.0618
15	1.2891	1.4474	0.0562	0.2246	0.2466	0.0617
16	1.2978	1.4387	0.0564	0.2255	0.2471	0.0618
17	1.3053	1.4313	0.0564	0.2256	0.2469	0.0617
18	1.3119	1.4249	0.0566	0.2263	0.2480	0.0620
19	1.3177	1.4194	0.0566	0.2264	0.2483	0.0621
20	1.3227	1.4147	0.0566	0.2263	0.2493	0.0621

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0069	11.9597	0.0003	0.0048	0.0363	0.0019
2	0.1747	5.3161	0.0019	0.0352	0.1232	0.0065
3	0.4110	3.6251	0.0045	0.0847	0.1916	0.0101
4	0.5924	2.9436	0.0061	0.1160	0.2123	0.0112
5	0.7289	2.5746	0.0071	0.1342	0.2194	0.0115
6	0.8321	2.3480	0.0075	0.1434	0.2194	0.0115
7	0.9142	2.1928	0.0079	0.1508	0.2201	0.0116
8	0.9791	2.0827	0.0081	0.1536	0.2180	0.0115
9	1.0325	1.9993	0.0082	0.1564	0.2172	0.0114
10	1.0771	1.9343	0.0083	0.1585	0.2163	0.0114
11	1.1148	1.8825	0.0084	0.1599	0.2156	0.0113
12	1.1469	1.8403	0.0085	0.1607	0.2147	0.0113
13	1.1757	1.8046	0.0086	0.1636	0.2156	0.0113
14	1.2005	1.7749	0.0086	0.1641	0.2147	0.0113
15	1.2228	1.7494	0.0087	0.1661	0.2150	0.0113
16	1.2432	1.7271	0.0089	0.1692	0.2159	0.0114
17	1.2615	1.7079	0.0090	0.1705	0.2168	0.0114
18	1.2786	1.6909	0.0092	0.1740	0.2186	0.0115
19	1.2933	1.6766	0.0091	0.1732	0.2174	0.0114
20	1.3065	1.6641	0.0091	0.1731	0.2183	0.0115

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.05 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0240	10.1717	0.0009	0.0165	0.0596	0.0066
2	0.3115	4.5578	0.0050	0.0943	0.1730	0.0192
3	0.5908	3.2896	0.0086	0.1642	0.2226	0.0247
4	0.7819	2.7535	0.0101	0.1927	0.2290	0.0254
5	0.9191	2.4591	0.0109	0.2063	0.2288	0.0254
6	1.0201	2.2762	0.0111	0.2117	0.2252	0.0250
7	1.0985	2.1509	0.0114	0.2158	0.2228	0.0248
8	1.1600	2.0609	0.0114	0.2171	0.2198	0.0244
9	1.2099	1.9929	0.0115	0.2183	0.2176	0.0242
10	1.2509	1.9401	0.0115	0.2187	0.2153	0.0239
11	1.2854	1.8975	0.0116	0.2195	0.2140	0.0238
12	1.3147	1.8634	0.0116	0.2199	0.2127	0.0236
13	1.3397	1.8349	0.0116	0.2201	0.2116	0.0235
14	1.3614	1.8109	0.0116	0.2204	0.2107	0.0234
15	1.3804	1.7905	0.0116	0.2206	0.2098	0.0233
16	1.3970	1.7730	0.0116	0.2206	0.2090	0.0232
17	1.4117	1.7578	0.0116	0.2207	0.2083	0.0231
18	1.4247	1.7445	0.0116	0.2208	0.2077	0.0231
19	1.4364	1.7329	0.0116	0.2209	0.2078	0.0231
20	1.4469	1.7225	0.0116	0.2209	0.2076	0.0231

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0518	9.0733	0.0019	0.0353	0.0808	0.0143
2	0.4455	4.1955	0.0086	0.1640	0.2076	0.0366
3	0.7391	3.1402	0.0117	0.2299	0.2326	0.0409
4	0.9388	2.6698	0.0134	0.2591	0.2336	0.0420
5	1.0752	2.4156	0.0139	0.2667	0.2333	0.0413
6	1.1736	2.2575	0.0141	0.2686	0.2285	0.0403
7	1.2486	2.1494	0.0142	0.2703	0.2249	0.0397
8	1.3070	2.0715	0.0142	0.2703	0.2216	0.0391
9	1.3538	2.0128	0.0142	0.2705	0.2193	0.0387
10	1.3920	1.9672	0.0142	0.2705	0.2174	0.0384
11	1.4237	1.9309	0.0142	0.2704	0.2158	0.0381
12	1.4504	1.9014	0.0142	0.2703	0.2145	0.0379
13	1.4731	1.8770	0.0142	0.2702	0.2135	0.0377
14	1.4925	1.8565	0.0142	0.2702	0.2126	0.0375
15	1.5094	1.8391	0.0142	0.2702	0.2118	0.0374
16	1.5242	1.8243	0.0142	0.2702	0.2112	0.0373
17	1.5371	1.8114	0.0142	0.2702	0.2106	0.0372
18	1.5485	1.8002	0.0142	0.2703	0.2100	0.0371
19	1.5587	1.7904	0.0142	0.2703	0.2096	0.0370
20	1.5678	1.7817	0.0142	0.2702	0.2090	0.0369

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.05 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0926	8.2559	0.0033	0.0622	0.1014	0.0253
2	0.5843	3.9224	0.0126	0.2397	0.2342	0.0586
3	0.8843	3.0371	0.0148	0.2914	0.2402	0.0595
4	1.0876	2.6214	0.0165	0.3198	0.2448	0.0612
5	1.2211	2.3991	0.0168	0.3211	0.2369	0.0592
6	1.3163	2.2600	0.0168	0.3210	0.2312	0.0578
7	1.3877	2.1649	0.0168	0.3209	0.2269	0.0567
8	1.4427	2.0966	0.0168	0.3199	0.2231	0.0558
9	1.4865	2.0451	0.0168	0.3196	0.2206	0.0551
10	1.5219	2.0052	0.0168	0.3193	0.2185	0.0546
11	1.5512	1.9734	0.0168	0.3193	0.2169	0.0542
12	1.5756	1.9477	0.0168	0.3192	0.2155	0.0539
13	1.5963	1.9265	0.0168	0.3193	0.2144	0.0536
14	1.6139	1.9088	0.0168	0.3193	0.2134	0.0533
15	1.6291	1.8940	0.0168	0.3193	0.2125	0.0531
16	1.6422	1.8813	0.0168	0.3194	0.2117	0.0529
17	1.6537	1.8704	0.0168	0.3195	0.2111	0.0528
18	1.6637	1.8609	0.0168	0.3197	0.2104	0.0526
19	1.6726	1.8527	0.0168	0.3198	0.2099	0.0525
20	1.6805	1.8454	0.0168	0.3199	0.2094	0.0523

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0113	10.1655	0.0009	0.0078	0.0597	0.0031
2	0.2121	4.5205	0.0055	0.0494	0.1799	0.0095
3	0.4469	3.1559	0.0108	0.0970	0.2445	0.0129
4	0.6182	2.5979	0.0136	0.1224	0.2584	0.0136
5	0.7445	2.2931	0.0151	0.1356	0.2618	0.0138
6	0.8389	2.1046	0.0157	0.1417	0.2598	0.0137
7	0.9129	1.9756	0.0162	0.1462	0.2585	0.0136
8	0.9723	1.8823	0.0166	0.1492	0.2573	0.0135
9	1.0206	1.8123	0.0168	0.1512	0.2560	0.0135
10	1.0610	1.7575	0.0170	0.1532	0.2557	0.0135
11	1.0960	1.7131	0.0174	0.1564	0.2569	0.0135
12	1.1253	1.6777	0.0174	0.1570	0.2559	0.0135
13	1.1503	1.6487	0.0175	0.1573	0.2559	0.0135
14	1.1718	1.6245	0.0175	0.1574	0.2558	0.0135
15	1.1923	1.6026	0.0181	0.1628	0.2598	0.0137
16	1.2098	1.5846	0.0181	0.1629	0.2596	0.0137
17	1.2249	1.5694	0.0180	0.1622	0.2598	0.0137
18	1.2374	1.5568	0.0177	0.1591	0.2567	0.0135
19	1.2487	1.5456	0.0177	0.1590	0.2567	0.0135
20	1.2593	1.5352	0.0179	0.1609	0.2609	0.0137

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0394	8.3828	0.0030	0.0270	0.0979	0.0109
2	0.3744	3.8336	0.0139	0.1255	0.2450	0.0272
3	0.6396	2.8323	0.0200	0.1810	0.2789	0.0309
4	0.8168	2.4050	0.0223	0.2015	0.2799	0.0311
5	0.9406	2.1698	0.0232	0.2093	0.2763	0.0307
6	1.0308	2.0228	0.0235	0.2120	0.2716	0.0302
7	1.0995	1.9224	0.0237	0.2137	0.2679	0.0298
8	1.1534	1.8499	0.0238	0.2146	0.2651	0.0295
9	1.1966	1.7953	0.0239	0.2153	0.2630	0.0292
10	1.2319	1.7531	0.0239	0.2156	0.2612	0.0290
11	1.2611	1.7195	0.0240	0.2158	0.2599	0.0289
12	1.2857	1.6923	0.0240	0.2159	0.2589	0.0288
13	1.3065	1.6698	0.0240	0.2160	0.2580	0.0287
14	1.3248	1.6507	0.0242	0.2176	0.2586	0.0287
15	1.3406	1.6347	0.0242	0.2179	0.2589	0.0288
16	1.3544	1.6211	0.0242	0.2182	0.2590	0.0288
17	1.3664	1.6094	0.0242	0.2181	0.2588	0.0288
18	1.3769	1.5993	0.0242	0.2179	0.2585	0.0287
19	1.3861	1.5905	0.0242	0.2176	0.2593	0.0288
20	1.3943	1.5828	0.0241	0.2170	0.2589	0.0288

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0853	7.2931	0.0064	0.0574	0.1324	0.0234
2	0.5326	3.4554	0.0233	0.2099	0.2879	0.0508
3	0.8075	2.6646	0.0279	0.2534	0.2951	0.0520
4	0.9848	2.3114	0.0298	0.2695	0.2929	0.0516
5	1.1043	2.1169	0.0302	0.2726	0.2860	0.0505
6	1.1894	1.9953	0.0302	0.2726	0.2800	0.0494
7	1.2528	1.9125	0.0302	0.2724	0.2756	0.0486
8	1.3019	1.8528	0.0302	0.2724	0.2725	0.0481
9	1.3406	1.8080	0.0302	0.2724	0.2700	0.0477
10	1.3719	1.7734	0.0302	0.2723	0.2682	0.0473
11	1.3976	1.7460	0.0303	0.2726	0.2671	0.0471
12	1.4190	1.7239	0.0303	0.2728	0.2660	0.0469
13	1.4370	1.7058	0.0303	0.2729	0.2651	0.0468
14	1.4522	1.6908	0.0303	0.2730	0.2644	0.0467
15	1.4652	1.6782	0.0303	0.2731	0.2642	0.0466
16	1.4764	1.6675	0.0303	0.2729	0.2637	0.0465
17	1.4861	1.6584	0.0303	0.2729	0.2632	0.0464
18	1.4946	1.6505	0.0304	0.2732	0.2631	0.0464
19	1.5021	1.6436	0.0304	0.2733	0.2628	0.0464
20	1.5087	1.6376	0.0304	0.2733	0.2625	0.0463

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1524	6.4886	0.0111	0.1002	0.1655	0.0414
2	0.6965	3.2035	0.0330	0.2970	0.3194	0.0799
3	0.9713	2.5607	0.0352	0.3203	0.3062	0.0762
4	1.1460	2.2607	0.0368	0.3337	0.3029	0.0757
5	1.2594	2.0968	0.0368	0.3323	0.2940	0.0735
6	1.3387	1.9942	0.0367	0.3308	0.2877	0.0719
7	1.3968	1.9245	0.0366	0.3297	0.2833	0.0708
8	1.4409	1.8747	0.0365	0.3288	0.2799	0.0700
9	1.4751	1.8376	0.0364	0.3282	0.2775	0.0694
10	1.5024	1.8092	0.0364	0.3279	0.2756	0.0689
11	1.5245	1.7868	0.0364	0.3278	0.2741	0.0685
12	1.5426	1.7689	0.0364	0.3278	0.2730	0.0682
13	1.5576	1.7544	0.0364	0.3279	0.2721	0.0680
14	1.5702	1.7424	0.0365	0.3281	0.2713	0.0678
15	1.5809	1.7324	0.0365	0.3283	0.2707	0.0677
16	1.5900	1.7240	0.0365	0.3285	0.2701	0.0675
17	1.5978	1.7168	0.0365	0.3286	0.2695	0.0674
18	1.6046	1.7107	0.0365	0.3288	0.2690	0.0672
19	1.6105	1.7055	0.0366	0.3293	0.2692	0.0673
20	1.6157	1.7009	0.0366	0.3301	0.2694	0.0673

