Topics in Time Series Regressions:

Pre-Test Estimators and Panel Data Analysis

by

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Topics in Time Series Regressions: Pre-Test Estimators and Panel Data Analysis

Thesis directed by Professor Robert F. McNown

This dissertation consists of three essays on time series econometrics, examining some implications of non-stationary data for standard estimation and testing procedures.

The first chapter studies the asymptotic distributions of the ordinary least squares (OLS), fixed effects (FE), and first-difference (FD) estimators in the panel cointegration model. We show that all the estimators are asymptotically normal and only OLS estimator is consistent. We use Monte Carlo experiments to examine and compare finite sample properties of OLS, FE, and FD estimators when endogeneity of the regressor and serial correlation in the error terms are included, and evaluate the effectiveness of the autoregressive transformations in panel cointegraion regression. We find that OLS is preferred in terms of bias and size and autoregressive transformation is not a reliable procedure in terms of reducing bias.

The second chapter expands on Entorf's results [Journal of Econometrics, 80 (1997) 287-296] on panel spurious regressions. We replicate Entorf's experiments and emphasize the role of drifts and the relative number of time series (T) and cross sectional observations (n) in the estimations and tests. Generally, the spurious regressions phenomenon arises even for large n and small T.

The third chapter investigates the properties of the pre-test estimation and hypothesis test after pre-testing for a unit root in an ARMA(1,1) model. We examine the recursive bootstrap and moving-block methods in estimation after pre-test to approximate the distribution of pre-test estimators and compare bootstrap inference with conventional asymptotic inference.

Dedication

To My Family

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CHAPTER 1

Panel Cointegration Regression and Autoregressive Transformation

1.1 Introduction

The developments of panel data analysis with non-stationary data have proceeded at a rapid rate. The theoretical literature on this area can be roughly categorized into three topics: the panel unit root tests, the panel cointegration tests, and the estimation of cointegrating relations in panels. See the excellent surveys of Banerjee (1999), Baltagi and Kao (2000), Choi (2006), and Breitung and Pesaran (2008).

There have been a number of studies to derive the asymptotic properties of estimators in panel cointegration regressions using the limit theories for nonstationary panel regression established by Phillips and Moon (1999). Unlike the earlier studies where the time dimension (T) is fixed and the cross section dimension (n) is large[1], they require the rate condition $n/T \to 0$. This implies that their limit theory is useful in cases where n is adequate and T is large. Under this condition, their limit theory allows for both sequential limits where T goes to infinity with fixed n followed by n approaches to infinity, and joint limits where both T and n pass to infinity simultaneously.

Phillips and Moon (1999) also develop the asymptotic distributions of OLS estimators in (a) panel spurious regression, (b) heterogeneous panel cointegration: different long-run equilibrium

[1] Refer to Hsiao (1986), Matyas and Sevestre (1992), Baltagi (2000), and Arellano (2003) for researches within this framework.

relation across each individual, (c) homogeneous panel cointegration: same long-run equilibrium relation across each individual, and (d) near-homogeneous panel cointegration: same cointegration relation with different constants across each individual. They show that all the OLS estimators in above cases are consistent and asymptotically normal. They also propose pooled FM-OLS method to correct endogeneity and serial correlation and to obtain consistent estimators for homogeneous and near-homogeneous cointegration regressions. Kao and Chiang (2000) derive and compare pooled ordinary least squares (OLS), fully-modified OLS (FM-OLS), and dynamic OLS (DOLS) estimators and show that all three estimators have Gaussian limiting distributions in panel cointegrated regression. They propose a DOLS estimation to correct for the endogeneity and serial correlation just like FM-OLS estimation. They find that there exists a bias of an OLS estimator in small samples and the DOLS estimator is better than other estimators in terms of the mean biases and t-statistics. Chiang *et al.* (2007) derive asymptotic distributions of the OLS, FMOLS, and DOLS estimators in panel cointegration model with a deterministic time trend. They show that the variances of the estimators are larger than those in the panel cointegration model without a deterministic trend. Jung (2008) studies the limiting distributions of OLS and least square dummy variable (LSDV) estimators in both spurious and cointegrated panel regression and FMOLS estimator in cointegrated panel regression when T is fixed and n is large. He find that all the estimators are consistent but the asymptotic variance of the LSDV estimator is larger than that of Kao and Chiang (2000) for large T. Baltagi *et al.* (2008) investigate the asymptotic properties of OLS, fixed effects (FE), first-difference (FD), and generalized least squares (GLS) estimators in both spurious and cointegrated panel data regression. They consider four different panel structures which allow for the stationary and non-stationary disturbances. They show that all the estimators converge to different regression

coefficients and are asymptotically normal with different convergence speeds[2]. They also compare the efficiencies of estimators. Only the OLS estimator is consistent in the cointegration case.

The first-difference method in panel data analysis is a common way to deal with unobserved effects. It is well known that the FD estimator is more efficient than the FE estimator when the error terms are non-stationary. Song and Stemann (1999) show the FD estimator is equivalent to the GLS estimator in the usual panel linear regression models with autoregressive error process. Baltagi and Li (1991) propose the Prais-Winston transformation for panel data regression with serially correlated disturbances and derive a feasible generalized least square estimator. However, McNown and Wallace (1997) argue that first-differencing or autoregressive transformation in cointegrated time series regression can cause serious bias in estimates if the transformation eliminates any long-run information in the data set. Song *et al.* (2002) compare efficiency of the OLS estimator, FD estimator, GLS estimator, and the Cochrane-Orcutt-Transformation estimator (COTE) in panel linear regression with AR(1) error process and show that the FD estimator is worse than other estimators where the autocorrelation is constant and T approaches to infinity.

In this study, we extend McNown and Wallace's (1997) results to the panel cointegration model with endogeneity of the regressor and serial correlation in the error terms. The purposes of this study are to examine how the autoregressive transformations and the FD estimation work in panel cointegration regressions. We investigate the properties of the standard OLS, FE, FD estimators and these estimators after autoregressive transformation in panel cointegration with bivariate and AR(1) error structure. The asymptotic properties of the standard OLS, FE, FD

[2] For example, the OLS and FD estimator converge at rate $\sqrt{nT}$ and the FE and GLS estimator converge at rate $\sqrt{n}T$ in a panel cointegration model.

estimators will be shown through the analytical expressions. The finite sample properties of the standard estimators and these estimators after autoregressive transformation will be presented through Monte-Carlo experiments. The results show that the FD estimator has large bias under strong endogeneity and autoregressive transformations also cause biases if autocorrelation is severe.

1.2 The Model and Assumptions

Let us consider the following panel data regression model with fixed effects:

$$x_{it} - x_{it-1} = \varepsilon_{it}, \tag{1.2.1}$$

$$y_{it} = \alpha_i + \beta x_{it} + u_{it}, \quad i = 1, \cdots, n, t = 1, \cdots, T, \tag{1.2.2}$$

where x_{it} and y_{it} are $I(1)$ variables for the *i*-th cross sectional unit for the *t*-th time period, α_i are individual constant terms, and β is the slope parameter. By construction, eqution (1.2.2) shows the cointegrating relationship between y_{it} and x_{it}. For each *i*, we first assume that the innovation vector $w_{it} = (u_{it}, \varepsilon_{it})'$ is a bivariate process with zero mean vector and the covariance matrix of w_{it}:

$$\begin{pmatrix} u_{it} \\ \varepsilon_{it} \end{pmatrix} \sim iid \left\{ \begin{bmatrix} 0 \\ 0 \end{bmatrix}, \begin{bmatrix} \sigma_u^2 & \sigma_{u\varepsilon} \\ \sigma_{\varepsilon u} & \sigma_\varepsilon^2 \end{bmatrix} \right\}, \tag{1.2.3}$$

where $u_{i0} = \varepsilon_{it} = 0$. w_{it} is assumed to be independent across *i*, and also assume $E({w_{it}}^4) =$

μ_4 exists and is finite. It follows that the partial sum process $\frac{1}{\sqrt{T}}\sum_{t=1}^{[Tr]} w_{it}$ satisfies the multivariate invariance principle.[3]

$$\frac{1}{\sqrt{T}}\sum_{t=1}^{[Tr]} w_{it} \Rightarrow B_i(r) \equiv BM_i(\Sigma) \; as \; T \to \infty \text{ for all } i, \tag{1.2.4}$$

with

$$\Sigma = \sum_{\mathrm{j}=-\infty}^{\infty} \mathrm{E}\left(w_{ij} w_{i0}'\right) = \Phi + \Lambda + \Lambda' = \begin{bmatrix} \sigma_u^2 & \sigma_{u\varepsilon} \\ \sigma_{\varepsilon u} & \sigma_\varepsilon^2 \end{bmatrix}, \tag{1.2.5}$$

$$\Lambda = \sum_{\mathrm{j}=1}^{\infty} \mathrm{E}\left(w_{ij} w_{i0}'\right) = \begin{bmatrix} \lambda_{\mathrm{uu}} & \lambda_{\mathrm{u\varepsilon}} \\ \lambda_{\mathrm{\varepsilon u}} & \lambda_{\mathrm{\varepsilon\varepsilon}} \end{bmatrix}, \tag{1.2.6}$$

and

$$\Phi = \mathrm{E}(w_{i0} w_{i0}') = \begin{bmatrix} \phi_u^2 & \phi_{u\varepsilon} \\ \phi_{\varepsilon u} & \phi_\varepsilon^2 \end{bmatrix}, \tag{1.2.7}$$

where $[Tr]$ denotes the integer part of Tr, $\Rightarrow$ denotes weak convergence, $B_i = \{B_{ui},\ B_{\varepsilon i}\}'$, and $BM_i(\Sigma)$ is a vector Brownian motion with asymptotic covariance Σ. Here, the long-run covariance matrix, Σ, is the sum of all covariance back and forth of w_{it}. Λ is sums of correlation across time and Φ is the contemporary correlation. Then, for instance, we can assume exogeneity by $\sigma_{u\varepsilon} = 0$ in this structure. Define $\sigma_{u.\varepsilon} = \sigma_u^2 - \sigma_{u\varepsilon}\sigma_\varepsilon^{-2}$, then the long-run covariance matrix of $(\eta_{it},\ \varepsilon_{it})'$ is given by

$$\Omega_{u.\varepsilon} = \begin{bmatrix} \sigma_{u.\varepsilon} & \sigma_{u\varepsilon}/\sigma_\varepsilon \\ 0 & \sigma_\varepsilon \end{bmatrix}. \tag{1.2.8}$$

The functional central limit theorem implies:

$$\frac{1}{\sqrt{T}}\sum_{t=1}^{[Tr]} \begin{pmatrix} u_{it} \\ \varepsilon_{it} \end{pmatrix} \Rightarrow \begin{bmatrix} B_u(r) \\ B_\varepsilon(r) \end{bmatrix} \equiv BM(\Omega_{u.\varepsilon}) = \begin{bmatrix} \sigma_{u.\varepsilon} & \sigma_{u\varepsilon}/\sigma_\varepsilon \\ 0 & \sigma_\varepsilon \end{bmatrix} \begin{bmatrix} W_u \\ W_\varepsilon \end{bmatrix} \; as \; T \to \infty \tag{1.2.9}$$

where W is a standardized Brownian motion. And the one-sided long-run covariance is[4]

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[3] See Phillips and Moon (1999) for detail.
[4] Baltagi *et al.* (2008)

$$\Delta = \sum_{j=0}^{\infty} \mathrm{E}\left(w_{ij} w_{i0}'\right) = \Phi + \Lambda = \begin{bmatrix} \delta_u^2 & \delta_{u\varepsilon} \\ \delta_{\varepsilon u} & \delta_\varepsilon^2 \end{bmatrix} \quad (1.2.10)$$

1.2.1 The OLS Estimator

Let us first study the limiting distribution of the OLS estimator. The OLS estimator of β is given by

$$\hat{\beta}_{OLS} = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it} y_{it}}{\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it}^2} \quad (1.2.11)$$

Then

$$\left(\hat{\beta}_{OLS} - \beta\right) = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it} u_{it}}{\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it}^2}$$

First consider the denominator. Using the sequential limit theory established by Phillips and Moon (1999), we derive the asymptotic distribution of the estimators assuming *n* is fixed and *T* approaches infinity first and then *n* goes to infinity subsequently.[5] For a fixed *n*,

$$\frac{1}{n}\sum_{i=1}^{n} \frac{1}{T^2}\sum_{t=1}^{T} x_{it}^2 = \frac{1}{n}\sum_{i=1}^{n} \frac{1}{T}\sum_{t=1}^{T} \left(\frac{x_{it}}{\sqrt{T}}\right)^2 \Rightarrow \frac{1}{n}\sum_{i=1}^{n} \sigma_\varepsilon^2 \int W_\varepsilon^2$$

as $T \to \infty$ because $T^{-1}\sum_{t=1}^{T} x_{it}^2 \Longrightarrow \sigma_\varepsilon^2 \int W_\varepsilon^2$. Throughout all derivations we write the integral $\int_0^1 W(r)dr$ as $\int W$. Then

$$\frac{1}{n}\sum_{i=1}^{n} \sigma_\varepsilon^2 \int W_\varepsilon^2 \xrightarrow{p} \frac{\sigma_\varepsilon^2}{2}$$

as $n \to \infty$ by a law of large numbers (LLN). Because $E\int W^2 = \frac{1}{2}$.[6]

Next we consider the numerator. For a fixed *n*,

$$n^{-1}T^{-\frac{3}{2}}\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it}u_{it} = T^{-\frac{1}{2}}n^{-1}\sum_{i=1}^{n} T^{-1}\sum_{t=1}^{T} x_{it}u_{it} \Longrightarrow \frac{1}{\sqrt{T}} o_p(1) \xrightarrow{p} 0$$

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[5] Phillips and Moon (1999)
[6] Levin and Lin (1993)

as $(n,\ T) \xrightarrow{seq} \infty$ because $T^{-1}\sum_{t=1}^{T} x_{it}u_{it} \Rightarrow \sigma_\varepsilon\sigma_u \int W_\varepsilon\, dW_u$ and $E(\sigma_\varepsilon\sigma_u \int W_\varepsilon\, dW_u) = 0$.