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0155	9.0552	0.0019	0.0107	0.0812	0.0043
2	0.2376	4.0360	0.0106	0.0599	0.2247	0.0118
3	0.4677	2.8646	0.0135	0.1046	0.2821	0.0148
4	0.6314	2.3785	0.0221	0.1252	0.2919	0.0154
5	0.7505	2.1115	0.0239	0.1355	0.2930	0.0154
6	0.8388	1.9458	0.0247	0.1399	0.2899	0.0153
7	0.9073	1.8325	0.0252	0.1430	0.2881	0.0152
8	0.9616	1.7508	0.0255	0.1447	0.2860	0.0150
9	1.0057	1.6891	0.0258	0.1462	0.2947	0.0150
10	1.0431	1.6403	0.0263	0.1489	0.2955	0.0150
11	1.0742	1.6018	0.0265	0.1500	0.2847	0.0150
12	1.1002	1.5709	0.0265	0.1501	0.2844	0.0150
13	1.1219	1.5458	0.0263	0.1492	0.2842	0.0150
14	1.1426	1.5232	0.0273	0.1548	0.2897	0.0152
15	1.1601	1.5046	0.0273	0.1542	0.2883	0.0152
16	1.1756	1.4888	0.0276	0.1562	0.2909	0.0153
17	1.1909	1.4741	0.0288	0.1630	0.3026	0.0159
18	1.2033	1.4624	0.0284	0.1609	0.3018	0.0159
19	1.2134	1.4528	0.0278	0.1575	0.2996	0.0158
20	1.2219	1.4447	0.0272	0.1544	0.3022	0.0159

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0537	7.2775	0.0064	0.0365	0.1330	0.0148
2	0.4162	3.3680	0.0259	0.1468	0.3001	0.0333
3	0.6691	2.5380	0.0336	0.1906	0.3199	0.0355
4	0.8347	2.1771	0.0363	0.2059	0.3186	0.0354
5	0.9486	1.9779	0.0371	0.2107	0.3132	0.0348
6	1.0307	1.8532	0.0374	0.2121	0.3077	0.0342
7	1.0925	1.7682	0.0375	0.2129	0.3038	0.0338
8	1.1403	1.7070	0.0376	0.2131	0.3007	0.0334
9	1.1785	1.6610	0.0377	0.2136	0.2988	0.0332
10	1.2093	1.6255	0.0377	0.2137	0.2971	0.0330
11	1.2351	1.5971	0.0380	0.2152	0.2971	0.0330
12	1.2566	1.5742	0.0380	0.2155	0.2964	0.0329
13	1.2746	1.5556	0.0380	0.2156	0.2966	0.0330
14	1.2898	1.5401	0.0380	0.2153	0.2959	0.0329
15	1.3027	1.5273	0.0378	0.2143	0.2959	0.0329
16	1.3138	1.5163	0.0379	0.2145	0.2964	0.0329
17	1.3235	1.5068	0.0378	0.2141	0.2961	0.0329
18	1.3319	1.4987	0.0377	0.2137	0.2959	0.0329
19	1.3396	1.4913	0.0381	0.2158	0.2981	0.0331
20	1.3470	1.4847	0.0388	0.2201	0.3055	0.0339

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1161	6.1959	0.0136	0.0773	0.1794	0.0317
2	0.5897	3.0034	0.0422	0.2393	0.3482	0.0615
3	0.8465	2.3661	0.0468	0.2661	0.3411	0.0601
4	1.0081	2.0776	0.0487	0.2766	0.3361	0.0593
5	1.1149	1.9186	0.0489	0.2773	0.3280	0.0579
6	1.1900	1.8192	0.0488	0.2767	0.3222	0.0569
7	1.2451	1.7513	0.0487	0.2760	0.3176	0.0561
8	1.2869	1.7037	0.0486	0.2755	0.3143	0.0555
9	1.3194	1.6678	0.0485	0.2751	0.3118	0.0550
10	1.3453	1.6403	0.0485	0.2750	0.3100	0.0547
11	1.3663	1.6187	0.0485	0.2751	0.3086	0.0545
12	1.3838	1.6012	0.0488	0.2765	0.3093	0.0546
13	1.3983	1.5871	0.0489	0.2771	0.3094	0.0546
14	1.4105	1.5755	0.0489	0.2772	0.3090	0.0545
15	1.4207	1.5659	0.0489	0.2773	0.3087	0.0545
16	1.4294	1.5578	0.0490	0.2774	0.3083	0.0544
17	1.4369	1.5509	0.0490	0.2774	0.3089	0.0545
18	1.4433	1.5451	0.0489	0.2772	0.3086	0.0545
19	1.4487	1.5401	0.0487	0.2761	0.3081	0.0544
20	1.4536	1.5358	0.0488	0.2771	0.3094	0.0546

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2074	5.4029	0.0236	0.1339	0.2236	0.0559
2	0.7697	2.7632	0.0586	0.3319	0.3826	0.0957
3	1.0221	2.2580	0.0594	0.3380	0.3570	0.0892
4	1.1753	2.0235	0.0605	0.3440	0.3502	0.0876
5	1.2731	1.8947	0.0602	0.3419	0.3416	0.0854
6	1.3403	1.8145	0.0600	0.3405	0.3359	0.0840
7	1.3882	1.7608	0.0598	0.3391	0.3316	0.0829
8	1.4239	1.7228	0.0597	0.3387	0.3288	0.0822
9	1.4511	1.6948	0.0597	0.3385	0.3268	0.0817
10	1.4725	1.6736	0.0598	0.3391	0.3257	0.0814
11	1.4894	1.6573	0.0599	0.3395	0.3248	0.0812
12	1.5030	1.6444	0.0600	0.3398	0.3246	0.0811
13	1.5141	1.6341	0.0600	0.3399	0.3240	0.0810
14	1.5230	1.6259	0.0598	0.3391	0.3230	0.0807
15	1.5305	1.6191	0.0599	0.3392	0.3225	0.0806
16	1.5367	1.6134	0.0599	0.3393	0.3221	0.0805
17	1.5420	1.6087	0.0598	0.3394	0.3216	0.0804
18	1.5465	1.6047	0.0599	0.3405	0.3221	0.0805
19	1.5504	1.6014	0.0594	0.3405	0.3213	0.0803
20	1.5536	1.5988	0.0582	0.3395	0.3189	0.0797

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0195	8.2197	0.0034	0.0134	0.1024	0.0054
2	0.2576	3.6750	0.0171	0.0685	0.2640	0.0139
3	0.4823	2.6433	0.0273	0.1093	0.3135	0.0165
4	0.6396	2.2083	0.0317	0.1270	0.3208	0.0169
5	0.7525	1.9693	0.0338	0.1350	0.3200	0.0168
6	0.8367	1.8194	0.0348	0.1393	0.3177	0.0167
7	0.9004	1.7185	0.0351	0.1406	0.3137	0.0165
8	0.9517	1.6443	0.0359	0.1434	0.3135	0.0165
9	0.9928	1.5890	0.0361	0.1443	0.3117	0.0164
10	1.0263	1.5463	0.0362	0.1447	0.3103	0.0163
11	1.0541	1.5123	0.0363	0.1453	0.3105	0.0163
12	1.0775	1.4848	0.0364	0.1455	0.3103	0.0163
13	1.0984	1.4614	0.0371	0.1484	0.3133	0.0165
14	1.1173	1.4411	0.0381	0.1524	0.3203	0.0169
15	1.1348	1.4233	0.0394	0.1577	0.3277	0.0172
16	1.1486	1.4096	0.0387	0.1549	0.3255	0.0171
17	1.1598	1.3985	0.0380	0.1518	0.3270	0.0172
18	1.1695	1.3889	0.0376	0.1503	0.3268	0.0172
19	1.1777	1.3807	0.0370	0.1481	0.3247	0.0171
20	1.1849	1.3735	0.0366	0.1463	0.3360	0.0177

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0677	6.4470	0.0115	0.0458	0.1674	0.0185
2	0.4494	3.0202	0.0408	0.1634	0.2475	0.0385
3	0.6894	2.3122	0.0492	0.1969	0.3555	0.0395
4	0.8449	1.9891	0.0522	0.2090	0.3527	0.0392
5	0.9503	1.8263	0.0529	0.2119	0.3461	0.0384
6	1.0260	1.7178	0.0533	0.2133	0.3415	0.0379
7	1.0816	1.6447	0.0532	0.2127	0.3367	0.0374
8	1.1247	1.5918	0.0533	0.2134	0.3345	0.0372
9	1.1585	1.5525	0.0532	0.2132	0.3322	0.0369
10	1.1856	1.5223	0.0533	0.2133	0.3306	0.0367
11	1.2077	1.4983	0.0535	0.2139	0.3308	0.0368
12	1.2261	1.4791	0.0535	0.2140	0.3306	0.0367
13	1.2413	1.4634	0.0535	0.2140	0.3302	0.0367
14	1.2541	1.4505	0.0534	0.2137	0.3295	0.0366
15	1.2655	1.4394	0.0541	0.2163	0.3351	0.0372
16	1.2755	1.4298	0.0546	0.2185	0.3390	0.0377
17	1.2838	1.4221	0.0542	0.2167	0.3388	0.0376
18	1.2906	1.4156	0.0536	0.2144	0.3365	0.0374
19	1.2966	1.4099	0.0534	0.2135	0.3347	0.0373
20	1.3021	1.4048	0.0538	0.2153	0.3356	0.0373

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1464	5.3733	0.0241	0.0965	0.2254	0.0398
2	0.6333	2.6644	0.0653	0.2610	0.3996	0.0705
3	0.8730	2.1351	0.0687	0.2753	0.3815	0.0673
4	1.0205	1.8935	0.0705	0.2823	0.3751	0.0662
5	1.1162	1.7607	0.0704	0.2817	0.3669	0.0647
6	1.1825	1.6778	0.0703	0.2811	0.3612	0.0637
7	1.2305	1.6221	0.0702	0.2809	0.3576	0.0631
8	1.2665	1.5825	0.0702	0.2810	0.3552	0.0627
9	1.2942	1.5534	0.0703	0.2811	0.3534	0.0624
10	1.3158	1.5314	0.0703	0.2811	0.3519	0.0621
11	1.3330	1.5143	0.0703	0.2812	0.3517	0.0621
12	1.3468	1.5008	0.0703	0.2811	0.3510	0.0619
13	1.3583	1.4899	0.0704	0.2818	0.3520	0.0621
14	1.3676	1.4811	0.0703	0.2812	0.3516	0.0620
15	1.3754	1.4739	0.0703	0.2812	0.3516	0.0620
16	1.3819	1.4678	0.0703	0.2812	0.3515	0.0620
17	1.3874	1.4627	0.0702	0.2811	0.3512	0.0620
18	1.3921	1.4584	0.0702	0.2809	0.3507	0.0619
19	1.3963	1.4547	0.0707	0.2833	0.3554	0.0627
20	1.3999	1.4516	0.0703	0.2829	0.3554	0.0627

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 2.5 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2617	4.5915	0.0415	0.1659	0.2800	0.0700
2	0.8249	2.4314	0.0892	0.3568	0.4363	0.1091
3	1.0548	2.0239	0.0876	0.3511	0.4025	0.1006
4	1.1894	1.8358	0.0883	0.3537	0.3945	0.0986
5	1.2732	1.7332	0.0877	0.3511	0.3863	0.0966
6	1.3292	1.6701	0.0874	0.3499	0.3815	0.0954
7	1.3684	1.6285	0.0873	0.3494	0.3786	0.0946
8	1.3968	1.5995	0.0873	0.3493	0.3768	0.0942
9	1.4180	1.5786	0.0874	0.3495	0.3756	0.0939
10	1.4340	1.5631	0.0874	0.3498	0.3747	0.0937
11	1.4464	1.5513	0.0875	0.3501	0.3741	0.0935
12	1.4562	1.5423	0.0876	0.3504	0.3735	0.0934
13	1.4639	1.5351	0.0877	0.3508	0.3730	0.0932
14	1.4702	1.5295	0.0878	0.3511	0.3724	0.0931
15	1.4753	1.5249	0.0878	0.3515	0.3731	0.0933
16	1.4794	1.5213	0.0874	0.3513	0.3723	0.0931
17	1.4827	1.5184	0.0861	0.3504	0.3699	0.0925
18	1.4854	1.5163	0.0825	0.3473	0.3640	0.0910
19	1.4875	1.5150	0.0748	0.3410	0.3508	0.0877
20	1.4892	1.5142	0.0671	0.3360	0.3387	0.0847