Then

$$n^{-\frac{1}{2}}T^{-\frac{3}{2}}\sum_{i=1}^{n}\sum_{t=1}^{T} x_{it}u_{it} = T^{-\frac{1}{2}}n^{-\frac{1}{2}}\sum_{i=1}^{n} T^{-1}\sum_{t=1}^{T} x_{it}u_{it} \Rightarrow \frac{1}{\sqrt{T}}O_p(1)$$

as $(n,\ T) \xrightarrow{seq} \infty$.

Hence, we have

$$\sqrt{T}\left(\hat{\beta}_{OLS} - \beta\right) \xrightarrow{p} 0 \tag{1.2.12}$$

$$\sqrt{nT}\left(\hat{\beta}_{OLS} - \beta\right) \Rightarrow N\left(0, \frac{4}{\sigma_\varepsilon^4}\right). \tag{1.2.13}$$

We note that the convergence speed is $\sqrt{nT}$ and the disturbance term in (1.2.1) affects the asymptotic variance of $\hat{\beta}_{OLS}$. The asymptotic variance of $\hat{\beta}_{OLS}$ differs from that of case 3 in Baltagi *et al.* (2008), because our model do not impose the individual effect.

1.2.2 The FE estimator

The FE estimator of β is given by

$$\hat{\beta}_{FE} = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)(y_{it}-\bar{y}_i)}{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)^2} \tag{1.2.14}$$

Then

$$\left(\hat{\beta}_{FE} - \beta\right) = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)u_{it}}{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)^2}$$

where $\bar{x}_i = T^{-1}\sum_{t=1}^{T} x_{it}$ and $\bar{y}_i = T^{-1}\sum_{t=1}^{T} y_{it}$.

Consider the denominator. For a fixed *n*,

$$\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T^2}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)^2 \Rightarrow \frac{1}{n}\sum_{i=1}^{n}\sigma_\varepsilon^2 \int \breve{W}_\varepsilon$$

as $T \to \infty$. Where $\int \breve{W}_\varepsilon$ is the integral of a demeaned Brownian motion. As $n \to \infty$,

$$\frac{1}{n}\sum_{i=1}^{n} \sigma_\varepsilon^2 \int \breve{W}_\varepsilon \xrightarrow{p} \frac{\sigma_\varepsilon^2}{6}$$

by a law of large numbers (LLN) because $E\int \breve{W}_\varepsilon{}^2 = \frac{1}{6}$[7].

Next we consider the numerator. For a fixed *n*,

$$\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)u_{it} = \frac{1}{n}\sum_{i=1}^{n}\frac{1}{T}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)u_{it}$$

$$\Longrightarrow \frac{1}{n}\sum_{i=1}^{n}\left[\sigma_\varepsilon \sigma_{u.\varepsilon}^{1/2} \int \breve{W}_\varepsilon dW_u + \sigma_{\varepsilon u}\int \breve{W}_\varepsilon dW_\varepsilon + \delta_{\varepsilon u}\right]$$[8]

as $T \to \infty$, by a central limit theorem (CLT). And

$$\frac{1}{n}\sum_{i=1}^{n}\left[\sigma_\varepsilon \sigma_{u.\varepsilon}^{1/2} \int \breve{W}_\varepsilon dW_u + \sigma_{\varepsilon u}\int \breve{W}_\varepsilon dW_\varepsilon + \delta_{\varepsilon u}\right] \xrightarrow{p} -\frac{1}{2}\sigma_{\varepsilon u} + \delta_{\varepsilon u}$$[9]

as $n \to \infty$ by a LLN. Then

$$\frac{1}{\sqrt{n}T}\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)u_{it} - \sqrt{n}\left[\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)\varepsilon_{it}\frac{\sigma_{\varepsilon u}}{\sigma_\varepsilon^2} + \delta_{\varepsilon u}\right]$$

$$\Longrightarrow \frac{1}{\sqrt{n}}\sum_{i=1}^{n}\left\{\sigma_\varepsilon \sigma_{u.\varepsilon}^{1/2} \int \breve{W}_\varepsilon dW_u + \sigma_{\varepsilon u}\int \breve{W}_\varepsilon dW_\varepsilon + \delta_{\varepsilon u}\right\} - \frac{1}{\sqrt{n}}\sum_{i=1}^{n}\left\{\sigma_{\varepsilon u}\int \breve{W}_\varepsilon dW_\varepsilon + \delta_{\varepsilon u}\right\}$$

$$= \frac{1}{\sqrt{n}}\sum_{i=1}^{n}\left\{\sigma_\varepsilon \sigma_{u.\varepsilon}^{1/2} \int \breve{W}_\varepsilon dW_u\right\}$$

$$\Longrightarrow N\left(0, \frac{\sigma_\varepsilon^2 \sigma_{u.\varepsilon}}{6}\right)$$ [10]

as $(n,\ T) \xrightarrow{seq} \infty$.

Hence, we have

$$T\left(\hat{\beta}_{FE} - \beta\right) \xrightarrow{p} \frac{-3\sigma_{\varepsilon u} + 6\delta_{\varepsilon u}}{\sigma_\varepsilon^2} \qquad (1.2.15)$$

$$\sqrt{n}T\left(\hat{\beta}_{FE} - \beta\right) - \sqrt{n}\frac{\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)\varepsilon_{it}\frac{\sigma_{\varepsilon u}}{\sigma_\varepsilon^2} + \delta_{\varepsilon u}}{\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T^2}\sum_{t=1}^{T}(x_{it} - \bar{x}_i)^2} \Longrightarrow N\left(0, \frac{6\sigma_{u.\varepsilon}}{\sigma_\varepsilon^2}\right). \qquad (1.2.16)$$

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[7] Baltagi *et al.* (2008)
[8] Phillips and Durlauf (1986)
[9] Baltagi *et al.* (2008)
[10] Baltagi *et al.* (2008)

We note that asymptotic bias of $\hat{\beta}_{FE}$ converges a constant, which differs from $\hat{\beta}_{OLS}$. The serial correlation, $\delta_{\varepsilon u}$, the endogeneity between the regressor and the disturbance term, $\sigma_{\varepsilon u}$, and the disturbance term in (1.2.1) affect asymptotic bias of $\hat{\beta}_{FE}$. The convergence speed is $\sqrt{n}T$ and the endogeneity between the regressor and the disturbance term, $\sigma_{\varepsilon u}$, and the disturbance terms in (1.2.1) and (1.2.2) affect the asymptotic variance of $\hat{\beta}_{FE}$.

1.2.3 The FD estimator

The FD estimator of β is given by

$$\hat{\beta}_{FD} = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-x_{it-1})(y_{it}-y_{it-1})}{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-x_{it-1})^2} \tag{1.2.17}$$

Then

$$\left(\hat{\beta}_{FD}-\beta\right) = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-x_{it-1})(u_{it}-u_{it-1})}{\sum_{i=1}^{n}\sum_{t=1}^{T}(x_{it}-x_{it-1})^2} = \frac{\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})}{\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}{}^2}$$

because $x_{it}-x_{it-1}=\varepsilon_{it}$.

Consider the denominator. For a fixed *n*,

$$\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T}\sum_{t=1}^{T}\varepsilon_{it}^2 \xrightarrow{p} \sigma_{\varepsilon}^2$$

as $(n,\ T)\xrightarrow{seq}\infty$.

Next we consider the numerator. For a fixed *n*,

$$\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1}) \xrightarrow{p} lim\,\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})$$

as $(n,\ T)\xrightarrow{seq}\infty$.

$$\frac{1}{\sqrt{nT}}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})-\sqrt{nT}lim\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})$$

$$\Longrightarrow N\big(0,2E(\varepsilon_t^2u_t^2)\big)\ ^{11}$$

as $(n,\ T)\xrightarrow{seq}\infty$.

Hence, we have

$$\big(\hat{\beta}_{FD}-\beta\big)\xrightarrow{p}\frac{1}{\sigma_\varepsilon^2}lim\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}E[\varepsilon_{it}(u_{it}-u_{it-1})] \qquad (1.2.18)$$

$$\sqrt{nT}\big(\hat{\beta}_{FD}-\beta\big)-\sqrt{n}\frac{lim\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})}{\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}^2}\Longrightarrow N\left(0,\frac{2E(\varepsilon_t^2u_t^2)}{\sigma_\varepsilon^4}\right) \qquad (1.2.19)$$

We note that bias of $\hat{\beta}_{FD}$ converges a constant and the convergence speed is $\sqrt{nT}$. The correlation between ε_{it} and u_{it} affect bias and variance of $\hat{\beta}_{FD}$.

We summarize the main conclusions of this section.

1. The OLS estimator,

   (a) $\sqrt{T}\big(\hat{\beta}_{OLS}-\beta\big)\xrightarrow{p}0$

   (b) $\sqrt{nT}\big(\hat{\beta}_{OLS}-\beta\big)\Longrightarrow N\left(0,\frac{4}{\sigma_\varepsilon^4}\right)$

2. The FE estimator,

   (a) $T\big(\hat{\beta}_{FE}-\beta\big)\xrightarrow{p}\frac{-3\sigma_{\varepsilon u}+6\delta_{\varepsilon u}}{\sigma_\varepsilon^2}$

   (b) $\sqrt{n}T\big(\hat{\beta}_{FE}-\beta\big)-\sqrt{n}\frac{\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)\varepsilon_{it}\frac{\sigma_{\varepsilon u}}{\sigma_\varepsilon^2}+\delta_{\varepsilon u}}{\frac{1}{n}\sum_{i=1}^{n}\frac{1}{T^2}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)^2}\Longrightarrow N\left(0,\frac{6\sigma_{u.\varepsilon}}{\sigma_\varepsilon^2}\right)$

3. The FD estimator,

   (a) $\big(\hat{\beta}_{FD}-\beta\big)\xrightarrow{p}\frac{1}{\sigma_\varepsilon^2}lim\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}E[\varepsilon_{it}(u_{it}-u_{it-1})]$

[11] Baltagi *et al.* (2008)

(b) $\sqrt{nT}\left(\hat{\beta}_{FD}-\beta\right)-\sqrt{n}\frac{lim\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}(u_{it}-u_{it-1})}{\frac{1}{nT}\sum_{i=1}^{n}\sum_{t=1}^{T}\varepsilon_{it}^{2}}\Longrightarrow N\left(0,\frac{2E(\varepsilon_t^2u_t^2)}{\sigma_\varepsilon^4}\right)$

The speeds of convergence for the OLS, FE, and FD estimators are $\sqrt{nT}$, $\sqrt{n}T$, $\sqrt{nT}$ respectively and they converge to different values. Only the OLS estimator is consistent.

1.3 Monte Carlo Study

In this section we study the results of the FE, FD, and pooled OLS estimators for various environments. We examine small sample properties of the estimators as a check on asymptotic results. We also examine properties in more complex environments, e.g., with serially correlated errors, and consider variations on basic estimators. We compare six panel data estimators: the standard estimators, FE, FD, and OLS and these estimators after autoregressive transformation (Cochrane-Orcutt transformation, CO), that is, FE|CO, FD|CO, and LS|CO. The data generating processes (DGP) for the Monte Carlo study are based on the design of Gonzalo (1994) and Baltagi *et al*. (2008)

$$x_{it}-x_{it-1}=e_{xit}, \tag{1.3.1}$$

$$x_{it}-x_{it-1}=c+e_{xit}, \tag{1.3.2}$$

$$y_{it}=\alpha+\beta_0 x_{it}+e_{yit},\ \ \forall\, i=1,\cdots,N, t=1,\cdots,T, \tag{1.3.3}$$

and the structures of errors are,

1. Bivariate normal with non-zero covariance;

$$\binom{e_{xit}}{e_{yit}} \sim iid\ N\left\{\begin{bmatrix}0\\0\end{bmatrix}, \begin{bmatrix}1 & \delta\\ \delta & 1\end{bmatrix}\right\} \tag{1.3.4}$$

2. e_{yit} as AR(1);

$$e_{yit} = \rho e_{yi,t-1} + u_{it},\ u_{it} \sim N(0,1), \text{ and } e_{xit} \sim N(0,1). \tag{1.3.5}$$

3. $e_{xit} = u_{xit},\ e_{yit} = \rho e_{yi,t-1} + u_{yit}$, and

$$\binom{u_{xit}}{u_{yit}} \sim iid\ N\left(\begin{bmatrix}0\\0\end{bmatrix}, \begin{bmatrix}\sigma_x^2 & \delta\\ \delta & 1\end{bmatrix}\right). \tag{1.3.6}$$

Here x_{it} and y_{it} are $I(1)$ variables. We use two alternative DGPs for x_{it} with the zero drift (1.3.1) and non-zero drift (1.3.2). There is the cointegrating relationship between y_{it} and x_{it}. Endogeneity and no serial correlation are assumed in (1.3.4). Serial correlation and exogeneity are modeled by (1.3.5). We assume endogeneity and serial correlation in (1.3.6). The degree of autocorrelation is controlled by ρ. In this study, we experiment with 4 different values of $\rho = \{0, .2, .5, .8\}$. For the endogeneity of the regressor x_{it}, δ, we assume $\delta = \{.8, .5, .2, 0, -.2, -.5, -.8\}$. The σ_x in (1.3.6) is varied over the range $\{1, 2, 8\}$. For sample sizes, we try different combinations for $T = \{4, 20, 50, 100, 200\}$ and $n = \{4, 20, 200, 1000\}$. The constant terms, α and c, are set to one. The beta is fixed at 2. The number of simulation is 200. In order to remove the effect of the initial conditions, we generate *T*+1000 random numbers and discard the first 1000 observations for each series. All random numbers are generated by using GAUSS procedures.

The results from our Monte Carlo study are presented in Tables 1.1-1.8. For simplicity,

here we present only part of the results.[12] Tables 1.1-1.6 show the mean values of each panel estimator of β for various (T, n, ρ, δ) combinations. When $\rho = 0$ and $\delta = 0$, panel data bears no autocorrelation and zero covariance in error structure. When $\rho = 0$ and $\delta \neq 0$, panel data is generated by (1.3.4). For $\rho > 0$ and $\delta = 0$, the model is generated by (1.3.5). For $\rho > 0$ and $\delta \neq 0$, the experiments are conducted for (1.3.6). The results without drift (1.3.1) are included in Tables 1-3 and the results with drift (1.3.2) are shown in Tables 1.4-1.6. Tables 1.1 and 1.4 report the results as the panel sizes, T and n, grow. Tables 1.2 and 1.5 display the effect of T as $n = 20$ is constant. Tables 1.3 and 1.6 show the role of n with $T = 20$.

Table 1.1
The mean value of each estimator of β with no drift: large T and n

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
50	200	0.0	-0.5	1.952	1.200	1.999	1.953	1.466	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.047	2.799	2.001	2.047	2.532	2.001
		0.2	-0.5	1.942	1.199	1.999	1.914	1.335	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.058	2.799	2.001	2.087	2.665	2.001
		0.5	-0.5	1.910	1.199	1.998	1.641	1.209	1.997
			0.0	1.999	1.999	2.000	1.999	1.999	2.000
			0.5	2.091	2.800	2.002	2.355	2.791	2.003
		0.8	-0.5	1.800	1.201	1.996	1.504	1.195	1.988
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.200	2.799	2.004	2.497	2.805	2.012

Note: $\beta_0 = 2$.

[12] The full results are in appendix.

Table 1.1 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
50	200	0.0	-0.5	1.952	1.200	1.999	1.953	1.466	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.047	2.799	2.001	2.047	2.532	2.001
		0.2	-0.5	1.942	1.199	1.999	1.914	1.335	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.058	2.799	2.001	2.087	2.665	2.001
		0.5	-0.5	1.910	1.199	1.998	1.641	1.209	1.997
			0.0	1.999	1.999	2.000	1.999	1.999	2.000
			0.5	2.091	2.800	2.002	2.355	2.791	2.003
		0.8	-0.5	1.800	1.201	1.996	1.504	1.195	1.988
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.200	2.799	2.004	2.497	2.805	2.012
100	1000	0.0	-0.5	1.976	1.200	1.999	1.976	1.473	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.024	2.800	2.001	2.024	2.528	2.001
		0.2	-0.5	1.970	1.200	1.999	1.956	1.338	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.030	2.799	2.001	2.045	2.661	2.001
		0.5	-0.5	1.953	1.200	1.998	1.594	1.210	1.997
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.047	2.800	2.002	2.406	2.790	2.003
		0.8	-0.5	1.890	1.200	1.996	1.520	1.194	1.985
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.110	2.800	2.004	2.479	2.806	2.015

Note: $\beta_0 = 2$.

From Table 1.1, when $\delta = 0$, the FD estimator has no biases, but when $\delta \neq 0$, the FD estimator has large biases. These biases are symmetric for the positive and negative δ cases, being approximately -0.8 for $\delta = -0.5$ and 0.8 for $\delta = 0.5$. A bias of 0.8 is about 40%.

These magnitudes hold for all values of ρ; i.e., the strength of autocorrelation makes no difference for the bias if this FD estimator. For the LS estimator, biases remain small. Endogeneity has no effect on bias. This result is identical to the analytical result. For the FE estimator, endogeneity introduces some bias but smaller than for the FD estimator. Biases are less than 10%. Absolute bias rises with ρ, reaching 10% when $\rho = 0.8$. Bias is symmetric for $+\delta$ and $-\delta$, as for the FD estimator.

From Table 1.2, showing results as *T* increases when *n* is fixed at 20 biases in the LS estimator are less than 1% in all cases as for Table 1.1. For the FD estimator,

Table 1.2
The mean value of each estimator of β with no drift: Increasing T and $n = 20$

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	20	0.0	-0.5	1.498	1.189	1.999	1.552	1.303	1.999
			0.0	2.011	2.000	2.000	2.010	2.003	2.000
			0.5	2.486	2.804	2.001	2.427	2.689	2.001
		0.2	-0.5	1.459	1.195	1.999	1.488	1.242	1.999
			0.0	1.983	1.992	2.000	1.983	1.991	2.000
			0.5	2.547	2.807	2.001	2.519	2.761	2.001
		0.5	-0.5	1.384	1.202	1.998	1.386	1.203	1.998
			0.0	1.995	1.992	2.000	1.996	1.990	2.000
			0.5	2.628	2.800	2.002	2.626	2.803	2.002
		0.8	-0.5	1.274	1.201	1.997	1.268	1.193	1.996
			0.0	1.994	1.991	1.999	1.994	1.991	1.999
			0.5	2.717	2.792	2.004	2.720	2.795	2.005

Note: $\beta_0 = 2$.

Table 1.2 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	20	0.0	-0.5	1.882	1.206	1.999	1.884	1.458	1.999
			0.0	1.999	2.005	2.000	1.999	2.001	2.000
			0.5	2.120	2.804	2.001	2.118	2.554	2.001
		0.2	-0.5	1.858	1.203	1.999	1.804	1.321	1.999
			0.0	2.002	2.007	2.000	2.002	2.007	2.000
			0.5	2.145	2.802	2.001	2.203	2.682	2.001
		0.5	-0.5	1.789	1.198	1.998	1.585	1.206	1.997
			0.0	2.002	2.000	2.000	2.001	1.999	2.000
			0.5	2.213	2.801	2.002	2.422	2.794	2.003
		0.8	-0.5	1.612	1.201	1.996	1.443	1.195	1.991
			0.0	1.998	2.004	2.001	2.002	2.003	2.001
			0.5	2.398	2.801	2.004	2.577	2.806	2.009
50	20	0.0	-0.5	1.951	1.200	1.999	1.951	1.468	1.999
			0.0	2.000	1.995	2.000	2.000	1.998	2.000
			0.5	2.047	2.802	2.001	2.047	2.536	2.001
		0.2	-0.5	1.940	1.201	1.999	1.909	1.333	1.999
			0.0	1.999	2.002	2.000	1.999	2.001	2.000
			0.5	2.059	2.801	2.001	2.089	2.666	2.001
		0.5	-0.5	1.906	1.198	1.998	1.616	1.208	1.997
			0.0	2.002	1.998	2.000	2.002	2.000	2.000
			0.5	2.094	2.802	2.002	2.384	2.791	2.003
		0.8	-0.5	1.793	1.202	1.996	1.486	1.196	1.987
			0.0	2.000	1.996	2.000	1.998	1.997	2.000
			0.5	2.208	2.802	2.004	2.522	2.807	2.014

Note: $\beta_0 = 2$.

biases are symmetric. ρ has no effect on size of bias as for Table 1.1. For the FE estimator, strong autocorrelation induces biases that can be substantial for small *T*. These biases vanish as *T* increases, with biases are less than 3% when *T*=200.

Table 1.2 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
100	20	0.0	-0.5	1.976	1.203	1.999	1.975	1.474	1.999
			0.0	2.000	1.999	2.000	2.000	2.000	2.000
			0.5	2.024	2.800	2.001	2.024	2.526	2.001
		0.2	-0.5	1.969	1.200	1.999	1.953	1.337	1.999
			0.0	1.999	2.000	2.000	1.999	1.999	2.000
			0.5	2.032	2.801	2.001	2.047	2.661	2.001
		0.5	-0.5	1.950	1.199	1.998	1.591	1.208	1.997
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.047	2.801	2.002	2.385	2.792	2.003
		0.8	-0.5	1.889	1.201	1.996	1.504	1.195	1.982
			0.0	1.997	2.000	2.000	1.999	2.000	2.000
			0.5	2.115	2.801	2.004	2.497	2.808	2.018
200	20	0.0	-0.5	1.988	1.201	1.999	1.987	1.475	1.999
			0.0	2.000	2.003	2.000	2.000	2.002	2.000
			0.5	2.012	2.799	2.001	2.012	2.525	2.001
		0.2	-0.5	1.985	1.202	1.999	1.977	1.343	1.999
			0.0	2.000	1.995	2.000	2.000	1.997	2.000
			0.5	2.015	2.801	2.001	2.023	2.659	2.001
		0.5	-0.5	1.976	1.199	1.998	1.822	1.208	1.997
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.025	2.799	2.002	2.191	2.790	2.003
		0.8	-0.5	1.938	1.201	1.996	1.505	1.195	1.974
			0.0	2.002	2.001	2.000	2.002	2.001	2.000
			0.5	2.060	2.801	2.004	2.491	2.806	2.023

Note: $\beta_0 = 2$.

From Table 1.3, showing effects of *n* grows with *T* is fixed at 20 results of the LS and FD estimator are same as in Tables 1.1 and 1.2. For the FE estimator, *n* has no effect on size of bias and bias increases with ρ.

Table 1.3

The mean value of each estimator of β with no drift: Increasing n and $T = 20$

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	4	0.0	-0.5	1.857	1.195	1.999	1.856	1.438	1.999
			0.0	2.004	2.012	1.999	2.003	2.009	1.999
			0.5	2.139	2.810	2.002	2.141	2.569	2.002
		0.2	-0.5	1.836	1.205	1.998	1.747	1.323	1.997
			0.0	1.995	1.996	2.000	1.996	1.997	2.000
			0.5	2.156	2.796	2.002	2.234	2.670	2.003
		0.5	-0.5	1.764	1.210	1.998	1.518	1.214	1.994
			0.0	1.994	1.984	2.001	1.992	1.984	2.001
			0.5	2.226	2.803	2.003	2.479	2.804	2.008
		0.8	-0.5	1.583	1.203	1.992	1.394	1.198	1.979
			0.0	1.994	1.997	2.000	1.992	1.996	2.002
			0.5	2.422	2.796	2.011	2.617	2.805	2.029
20	20	0.0	-0.5	1.882	1.206	1.999	1.884	1.458	1.999
			0.0	1.999	2.005	2.000	1.999	2.001	2.000
			0.5	2.120	2.804	2.001	2.118	2.554	2.001
		0.2	-0.5	1.858	1.203	1.999	1.804	1.321	1.999
			0.0	2.002	2.007	2.000	2.002	2.007	2.000
			0.5	2.145	2.802	2.001	2.203	2.682	2.001
		0.5	-0.5	1.789	1.198	1.998	1.585	1.206	1.997
			0.0	2.002	2.000	2.000	2.001	1.999	2.000
			0.5	2.213	2.801	2.002	2.422	2.794	2.003
		0.8	-0.5	1.612	1.201	1.996	1.443	1.195	1.991
			0.0	1.998	2.004	2.001	2.002	2.003	2.001
			0.5	2.398	2.801	2.004	2.577	2.806	2.009

Note: $\beta_0 = 2$.