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0208	10.3766	0.0008	0.0143	0.0909	0.0048
2	0.2946	4.6633	0.0045	0.0862	0.2398	0.0126
3	0.5696	3.3200	0.0081	0.1544	0.2965	0.0156
4	0.7619	2.7674	0.0098	0.1854	0.3032	0.0160
5	0.9010	2.4650	0.0106	0.2008	0.3022	0.0159
6	1.0040	2.2778	0.0109	0.2076	0.2976	0.0157
7	1.0838	2.1503	0.0112	0.2121	0.2943	0.0155
8	1.1472	2.0585	0.0113	0.2148	0.2913	0.0153
9	1.1987	1.9894	0.0114	0.2169	0.2890	0.0152
10	1.2412	1.9359	0.0115	0.2182	0.2871	0.0151
11	1.2779	1.8926	0.0117	0.2216	0.2876	0.0151
12	1.3090	1.8577	0.0117	0.2229	0.2867	0.0151
13	1.3356	1.8291	0.0118	0.2234	0.2857	0.0150
14	1.3583	1.8054	0.0118	0.2236	0.2857	0.0150
15	1.3780	1.7853	0.0118	0.2234	0.2849	0.0150
16	1.3959	1.7678	0.0119	0.2259	0.2874	0.0151
17	1.4120	1.7526	0.0120	0.2280	0.2874	0.0151
18	1.4262	1.7396	0.0120	0.2282	0.2863	0.0151
19	1.4386	1.7283	0.0120	0.2279	0.2852	0.0150
20	1.4500	1.7183	0.0121	0.2293	0.2877	0.0151

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.05 BETA = 0.10

THE RESLLTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0637	8.7810	0.0023	0.0432	0.1315	0.0146
2	0.4949	4.0850	0.0101	0.1910	0.2949	0.0328
3	0.8006	3.0705	0.0137	0.2596	0.3171	0.0352
4	0.9988	2.6377	0.0149	0.2825	0.3132	0.0348
5	1.1357	2.3993	0.0153	0.2909	0.3065	0.0341
6	1.2346	2.2505	0.0154	0.2935	0.2995	0.0333
7	1.3096	2.1492	0.0155	0.2950	0.2951	0.0328
8	1.3681	2.0762	0.0156	0.2959	0.2911	0.0323
9	1.4149	2.0213	0.0156	0.2965	0.2882	0.0320
10	1.4530	1.9790	0.0156	0.2969	0.2857	0.0317
11	1.4845	1.9453	0.0156	0.2973	0.2838	0.0315
12	1.5110	1.9182	0.0157	0.2976	0.2823	0.0314
13	1.5335	1.8958	0.0157	0.2980	0.2811	0.0312
14	1.5527	1.8772	0.0157	0.2983	0.2801	0.0311
15	1.5693	1.8615	0.0157	0.2985	0.2797	0.0311
16	1.5837	1.8481	0.0157	0.2987	0.2793	0.0310
17	1.5965	1.8366	0.0158	0.3000	0.2796	0.0311
18	1.6078	1.8266	0.0158	0.3004	0.2795	0.0311
19	1.6178	1.8179	0.0158	0.3005	0.2792	0.0310
20	1.6266	1.8103	0.0158	0.3006	0.2788	0.0310

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1275	7.8113	0.0045	0.0846	0.1645	0.0290
2	0.6849	3.7772	0.0155	0.2943	0.3274	0.0578
3	0.9960	2.9749	0.0173	0.3403	0.3195	0.0564
4	1.1987	2.5996	0.0187	0.3626	0.3185	0.0562
5	1.3321	2.3960	0.0190	0.3642	0.3089	0.0545
6	1.4265	2.2692	0.0191	0.3637	0.3016	0.0532
7	1.4965	2.1832	0.0191	0.3633	0.2962	0.0523
8	1.5503	2.1215	0.0191	0.3630	0.2921	0.0515
9	1.5927	2.0754	0.0191	0.3629	0.2890	0.0510
10	1.6268	2.0400	0.0191	0.3629	0.2866	0.0506
11	1.6548	2.0120	0.0191	0.3633	0.2849	0.0503
12	1.6780	1.9895	0.0191	0.3635	0.2835	0.0500
13	1.6975	1.9712	0.0191	0.3638	0.2823	0.0498
14	1.7140	1.9560	0.0192	0.3641	0.2813	0.0496
15	1.7282	1.9433	0.0192	0.3644	0.2804	0.0495
16	1.7403	1.9326	0.0192	0.3646	0.2799	0.0494
17	1.7508	1.9234	0.0192	0.3647	0.2793	0.0493
18	1.7600	1.9156	0.0192	0.3649	0.2796	0.0492
19	1.7679	1.9088	0.0192	0.3645	0.2778	0.0490
20	1.7750	1.9029	0.0192	0.3646	0.2773	0.0489

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.05 BETA = 0.20

THE RESLLTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2150	7.1002	0.0073	0.1385	0.1939	0.0485
2	0.8786	3.5810	0.0207	0.3925	0.3492	0.0873
3	1.1891	2.9176	0.0228	0.4132	0.3223	0.0806
4	1.3889	2.5932	0.0222	0.4316	0.3207	0.0802
5	1.5172	2.4169	0.0224	0.4295	0.3106	0.0776
6	1.6061	2.3074	0.0224	0.4272	0.3034	0.0758
7	1.6709	2.2334	0.0223	0.4258	0.2981	0.0745
8	1.7199	2.1807	0.0223	0.4248	0.2941	0.0735
9	1.7579	2.1416	0.0223	0.4243	0.2911	0.0728
10	1.7881	2.1117	0.0223	0.4242	0.2888	0.0722
11	1.8125	2.0883	0.0223	0.4243	0.2870	0.0717
12	1.8324	2.0697	0.0223	0.4245	0.2855	0.0714
13	1.8490	2.0545	0.0224	0.4247	0.2843	0.0711
14	1.8629	2.0421	0.0224	0.4250	0.2832	0.0708
15	1.8746	2.0318	0.0224	0.4254	0.2823	0.0706
16	1.8846	2.0232	0.0224	0.4257	0.2816	0.0704
17	1.8931	2.0159	0.0224	0.4260	0.2809	0.0702
18	1.9006	2.0097	0.0224	0.4263	0.2802	0.0701
19	1.9070	2.0044	0.0224	0.4265	0.2795	0.0699
20	1.9126	1.9999	0.0223	0.4266	0.2787	0.0697

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0302	8.7643	0.0023	0.0207	0.1320	0.0069
2	0.3344	3.9632	0.0117	0.1053	0.3098	0.0163
3	0.5956	2.8895	0.0179	0.1618	0.3500	0.0184
4	0.7740	2.4357	0.0205	0.1852	0.3522	0.0185
5	0.9005	2.1865	0.0217	0.1954	0.3484	0.0183
6	0.9940	2.0309	0.0223	0.2005	0.3437	0.0181
7	1.0657	1.9251	0.0226	0.2036	0.3403	0.0179
8	1.1220	1.8491	0.0228	0.2055	0.3376	0.0178
9	1.1672	1.7923	0.0229	0.2066	0.3355	0.0177
10	1.2040	1.7485	0.0230	0.2071	0.3338	0.0176
11	1.2345	1.7137	0.0230	0.2074	0.3324	0.0175
12	1.2602	1.6856	0.0231	0.2078	0.3311	0.0174
13	1.2835	1.6614	0.0236	0.2126	0.3359	0.0177
14	1.3047	1.6408	0.0242	0.2182	0.3435	0.0181
15	1.3222	1.6244	0.0241	0.2170	0.3435	0.0181
16	1.3374	1.6105	0.0242	0.2180	0.3441	0.0181
17	1.3502	1.5989	0.0240	0.2160	0.3457	0.0182
18	1.3611	1.5891	0.0238	0.2143	0.3451	0.0182
19	1.3706	1.5805	0.0237	0.2133	0.3442	0.0181
20	1.3784	1.5732	0.0232	0.2085	0.3420	0.0180

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0926	7.1783	0.0069	0.0621	0.1904	0.0212
2	0.5567	3.4118	0.0247	0.2232	0.3728	0.0414
3	0.8370	2.6388	0.0295	0.2678	0.3738	0.0416
4	1.0161	2.2960	0.0314	0.2837	0.3683	0.0409
5	1.1367	2.1076	0.0319	0.2873	0.3597	0.0400
6	1.2229	1.9897	0.0321	0.2888	0.3536	0.0393
7	1.2870	1.9100	0.0321	0.2892	0.3487	0.0387
8	1.3357	1.8533	0.0320	0.2883	0.3442	0.0382
9	1.3743	1.8108	0.0321	0.2890	0.3420	0.0380
10	1.4053	1.7781	0.0321	0.2892	0.3400	0.0378
11	1.4305	1.7523	0.0321	0.2894	0.3384	0.0376
12	1.4516	1.7316	0.0322	0.2900	0.3383	0.0376
13	1.4691	1.7148	0.0323	0.2903	0.3380	0.0376
14	1.4840	1.7008	0.0323	0.2905	0.3376	0.0375
15	1.4966	1.6892	0.0323	0.2906	0.3371	0.0375
16	1.5074	1.6794	0.0323	0.2905	0.3364	0.0374
17	1.5167	1.6710	0.0323	0.2905	0.3376	0.0375
18	1.5251	1.6637	0.0325	0.2925	0.3402	0.0378
19	1.5323	1.6575	0.0325	0.2922	0.3409	0.0379
20	1.5387	1.6520	0.0326	0.2931	0.3433	0.0381

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1853	6.2225	0.0134	0.1205	0.2375	0.0419
2	0.7690	3.1190	0.0372	0.3346	0.4092	0.0722
3	1.0432	2.5208	0.0389	0.3541	0.3849	0.0679
4	1.2230	2.2435	0.0403	0.3650	0.3781	0.0667
5	1.3355	2.0917	0.0404	0.3643	0.3684	0.0650
6	1.4136	1.9973	0.0403	0.3635	0.3615	0.0638
7	1.4704	1.9337	0.0403	0.3632	0.3571	0.0630
8	1.5130	1.8868	0.0403	0.3626	0.3534	0.0624
9	1.5459	1.8555	0.0403	0.3631	0.3513	0.0620
10	1.5719	1.8303	0.0404	0.3634	0.3497	0.0617
11	1.5927	1.8108	0.0404	0.3637	0.3483	0.0615
12	1.6096	1.7953	0.0404	0.3640	0.3472	0.0613
13	1.6234	1.7829	0.0405	0.3643	0.3462	0.0611
14	1.6349	1.7727	0.0405	0.3646	0.3461	0.0611
15	1.6445	1.7644	0.0405	0.3646	0.3455	0.0610
16	1.6526	1.7574	0.0405	0.3647	0.3449	0.0609
17	1.6595	1.7516	0.0405	0.3644	0.3443	0.0608
18	1.6653	1.7467	0.0404	0.3641	0.3434	0.0606
19	1.6704	1.7424	0.0404	0.3642	0.3441	0.0607
20	1.6748	1.7389	0.0402	0.3653	0.3436	0.0606

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.3126	5.5300	0.0216	0.1948	0.2787	0.0697
2	0.9853	2.9390	0.0485	0.4364	0.4324	0.1081
3	1.2578	2.4600	0.0472	0.4320	0.3927	0.0982
4	1.4217	2.2323	0.0483	0.4387	0.3856	0.0964
5	1.5244	2.1081	0.0482	0.4357	0.3759	0.0940
6	1.5936	2.0316	0.0481	0.4340	0.3701	0.0925
7	1.6424	1.9809	0.0480	0.4325	0.3658	0.0914
8	1.6781	1.9455	0.0480	0.4319	0.3628	0.0907
9	1.7050	1.9197	0.0480	0.4318	0.3608	0.0902
10	1.7257	1.9004	0.0480	0.4320	0.3592	0.0898
11	1.7419	1.8857	0.0480	0.4324	0.3580	0.0895
12	1.7548	1.8742	0.0481	0.4328	0.3571	0.0893
13	1.7651	1.8651	0.0481	0.4333	0.3563	0.0891
14	1.7736	1.8578	0.0482	0.4337	0.3556	0.0889
15	1.7806	1.8519	0.0483	0.4348	0.3556	0.0889
16	1.7864	1.8471	0.0482	0.4352	0.3552	0.0888
17	1.7911	1.8432	0.0478	0.4350	0.3538	0.0884
18	1.7951	1.8402	0.0463	0.4337	0.3500	0.0875
19	1.7982	1.8382	0.0424	0.4296	0.3400	0.0850
20	1.8007	1.8372	0.0356	0.4222	0.3230	0.0807