Table 1.3 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	200	0.0	-0.5	1.884	1.199	1.999	1.887	1.447	1.999
			0.0	2.001	2.002	2.000	2.001	2.001	2.000
			0.5	2.115	2.799	2.001	2.113	2.552	2.001
		0.2	-0.5	1.859	1.199	1.999	1.805	1.321	1.999
			0.0	1.999	1.996	2.000	1.999	1.996	2.000
			0.5	2.141	2.803	2.001	2.194	2.680	2.001
		0.5	-0.5	1.793	1.201	1.998	1.598	1.209	1.997
			0.0	2.001	2.002	2.000	2.001	2.001	2.000
			0.5	2.207	2.798	2.002	2.400	2.789	2.003
		0.8	-0.5	1.611	1.201	1.996	1.440	1.195	1.992
			0.0	1.998	1.999	2.000	1.998	1.999	2.000
			0.5	2.393	2.799	2.004	2.561	2.804	2.008
20	1000	0.0	-0.5	1.885	1.200	1.999	1.888	1.448	1.999
			0.0	2.000	1.999	2.000	2.000	1.999	2.000
			0.5	2.115	2.801	2.001	2.112	2.553	2.001
		0.2	-0.5	1.861	1.200	1.999	1.808	1.324	1.999
			0.0	2.000	2.002	2.000	2.000	2.001	2.000
			0.5	2.139	2.800	2.001	2.192	2.677	2.001
		0.5	-0.5	1.793	1.200	1.998	1.602	1.208	1.997
			0.0	2.000	1.999	2.000	2.000	1.999	2.000
			0.5	2.206	2.800	2.002	2.398	2.791	2.003
		0.8	-0.5	1.610	1.200	1.996	1.441	1.194	1.992
			0.0	2.001	1.999	2.000	2.001	1.999	2.000
			0.5	2.391	2.800	2.004	2.561	2.806	2.008

Note: $\beta_0 = 2$.

From Tables 1.1-1.3, CO corrections have little effect on the LS estimator. For the FD estimator, biases remain large with CO correction. CO correction reduces bias to 25% when $\rho = 0$, here it partially undifferences the data to reduce bias. But CO correction has no effect

on bias when ρ is large. For the FE estimator, CO procedure increases the bias for large ρ, producing biases greater than 20%, because, for large ρ, CO leads to first difference like the FD estimator with large biases. Bias does not vanish with large *T* and *n*. CO procedure has no effect on bias for $\rho = 0$ and small *T* = 4.

From Tables 1.4-1.6, we find that drift reduces bias of all estimators even for_small panels. For the FD estimator, a symmetric bias caused by endogeneity is reduced from 40% to 22.5%, but ρ has no effect on size of bias like no drift cases. For the FE estimator, bias rises with ρ for *T* < 20, but goes to zero as *T* increases. This result is somewhat different from no drift cases. Biases for no drift cases vanish as *T* increases, but still exist even for T = 200. This result arises from the effect of drift. The sample size in the cross section dimension has no effect on size of bias as for no drift cases.

Table 1.4
The mean value of each estimator of β with drift: large T and n

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
50	200	0.0	-0.5	1.998	1.555	1.999	1.998	1.788	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.002	2.446	2.001	2.002	2.213	2.001
		0.2	-0.5	1.997	1.557	1.999	1.996	1.723	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.003	2.444	2.001	2.004	2.278	2.001
		0.5	-0.5	1.996	1.555	1.999	1.991	1.540	1.998
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.004	2.445	2.001	2.009	2.461	2.002
		0.8	-0.5	1.991	1.556	1.997	1.982	1.268	1.992
			0.0	2.000	2.001	2.000	2.000	2.001	2.000
			0.5	2.009	2.445	2.003	2.018	2.734	2.008

Note: $\beta_0 = 2$.

Table 1.4 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
100	1000	0.0	-0.5	1.999	1.556	2.000	1.999	1.791	2.000
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.001	2.444	2.000	2.001	2.209	2.000
		0.2	-0.5	1.999	1.555	1.999	1.999	1.725	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.001	2.445	2.001	2.001	2.275	2.001
		0.5	-0.5	1.999	1.556	1.999	1.997	1.548	1.998
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.001	2.444	2.001	2.003	2.452	2.002
		0.8	-0.5	1.997	1.556	1.998	1.992	1.266	1.994
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.003	2.444	2.002	2.008	2.734	2.006

Note: $\beta_0 = 2$.

From the results, we generally conclude that biases for the LS estimator are small in every case, and this holds true for the LS/CO estimator. With no endogeneity, biases are small for all estimators in all cases. The FD estimator tends to have larger biases than the FE estimator in presence of endogeneity. A symmetric endogeneity bias of the FD estimator is about 40% for non drift and 22.5% for drift in every case, and is unaffected by strength of autocorrelation. With endogeneity, bias of the FE estimator declines with *T* but not *n*, and increases with ρ.

Autoregressive transformation is not a reliable procedure in terms of reducing bias. Biases remain large for FD and FE estimators with CO even when *T* grows large. Ironically the

Table 1.5

The mean value of each estimator of β with drift: Increasing T and $n = 20$

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	20	0.0	-0.5	1.820	1.560	1.999	1.834	1.689	1.999
			0.0	1.993	1.996	2.000	1.995	1.992	2.000
			0.5	2.175	2.431	2.000	2.159	2.308	2.000
		0.2	-0.5	1.794	1.551	1.999	1.800	1.589	1.999
			0.0	1.991	1.990	2.000	1.992	1.990	2.000
			0.5	2.203	2.448	2.001	2.195	2.402	2.001
		0.5	-0.5	1.764	1.567	1.998	1.765	1.452	1.998
			0.0	1.988	1.991	2.000	1.988	1.988	2.000
			0.5	2.233	2.437	2.001	2.234	2.568	2.001
		0.8	-0.5	1.735	1.563	1.996	1.736	1.339	1.995
			0.0	1.997	1.995	1.999	1.996	1.995	1.999
			0.5	2.275	2.440	2.005	2.276	2.660	2.007
20	20	0.0	-0.5	1.987	1.560	1.999	1.988	1.781	1.999
			0.0	2.000	2.000	2.000	2.000	2.001	2.000
			0.5	2.013	2.445	2.001	2.012	2.223	2.001
		0.2	-0.5	1.984	1.555	1.999	1.981	1.714	1.999
			0.0	2.000	2.001	2.000	2.000	2.001	2.000
			0.5	2.017	2.448	2.001	2.020	2.290	2.001
		0.5	-0.5	1.979	1.556	1.998	1.968	1.471	1.997
			0.0	1.999	2.000	2.000	1.998	2.000	2.000
			0.5	2.022	2.446	2.002	2.034	2.522	2.003
		0.8	-0.5	1.958	1.556	1.996	1.950	1.276	1.991
			0.0	1.998	1.998	2.000	1.997	1.998	1.999
			0.5	2.039	2.444	2.004	2.052	2.725	2.009

Note: $\beta_0 = 2$.

Table 1.5 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
50	20	0.0	-0.5	1.998	1.555	1.999	1.998	1.789	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.002	2.443	2.001	2.002	2.213	2.001
		0.2	-0.5	1.997	1.555	1.999	1.996	1.721	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.003	2.446	2.001	2.004	2.280	2.001
		0.5	-0.5	1.996	1.557	1.999	1.991	1.506	1.997
			0.0	2.000	1.999	2.000	2.000	1.999	2.000
			0.5	2.004	2.444	2.001	2.009	2.488	2.003
		0.8	-0.5	1.990	1.559	1.996	1.981	1.271	1.991
			0.0	1.999	2.001	2.000	1.999	2.001	2.000
			0.5	2.008	2.446	2.003	2.018	2.736	2.008
100	20	0.0	-0.5	2.000	1.556	2.000	2.000	1.791	2.000
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.000	2.442	2.000	2.000	2.209	2.000
		0.2	-0.5	1.999	1.557	1.999	1.999	1.727	1.999
			0.0	2.000	1.999	2.000	2.000	2.000	2.000
			0.5	2.001	2.445	2.001	2.001	2.273	2.001
		0.5	-0.5	1.999	1.556	1.999	1.997	1.530	1.998
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.001	2.445	2.001	2.003	2.472	2.002
		0.8	-0.5	1.997	1.556	1.998	1.993	1.268	1.995
			0.0	1.999	1.999	2.000	2.000	1.999	2.000
			0.5	2.002	2.443	2.002	2.008	2.728	2.006

Note: $\beta_0 = 2$.

CO procedure does the most to reduce biases in the FD estimator when autocorrelation is weak or nonexistent; and it actually increases the bias for the FE estimator when autocorrelation is strong. The serious bias of the FD estimator is identical to the results of McNown and Wallace

(1997). The bias of the CO|LS estimator increases as ρ grows, but it is not serious. With a cross-sectional data, the effect of ρ is weakened by pooling data unlike in time series regression.

Table 1.5 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
200	20	0.0	-0.5	2.000	1.556	2.000	2.000	1.791	2.000
			0.0	2.000	1.999	2.000	2.000	1.999	2.000
			0.5	2.000	2.444	2.000	2.000	2.208	2.000
		0.2	-0.5	2.000	1.557	2.000	2.000	1.727	2.000
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.000	2.445	2.000	2.000	2.273	2.000
		0.5	-0.5	2.000	1.555	2.000	1.999	1.536	1.999
			0.0	2.000	1.999	2.000	2.000	2.000	2.000
			0.5	2.000	2.444	2.000	2.001	2.456	2.001
		0.8	-0.5	1.999	1.556	1.999	1.997	1.266	1.997
			0.0	2.000	2.001	2.000	2.000	2.001	2.000
			0.5	2.001	2.446	2.001	2.003	2.733	2.003

Note: $\beta_0 = 2$.

Table 1.6

The mean value of each estimator of β with drift: Increasing n and $T = 20$

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	4	0.0	-0.5	1.989	1.546	1.999	1.988	1.772	1.999
			0.0	1.997	2.000	2.000	1.998	1.998	2.000
			0.5	2.013	2.450	2.001	2.011	2.223	2.001
		0.2	-0.5	1.982	1.552	1.998	1.978	1.706	1.998
			0.0	1.997	1.997	2.000	1.998	2.000	2.000
			0.5	2.016	2.437	2.002	2.022	2.303	2.003
		0.5	-0.5	1.981	1.553	1.998	1.964	1.427	1.995
			0.0	1.998	2.008	2.001	2.000	2.006	2.000
			0.5	2.023	2.447	2.003	2.038	2.551	2.005
		0.8	-0.5	1.957	1.546	1.993	1.932	1.297	1.979
			0.0	1.995	1.990	1.997	1.995	1.990	1.997
			0.5	2.038	2.456	2.006	2.059	2.710	2.014
20	20	0.0	-0.5	1.987	1.560	1.999	1.988	1.781	1.999
			0.0	2.000	2.000	2.000	2.000	2.001	2.000
			0.5	2.013	2.445	2.001	2.012	2.223	2.001
		0.2	-0.5	1.984	1.555	1.999	1.981	1.714	1.999
			0.0	2.000	2.001	2.000	2.000	2.001	2.000
			0.5	2.017	2.448	2.001	2.020	2.290	2.001
		0.5	-0.5	1.979	1.556	1.998	1.968	1.471	1.997
			0.0	1.999	2.000	2.000	1.998	2.000	2.000
			0.5	2.022	2.446	2.002	2.034	2.522	2.003
		0.8	-0.5	1.958	1.556	1.996	1.950	1.276	1.991
			0.0	1.998	1.998	2.000	1.997	1.998	1.999
			0.5	2.039	2.444	2.004	2.052	2.725	2.009

Note: $\beta_0 = 2$.

Table 1.6 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	200	0.0	-0.5	1.987	1.555	1.999	1.988	1.778	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.013	2.443	2.001	2.012	2.221	2.001
		0.2	-0.5	1.984	1.555	1.999	1.981	1.714	1.999
			0.0	2.000	1.999	2.000	2.000	1.999	2.000
			0.5	2.015	2.444	2.001	2.018	2.286	2.001
		0.5	-0.5	1.976	1.555	1.999	1.966	1.521	1.998
			0.0	2.000	2.001	2.000	2.000	2.000	2.000
			0.5	2.023	2.445	2.002	2.034	2.477	2.003
		0.8	-0.5	1.957	1.556	1.996	1.947	1.270	1.993
			0.0	2.000	2.001	2.000	2.000	2.001	2.000
			0.5	2.043	2.445	2.004	2.052	2.729	2.008
20	1000	0.0	-0.5	1.987	1.556	1.999	1.988	1.779	1.999
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.013	2.444	2.001	2.012	2.222	2.001
		0.2	-0.5	1.985	1.555	1.999	1.982	1.713	1.999
			0.0	2.000	1.999	2.000	2.000	2.000	2.000
			0.5	2.015	2.444	2.001	2.018	2.287	2.001
		0.5	-0.5	1.977	1.555	1.998	1.967	1.532	1.997
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.023	2.444	2.002	2.033	2.467	2.003
		0.8	-0.5	1.956	1.555	1.996	1.947	1.271	1.993
			0.0	2.000	2.000	2.000	2.000	2.000	2.000
			0.5	2.043	2.445	2.004	2.052	2.730	2.007

Note: $\beta_0 = 2$.