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0380	7.7671	0.0046	0.0260	0.1662	0.0087
2	0.3534	3.5342	0.0207	0.1176	0.3602	0.0190
3	0.6090	2.6161	0.0291	0.1649	0.3880	0.0204
4	0.7772	2.2212	0.0324	0.1838	0.3878	0.0204
5	0.8947	2.0043	0.0337	0.1912	0.3824	0.0201
6	0.9808	1.8686	0.0344	0.1949	0.3781	0.0199
7	1.0460	1.7766	0.0347	0.1968	0.3737	0.0197
8	1.0967	1.7106	0.0349	0.1973	0.3701	0.0195
9	1.1376	1.6610	0.0352	0.1994	0.3699	0.0195
10	1.1706	1.6228	0.0353	0.2000	0.3704	0.0195
11	1.1988	1.5920	0.0358	0.2029	0.3737	0.0197
12	1.2228	1.5670	0.0363	0.2055	0.3769	0.0198
13	1.2424	1.5472	0.0361	0.2047	0.3755	0.0198
14	1.2598	1.5303	0.0367	0.2078	0.3802	0.0200
15	1.2744	1.5164	0.0366	0.2073	0.3790	0.0199
16	1.2861	1.5053	0.0359	0.2034	0.3766	0.0198
17	1.2959	1.4959	0.0355	0.2009	0.3813	0.0201
18	1.3073	1.4859	0.0381	0.2158	0.4075	0.0214
19	1.3149	1.4790	0.0359	0.2032	0.4073	0.0214
20	1.3196	1.4741	0.0332	0.1882	0.3953	0.0208

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1166	6.1890	0.0137	0.0777	0.2393	0.0266
2	0.5957	2.9927	0.0428	0.2428	0.4290	0.0477
3	0.8560	2.3565	0.0478	0.2716	0.4166	0.0463
4	1.0197	2.0701	0.0499	0.2832	0.4098	0.0455
5	1.1280	1.9128	0.0502	0.2849	0.4007	0.0445
6	1.2046	1.8144	0.0505	0.2861	0.3952	0.0439
7	1.2605	1.7484	0.0504	0.2860	0.3905	0.0434
8	1.3028	1.7015	0.0505	0.2860	0.3874	0.0430
9	1.3357	1.6669	0.0505	0.2862	0.3851	0.0428
10	1.3617	1.6404	0.0505	0.2864	0.3834	0.0426
11	1.3830	1.6196	0.0509	0.2883	0.3844	0.0427
12	1.4004	1.6031	0.0509	0.2885	0.3854	0.0428
13	1.4146	1.5899	0.0509	0.2883	0.3852	0.0428
14	1.4262	1.5792	0.0507	0.2870	0.3846	0.0427
15	1.4361	1.5701	0.0508	0.2881	0.3858	0.0429
16	1.4445	1.5626	0.0509	0.2883	0.3859	0.0429
17	1.4518	1.5562	0.0510	0.2893	0.3903	0.0434
18	1.4580	1.5508	0.0508	0.2881	0.3903	0.0434
19	1.4632	1.5462	0.0506	0.2871	0.3897	0.0433
20	1.4675	1.5424	0.0500	0.2838	0.3896	0.0433

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2335	5.2447	0.0264	0.1495	0.2977	0.0525
2	0.8193	2.7113	0.0630	0.3568	0.4670	0.0824
3	1.0743	2.2315	0.0635	0.3612	0.4335	0.0765
4	1.2271	2.0101	0.0646	0.3673	0.4250	0.0750
5	1.3238	1.8893	0.0644	0.3657	0.4155	0.0733
6	1.3884	1.8149	0.0643	0.3648	0.4098	0.0723
7	1.4369	1.7654	0.0643	0.3643	0.4063	0.0717
8	1.4703	1.7308	0.0643	0.3642	0.4040	0.0713
9	1.4961	1.7056	0.0643	0.3643	0.4024	0.0710
10	1.5159	1.6868	0.0643	0.3646	0.4013	0.0708
11	1.5315	1.6725	0.0644	0.3649	0.4004	0.0707
12	1.5439	1.6612	0.0645	0.3652	0.3997	0.0705
13	1.5539	1.6523	0.0645	0.3656	0.3992	0.0704
14	1.5620	1.6452	0.0646	0.3660	0.3988	0.0703
15	1.5688	1.6394	0.0647	0.3668	0.4001	0.0706
16	1.5743	1.6347	0.0646	0.3667	0.3997	0.0705
17	1.5789	1.6303	0.0644	0.3664	0.3990	0.0704
18	1.5828	1.6277	0.0638	0.3672	0.3988	0.0704
19	1.5860	1.6252	0.0618	0.3653	0.3953	0.0698
20	1.5886	1.6235	0.0571	0.3610	0.3857	0.0680

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.394235	4.566772	0.042195	0.239107	0.348141	0.087062
2	1.045425	2.541893	0.161503	0.915678	0.981013	0.244310
3	1.287371	2.166695	0.077889	0.443173	0.447328	0.111473
4	1.423886	1.994606	0.078312	0.444469	0.437875	0.109049
5	1.507020	1.901699	0.078127	0.442866	0.429789	0.107341
6	1.561097	1.845693	0.077926	0.441640	0.424289	0.106100
7	1.597817	1.809463	0.077704	0.440352	0.420380	0.104832
8	1.624174	1.784557	0.077919	0.441482	0.418394	0.104779
9	1.643285	1.767013	0.077900	0.441439	0.416464	0.104188
10	1.657411	1.754293	0.077856	0.441162	0.414979	0.103456
11	1.668246	1.744775	0.078099	0.442552	0.414369	0.103655
12	1.676613	1.737572	0.078277	0.443563	0.413790	0.103730
13	1.683119	1.732058	0.078390	0.444204	0.413257	0.103641
14	1.688215	1.727789	0.078444	0.444514	0.412756	0.103394
15	1.692232	1.724449	0.078449	0.444537	0.412272	0.103005
16	1.695468	1.721793	0.078612	0.445465	0.412152	0.103179
17	1.698044	1.719686	0.078552	0.445125	0.411681	0.102644
18	1.700173	1.717976	0.078859	0.446863	0.411914	0.103380
19	1.701879	1.716607	0.078763	0.446321	0.411476	0.102791
20	1.703274	1.715494	0.078817	0.446630	0.411345	0.102724

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0453	7.0170	0.0077	0.0309	0.1976	0.0104
2	0.3779	3.2128	0.0317	0.1267	0.4019	0.0212
3	0.6171	2.4068	0.0416	0.1664	0.4194	0.0221
4	0.7766	2.0549	0.0455	0.1822	0.4180	0.0220
5	0.8866	1.8618	0.0469	0.1877	0.4116	0.0217
6	0.9671	1.7402	0.0478	0.1913	0.4081	0.0215
7	1.0277	1.6580	0.0483	0.1933	0.4059	0.0214
8	1.0744	1.5994	0.0485	0.1941	0.4042	0.0213
9	1.1111	1.5559	0.0486	0.1944	0.4029	0.0212
10	1.1406	1.5225	0.0486	0.1945	0.4019	0.0212
11	1.1657	1.4954	0.0494	0.1977	0.4053	0.0213
12	1.1864	1.4739	0.0496	0.1983	0.4081	0.0215
13	1.2044	1.4560	0.0503	0.2013	0.4092	0.0215
14	1.2193	1.4415	0.0503	0.2011	0.4164	0.0219
15	1.2308	1.4303	0.0490	0.1961	0.4112	0.0216
16	1.2430	1.4190	0.0519	0.2076	0.4330	0.0228
17	1.2516	1.4111	0.0495	0.1979	0.4321	0.0227
18	1.2574	1.4051	0.0465	0.1859	0.4214	0.0222
19	1.2617	1.4002	0.0443	0.1770	0.4399	0.0231
20	1.2776	1.3880	0.0655	0.2622	0.5249	0.0276

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1388	5.4461	0.0229	0.0918	0.2841	0.0315
2	0.6230	2.6789	0.0640	0.2562	0.4747	0.0527
3	0.8664	2.1383	0.0685	0.2740	0.4335	0.0504
4	1.0167	1.8930	0.0706	0.2827	0.4461	0.0496
5	1.1144	1.7588	0.0708	0.2832	0.4371	0.0486
6	1.1821	1.6754	0.0709	0.2835	0.4319	0.0480
7	1.2311	1.6197	0.0709	0.2835	0.4283	0.0476
8	1.2677	1.5803	0.0710	0.2840	0.4266	0.0474
9	1.2957	1.5514	0.0711	0.2843	0.4252	0.0472
10	1.3174	1.5297	0.0709	0.2837	0.4239	0.0471
11	1.3345	1.5130	0.0708	0.2831	0.4224	0.0469
12	1.3483	1.4998	0.0708	0.2832	0.4217	0.0469
13	1.3600	1.4889	0.0715	0.2862	0.4279	0.0475
14	1.3696	1.4802	0.0715	0.2861	0.4285	0.0476
15	1.3774	1.4731	0.0713	0.2853	0.4279	0.0475
16	1.3837	1.4674	0.0706	0.2826	0.4276	0.0475
17	1.3888	1.4626	0.0698	0.2793	0.4245	0.0472
18	1.3939	1.4581	0.0721	0.2886	0.4381	0.0487
19	1.3982	1.4545	0.0719	0.2882	0.4380	0.0487
20	1.4017	1.4515	0.0714	0.2871	0.4367	0.0485

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.279053	4.507350	0.043970	0.175868	0.352953	0.062440
2	0.852323	2.405968	0.184783	0.740390	1.027125	0.180729
3	1.084710	2.008249	0.091267	0.365561	0.476025	0.083624
4	1.219040	1.827335	0.092072	0.369016	0.466701	0.082105
5	1.301693	1.729512	0.091829	0.367444	0.458269	0.080504
6	1.356793	1.669697	0.091907	0.367673	0.453200	0.079938
7	1.394976	1.630612	0.091889	0.367573	0.449419	0.079380
8	1.421995	1.603933	0.091550	0.366209	0.446125	0.078282
9	1.442154	1.584694	0.091809	0.367226	0.444717	0.078178
10	1.457365	1.570548	0.091924	0.367694	0.443373	0.077910
11	1.469249	1.559814	0.092445	0.369783	0.443060	0.078415
12	1.478324	1.551717	0.092270	0.369081	0.441703	0.077703
13	1.485541	1.545393	0.092552	0.370212	0.441422	0.077820
14	1.491309	1.540417	0.092773	0.371096	0.441118	0.077882
15	1.495943	1.536471	0.092930	0.371725	0.440808	0.077857
16	1.499686	1.533316	0.093022	0.372093	0.440486	0.077731
17	1.502725	1.530774	0.093064	0.372259	0.440158	0.077524
18	1.505203	1.528711	0.093049	0.372199	0.439798	0.077223
19	1.507308	1.526994	0.093608	0.374438	0.440403	0.078100
20	1.509028	1.525597	0.093564	0.374259	0.440048	0.077819

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.0 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.469238	3.848639	0.069414	0.277654	0.410974	0.102747
2	1.087990	2.236978	0.236123	0.945411	1.078508	0.268771
3	1.299680	1.940600	0.112695	0.451977	0.494889	0.123448
4	1.412819	1.808582	0.112617	0.451509	0.485488	0.121281
5	1.478605	1.738967	0.112465	0.449909	0.478955	0.119789
6	1.519571	1.698237	0.112300	0.449217	0.474721	0.118843
7	1.546246	1.672734	0.112150	0.448607	0.471909	0.117875
8	1.564365	1.655905	0.112214	0.448851	0.470275	0.117362
9	1.577195	1.644336	0.112674	0.450696	0.469715	0.117844
10	1.586165	1.636324	0.112420	0.449681	0.468370	0.116647
11	1.592769	1.630541	0.112812	0.451252	0.468259	0.117060
12	1.597610	1.626345	0.112875	0.451501	0.467778	0.116722
13	1.601273	1.623227	0.113318	0.453272	0.467959	0.117407
14	1.603991	1.620921	0.113217	0.452870	0.467441	0.116744
15	1.606074	1.619176	0.113505	0.454020	0.467543	0.117131
16	1.607656	1.617856	0.113510	0.454046	0.467300	0.116821
17	1.608881	1.616844	0.113719	0.454879	0.467368	0.117084
18	1.609822	1.616068	0.113696	0.454781	0.467157	0.116753
19	1.610553	1.615467	0.113748	0.454989	0.467063	0.116657
20	1.611124	1.615000	0.113843	0.455385	0.467059	0.116715

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0416	9.3846	0.0015	0.0284	0.1559	0.0082
2	0.4093	4.2855	0.0076	0.1448	0.3425	0.0180
3	0.7058	3.1581	0.0113	0.2171	0.3746	0.0198
4	0.9057	2.6779	0.0129	0.2465	0.3742	0.0197
5	1.0456	2.4157	0.0135	0.2583	0.3679	0.0194
6	1.1489	2.2523	0.0139	0.2642	0.3617	0.0190
7	1.2278	2.1416	0.0141	0.2677	0.3569	0.0188
8	1.2898	2.0623	0.0142	0.2699	0.3533	0.0186
9	1.3395	2.0030	0.0143	0.2713	0.3506	0.0185
10	1.3801	1.9573	0.0143	0.2721	0.3483	0.0183
11	1.4138	1.9212	0.0143	0.2726	0.3465	0.0182
12	1.4421	1.8920	0.0144	0.2730	0.3451	0.0182
13	1.4660	1.8681	0.0144	0.2732	0.3437	0.0181
14	1.4869	1.8479	0.0144	0.2745	0.3463	0.0182
15	1.5056	1.8306	0.0146	0.2778	0.3491	0.0184
16	1.5228	1.8157	0.0149	0.2824	0.3531	0.0186
17	1.5371	1.8035	0.0148	0.2807	0.3532	0.0186
18	1.5494	1.7931	0.0147	0.2789	0.3522	0.0185
19	1.5607	1.7838	0.0148	0.2813	0.3524	0.0185
20	1.5707	1.7757	0.0148	0.2815	0.3554	0.0187

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.05 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1184	7.9134	0.0041	0.0788	0.2086	0.0232
2	0.6661	3.8003	0.0150	0.2846	0.3923	0.0436
3	0.9845	2.9709	0.0174	0.3389	0.3849	0.0431
4	1.1866	2.5974	0.0186	0.3581	0.3789	0.0421
5	1.3225	2.3920	0.0190	0.3629	0.3694	0.0410
6	1.4193	2.2642	0.0191	0.3643	0.3620	0.0402
7	1.4909	2.1782	0.0191	0.3640	0.3558	0.0395
8	1.5457	2.1168	0.0191	0.3637	0.3511	0.0390
9	1.5888	2.0711	0.0191	0.3636	0.3476	0.0386
10	1.6234	2.0360	0.0191	0.3636	0.3449	0.0383
11	1.6518	2.0083	0.0191	0.3638	0.3428	0.0381
12	1.6755	1.9860	0.0192	0.3650	0.3418	0.0380
13	1.6955	1.9678	0.0192	0.3656	0.3408	0.0379
14	1.7124	1.9528	0.0193	0.3661	0.3399	0.0378
15	1.7269	1.9403	0.0193	0.3668	0.3400	0.0378
16	1.7393	1.9298	0.0193	0.3673	0.3399	0.0378
17	1.7501	1.9208	0.0194	0.3676	0.3396	0.0377
18	1.7595	1.9131	0.0194	0.3678	0.3392	0.0377
19	1.7678	1.9065	0.0194	0.3679	0.3388	0.0376
20	1.7750	1.9008	0.0194	0.3679	0.3333	0.0376

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2264	7.0316	0.0076	0.1452	0.2484	0.0438
2	0.9066	3.5576	0.0214	0.4065	0.4181	0.0738
3	1.2234	2.9050	0.0216	0.4286	0.3854	0.0680
4	1.4248	2.5901	0.0230	0.4462	0.3814	0.0673
5	1.5543	2.4191	0.0232	0.4449	0.3701	0.0653
6	1.6441	2.3133	0.0232	0.4437	0.3623	0.0639
7	1.7093	2.2425	0.0232	0.4427	0.3567	0.0630
8	1.7584	2.1922	0.0232	0.4424	0.3528	0.0623
9	1.7964	2.1551	0.0233	0.4423	0.3498	0.0617
10	1.8265	2.1270	0.0233	0.4425	0.3476	0.0613
11	1.8506	2.1051	0.0233	0.4428	0.3458	0.0610
12	1.8703	2.0878	0.0233	0.4432	0.3443	0.0608
13	1.8866	2.0738	0.0233	0.4436	0.3432	0.0606
14	1.9001	2.0624	0.0234	0.4439	0.3422	0.0604
15	1.9116	2.0530	0.0234	0.4447	0.3416	0.0603
16	1.9214	2.0451	0.0234	0.4453	0.3411	0.0602
17	1.9297	2.0386	0.0234	0.4456	0.3404	0.0601
18	1.9368	2.0330	0.0234	0.4459	0.3398	0.0600
19	1.9429	2.0283	0.0234	0.4460	0.3390	0.0598
20	1.9483	2.0244	0.0232	0.4460	0.3377	0.0596

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.05 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.3688	6.3962	0.0119	0.2256	0.2818	0.0704
2	1.1505	3.4169	0.0270	0.5123	0.4332	0.1083
3	1.4599	2.8858	0.0253	0.5069	0.3847	0.0962
4	1.6534	2.6192	0.0266	0.5205	0.3811	0.0953
5	1.7746	2.4741	0.0268	0.5170	0.3708	0.0927
6	1.8565	2.3851	0.0269	0.5144	0.3634	0.0909
7	1.9145	2.3260	0.0269	0.5128	0.3581	0.0895
8	1.9574	2.2846	0.0269	0.5123	0.3544	0.0886
9	1.9899	2.2544	0.0269	0.5123	0.3516	0.0879
10	2.0151	2.2318	0.0270	0.5125	0.3495	0.0874
11	2.0350	2.2145	0.0270	0.5130	0.3479	0.0870
12	2.0509	2.2009	0.0270	0.5134	0.3466	0.0866
13	2.0639	2.1902	0.0271	0.5140	0.3455	0.0864
14	2.0744	2.1816	0.0271	0.5144	0.3448	0.0862
15	2.0832	2.1746	0.0271	0.5148	0.3440	0.0860
16	2.0905	2.1688	0.0271	0.5154	0.3434	0.0858
17	2.0966	2.1641	0.0269	0.5155	0.3424	0.0856
18	2.1016	2.1604	0.0264	0.5148	0.3398	0.0849
19	2.1058	2.1576	0.0246	0.5123	0.3332	0.0833
20	2.1091	2.1560	0.0210	0.5066	0.3194	0.0798

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0561	7.8926	0.0042	0.0381	0.2099	0.0110
2	0.4466	3.6371	0.0182	0.1639	0.4142	0.0218
3	0.7219	2.7352	0.0242	0.2183	0.4287	0.0226
4	0.9038	2.3453	0.0266	0.2394	0.4245	0.0224
5	1.0293	2.1314	0.0274	0.2470	0.4165	0.0219
6	1.1211	1.9973	0.0279	0.2515	0.4115	0.0217
7	1.1905	1.9063	0.0282	0.2541	0.4082	0.0215
8	1.2441	1.8423	0.0284	0.2553	0.4058	0.0214
9	1.2865	1.7945	0.0284	0.2559	0.4040	0.0213
10	1.3206	1.7578	0.0284	0.2561	0.4028	0.0212
11	1.3486	1.7288	0.0285	0.2561	0.4019	0.0212
12	1.3727	1.7050	0.0283	0.2595	0.4043	0.0213
13	1.3930	1.6858	0.0289	0.2602	0.4069	0.0214
14	1.4098	1.6701	0.0288	0.2592	0.4060	0.0214
15	1.4243	1.6569	0.0289	0.2597	0.4056	0.0213
16	1.4367	1.6458	0.0288	0.2593	0.4103	0.0216
17	1.4471	1.6365	0.0286	0.2574	0.4101	0.0216
18	1.4583	1.6273	0.0301	0.2704	0.4301	0.0226
19	1.4664	1.6206	0.0289	0.2604	0.4315	0.0227
20	1.4720	1.6153	0.0275	0.2479	0.4235	0.0223

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1597	6.4244	0.0116	0.1048	0.2802	0.0311
2	0.7222	3.1698	0.0346	0.3113	0.4682	0.0520
3	1.0070	2.5352	0.0374	0.3392	0.4451	0.0495
4	1.1845	2.2465	0.0390	0.3521	0.4367	0.0485
5	1.3006	2.0887	0.0392	0.3533	0.4264	0.0474
6	1.3819	1.9906	0.0393	0.3539	0.4196	0.0466
7	1.4414	1.9248	0.0394	0.3546	0.4153	0.0461
8	1.4864	1.8783	0.0395	0.3553	0.4124	0.0458
9	1.5211	1.8441	0.0395	0.3558	0.4104	0.0456
10	1.5485	1.8183	0.0396	0.3562	0.4100	0.0456
11	1.5703	1.7984	0.0396	0.3561	0.4089	0.0454
12	1.5879	1.7826	0.0396	0.3560	0.4080	0.0453
13	1.6023	1.7700	0.0395	0.3553	0.4071	0.0452
14	1.6141	1.7597	0.0394	0.3546	0.4059	0.0451
15	1.6240	1.7511	0.0394	0.3547	0.4054	0.0450
16	1.6325	1.7440	0.0394	0.3548	0.4049	0.0450
17	1.6399	1.7379	0.0396	0.3569	0.4065	0.0452
18	1.6463	1.7327	0.0398	0.3581	0.4098	0.0455
19	1.6517	1.7283	0.0396	0.3576	0.4098	0.0455
20	1.6564	1.7247	0.0394	0.3570	0.4090	0.0454

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.3053	5.5603	0.0212	0.1907	0.3325	0.0587
2	0.9804	2.9403	0.0483	0.4351	0.4952	0.0874
3	1.2586	2.4557	0.0477	0.4351	0.4530	0.0799
4	1.4251	2.2286	0.0488	0.4424	0.4444	0.0784
5	1.5294	2.1053	0.0488	0.4404	0.4342	0.0766
6	1.5996	2.0297	0.0487	0.4392	0.4278	0.0755
7	1.6492	1.9799	0.0487	0.4387	0.4238	0.0748
8	1.6855	1.9452	0.0487	0.4387	0.4211	0.0743
9	1.7127	1.9201	0.0488	0.4391	0.4193	0.0740
10	1.7336	1.9015	0.0488	0.4395	0.4180	0.0738
11	1.7499	1.8873	0.0489	0.4401	0.4170	0.0736
12	1.7628	1.8764	0.0490	0.4406	0.4161	0.0734
13	1.7732	1.8677	0.0490	0.4411	0.4154	0.0733
14	1.7815	1.8609	0.0491	0.4417	0.4148	0.0732
15	1.7884	1.8553	0.0491	0.4421	0.4141	0.0731
16	1.7941	1.8509	0.0489	0.4423	0.4131	0.0729
17	1.7987	1.8473	0.0483	0.4423	0.4122	0.0727
18	1.8025	1.8447	0.0460	0.4406	0.4068	0.0718
19	1.8056	1.8431	0.0405	0.4359	0.3935	0.0694
20	1.8081	1.8425	0.0331	0.4295	0.3753	0.0662

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.4976	4.9472	0.0324	0.2917	0.3754	0.0939
2	1.2432	2.8123	0.0600	0.5400	0.5104	0.1276
3	1.5055	2.4325	0.0564	0.5187	0.4581	0.1145
4	1.6558	2.2523	0.0574	0.5223	0.4504	0.1126
5	1.7461	2.1556	0.0574	0.5191	0.4416	0.1104
6	1.8046	2.0976	0.0574	0.5176	0.4361	0.1090
7	1.8443	2.0602	0.0574	0.5173	0.4326	0.1082
8	1.8723	2.0349	0.0575	0.5175	0.4304	0.1076
9	1.8925	2.0171	0.0575	0.5181	0.4288	0.1072
10	1.9075	2.0043	0.0576	0.5187	0.4277	0.1069
11	1.9188	1.9948	0.0577	0.5194	0.4268	0.1067
12	1.9275	1.9877	0.0578	0.5201	0.4267	0.1067
13	1.9342	1.9823	0.0577	0.5205	0.4260	0.1065
14	1.9394	1.9783	0.0569	0.5203	0.4238	0.1060
15	1.9433	1.9757	0.0522	0.5165	0.4135	0.1033
16	1.9458	1.9751	0.0364	0.5023	0.3775	0.0944
17	1.9481	1.9749	0.0301	0.4963	0.3625	0.0906
18	1.9502	1.9749	0.0262	0.4919	0.3527	0.0881
19	1.9521	1.9751	0.0209	0.4855	0.3387	0.0846
20	1.9540	1.9752	0.0202	0.4848	0.3375	0.0844

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0675	6.9539	0.0081	0.0457	0.2523	0.0133
2	0.4683	3.2376	0.0309	0.1749	0.4636	0.0244
3	0.7276	2.4695	0.0383	0.2172	0.4661	0.0245
4	0.8970	2.1313	0.0413	0.2341	0.4609	0.0243
5	1.0121	1.9462	0.0422	0.2393	0.4522	0.0238
6	1.0951	1.8305	0.0428	0.2424	0.4466	0.0235
7	1.1572	1.7524	0.0431	0.2442	0.4431	0.0233
8	1.2048	1.6969	0.0433	0.2452	0.4407	0.0232
9	1.2421	1.6557	0.0434	0.2458	0.4391	0.0231
10	1.2731	1.6236	0.0440	0.2494	0.4439	0.0234
11	1.2978	1.5989	0.0440	0.2492	0.4431	0.0233
12	1.3173	1.5797	0.0435	0.2467	0.4416	0.0232
13	1.3345	1.5636	0.0441	0.2501	0.4474	0.0235
14	1.3488	1.5503	0.0441	0.2501	0.4472	0.0235
15	1.3626	1.5385	0.0458	0.2593	0.4639	0.0244
16	1.3726	1.5297	0.0444	0.2513	0.4550	0.0245
17	1.3800	1.5229	0.0426	0.2413	0.4568	0.0240
18	1.3855	1.5173	0.0410	0.2322	0.4719	0.0248
19	1.3938	1.5102	0.0455	0.2577	0.5254	0.0277
20	1.4042	1.5029	0.0512	0.2899	0.5209	0.0274