Tables 1.7 and 1.8 report the rejection frequencies of panel estimators, $P(\beta = \beta_0)$. The empirical rejection frequencies are calculated at the 5% nominal level of significance. For

Table 1.7, with $\delta = \rho = 0$, the empirical size is slightly large for FE and LS estimators and small for the FD estimator, and these hold for CO versions of estimators. For $\rho > 0.2$ and $\delta = 0$, CO correction improves size a lot for the FE and LS estimators. For example, when $\rho = 0.5$, $\delta = 0$, and $T = n = 20$, the rejection rate of the FE estimator is 0.175, that of the FE|CO estimator is 0.065, that of the LS estimator is 0.245, and that of the LS|CO estimator is 0.070. When $\delta = 0$, the rejection rates increase with ρ, but CO transformation helps. With endogeneity, the rejection rates of FE, FE/CO, FD, FD/CO estimators are 1 in most cases even when biases are very small. This is due to very small standard errors. For the LS and LS/CO estimators, rejection rates grow with ρ, *n*, and *T*. For $T = n = 20$, the negative δ induces larger rejection rate than the positive δ for $\rho \leq 0.5$, this holds for LS/CO. For Table 8, drift reduces the rejection rates of the FE, FE/CO, LS, and LS/CO estimators and those of the FD and

Table 1.7
Rejection frequencies of panel estimators: No Drift

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	20	0.0	-0.5	0.990	1.000	0.085	0.990	1.000	0.080
			0.0	0.070	0.030	0.060	0.080	0.035	0.065
			0.5	0.985	1.000	0.075	0.975	1.000	0.080
		0.2	-0.5	1.000	1.000	0.180	1.000	1.000	0.110
			0.0	0.075	0.050	0.115	0.065	0.025	0.080
			0.5	1.000	1.000	0.155	1.000	1.000	0.110
		0.5	-0.5	1.000	1.000	0.370	1.000	1.000	0.225
			0.0	0.175	0.065	0.245	0.065	0.035	0.070
			0.5	1.000	1.000	0.310	1.000	1.000	0.195
		0.8	-0.5	1.000	1.000	0.485	1.000	1.000	0.460
			0.0	0.405	0.035	0.475	0.155	0.030	0.320
			0.5	1.000	1.000	0.560	1.000	1.000	0.475

Table 1.7 (*continued*)

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
200	200	0.0	-0.5	1.000	1.000	1.000	1.000	1.000	1.000
			0.0	0.045	0.050	0.055	0.045	0.040	0.055
			0.5	1.000	1.000	1.000	1.000	1.000	1.000
		0.2	-0.5	1.000	1.000	1.000	1.000	1.000	1.000
			0.0	0.075	0.055	0.090	0.030	0.035	0.035
			0.5	1.000	1.000	1.000	1.000	1.000	1.000
		0.5	-0.5	1.000	1.000	1.000	1.000	1.000	1.000
			0.0	0.275	0.025	0.255	0.065	0.030	0.060
			0.5	1.000	1.000	1.000	1.000	1.000	1.000
		0.8	-0.5	1.000	1.000	1.000	1.000	1.000	1.000
			0.0	0.460	0.050	0.510	0.130	0.060	0.130
			0.5	1.000	1.000	1.000	1.000	1.000	1.000

FD/CO estimators with $\delta = 0$. For the FE, FE/CO, LS, and LS/CO estimators, rejection rates still grow with ρ, n, and T regardless of δ. For the FD and FD/CO estimators, the rejection rates are still 1 with endogeneity.

Generally, the rejection rates grow with ρ, δ, n, and T. Drift reduces the rejection rates of the FE, FE/CO, LS, and LS/CO estimators and those of the FD and FD/CO estimators with $\delta = 0$. The rejection rate is high considering small bias.

Table 1.8
Rejection frequencies of panel estimators: Drift

T	n	ρ	δ	FE	FD	LS	FE|CO	FD|CO	LS|CO
20	20	0.0	-0.5	0.270	1.000	0.035	0.265	1.000	0.030
			0.0	0.060	0.005	0.035	0.060	0.000	0.035
			0.5	0.290	1.000	0.065	0.265	1.000	0.070
		0.2	-0.5	0.440	1.000	0.055	0.495	1.000	0.035
			0.0	0.135	0.015	0.035	0.080	0.010	0.015
			0.5	0.480	1.000	0.125	0.500	1.000	0.095
		0.5	-0.5	0.580	1.000	0.205	0.690	1.000	0.135
			0.0	0.250	0.030	0.170	0.145	0.020	0.070
			0.5	0.600	1.000	0.290	0.750	1.000	0.225
		0.8	-0.5	0.730	1.000	0.485	0.815	1.000	0.415
			0.0	0.425	0.015	0.445	0.330	0.020	0.260
			0.5	0.720	1.000	0.470	0.820	1.000	0.505
200	200	0.0	-0.5	0.295	1.000	0.705	0.295	1.000	0.705
			0.0	0.050	0.000	0.035	0.050	0.000	0.035
			0.5	0.360	1.000	0.780	0.360	1.000	0.780
		0.2	-0.5	0.440	1.000	0.850	0.580	1.000	0.920
			0.0	0.100	0.000	0.090	0.075	0.000	0.040
			0.5	0.525	1.000	0.865	0.650	1.000	0.905
		0.5	-0.5	0.615	1.000	0.920	0.980	1.000	0.150
			0.0	0.230	0.015	0.270	0.060	0.005	0.055
			0.5	0.705	1.000	0.935	0.990	1.000	0.995
		0.8	-0.5	0.830	1.000	0.490	1.000	1.000	0.995
			0.0	0.465	0.015	0.455	0.235	0.005	0.115
			0.5	0.805	1.000	0.970	1.000	1.000	1.000

1.4 Conclusion

In this study, we compared the estimates of the FE, FD, and OLS estimators in a cointegrated panel regression. We also compared the FE, FD, and OLS estimators after the Cochrane-Orcutt (CO) transformation. The speeds of convergence for the OLS, FE, and FD estimators are $\sqrt{nT}$, $\sqrt{n}T$, $\sqrt{nT}$ respectively and they converge to different values. Only the OLS estimator is consistent. From our Monte Carlo study, we find that:

i. Biases for the LS estimator are small in every case.

ii. With no endogeneity, biases are small for all estimators in all cases.

iii. The FD estimator tends to have larger biases than the FE estimator in presence of endogeneity. Endogeneity cause a symmetric bias of the FD estimator for all values of ρ.

iv. With endogeneity, bias of the FE estimator declines with *T* but not *n*, and increases with ρ.

v. Autoregressive transformation is not a reliable procedure in terms of reducing bias. Biases remain large for FD and FE estimators with CO even when *T* grows large.

vi. The rejection rates grow with ρ, δ, *n*, and *T*. The rejection rate is high considering bias. Drift reduces the rejection rates of the FE, FE/CO, LS, and LS/CO estimators.

Cointegration in panels changes our perspective on these alternative estimators. The LS estimator is generally the preferred estimator in terms of bias. The FE and FD estimators diverge in their behavior, as differencing discards the long run information. The CO

transformation causes a similar problem, when autocorrelation is strong, leading to near differencing of the variables.

CHAPTER 2

Entorf's (1997) Panel Spurious Regression: A Revisit

2.1 Introduction

If there are two independent random walk processes, y_t and x_t, then in the linear regression

$$y_t = \alpha + \beta x_t + \varepsilon_t, \tag{2.1.1}$$

we would expect that there is no evidence of a relationship between y_t and x_t. However, it is well known that there can be spurious correlation. Yule (1926) points out the possibility of incorrect relationship. Granger and Newbold (1974) show some phenomena of spurious regressions between two uncorrelated processes without drifts using Monte Carlo simulations. They present a high R^2 and a low Durbin-Watson statistic as features of spurious regressions. Phillips (1986) proves Granger and Newbold's (1974) results analytically. Entorf (1997) shows that with two independent random walk processes with drifts, the phenomenon of spurious regressions holds, but the coefficient $\hat{\beta}$ converges to the constant ratio of the drifts in y_t and x_t in contrast to the Phillips's (1986) result without drift.

Entorf (1997) also extends spurious regressions to panel data. He finds the spurious symptoms hold for large *T* and finite *n*, and that *t*-values diverge. Kao (1999) studies the asymptotic properties for a least squares dummy variable (LSDV) estimator of the spurious regression in panel data with zero drift using a sequential limit theory developed by Phillips and

Moon (1999). Unlike the result of spurious regressions in the pure time series, he shows that the LSDV estimator $\hat{\beta}$ converges to the ratio of the variance and covariance in the long-run covariance matrix.[1]

Entorf (1997) considers a large *T* and finite *n* panel. However, the traditional panel studies use large *n* and finite *T* panels. The usual treatment in this environment was given by Wooldridge (2002, p. 175):

> *However, we do not need to restrict the dynamic behavior of our data in any way because we are doing fixed-T, large-n asymptotics.*

This treatment appears to be based on belief that characteristics of short time series data could be attenuated by a large number of cross sectional data. However, Wooldridge (2002, p. 175) also provides the following statement.

> *Here, a large cross section and relatively short time series allow us to be agnostic about the amount of temporal persistence.*

We should beware of possible misleading practices based on the above quotation. In this study, we extend Entorf′s (1997) results on panel spurious regressions and emphasize the role of drifts and the relative number of time series (*T*) and cross sectional observations (*n*) in the estimations and tests for large *n* and small *T* by Monte Carlo experiments. The results show the spurious regressions still arise even for large *n* and small *T* and it indicates we cannot ignore the effect of temporal persistence for fixed *T* and large *n* panel data regression.

This paper is structured as follows. Section 2.2 presents the fixed-effect estimator in the spurious regression model. Section 2.3 provides Monte-Carlo results. In section 2.4, we

[1] Kao (1999) explains that "it is due to the noise in a regressor is as strong the signal, a regressor, since both the noise and signal are $I(1)$."

estimate response surfaces to analyses the effects of parameters. Section 2.5 concludes.

2.2 The Model and Assumptions

Let x_{it} and y_{it} be generated by the independent random walks with drifts,

$$x_{it} = \gamma_{xi} + x_{it-1} + \varepsilon_{it}^{x} \ , \tag{2.2.1}$$

$$y_{it} = \gamma_{yi} + y_{it-1} + \varepsilon_{it}^{y} \ , \text{ for all } i = 1,..., N, t = 1,..., T. \tag{2.2.2}$$

where $\varepsilon_{it}^{x} \sim iid(0, \sigma_{xi}^2)$ and $\varepsilon_{it}^{y} \sim iid\left(0, \sigma_{yi}^2\right)$

The spurious regression model is,

$$y_{it} = \hat{\alpha}_i + \hat{\beta} x_{it} + \hat{u}_{it}, \quad \text{for all } i = 1,..., N, t = 1,..., T. \tag{2.2.3}$$

After integrating the process in (2.2.1) and (2.2.2),

$$x_{it} = \gamma_{xi} t + S_{it}^{x} + \varepsilon_{i0}^{x}, \tag{2.2.4}$$

$$y_{it} = \gamma_{yi} t + S_{it}^{y} + \varepsilon_{i0}^{y}, \tag{2.2.5}$$

where $S_{it}^{x} = \sum_{j=1}^{t} \varepsilon_{ij}^{x}$ and $S_{it}^{y} = \sum_{j=1}^{t} \varepsilon_{ij}^{y}$.

The fixed-effect (FE) estimator is

$$\hat{\beta} = \frac{\sum_{i=1}^{N}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)(y_{it}-\bar{y}_i)}{\sum_{i=1}^{N}\sum_{t=1}^{T}(x_{it}-\bar{x}_i)^2} = \frac{\sum_{i=1}^{N} T^{-3}\sum_{t=1}^{T} x_{it}y_{it} - \sum_{i=1}^{N} T^{-2}\bar{x}_i\bar{y}_i}{\sum_{i=1}^{N} T^{-3}\sum_{t=1}^{T} x_{it}^2 - \sum_{i=1}^{N} T^{-2}\bar{x}_i^2} \tag{2.2.6}$$

where $\bar{x}_i = T^{-1}\sum_{t=1}^{T} x_{it}$ and $\bar{y}_i = T^{-1}\sum_{t=1}^{T} y_{it}$.

We use convergence results for sample moments below[2],

Lemma 1: Suppose $x_t = x_{t-1} + u_t$ and $y_t = y_{t-1} + v_t$, where $x_0 = 0$, $y_0 = 0$, $u_t \sim iid(0, \sigma_u^2)$, and $v_t \sim iid(0, \sigma_v^2)$. Then

(a) $T^{-3/2} \sum_{t=1}^{T} x_{t-1} \xrightarrow{L} \sigma_u \int_0^1 W_x(r)\, dr$

(b) $T^{-2} \sum_{t=1}^{T} x_{t-1}^2 \xrightarrow{L} \sigma_u^2 \int_0^1 [W_x(r)]^2\, dr$

(c) $T^{-5/2} \sum_{t=1}^{T} tS_{t-1} \xrightarrow{L} \sigma_u \int_0^1 rW_x(r)\, dr$

(d) $T^{-2} \sum_{t=1}^{T} y_t x_t \xrightarrow{L} \sigma_v \sigma_u \int_0^1 W_y(r) W_x(r)\, dr$

(e) $T^{-(\nu+1)} \sum_{t=1}^{T} t^{\nu} \to \frac{1}{(\nu+1)} \quad for\ \nu = 0, 1, \cdots$

where $W_z(r)$ is standard Brownian motion, $z = x, y$.