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1922	5.5058	0.0220	0.1247	0.3361	0.0373
2	0.7534	2.7783	0.0574	0.3251	0.5203	0.0578
3	1.0145	2.2562	0.0597	0.3389	0.4889	0.0543
4	1.1730	2.0184	0.0612	0.3475	0.4797	0.0533
5	1.2747	1.8888	0.0613	0.3476	0.4697	0.0522
6	1.3441	1.8091	0.0613	0.3473	0.4635	0.0515
7	1.3938	1.7561	0.0613	0.3472	0.4596	0.0511
8	1.4305	1.7190	0.0613	0.3473	0.4570	0.0508
9	1.4583	1.6919	0.0613	0.3475	0.4552	0.0506
10	1.4799	1.6717	0.0614	0.3479	0.4540	0.0504
11	1.4969	1.6561	0.0615	0.3482	0.4531	0.0503
12	1.5109	1.6437	0.0620	0.3512	0.4578	0.0509
13	1.5222	1.6340	0.0620	0.3515	0.4584	0.0509
14	1.5313	1.6263	0.0620	0.3511	0.4579	0.0509
15	1.5386	1.6200	0.0616	0.3493	0.4577	0.0509
16	1.5445	1.6150	0.0612	0.3471	0.4556	0.0506
17	1.5495	1.6107	0.0611	0.3471	0.4551	0.0506
18	1.5540	1.6070	0.0618	0.3519	0.4648	0.0516
19	1.5578	1.6041	0.0609	0.3505	0.4649	0.0516
20	1.5610	1.6017	0.0594	0.3536	0.4608	0.0512

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.367519	4.655236	0.039686	0.224886	0.397750	0.070199
2	1.015841	2.560737	0.156831	0.892446	1.093578	0.191941
3	1.265061	2.169504	0.076889	0.437599	0.503743	0.088524
4	1.406152	1.992530	0.077438	0.440488	0.493190	0.086826
5	1.491913	1.897351	0.077466	0.439073	0.484819	0.085335
6	1.548393	1.839889	0.077587	0.439703	0.479559	0.084969
7	1.586538	1.803052	0.077349	0.438331	0.475223	0.083838
8	1.613704	1.777901	0.077446	0.438870	0.472839	0.083468
9	1.633446	1.760169	0.077476	0.438994	0.470954	0.082954
10	1.648350	1.747212	0.077787	0.440776	0.470085	0.083235
11	1.659430	1.737705	0.077624	0.439853	0.468586	0.082306
12	1.667988	1.730492	0.077745	0.440551	0.467951	0.082133
13	1.674828	1.724895	0.078221	0.443247	0.468077	0.083016
14	1.680153	1.720593	0.078248	0.443403	0.467469	0.082736
15	1.684331	1.717242	0.078215	0.443215	0.466920	0.082278
16	1.687733	1.714570	0.078531	0.445006	0.467073	0.082856
17	1.690423	1.712463	0.078425	0.444413	0.466534	0.082262
18	1.692634	1.710760	0.078681	0.445862	0.466691	0.082740
19	1.694399	1.709400	0.078532	0.445014	0.466186	0.082053
20	1.695861	1.708288	0.078738	0.446180	0.466325	0.082434

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.599716	4.058400	0.060021	0.340116	0.447654	0.111987
2	1.288261	2.437154	0.193304	1.101313	1.125481	0.280817
3	1.513453	2.141748	0.092632	0.526409	0.515837	0.128738
4	1.630395	2.012653	0.092011	0.524282	0.504624	0.125829
5	1.697586	1.944721	0.092231	0.522715	0.498603	0.124268
6	1.738913	1.905452	0.092170	0.522327	0.494387	0.123452
7	1.765577	1.881151	0.092219	0.522501	0.491838	0.122891
8	1.783386	1.865401	0.092279	0.522886	0.490176	0.122435
9	1.795649	1.854817	0.092416	0.523673	0.489174	0.122255
10	1.804214	1.847539	0.092446	0.523850	0.488331	0.121727
11	1.810395	1.842394	0.092698	0.525283	0.488069	0.122093
12	1.814889	1.838714	0.092879	0.526306	0.487827	0.122269
13	1.818178	1.836053	0.092991	0.526946	0.487596	0.122242
14	1.820604	1.834107	0.093052	0.527292	0.487369	0.122062
15	1.822406	1.832670	0.093082	0.527463	0.487157	0.121804
16	1.823754	1.831599	0.093083	0.527459	0.486943	0.121458
17	1.824782	1.830792	0.093235	0.528326	0.486980	0.121782
18	1.825558	1.830183	0.093202	0.528142	0.486770	0.121383
19	1.826150	1.829720	0.093237	0.528331	0.486683	0.121277
20	1.826605	1.829366	0.093296	0.528693	0.486643	0.121333

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.077599	6.250000	0.013139	0.052367	0.290032	0.015250
2	0.481112	2.943750	0.090333	0.361889	1.004055	0.052498
3	0.724143	2.272056	0.053022	0.212443	0.494974	0.025581
4	0.884795	1.968221	0.057242	0.229778	0.492156	0.025761
5	0.994241	1.801148	0.059234	0.237303	0.485516	0.025962
6	1.070229	1.699502	0.059469	0.238048	0.477069	0.025574
7	1.124201	1.632781	0.058748	0.235076	0.469140	0.024609
8	1.165914	1.584386	0.059003	0.236039	0.466166	0.024328
9	1.198498	1.548414	0.059030	0.236134	0.462995	0.024027
10	1.225011	1.520473	0.059498	0.238000	0.461607	0.024108
11	1.246071	1.498936	0.059259	0.237043	0.458578	0.023730
12	1.264017	1.481275	0.059992	0.239966	0.458710	0.024074
13	1.278447	1.467344	0.059625	0.238503	0.455921	0.023650
14	1.290896	1.455654	0.060140	0.240563	0.456008	0.023861
15	1.301340	1.446034	0.060164	0.240659	0.454755	0.023746
16	1.310419	1.437868	0.060583	0.242336	0.454736	0.023943
17	1.317865	1.431195	0.060058	0.240233	0.452492	0.023383
18	1.324415	1.425407	0.060295	0.241186	0.452549	0.023388
19	1.330184	1.420390	0.060556	0.242227	0.452502	0.023467
20	1.335276	1.416036	0.060811	0.243249	0.452417	0.023576

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2209	4.8162	0.0355	0.1420	0.3853	0.0428
2	0.7737	2.4815	0.0834	0.3335	0.5623	0.0625
3	1.0140	2.0401	0.1344	0.3380	0.5262	0.0565
4	1.1562	1.8396	0.0859	0.3439	0.5169	0.0574
5	1.2455	1.7310	0.0858	0.3434	0.5077	0.0564
6	1.3052	1.6649	0.0858	0.3432	0.5020	0.0558
7	1.3472	1.6214	0.0858	0.3434	0.4986	0.0554
8	1.3776	1.5912	0.0859	0.3438	0.4964	0.0552
9	1.4004	1.5696	0.0862	0.3447	0.4971	0.0552
10	1.4179	1.5534	0.0867	0.3469	0.4993	0.0555
11	1.4314	1.5413	0.0868	0.3479	0.4991	0.0554
12	1.4418	1.5321	0.0865	0.3461	0.4987	0.0554
13	1.4502	1.5248	0.0871	0.3482	0.5054	0.0561
14	1.4568	1.5190	0.0868	0.3472	0.5061	0.0562
15	1.4621	1.5145	0.0864	0.3461	0.5059	0.0562
16	1.4664	1.5108	0.0859	0.3449	0.5048	0.0561
17	1.4699	1.5079	0.0849	0.3430	0.5073	0.0564
18	1.4724	1.5057	0.0814	0.3349	0.4988	0.0554
19	1.4747	1.5040	0.0786	0.3347	0.4939	0.0549
0	1.4767	1.5027	0.0738	0.3337	0.4856	0.0539

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.422587	3.977585	0.063479	0.253914	0.454877	0.080284
2	1.040325	2.264232	0.226407	0.908354	1.180657	0.207422
3	1.261152	1.946343	0.109834	0.439361	0.547077	0.096244
4	1.379957	1.806116	0.109921	0.439723	0.536767	0.094498
5	1.449653	1.732385	0.109648	0.438652	0.529432	0.093341
6	1.493410	1.689095	0.109532	0.438146	0.524936	0.092524
7	1.522505	1.661701	0.109794	0.439183	0.522523	0.092423
8	1.542253	1.643679	0.109767	0.439069	0.520506	0.091783
9	1.556303	1.631252	0.110218	0.440874	0.519813	0.092110
10	1.566178	1.622616	0.109935	0.439742	0.518361	0.090977
11	1.573570	1.616317	0.110556	0.442226	0.518522	0.091760
12	1.579004	1.611742	0.110589	0.442359	0.517942	0.091378
13	1.583042	1.608364	0.110523	0.442095	0.517382	0.090800
14	1.586144	1.605808	0.110870	0.443483	0.517485	0.091176
15	1.588534	1.603866	0.111154	0.444619	0.517546	0.091476
16	1.590381	1.602383	0.111375	0.445501	0.517577	0.091676
17	1.591811	1.601244	0.111532	0.446129	0.517575	0.091770
18	1.592900	1.600373	0.111233	0.444938	0.517004	0.090830
19	1.593759	1.599691	0.111371	0.445488	0.517030	0.090925
20	1.594436	1.599156	0.111437	0.445747	0.516970	0.090875

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.05 BETA = 0.05

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0677	8.6948	0.0024	0.0459	0.2216	0.0117
2	0.5162	4.0405	0.0107	0.2032	0.4258	0.0224
3	0.8269	3.0527	0.0142	0.2723	0.4369	0.0231
4	1.0305	2.6258	0.0156	0.2984	0.4308	0.0227
5	1.1710	2.3923	0.0161	0.3081	0.4216	0.0222
6	1.2738	2.2466	0.0165	0.3135	0.4154	0.0219
7	1.3507	2.1490	0.0166	0.3151	0.4097	0.0216
8	1.4105	2.0792	0.0166	0.3165	0.4059	0.0214
9	1.4580	2.0272	0.0167	0.3172	0.4030	0.0212
10	1.4964	1.9873	0.0167	0.3177	0.4008	0.0211
11	1.5285	1.9556	0.0168	0.3198	0.4015	0.0211
12	1.5552	1.9302	0.0168	0.3201	0.4011	0.0211
13	1.5776	1.9096	0.0169	0.3202	0.4008	0.0211
14	1.5974	1.8922	0.0170	0.3235	0.4029	0.0212
15	1.6143	1.8777	0.0171	0.3240	0.4054	0.0213
16	1.6287	1.8657	0.0170	0.3234	0.4050	0.0213
17	1.6410	1.8555	0.0170	0.3227	0.4042	0.0213
18	1.6520	1.8466	0.0170	0.3236	0.4037	0.0212
19	1.6614	1.8389	0.0169	0.3220	0.4002	0.0211
20	1.6699	1.8321	0.0170	0.3237	0.4070	0.0214

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 3.5 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.689435	3.396296	0.094976	0.379903	0.510375	0.127626
2	1.313976	2.143681	0.277575	1.113757	1.214879	0.303073
3	1.499843	1.920053	0.131987	0.530054	0.562928	0.140441
4	1.589666	1.826141	0.131528	0.527676	0.553994	0.138232
5	1.637564	1.779421	0.131481	0.525942	0.548991	0.136768
6	1.665059	1.753792	0.131434	0.525714	0.546052	0.136079
7	1.681768	1.738751	0.131744	0.526971	0.544705	0.136309
8	1.692141	1.729602	0.131800	0.527198	0.543631	0.135856
9	1.698809	1.723827	0.132031	0.528126	0.543179	0.135939
10	1.703156	1.720105	0.132119	0.528475	0.542771	0.135669
11	1.706073	1.717647	0.132451	0.529806	0.542811	0.136202
12	1.708013	1.716015	0.132330	0.529315	0.542399	0.135419
13	1.709343	1.714907	0.132535	0.530139	0.542449	0.135694
14	1.710261	1.714149	0.132714	0.530858	0.542509	0.135946
15	1.710897	1.713627	0.132803	0.531228	0.542500	0.135965
16	1.711340	1.713265	0.132852	0.531415	0.542469	0.135881
17	1.711649	1.713012	0.132914	0.531663	0.542466	0.135867
18	1.711868	1.712835	0.133005	0.532031	0.542509	0.135980
19	1.712022	1.712710	0.133102	0.532427	0.542594	0.136130
20	1.712131	1.712622	0.133003	0.531942	0.542387	0.135624

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.05 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.1834	7.3143	0.0063	0.1194	0.2815	0.0313
2	0.8244	3.6245	0.0193	0.3671	0.4673	0.0519
3	1.1475	2.9116	0.0207	0.4035	0.4406	0.0490
4	1.3514	2.5827	0.0218	0.4215	0.4325	0.0481
5	1.4850	2.4032	0.0221	0.4234	0.4214	0.0468
6	1.5789	2.2920	0.0222	0.4240	0.4135	0.0460
7	1.6476	2.2176	0.0223	0.4240	0.4077	0.0453
8	1.6956	2.1650	0.0223	0.4243	0.4035	0.0448
9	1.7401	2.1263	0.0223	0.4247	0.4005	0.0445
10	1.7722	2.0968	0.0224	0.4252	0.3982	0.0442
11	1.7981	2.0739	0.0224	0.4258	0.3963	0.0440
12	1.8193	2.0558	0.0224	0.4263	0.3948	0.0439
13	1.8368	2.0412	0.0225	0.4268	0.3936	0.0437
14	1.8515	2.0293	0.0225	0.4273	0.3926	0.0436
15	1.8639	2.0194	0.0225	0.4277	0.3924	0.0436
16	1.8744	2.0112	0.0225	0.4278	0.3918	0.0435
17	1.8834	2.0043	0.0225	0.4280	0.3911	0.0435
18	1.8912	1.9985	0.0226	0.4291	0.3918	0.0435
19	1.8979	1.9935	0.0225	0.4290	0.3920	0.0436
20	1.9037	1.9893	0.0224	0.4285	0.3913	0.0435

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.05 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.3400	6.4997	0.0111	0.2100	0.3242	0.0572
2	1.1114	3.4325	0.0262	0.4974	0.4862	0.0858
3	1.4292	2.8804	0.0251	0.5005	0.4377	0.0773
4	1.6265	2.6095	0.0264	0.5144	0.4322	0.0763
5	1.7507	2.4627	0.0266	0.5121	0.4210	0.0743
6	1.8350	2.3728	0.0267	0.5104	0.4137	0.0730
7	1.8952	2.3133	0.0268	0.5099	0.4089	0.0722
8	1.9395	2.2718	0.0268	0.5094	0.4051	0.0715
9	1.9732	2.2417	0.0268	0.5096	0.4025	0.0710
10	1.9993	2.2191	0.0268	0.5100	0.4004	0.0707
11	2.0199	2.2019	0.0269	0.5105	0.3988	0.0704
12	2.0364	2.1884	0.0269	0.5111	0.3974	0.0701
13	2.0497	2.1778	0.0269	0.5117	0.3963	0.0699
14	2.0607	2.1693	0.0270	0.5120	0.3954	0.0698
15	2.0697	2.1623	0.0270	0.5124	0.3945	0.0696
16	2.0772	2.1567	0.0269	0.5128	0.3936	0.0695
17	2.0835	2.1520	0.0268	0.5131	0.3924	0.0692
18	2.0888	2.1483	0.0263	0.5128	0.3899	0.0688
19	2.0932	2.1456	0.0246	0.5110	0.3834	0.0676
20	2.0967	2.1441	0.0208	0.5066	0.3694	0.0652

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.05 BETA = 0.20

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.5415	5.9241	0.0165	0.3129	0.3582	0.0896
2	1.4022	3.3368	0.0317	0.6030	0.4954	0.1238
3	1.7056	2.8956	0.0287	0.5813	0.4343	0.1086
4	1.8900	2.6717	0.0300	0.5914	0.4301	0.1076
5	2.0028	2.5503	0.0304	0.5880	0.4207	0.1052
6	2.0769	2.4768	0.0306	0.5859	0.4143	0.1036
7	2.1281	2.4291	0.0307	0.5851	0.4100	0.1025
8	2.1648	2.3964	0.0307	0.5850	0.4070	0.1018
9	2.1919	2.3732	0.0308	0.5853	0.4049	0.1012
10	2.2124	2.3562	0.0308	0.5858	0.4033	0.1008
11	2.2281	2.3435	0.0309	0.5864	0.4021	0.1005
12	2.2404	2.3338	0.0309	0.5869	0.4011	0.1003
13	2.2501	2.3263	0.0309	0.5876	0.4004	0.1001
14	2.2578	2.3204	0.0309	0.5881	0.3994	0.0999
15	2.2639	2.3159	0.0305	0.5882	0.3975	0.0994
16	2.2688	2.3127	0.0285	0.5861	0.3903	0.0976
17	2.2723	2.3114	0.0216	0.5774	0.3664	0.0916
18	2.2751	2.3111	0.0156	0.5695	0.3444	0.0861
19	2.2779	2.3105	0.0154	0.5707	0.3446	0.0861
20	2.2799	2.3114	0.0069	0.5540	0.3059	0.0765

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.10 BETA = 0.05

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.0869	7.2669	0.0065	0.0584	0.2839	0.0149
2	0.5486	3.4231	0.0244	0.2194	0.4948	0.0260
3	0.8324	2.6371	0.0297	0.2673	0.4895	0.0258
4	1.0156	2.2911	0.0318	0.2863	0.4818	0.0254
5	1.1396	2.1021	0.0324	0.2920	0.4717	0.0248
6	1.2285	1.9844	0.0328	0.2951	0.4650	0.0245
7	1.2948	1.9052	0.0330	0.2969	0.4606	0.0242
8	1.3456	1.8490	0.0331	0.2981	0.4576	0.0241
9	1.3855	1.8075	0.0332	0.2988	0.4556	0.0240
10	1.4184	1.7753	0.0336	0.3027	0.4595	0.0242
11	1.4448	1.7505	0.0336	0.3027	0.4587	0.0241
12	1.4658	1.7312	0.0334	0.3007	0.4574	0.0241
13	1.4831	1.7155	0.0333	0.2998	0.4614	0.0243
14	1.4983	1.7022	0.0337	0.3039	0.4625	0.0243
15	1.5129	1.6905	0.0348	0.3129	0.4773	0.0251
16	1.5238	1.6817	0.0340	0.3059	0.4791	0.0252
17	1.5319	1.6747	0.0329	0.2959	0.4728	0.0249
18	1.5390	1.6685	0.0328	0.2948	0.4728	0.0249
19	1.5444	1.6633	0.0318	0.2865	0.4862	0.0256
20	1.5485	1.6587	0.0309	0.2784	0.4822	0.0254

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.10 BETA = 0.10

THE RESULTS OF THIS CASE ARE

K	A(K)	R(K)	PROBABILITY OF THE EVENT REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2353	5.9021	0.0167	0.1505	0.3596	0.0400
2	0.8711	3.0201	0.0429	0.3857	0.5384	0.0598
3	1.1571	2.4769	0.0440	0.3995	0.5010	0.0557
4	1.3309	2.2269	0.0453	0.4098	0.4914	0.0546
5	1.4417	2.0914	0.0454	0.4096	0.4806	0.0534
6	1.5174	2.0082	0.0454	0.4092	0.4737	0.0526
7	1.5714	1.9531	0.0454	0.4091	0.4693	0.0521
8	1.6114	1.9146	0.0455	0.4093	0.4664	0.0518
9	1.6416	1.8866	0.0455	0.4098	0.4645	0.0516
10	1.6651	1.8657	0.0456	0.4103	0.4631	0.0515
11	1.6836	1.8497	0.0457	0.4109	0.4621	0.0513
12	1.6984	1.8372	0.0457	0.4115	0.4613	0.0512
13	1.7104	1.8272	0.0458	0.4125	0.4629	0.0514
14	1.7204	1.8192	0.0460	0.4143	0.4649	0.0517
15	1.7286	1.8128	0.0461	0.4145	0.4649	0.0517
16	1.7353	1.8076	0.0460	0.4145	0.4644	0.0516
17	1.7409	1.8033	0.0457	0.4134	0.4639	0.0515
18	1.7454	1.7998	0.0451	0.4117	0.4614	0.0513
19	1.7493	1.7971	0.0438	0.4110	0.4581	0.0509
20	1.7526	1.7951	0.0409	0.4092	0.4510	0.0501

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.10 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.4363	5.1079	0.0290	0.2610	0.4127	0.0728
2	1.1715	2.8376	0.1572	0.5144	0.5577	0.0984
3	1.4438	2.4304	0.0548	0.5013	0.5066	0.0894
4	1.6006	2.2400	0.0557	0.5061	0.4976	0.0878
5	1.6959	2.1379	0.0557	0.5037	0.4881	0.0861
6	1.7580	2.0767	0.0557	0.5027	0.4822	0.0851
7	1.8006	2.0371	0.0558	0.5027	0.4785	0.0844
8	1.8309	2.0102	0.0556	0.5032	0.4761	0.0840
9	1.8529	1.9913	0.0560	0.5039	0.4745	0.0837
10	1.8694	1.9776	0.0561	0.5049	0.4742	0.0837
11	1.8819	1.9674	0.0562	0.5055	0.4737	0.0836
12	1.8915	1.9598	0.0562	0.5061	0.4731	0.0835
13	1.8990	1.9540	0.0562	0.5065	0.4724	0.0834
14	1.9048	1.9495	0.0558	0.5063	0.4713	0.0832
15	1.9093	1.9462	0.0538	0.5049	0.4666	0.0823
16	1.9128	1.9445	0.0458	0.4998	0.4493	0.0793
17	1.9153	1.9445	0.0304	0.4884	0.4140	0.0730
18	1.9178	1.9441	0.0305	0.4892	0.4157	0.0733
19	1.9198	1.9450	0.0169	0.4756	0.3793	0.0669
20	1.9222	1.9443	0.0267	0.4889	0.4146	0.0731

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.10 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.695589	4.556231	0.042505	0.382543	0.454056	0.113555
2	1.473628	2.758706	0.135872	1.231605	1.130448	0.282143
3	1.725102	2.437588	0.064943	0.589587	0.513627	0.128267
4	1.857686	2.294525	0.064917	0.588314	0.502661	0.125317
5	1.935054	2.218885	0.065297	0.587774	0.496131	0.124303
6	1.982598	2.175319	0.065166	0.586542	0.491019	0.123016
7	2.013318	2.148299	0.065121	0.585913	0.487934	0.121904
8	2.034157	2.130635	0.065215	0.586832	0.486146	0.121730
9	2.048529	2.118740	0.065232	0.587016	0.484759	0.121120
10	2.058789	2.110472	0.065376	0.588345	0.484030	0.121330
11	2.066184	2.104632	0.065469	0.589184	0.483433	0.121292
12	2.071565	2.100442	0.065518	0.589638	0.482942	0.121045
13	2.075520	2.097393	0.065537	0.589809	0.482524	0.120646
14	2.078450	2.095146	0.065528	0.589736	0.482145	0.120115
15	2.080690	2.093462	0.065690	0.591204	0.482138	0.120790
16	2.082364	2.092204	0.065635	0.590712	0.481790	0.120049
17	2.083658	2.091247	0.065777	0.591995	0.481829	0.120698
18	2.084642	2.090522	0.065777	0.591986	0.481664	0.120406
19	2.085407	2.089966	0.065881	0.592921	0.481706	0.120879
20	2.085991	2.089541	0.065859	0.592715	0.481559	0.120487

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.15 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.101353	6.384180	0.011972	0.067842	0.330783	0.017410
2	0.562493	3.049671	0.079389	0.450854	1.079253	0.056266
3	0.828267	2.376699	0.046048	0.262070	0.526001	0.027537
4	0.996915	2.077448	0.048895	0.277291	0.518436	0.027149
5	1.110498	1.913843	0.050008	0.283841	0.509567	0.027030
6	1.188677	1.814210	0.049957	0.283303	0.500568	0.026316
7	1.247275	1.746247	0.050500	0.286252	0.496429	0.026312
8	1.291733	1.698226	0.050693	0.287312	0.492126	0.026191
9	1.325910	1.663128	0.050638	0.286981	0.488258	0.025860
10	1.352533	1.636693	0.050415	0.285703	0.484918	0.025337
11	1.374808	1.615538	0.050995	0.288934	0.484545	0.025644
12	1.392419	1.599164	0.050648	0.287015	0.481480	0.025096
13	1.407375	1.585686	0.051029	0.289152	0.481183	0.025253
14	1.419741	1.574770	0.050995	0.288973	0.479669	0.025041
15	1.430345	1.565646	0.051278	0.290571	0.479335	0.025166
16	1.439460	1.558003	0.051540	0.292057	0.478934	0.025323
17	1.446862	1.551790	0.051055	0.289310	0.476756	0.024620
18	1.453659	1.546274	0.051772	0.293383	0.478101	0.025252
19	1.459213	1.541758	0.051287	0.290629	0.476023	0.024583
20	1.464355	1.537707	0.051955	0.294414	0.477302	0.025205