Now consider the processes with drift, (2.2.4) and (2.2.5),

$$\begin{aligned}
\sum_{t=1}^{T} x_{it} y_{it} &= \sum_{t=1}^{T} (\gamma_{xi} t + S_{it}^x + \varepsilon_{i0}^x)(\gamma_{yi} t + S_{it}^y + \varepsilon_{i0}^y) \\
&= \sum_{t=1}^{T} (\gamma_{yi}\gamma_{xi} t^2 + \gamma_{yi} t S_{it}^x + \gamma_{xi} t S_{it}^y + \gamma_{yi} t \varepsilon_{i0}^x + \gamma_{xi} t \varepsilon_{i0}^y + S_{it}^y S_{it}^x \\
&\quad + S_{it}^y \varepsilon_{i0}^x + S_{it}^x \varepsilon_{i0}^y + \varepsilon_{i0}^y \varepsilon_{i0}^x) \\
&\Longrightarrow \frac{T^3}{3} \gamma_{yi}\gamma_{xi} + T^{5/2} \left(\gamma_{yi} \sigma_{xi} \int_0^1 tW_x(t) dt + \gamma_{xi} \sigma_{yi} \int_0^1 tW_y(t) dt \right) \\
&\quad + \frac{T^2}{2} \left(\gamma_{xi} \varepsilon_{i0}^y + \gamma_{yi} \varepsilon_{i0}^x \right) + T^2 \sigma_{yi} \sigma_{xi} \int_0^1 W_y(t) W_x(t) dt \\
&\quad + T^{3/2} (\varepsilon_{i0}^y \sigma_{xi} \int_0^1 W_x(t) dt + \varepsilon_{i0}^y \sum_{t=1}^{T} \varepsilon_{it}^x + \varepsilon_{i0}^x \sigma_{yi} \int_0^1 W_y(t) dt \\
&\quad + \varepsilon_{i0}^x \sum_{t=1}^{T} \varepsilon_{it}^y) + T \varepsilon_{i0}^y \varepsilon_{i0}^x
\end{aligned} \tag{2.2.7}$$

[2] Hamilton, 1994, p. 486 and Phillips, 1986, Lemma 1.

Because,

$$\sum_{t=1}^{T}\gamma_{yi}\gamma_{xi}t^2 \Longrightarrow \frac{T^3}{3}\gamma_{yi}\gamma_{xi},$$

$$\sum_{t=1}^{T}\left(\gamma_{yi}tS_{it}^{x}+\gamma_{xi}tS_{it}^{y}\right) \Longrightarrow T^{5/2}\left(\gamma_{yi}\sigma_{xi}\int_0^1 tW_x(t)dt+\gamma_{xi}\sigma_{yi}\int_0^1 tW_y(t)dt\right),$$

$$\sum_{t=1}^{T}\left(\gamma_{yi}t\varepsilon_{i0}^{x}+\gamma_{xi}t\varepsilon_{i0}^{y}\right) \Longrightarrow \frac{T^2}{2}\left(\gamma_{xi}\varepsilon_{i0}^{y}+\gamma_{yi}\varepsilon_{i0}^{x}\right),$$

$$\sum_{t=1}^{T}S_{it}^{y}S_{it}^{x} \Longrightarrow T^2\sigma_{yi}\sigma_{xi}\int_0^1 W_y(t)W_x(t)dt,$$

$$\sum_{t=1}^{T}\left(S_{it}^{y}\varepsilon_{i0}^{x}+S_{it}^{x}\varepsilon_{i0}^{y}\right) \Longrightarrow T^{3/2}(\varepsilon_{i0}^{y}\sigma_{xi}\int_0^1 W_x(t)dt+\varepsilon_{i0}^{y}\sum_{t=1}^{T}\varepsilon_{it}^{x}$$

$$+\varepsilon_{i0}^{x}\sigma_{yi}\int_0^1 W_y(t)dt+\varepsilon_{i0}^{x}\sum_{t=1}^{T}\varepsilon_{it}^{y}), \text{ and}$$

$$\sum_{t=1}^{T}\varepsilon_{i0}^{y}\varepsilon_{i0}^{x} \Longrightarrow T\varepsilon_{i0}^{y}\varepsilon_{i0}^{x},$$

By lemma 1 and $S_{it}^{z}=S_{it-1}^{z}+\varepsilon_{it}^{z},\ z=x,y.$

Next we consider $T^2\bar{x}_i\bar{y}_i=\sum_{t=1}^{T}x_{it}\sum_{t=1}^{T}y_{it}$,

$$\begin{aligned}\sum_{t=1}^{T}x_{it}\sum_{t=1}^{T}y_{it} &= \sum_{t=1}^{T}(\gamma_{xi}t+S_{it}^{x}+\varepsilon_{i0}^{x})\sum_{t=1}^{T}\left(\gamma_{yi}t+S_{it}^{y}+\varepsilon_{i0}^{y}\right)\\ &= \sum_{t=1}^{T}\gamma_{yi}t\sum_{t=1}^{T}\gamma_{xi}t+\sum_{t=1}^{T}\gamma_{yi}t\sum_{t=1}^{T}S_{it}^{x}+\sum_{t=1}^{T}S_{it}^{y}\sum_{t=1}^{T}\gamma_{xi}t\\ &+\sum_{t=1}^{T}\varepsilon_{i0}^{x}\sum_{t=1}^{T}\gamma_{yi}t+\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}\gamma_{xi}t+\sum_{t=1}^{T}S_{it}^{y}\sum_{t=1}^{T}S_{it}^{x}\\ &+\sum_{t=1}^{T}\varepsilon_{i0}^{x}\sum_{t=1}^{T}S_{it}^{y}+\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}S_{it}^{x}+\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}\varepsilon_{i0}^{x}\\ &\Longrightarrow \frac{T^4}{4}\gamma_{yi}\gamma_{xi}+\frac{T^{7/2}}{2}\left(\gamma_{yi}\sigma_{xi}\int_0^1 W_x(t)dt+\gamma_{xi}\sigma_{yi}\int_0^1 W_y(t)dt\right)\\ &+\frac{T^3}{2}\left(\gamma_{yi}\varepsilon_{i0}^{x}+\gamma_{xi}\varepsilon_{i0}^{y}\right)+T^3\sigma_{yi}\sigma_{xi}\int_0^1 W_y(t)dt\int_0^1 W_x(t)dt\\ &+T^{5/2}\left(\varepsilon_{i0}^{x}\sigma_{yi}\int_0^1 W_y(t)dt+\varepsilon_{i0}^{x}\sigma_{yi}\int_0^1 W_y(t)dt\right)+T^2\varepsilon_{i0}^{y}\varepsilon_{i0}^{x} \qquad (2.2.8)\end{aligned}$$

Because,

$$\sum_{t=1}^{T}\gamma_{yi}t\sum_{t=1}^{T}\gamma_{xi}t \Longrightarrow \frac{T^4}{4}\gamma_{yi}\gamma_{xi},$$

$$\sum_{t=1}^{T}\gamma_{yi}t\sum_{t=1}^{T}S_{it}^{x}+\sum_{t=1}^{T}S_{it}^{y}\sum_{t=1}^{T}\gamma_{xi}t$$

$$\Longrightarrow \frac{T^2}{2}\gamma_{yi}T^{3/2}\sigma_{xi}\int_0^1 W_x(t)dt+\frac{T^{7/2}}{2}\gamma_{xi}\sigma_{yi}\int_0^1 W_y(t)dt,$$

$$\sum_{t=1}^{T}\varepsilon_{i0}^{x}\sum_{t=1}^{T}\gamma_{yi}t+\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}\gamma_{xi}t \Longrightarrow \frac{T^2}{2}\gamma_{yi}T\varepsilon_{i0}^{x}+\frac{T^3}{2}\gamma_{xi}\varepsilon_{i0}^{y},$$

$$\sum_{t=1}^{T}S_{it}^{y}\sum_{t=1}^{T}S_{it}^{x} \Longrightarrow T^{3/2}\sigma_{yi}\int_0^1 W_y(t)dt\cdot T^{3/2}\sigma_{xi}\int_0^1 W_x(t)dt,$$

$$\sum_{t=1}^{T}\varepsilon_{i0}^{x}\sum_{t=1}^{T}S_{it}^{y}+\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}S_{it}^{x}$$

$$\Longrightarrow T\varepsilon_{i0}^{x}T^{3/2}\sigma_{yi}\int_0^1 W_y(t)dt+T^{5/2}\varepsilon_{i0}^{x}\sigma_{yi}\int_0^1 W_y(t)dt, \text{ and}$$

$$\sum_{t=1}^{T}\varepsilon_{i0}^{y}\sum_{t=1}^{T}\varepsilon_{i0}^{x} \Longrightarrow T^2\varepsilon_{i0}^{y}\varepsilon_{i0}^{x}.$$

Next we consider,

$$\sum_{t=1}^{T}x_{it}^2=\sum_{t=1}^{T}(\gamma_{xi}t+S_{it}^{x}+\varepsilon_{i0}^{x})^2$$

$$=\sum_{t=1}^{T}\{\gamma_{xi}^2t^2+{S_{it}^{x}}^2+{\varepsilon_{i0}^{x}}^2+2(\gamma_{xi}tS_{it}^{x}+S_{it}^{x}\varepsilon_{i0}^{x}+\varepsilon_{i0}^{x}(\gamma_{xi}t+S_{it}^{x}+\varepsilon_{i0}^{x}))\}$$

$$\Longrightarrow \frac{T^3}{3}\gamma_{xi}^2+T^2\sigma_{xi}^2\int_0^1\big(W_x(t)\big)^2dt+T{\varepsilon_{i0}^{x}}^2+T^{5/2}\gamma_{xi}\sigma_{xi}\int_0^1 tW_x(t)dt$$

$$+T^{3/2}\varepsilon_{i0}^{x}\sigma_{xi}\int_0^1 W_x(t)dt+\frac{T^2}{2}\gamma_{xi}\varepsilon_{i0}^{x} \qquad (2.2.9)$$

Finally we consider $T^2(\bar{x}_i)^2=(\sum_{t=1}^{T}x_{it})^2$,

$$(\sum_{t=1}^{T}x_{it})^2=(\sum_{t=1}^{T}\gamma_{xi}t+\sum_{t=1}^{T}S_{it}^{x}+\sum_{t=1}^{T}\varepsilon_{i0}^{x})^2$$

$$=(\sum_{t=1}^{T}\gamma_{xi}t)^2+(\sum_{t=1}^{T}S_{it}^{x})^2+(\sum_{t=1}^{T}\varepsilon_{i0}^{x})^2$$

$$+2(\sum_{t=1}^{T}\gamma_{xi}t\sum_{t=1}^{T}S_{it}^{x}+\sum_{t=1}^{T}S_{it}^{x}\sum_{t=1}^{T}\varepsilon_{i0}^{x}+\sum_{t=1}^{T}\gamma_{xi}t\sum_{t=1}^{T}\varepsilon_{i0}^{x})$$

$$\Longrightarrow \frac{T^4}{4}\gamma_{xi}^2 + T^3\sigma_{xi}^2\left(\int_0^1 W_x(t)dt\right)^2 + T^2{\varepsilon_{i0}^x}^2 + \frac{T^{7/2}}{2}\gamma_{xi}\sigma_{xi}\int_0^1 W_x(t)dt$$

$$+T^{5/2}\varepsilon_{i0}^x\sigma_{xi}\int_0^1 W_x(t)dt + \frac{T^3}{2}\gamma_{xi}\varepsilon_{i0}^x \qquad (2.2.10)$$

Hence, we obtain

$$\hat{\beta} = \frac{\sum_{i=1}^N \gamma_{yi}\gamma_{xi} + 12T^{-1/2}\sum_{i=1}^N \gamma_{yi}\gamma_{xi}\{(1/\gamma_{yi})\xi_{yi} + (1/\gamma_{xi})\xi_{xi}\}}{\sum_{i=1}^N \gamma_{xi}^2 + 24T^{-1/2}\sum_{i=1}^N \gamma_{xi}^2(1/\gamma_{xi})\xi_{xi}}, \qquad (2.2.11)$$

where $\xi_{zi} = \int_0^1 t\sigma_{zi}W_z(t)dt - \frac{1}{2}\int_0^1 \sigma_{zi}W_z(t)dt,\ z = x, y.$

It follows that

$$T^{1/2}\left(\hat{\beta} - \frac{A}{B}\right) \Longrightarrow 12\frac{A}{B}\sum_i\left\{\frac{\gamma_{xi}}{A}\xi_{yi} + \left(\frac{\gamma_{yi}}{A} - 2\frac{\gamma_{xi}}{B}\right)\xi_{xi}\right\} \qquad (2.2.12)$$

where $A = \sum_{i=1}^N \gamma_{xi}\gamma_{yi},\ B = \sum_{i=1}^N \gamma_{xi}^2 \neq 0$, *i = 1, ..., N.*

The asymptotic result is ($T \rightarrow \infty, N < \infty$),

$$T^{\frac{1}{2}}\left(\hat{\beta} - \frac{A}{B}\right) \Longrightarrow N\left(0, \frac{6}{5B^2}\left(\sum\gamma_{xi}^2\sigma_{yi}^2 + \sum_i\left(\gamma_{yi}^2 + \frac{4\left(A^2\gamma_{yi}^2 - AB\gamma_{yi}\gamma_{xi}\right)}{B^2}\right)\sigma_{xi}^2\right)\right) \qquad (2.2.13)$$

Compared to spurious regressions in panel data model with zero drift in Kao (1999) and Phillips and Moon (1999)[3], the FE estimator, $\hat{\beta}$, is asymptotically normal and converges to the ratio of the drift terms $\sum_{i=1}^N \gamma_{xi}\gamma_{yi} / \sum_{i=1}^N \gamma_{xi}^2$; for example, $\gamma_{xi} = 1$ and $\gamma_{yi} = 0.5$, then the ratio is 0.5. The speed of convergence is $\sqrt{T}$, which differs from the $\sqrt{n}$ asymptotic in Kao (1999) and

[3] The asymptotic results in Kao (1999) and Phillips and Moon (1999) converge to the ratio of the variance and covariance in the long-run covariance matrix.

Phillips and Moon (1999). Entorf (1997) assumes a large *T* and finite *n* panel, while Kao (1999) and Phillips and Moon (1999) assume a large *T* and large *n* panel and sequential limits, $T \to \infty$ and then $n \to \infty$.

2.3 Monte Carlo Study

In order to see panel spurious regression phenomenon under various *n* and *T*, we perform a Monte Carlo study that examines the properties of the LSDV estimator, $\hat{\beta}$, $t_{\hat{\beta}}$, R^2, and rejection frequencies of H_0: $\hat{\beta}$=0. The data generating processes (DGP) for simulation are

$$x_{it} = \gamma_{xi} + x_{it-1} + \varepsilon_{it}^{x} \ , \tag{2.3.1}$$

$$y_{it} = \gamma_{yi} + y_{it-1} + \varepsilon_{it}^{y} \ , \text{ for all } i = 1,..., N, t = 1,..., T, \tag{2.3.2}$$

where both ε_{it}^{x} and ε_{it}^{y} are created by random draws from a normal (0, 1) distribution and the initial values y_{i0} and x_{i0} set to 0. For sample sizes, we try different combinations for *T* = {2, 3, 5, 8, 10, 30} and *n* = {10, 30, 50, 100, 200, 1000}. The drifts, γ_{xi} and γ_{yi} are varied over the ranges {0.1, 0.2, 0.5, 1, 2} and {0.1, 0.2, 0.5, 1}, respectively. Compared to Entorf (1997)[4], we use large *n* and finite *T* environments and various ratios of drift terms. The number of simulations is 1,000. All random numbers are generated by using GAUSS procedures.

The results from our Monte Carlo study are presented in Tables 2.1-2.5. For simplicity, here we present only part of the results.[5] Tables 2.1-2.4 show the 5%-percentile, 95%-percentile, and mean values of the spurious LSDV estimator, the 90%-percentile and mean of *t*-value, and the

[4] $T \in \{10, 20, 30, 50, 100, 200, 1000\}$ and $n \in \{5, 10, 20, 30, 40, 50\}$ are used in Entorf (1997)

[5] The full results are in Appendix.

rejection rates of the spurious LSDV estimator for various values of *T*, *n*, γ_{xi}, and γ_{yi}.[6] The results for $\gamma_{xi} = 0.2$ and $\gamma_{yi} = 0.1$, for $\gamma_{xi} = 0.1$ and $\gamma_{yi} = 0.2$, for $\gamma_{xi} = 0.5$ and $\gamma_{yi} = 0.5$, and for $\gamma_{xi} = 1$ and $\gamma_{yi} = 1$ are shown in Table 2.1, 2.2, 2.3, and 2.4 respectively. Panel (a) gives the results with increasing *T* and *n*. Panel (b) reports the role of increasing *T* with *n*=30 while panel (c) shows the role of increasing *n* with *T*=10.

From the results, we find several phenomena. First, the mean LSDV estimator

Table 2.1
The spurious fixed effect models with drifts $\gamma_{xi} = 0.2$ and $\gamma_{yi} = 0.1$

	Distribution of $\hat{\beta}$			Distribution of absolute *t*-values		
	Mean	5%	95%	Mean	90%	Rejection rates
(a) Increasing *T* and *n*						
T=3, *n*=10	0.024	-0.414	0.434	0.920	1.949	0.086
T=5, *n*=50	0.050	-0.105	0.209	1.297	2.625	0.231
T=30, *n*=10	0.186	-0.107	0.490	4.581	9.006	0.752
T=30, *n*=50	0.186	0.050	0.323	8.605	13.502	0.959
(b) Increasing *T* (*n*=30)						
T=3	0.028	-0.214	0.266	0.944	1.930	0.086
T=5	0.043	-0.161	0.246	1.194	2.384	0.190
T=10	0.085	-0.094	0.262	2.007	4.059	0.437
T=30	0.191	0.029	0.365	6.941	11.711	0.928
(c) Increasing *n* (*T*=10)						
n=10	0.087	-0.231	0.409	1.778	3.664	0.368
n=50	0.082	-0.064	0.227	2.253	4.559	0.512
n=100	0.084	-0.019	0.185	2.903	5.342	0.666
n=200	0.084	0.011	0.162	3.893	6.703	0.811
n=1000	0.083	0.052	0.115	8.453	10.929	0.999

Notes: the asymptotic pseudo true value of $\hat{\beta}$ $(\gamma_{yi}/\gamma_{xi})$ is 0.5.

[6] We do not present R^2, because R^2s are over 0.99 in most cases and the minimum value is 0.98.

increases as *T* increases while *n* does not affect the estimates. For example, in panel (b) in Table 2.1, mean values of the estimator increase from 0.028 to 0.191 while those in panel (c) do not alter significantly. Second, t-values grow not only as the panel size grows in either *T* or *n* but also as drift increases. For instance, t-values grow from 0.920 to 8.605 in panel (a) in Table 1, and from 0.944 in panel (a) in Table 2.1 to 5.952 in panel (a) in Table 2.4. Third, the rejection rates grow not only as the panel size grows but as the size of the drift terms increases.

Table 2.2
The spurious fixed effect models with drifts $\gamma_{xi} = 0.1$ and $\gamma_{yi} = 0.2$

	Distribution of $\hat{\beta}$			Distribution of absolute *t*-values		Rejection rates
	Mean	5%	95%	Mean	90%	
(a) Increasing *T* and *n*						
T=3, *n*=10	0.031	-0.394	0.434	9.047	12.370	0.075
T=5, *n*=50	0.053	-0.126	0.217	26.914	31.062	0.209
T=30, *n*=10	0.257	-0.141	0.642	26.659	34.957	0.767
T=30, *n*=50	0.261	0.096	0.437	58.125	66.331	0.974
(b) Increasing *T* (*n*=30)						
T=3	0.030	-0.217	0.271	15.215	18.628	0.092
T=5	0.048	-0.204	0.278	20.931	25.080	0.231
T=10	0.093	-0.115	0.290	29.535	34.791	0.430
T=30	0.255	0.022	0.473	45.320	53.668	0.904
(c) Increasing *n* (*T*=10)						
n=10	0.091	-0.274	0.475	17.777	23.504	0.363
n=50	0.096	-0.075	0.268	38.172	43.838	0.519
n=100	0.092	-0.022	0.203	54.167	59.809	0.633
n=200	0.096	0.013	0.183	75.998	81.695	0.815
n=1000	0.096	0.061	0.132	169.839	175.136	1.000

Notes: the asymptotic pseudo true value of $\hat{\beta}$ $(\gamma_{yi}/\gamma_{xi})$ is 2.

Table 2.3
The spurious fixed effect models with drifts $\gamma_{xi} = 0.5$ and $\gamma_{yi} = 0.5$

	Distribution of $\hat{\beta}$			Distribution of absolute *t*-values		Rejection rates
	Mean	5%	95%	Mean	90%	
(a) Increasing *T* and *n*						
T=3, *n*=10	0.278	-0.132	0.702	1.473	2.918	0.255
T=5, *n*=50	0.383	0.244	0.525	5.925	7.801	0.999
T=30, *n*=10	0.801	0.579	1.041	23.148	29.223	1.000
T=30, *n*=50	0.795	0.705	0.893	49.701	55.812	1.000
(b) Increasing *T* (*n*=30)						
T=3	0.275	0.050	0.505	2.257	3.785	0.581
T=5	0.385	0.191	0.568	4.603	6.428	0.965
T=10	0.562	0.392	0.726	11.197	14.202	1.000
T=30	0.792	0.676	0.925	38.432	44.348	1.000
(c) Increasing *n* (*T*=10)						
n=10	0.564	0.287	0.861	6.751	9.535	0.987
n=50	0.555	0.418	0.692	14.293	17.378	1.000
n=100	0.560	0.473	0.650	20.209	22.837	1.000
n=200	0.556	0.495	0.617	28.439	31.110	1.000
n=1000	0.556	0.528	0.585	63.435	66.200	1.000

Notes: the asymptotic pseudo true value of $\hat{\beta}$ $(\gamma_{yi}/\gamma_{xi})$ is 1.

For example, when *T*=3 and *n*=10, the rejection rates are 0.086 for $\gamma_{xi} = 0.2$ and $\gamma_{yi} = 0.1$, versus 0.859 for $\gamma_{xi} = 1$ and $\gamma_{yi} = 1$. Fourth, the mean LSDV estimator increases as the size of the drift terms increases. For example, when *T*=5 and *n*=50, the mean estimates are 0.383 for $\gamma_{xi} = 0.5$ and $\gamma_{yi} = 0.5$, and 0.718 for $\gamma_{xi} = 1$ and $\gamma_{yi} = 1$ even though the asymptotic pseudo true values of $\hat{\beta}$ are same in both cases. Fifth, *T* and the magnitude of the drift terms affect the convergence of the mean FE estimator.[7] From the Tables 2.1 and 2.2, when both of

[7] This is identical to Entorf's (1997) simulation results, panel (c) in Table 1.

the drift terms are small, the mean FE estimator does not converge to the asymptotic pseudo true value of $\hat{\beta}$ even the panel size grows in either *T* or *n*. We note that biases between the mean estimator and the asymptotic pseudo true value in Table 2.1 are smaller than those in Table 2.2.

Table 2.4
The spurious fixed effect models with drifts $\gamma_{xi} = 1$ and $\gamma_{yi} = 1$

	Distribution of $\hat{\beta}$			Distribution of absolute *t*-values		
	Mean	5%	95%	Mean	90%	Rejection rates
(a) Increasing *T* and *n*						
T=3, *n*=10	0.601	0.285	0.956	3.478	5.163	0.859
T=5, *n*=50	0.718	0.607	0.834	14.577	16.677	1.000
T=30, *n*=10	0.942	0.818	1.077	48.439	58.634	1.000
T=30, *n*=50	0.938	0.880	0.995	104.091	113.931	1.000
(b) Increasing *T* (*n*=30)						
T=3	0.608	0.435	0.794	5.952	7.507	1.000
T=5	0.719	0.577	0.869	11.366	13.395	1.000
T=10	0.837	0.726	0.951	25.188	28.950	1.000
T=30	0.939	0.862	1.014	81.127	90.640	1.000
(c) Increasing *n* (*T*=10)						
n=10	0.848	0.651	1.063	15.069	18.881	1.000
n=50	0.837	0.751	0.929	32.293	35.873	1.000
n=100	0.835	0.771	0.902	45.510	49.199	1.000
n=200	0.834	0.790	0.879	64.064	67.635	1.000
n=1000	0.833	0.814	0.854	143.049	146.616	1.000

Notes: the asymptotic pseudo true value of $\hat{\beta}$ (γ_{yi}/γ_{xi}) is 1.

It indicates, when $\gamma_{xi} > \gamma_{yi}$, the FE estimator has a faster convergence speed. From the Table 2.3 and 2.4, when both of the drift terms are 0.5 and 1, respectively, the mean FE estimator

converge as *T* increases. We also note that the speed of convergence in Table 2.4 is faster than that in Table 2.3. It means that the FE estimator converges at a faster rate with large drifts than with small drifts.

2.4 Response Surface Regression

In order to investigate which factors affect the FE estimator, $\hat{\beta}$, we evaluate the response surface regression. After using several functional forms, we develop the following response surface regression for the estimates

$$\hat{\beta} = \alpha_1 T + \alpha_2 \gamma_{xi} + \alpha_3 \gamma_{yi} + \alpha_4 \beta_0, \tag{2.4.1}$$

where γ_{xi} and γ_{yi} are drifts in (2.3.1) and (2.3.2), respectively. β_0 is the asymptotic pseudo true value of $\hat{\beta}$. The equation which we obtained using stepwise regression is reported in Table 2.5. From this result, we find that *n* has no effect on $\hat{\beta}$ and both the ratio, β_0 and the values of γ_{xi} and γ_{yi} are correlated with $\hat{\beta}$ but with opposite signs. Compared to γ_{xi}, γ_{yi} has a greater absolute impact on $\hat{\beta}$.

Table 2.5

Response surface estimates of $\hat{\beta}$

	T	β_0	γ_{xi}	γ_{yi}
$\hat{\beta}$	0.00120***	0.256***	-0.180***	0.580***
	(0.00015)	(0.0368)	(0.0205)	(0.0572)
Observations	960			
R^2	0.717			

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

2.5 Conclusion

This study extends Entorf′s (1997) simulation environments (a large *T* and finite *n* panel) on panel spurious regressions and emphasizes the role of drifts and *T* and *n* in the estimations and tests for large *n* and small *T* by Monte Carlo experiments contrary to his environments, large *T* and finite *n*. We find that spurious symptoms in panel regression arise with great frequency even for large *n* and small *T*. For example, the rejection rate in panel (c) in Table 3 is 1.0 when *T*=10 and *n*=1000 and 90% of $\hat{\beta}$ lie between 0.528 and 0.585, even though there is no relationship between *x* and *y*. Because the traditional panel studies use large *n* and small *T* panels, we should also be careful when we use such panels. The mean FE estimator increases as *T* increases while *n* does not affect the estimates. t-values grow not only as the panel size grows in either *T* or *n* but also as drift increases. The rejection rates grow not only as the panel size grows but as the size of the drift terms increases. The mean FE estimator increases as the size of the drift terms increases. *T* and the magnitude of the drift terms affect the convergence of the mean FE estimator. From response surface regression, the mean FE estimator increases

not only as the ratio of the drifts in y_t and x_t increases but also as the value of γ_{yi} increases, but decreases as the value of γ_{xi} increases. γ_{yi} has a greater impact on $\hat{\beta}$ than γ_{xi}.