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.15 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.2746	5.0311	0.0306	0.1733	0.4182	0.0465
2	0.8939	2.6424	0.0694	0.3935	0.5864	0.0652
3	1.1523	2.1975	0.0696	0.3956	0.5451	0.0606
4	1.3038	1.9949	0.0708	0.4018	0.5350	0.0594
5	1.3982	1.8857	0.0707	0.4011	0.5253	0.0584
6	1.4611	1.8195	0.0707	0.4008	0.5193	0.0577
7	1.5050	1.7763	0.0707	0.4011	0.5155	0.0573
8	1.5367	1.7465	0.0709	0.4019	0.5149	0.0572
9	1.5602	1.7253	0.0710	0.4023	0.5139	0.0571
10	1.5782	1.7096	0.0713	0.4043	0.5152	0.0572
11	1.5918	1.6980	0.0712	0.4037	0.5151	0.0572
12	1.6023	1.6891	0.0711	0.4026	0.5138	0.0571
13	1.6109	1.6821	0.0716	0.4057	0.5202	0.0578
14	1.6177	1.6766	0.0715	0.4052	0.5210	0.0579
15	1.6231	1.6722	0.0712	0.4044	0.5206	0.0578
16	1.6274	1.6688	0.0704	0.4033	0.5190	0.0577
17	1.6308	1.6663	0.0678	0.3993	0.5195	0.0577
18	1.6335	1.6646	0.0627	0.3967	0.5095	0.0566
19	1.6357	1.6638	0.0526	0.3891	0.4909	0.0545
20	1.6377	1.6633	0.0467	0.3869	0.4805	0.0533

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.15 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.509369	4.251683	0.052495	0.297470	0.478662	0.084484
2	1.195510	2.466181	0.182678	1.037247	1.211295	0.212961
3	1.431956	2.142426	0.087897	0.499710	0.557881	0.097973
4	1.559233	1.998682	0.088043	0.500663	0.547403	0.096283
5	1.633848	1.922956	0.088235	0.500094	0.540441	0.095344
6	1.679983	1.879054	0.087955	0.498448	0.535299	0.094005
7	1.710386	1.851448	0.088038	0.498785	0.532564	0.093504
8	1.731368	1.833191	0.088364	0.500695	0.531119	0.093832
9	1.746048	1.820798	0.088538	0.501694	0.529942	0.093765
10	1.756465	1.812179	0.088587	0.501979	0.528985	0.093344
11	1.764113	1.806004	0.088872	0.503602	0.528684	0.093697
12	1.769653	1.801561	0.088753	0.502924	0.527912	0.092829
13	1.773809	1.798277	0.088901	0.503765	0.527702	0.092848
14	1.776947	1.795826	0.089005	0.504365	0.527496	0.092790
15	1.779332	1.793980	0.089075	0.504758	0.527301	0.092659
16	1.781196	1.792568	0.089434	0.506789	0.527587	0.093550
17	1.782617	1.791498	0.089417	0.506693	0.527370	0.093223
18	1.783706	1.790678	0.089371	0.506429	0.527149	0.092810
19	1.784564	1.790041	0.089578	0.507601	0.527305	0.093303
20	1.785230	1.789549	0.089560	0.507497	0.527177	0.093042

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.15 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.811918	3.718832	0.075949	0.430376	0.524965	0.131245
2	1.502696	2.383863	0.218551	1.238507	1.231359	0.306610
3	1.704155	2.150620	0.103685	0.590610	0.567762	0.141699
4	1.801738	2.052376	0.103408	0.588644	0.558469	0.139583
5	1.853821	2.003512	0.103617	0.587201	0.553433	0.138267
6	1.883690	1.976838	0.103639	0.587205	0.550316	0.137733
7	1.901596	1.961345	0.103649	0.587310	0.548431	0.137161
8	1.912758	1.951919	0.103751	0.587906	0.547386	0.136939
9	1.919853	1.946009	0.103744	0.587875	0.546592	0.136290
10	1.924513	1.942191	0.103896	0.588738	0.546269	0.136399
11	1.927607	1.939684	0.103977	0.589203	0.545999	0.136275
12	1.929684	1.938014	0.104008	0.589381	0.545765	0.135981
13	1.931113	1.936882	0.104230	0.590649	0.545857	0.136649
14	1.932085	1.936114	0.104181	0.590353	0.545638	0.136078
15	1.932761	1.935584	0.104302	0.591050	0.545684	0.136371
16	1.933231	1.935218	0.104339	0.591273	0.545644	0.136314
17	1.933562	1.934962	0.104479	0.592075	0.545741	0.136797
18	1.933791	1.934784	0.104379	0.591451	0.545576	0.136049
19	1.933952	1.934659	0.104355	0.591388	0.545485	0.135831
20	1.934069	1.934571	0.104606	0.592776	0.545763	0.136891

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.20 BETA = 0.05

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.113841	5.720218	0.018969	0.075876	0.371117	0.019534
2	0.572223	2.764497	0.114416	0.459202	1.151428	0.059837
3	0.821959	2.174233	0.064087	0.257181	0.556413	0.029000
4	0.979194	1.909559	0.067550	0.270615	0.549308	0.028803
5	1.083123	1.765464	0.068820	0.275572	0.540697	0.028699
6	1.153507	1.678370	0.068545	0.274312	0.531940	0.027931
7	1.205504	1.619290	0.069146	0.276632	0.528183	0.027888
8	1.244435	1.577760	0.069331	0.277345	0.524347	0.027709
9	1.274003	1.547580	0.069206	0.276836	0.520879	0.027314
10	1.297459	1.524572	0.069528	0.278117	0.519256	0.027272
11	1.316217	1.506765	0.069728	0.278911	0.517660	0.027188
12	1.331341	1.492773	0.069808	0.279233	0.516180	0.027022
13	1.343996	1.481414	0.070350	0.281405	0.515975	0.027265
14	1.354007	1.472493	0.069754	0.279017	0.513494	0.026560
15	1.362521	1.465042	0.070053	0.280215	0.513408	0.026566
16	1.369778	1.458811	0.070356	0.281428	0.513214	0.026642
17	1.375982	1.453583	0.070634	0.282540	0.512993	0.026734
18	1.381300	1.449178	0.070876	0.283508	0.512774	0.026814
19	1.385873	1.445450	0.071077	0.284313	0.512561	0.026870
20	1.389815	1.442279	0.071237	0.284955	0.512350	0.026896

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THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.20 BETA = 0.10

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.308417	4.377274	0.048118	0.192473	0.468357	0.052042
2	0.904490	2.357272	0.197828	0.792106	1.248449	0.138320
3	1.138700	1.983039	0.097416	0.391013	0.581806	0.064427
4	1.271738	1.814650	0.098529	0.395451	0.572236	0.063478
5	1.353234	1.724188	0.099176	0.396800	0.565106	0.063133
6	1.404877	1.671042	0.098558	0.394271	0.558587	0.061772
7	1.440697	1.636383	0.099099	0.396409	0.556119	0.061935
8	1.465948	1.612998	0.099322	0.397291	0.553895	0.061776
9	1.484053	1.596711	0.099297	0.397190	0.552020	0.061255
10	1.497617	1.584875	0.099758	0.399035	0.551414	0.061479
11	1.507863	1.576154	0.100084	0.400338	0.550825	0.061568
12	1.515669	1.569635	0.100280	0.401126	0.550278	0.061493
13	1.521667	1.564697	0.100365	0.401465	0.549755	0.061260
14	1.526316	1.560907	0.100361	0.401447	0.549245	0.060904
15	1.529948	1.557964	0.100283	0.401135	0.548728	0.060445
16	1.532890	1.555620	0.100699	0.402801	0.548969	0.060851
17	1.535275	1.553752	0.101104	0.404421	0.549211	0.061300
18	1.537155	1.552282	0.100927	0.403716	0.548705	0.060778
19	1.538695	1.551095	0.101233	0.404934	0.548922	0.061096
20	1.539917	1.550151	0.100957	0.403832	0.548367	0.060426

*

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.20 BETA = 0.15

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.572258	3.610712	0.081859	0.327437	0.534893	0.094407
2	1.206369	2.178976	0.259459	1.039923	1.290235	0.226810
3	1.410057	1.920547	0.124565	0.498728	0.600883	0.105841
4	1.512420	1.810814	0.124024	0.497541	0.590823	0.104150
5	1.569369	1.754839	0.124253	0.497040	0.585524	0.103409
6	1.603278	1.723388	0.124374	0.497504	0.582281	0.103139
7	1.624213	1.704609	0.124262	0.497034	0.580043	0.102291
8	1.637785	1.692763	0.124466	0.497861	0.579006	0.102127
9	1.646747	1.685070	0.124475	0.497901	0.578135	0.101558
10	1.652967	1.679874	0.125134	0.500536	0.578328	0.102586
11	1.657165	1.676379	0.124868	0.499470	0.577543	0.101463
12	1.660149	1.673939	0.125302	0.501208	0.577737	0.102104
13	1.662241	1.672237	0.125255	0.501019	0.577429	0.101607
14	1.663749	1.671024	0.125520	0.502077	0.577545	0.101945
15	1.664839	1.670157	0.125709	0.502838	0.577611	0.102143
16	1.665627	1.669533	0.125769	0.503081	0.577561	0.102044
17	1.666197	1.669082	0.125714	0.502858	0.577397	0.101673
18	1.666621	1.668751	0.126053	0.504229	0.577697	0.102377
19	1.666932	1.668509	0.126134	0.504542	0.577723	0.102410
20	1.667160	1.668332	0.126116	0.504453	0.577644	0.102203

*

THIS CASE HAS PARAMETERS AS FOLLOWS

C1 = 1.0 C2 = 4.0 ALPHA = 0.20 BETA = 0.20

THE RESULTS OF THIS CASE ARE

			PROBABILITY OF THE EVENT			
K	A(K)	R(K)	REJ/H1	ACC/H1	REJ/H2	ACC/H2
1	0.912961	3.092629	0.117227	0.468906	0.585136	0.146324
2	1.509713	2.102036	0.308315	1.238133	1.311424	0.327344
3	1.665699	1.931966	0.147677	0.591547	0.615764	0.153756
4	1.732622	1.866752	0.146423	0.587899	0.606949	0.151491
5	1.765132	1.836678	0.146838	0.587338	0.603636	0.150984
6	1.781833	1.821688	0.146641	0.586561	0.601204	0.150100
7	1.790909	1.813720	0.146731	0.586922	0.600018	0.149991
8	1.795965	1.809330	0.146635	0.586541	0.599087	0.149309
9	1.798905	1.806820	0.146957	0.587828	0.598894	0.150041
10	1.800611	1.805370	0.146858	0.587426	0.598404	0.149425
11	1.801627	1.804513	0.146950	0.587792	0.598232	0.149503
12	1.802233	1.804002	0.146830	0.587325	0.597914	0.148900
13	1.802605	1.803692	0.147128	0.588500	0.598082	0.149758
14	1.802833	1.803503	0.147194	0.588798	0.598049	0.149881
15	1.802972	1.803388	0.147053	0.588234	0.597847	0.149255
16	1.803058	1.803317	0.147254	0.588990	0.597933	0.149838

*

REFERENCES

[1] Barr, D. R., "Two Sequential CEP Tests," Naval Postgraduate School Technical Report NPS55Bn74061 (1974).

[2] Barr, D. R., and M. F. Jordan, "A Power Distribution Model for Weapon Accuracy," Naval Postgraduate School Technical Report NPS55Bn74011 (1974).

[3] Gavlak, M. W., "An Examination of the Wald Stopping Bounds for the Sequential Probability Ratio Test," Naval Postgraduate School Thesis, (1970).

[4] Harter, H. L., "Circular Error Probabilities," J. Amer. Statist. Assoc., 55, 161-165 (1967).

[5] Mastran, D., "An Application of the Cauchy Distribution to Bombing Accuracy," Air Force Operations Analysis Headquarters Paper 70-5, (1970).

[6] Cox, C. P. and T. D. Roseberry, "A Note on the Variance of the Distribution of Sample Number in Sequential Probability Ratio Tests," Technometrics, 8, No. 4, 700-704 (1966).

[7] Sarhan, A. E., and B. G. Greenberg, Contributions to Order Statistics, John Wiley & Sons, New York (1962).

[8] Wald, A., Sequential Analysis, John Wiley & Sons, New York (1947).

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