CHAPTER 3

A Bootstrapped Pre-Test Estimator in Time Series Regression

3.1 Introduction

When the stationarity of a series is suspected, it is common procedure to test for a unit root prior to estimation of regression coefficients. If the hypothesis of a unit root is not rejected by the test, we difference the data and use an ordinary least square estimator (OLS), while if it is rejected we use levels data for estimation. This sequential procedure is closely related to model selection and estimation. The estimator of the regression coefficients obtained from this procedure is a preliminary test estimator after the pre-test for unit root, but we commonly report its properties as if estimation had not been preceded by a pre-test. Thus, we report no bias and an incorrect variance even these might be caused by the pre-test. It is clearly a wrong custom. We should properly report the bias and variance of the estimators, even though it is well known that pre-test estimators have poor properties.[1]

[1] Danilov and Magnus (2001)

Consider the following simple but common example:

$$y = \beta x + \gamma z + \varepsilon, \quad \varepsilon \sim N(0, \sigma^2 I_n), \tag{3.1.1}$$

where x is an $n \times 1$ vector of explanatory variable that are required to be in the model on theoretical or other grounds, while z is an $n \times 1$ vector of additional explanatory variable that could be in the regression or not. Moreover, β is a parameter of interest and γ is a nuisance parameter. The only reason for including z in the model is that by doing so we expect to obtain a better estimator of β. The usual procedure is to test the hypothesis that $\gamma = 0$ and to include z if the hypothesis is rejected and exclude it otherwise. Thus, β is the pre-test estimator in this case.

After the seminal paper of Bancroft (1944), a number of studies have investigated the statistical properties of sequential estimation strategies in time series analysis. These studies have emphasized the 'estimation after pre-test' by Judge and Bock (1978), Griffiths and Beesley (1984), and Hjorth (1994) among others, and the 'test after pre-test' by Nakamura and Nakamura (1978), King and Giles (1984), and Oke (1998). However, in spite of wide use of pre-testing for unit root and cointegration in time series analysis, these studies consider only the stationary case, i.e. $0 < \rho < 1$. We focus on the situation when we have unit root.

Diebold and Kilian (2000) discuss the prediction mean squared errors between restricted, unrestricted, and pre-test estimators under an AR(1) model whether it has unit root or not, for an assessment they consider only the prediction mean squared errors of the estimators.

In this study, we contribute to the existing literature in two ways. First, this study investigates the properties of the pre-test estimation and hypothesis test after pre-testing and examines the usefulness of the pre-test unit root tests in an ARMA(1,1) model. Second, we suggest the recursive bootstrap and moving-block methods in estimation after pre-test to approximate the distribution of pre-test estimators and compare bootstrap inference with conventional asymptotic inference. We present the standard and bootstrapped results through Monte-Carlo experiments. The simulation results show that the conventional pre-test procedure has serious size distortion and the recursive bootstrap method shows some size correction especially for small samples.

This paper is organized as follows. The pre-test estimator is discussed in Section 3.2. Section 3.3 discusses the bootstrap test procedures for pre-test estimator. Section 3.4 presents the Monte-Carlo scheme. Section 3.5 presents some simulation results. The properties of the pre-test estimator and the proposed bootstrap procedures are reported. Section 3.6 concludes.

3.2 Pre-Test Estimator

Consider the simple autoregressive moving-average of order (1,1) model as proposed by Box and Jenkins (1970).

$$y_t = \rho y_{t-1} + e_t + \theta e_{t-1}, \tag{3.2.1}$$

where ρ is an autoregressive (AR) coefficient, θ is a moving-average (MA) coefficient, and *e* is independent and identically distributed with zero mean and constant variance. Here we have two parameters, ρ and θ. Assume the main interest concerns θ. Then the pre-test procedure consists of a preliminary test on ρ to decide whether it has unit root or not.[2] If it has unit root we estimate $dy_t = \hat{\theta}_r e_{t-1} + e_t$ (ARIMA(0,1,1)), if it does not we estimate $y_t = \hat{\rho} y_{t-1} + \hat{\theta}_u e_{t-1} + e_t$ (ARIMA(1,0,1)), where the subscripts '*r*' and '*u*' denote 'restricted' and 'unrestricted', respectively. We may have the following pre-test estimators (PTE).

$$\hat{\theta}_{pt} = \begin{cases} \hat{\theta}_r, & \textit{if } \mathrm{H}_0 : \rho = 1 \text{ is not rejected;} \\ \hat{\theta}_u, & \text{otherwise;} \end{cases}$$

[2] Stationarity of an ARMA process depends only on the autoregressive parameters, ρ, and not on the moving-average parameters, Θ.

where the subscript *pt* denotes PTE. It can be rewritten as

$$\hat{\theta}_{pt} = \left(1 - I_{(-\infty,t_\alpha)}(t)\right) \cdot \hat{\theta}_r + I_{(-\infty,t_\alpha)}(t) \cdot \hat{\theta}_u, \tag{3.2.2}$$

where $I_{(-\infty,t_\alpha)}(t)$ is an indicator function such that it equals 1 when the null hypothesis is rejected (when the test statistic falls within the interval negative infinity to t_α) and equals 0 otherwise. Thus the PTE is a weighted estimator which depends on the significance level and the power of the unit root pre-test.

Describing the PTE like this emphasizes the difficulty of deriving its sampling properties; it is a mixture of two parts, both of which are composed of products of non-independent random variables. In general, the PTE will differ from each of its components in that it will have a different sampling distribution, and so its bias and precision will also differ. Pre-testing affects the sampling properties of the estimators that we use.[3] For example, from an applied standpoint one thing that becomes apparent from the above conditions is the impact of the level of significance on the outcome for the PTE. If the level of significance α is equal to 0 which means that t_α goes to the negative infinity, then the PTE becomes the restricted estimator, i.e.

[3] Giles and Giles (1993)

ρ has unit root. Alternatively if the level of significance α is equal to 1 which means that t_α is the positive infinity, then the PTE becomes the unrestricted estimator, i.e. $\rho < 1$. Therefore the choice of α has a crucial role to play in determining the sampling performance of the PTE. Suppose the unit root restrictions hold. Then the correct estimator is the restricted estimator. But, α % of the time, the test will incorrectly reject the null hypothesis and the PTE will be equal to the unrestricted estimator instead. Thus the PTE must be biased or less efficient than the restricted estimator when the restrictions do hold.

It is well known that studies to investigate the statistical properties of sequential estimation strategies have emphasized the 'estimation after pre-test' and the 'test after pre-test.' The 'estimation after pre-test' focuses on the first two moments of the PTE: the mean squared error and the associated trade-off between estimator bias and precision. Judge and Bock (1978) measure the risk of PTEs after the Durbin-Watson (1950, 1951) and Berenblutt and Webb's (1973) tests and find that autocorrelation pre-test is useful when the degree of autocorrelation is large. Griffiths and Beesley (1984) extend the Judge and Bock (1978)'s study. They analyze not only the consequences after the Durbin-Watson (1950, 1951) test but also Akaike's information criterion (AIC) to select between AR(1) and MA(1) disturbances. Giles and Beattie (1987) assess the risk of PTE in the model which includes a lagged dependent variable. Hjorth (1994) considers the model selection bias between AR(1) and AR(2).

The ‘test after pre-test’ focuses on the size and power of the test after pre-test. Nakamura and Nakamura (1978) consider positive AR(1) process with trend and find that there is size distortion. King and Giles (1984) also extend the Judge and Bock (1978)’s study and generalize the implications of autocorrelation pre-test on estimation and hypothesis testing. They show that the results are sensitive to the data and the nominal size of the pre-test. Oke (1998) investigates the properties of PTE for model selection between an ARMA(1,1) and an AR(1) model.

Diebold and Kilian (2000) discuss the prediction mean squared errors between restricted, unrestricted, and pre-test estimators under AR(1) model, whether it has unit root or not. But they only consider the prediction mean squared errors of the estimators for an assessment.

3.3 Bootstrap Method

The bootstrap introduced by Efron (1979) is a kind of computational nonparametric method. “*It is based on the idea that the sample is a good representation of the underlying population distribution.*”[4] As a result, we can approximate the population distribution by extracting any

[4] Jeong and Maddala (1993)

useful information repeatedly from the original sample.

The basic procedure of bootstrap, when we have a set of independent observations $\{x_1, x_2, ..., x_n\}$ and a test statistic $\hat{\theta}$, is as follows:[5]

(1) Draw a 'bootstrap sample' $B_1=\{x_1^*, x_2^*, ..., x_n^*\}$ from the original sample $\{x_1, x_2, ..., x_n\}$. Each x_i^* is a random pick from $\{x_1, x_2, ..., x_n\}$ with replacement.

(2) Compute $\hat{\theta}_1^B$ using B_1.

(3) Repeat steps (1) and (2) m times to obtain $\{\hat{\theta}_1^B, \hat{\theta}_2^B, \dots, \hat{\theta}_m^B\}$.

(4) Approximate the distribution of $\hat{\theta}$ by the bootstrap distribution $\hat{F}$, putting mass $1/m$ at each point $\hat{\theta}_1^B, \hat{\theta}_2^B, \dots, \hat{\theta}_m^B$.

It has been shown that the bootstrap approximation of the distribution of $\hat{\theta}$ converges to the true one if $m \to \infty$ under weak conditions, and its finite sample properties are reasonably satisfactory even in the cases where the traditional statistical approach fails.[6]

But, when the data are mutually dependent, the standard bootstrap method described above would fail. Since the bootstrap was originally designed for independent and identically distributed observations, 'resampling' of the data, which unavoidably alters the sequence of the data, will ruin precious information of the data. Thus, advanced bootstrap techniques are

[5] Jeong and Chung (2001)
[6] Jeong and Chung (2001). For example, see Horowitz (1997), Efron and Tibshirani (1993) and Hall (1992).

needed to handle the interdependent data. There are two alternative bootstrap methods to preserve sequence of the interdependent data in the literature. One is the 'recursive bootstrap' and the other is the 'moving-block bootstrap.' Recursive bootstrap developed by Veall (1986) and Rayner (1990) is fundamentally for regression models with autocorrelated errors. Assuming that the structure of serial correlation is known, recursive bootstrap resamples the observations 'recursively' according to the structure, to preserve the serial relationships in the data. Moving block bootstrap developed by Künsch (1989), Liu and Singh (1992), and Lahiri (1991), on the other hand, is a general procedure for the data whose interdependence structure is unknown. It divides the data of n observations into 'blocks' of length l and selects b of these blocks by resampling with replacement, instead of individual observations, to preserve the interdependence structure.[7] In this study, we employ both recursive bootstrap and moving-block bootstrap methods.

Wong (1997) investigates the inference of the pre-test for exogeneity and shows that the pre-test procedure may lead to serious size distortion in hypothesis testing. He employs a non-parametric bootstrapping procedure for approximating the small sample distribution of the PTE and shows that the bootstrapped pre-test substantially improves the size distortion of the conventional pre-test.

[7] Jeong and Maddala (1993), Li and Maddala (1996).

In order to bootstrap the data, we need to decide how to resample the data and the residuals, whether to construct the empirical distribution under the null hypothesis or under the alternative hypothesis, and the block length. For our recursive bootstrap, the bootstrap observations y_t^* would be generated according to the following two resampling schemes:

i. Restricted: $$y_t^* = y_{t-1}^* + e_t^* + \theta_0 e_{t-1}^* \quad (3.3.1)$$

ii. Unrestricted: $$y_t^* = \hat{\rho} y_{t-1}^* + e_t^* + \theta_0 e_{t-1}^* \quad (3.3.2)$$

where θ_0 is the hypothesized value and e_t^* is drawn randomly with replacement from centered residuals, $(\hat{e}_t - \sum_{i=1}^{n} \hat{e}_i/n)_{t=1}^{n}$ and defined as

iii. Restricted: $$\hat{e}_t = y_t - y_{t-1} - \theta_0 \hat{e}_{t-1} \quad (3.3.3)$$

iv. $$\hat{e}_t = y_t - y_{t-1} - \hat{\theta}_r \hat{e}_{t-1} \quad (3.3.4)$$

v. Unrestricted: $$\hat{e}_t = y_t - \hat{\rho} y_{t-1} - \theta_0 \hat{e}_{t-1} \quad (3.3.5)$$

vi. $$\hat{e}_t = y_t - \hat{\rho} y_{t-1} - \hat{\theta}_u \hat{e}_{t-1}, \quad (3.3.6)$$

where $\hat{\rho}$ is an estimate of ρ and $\hat{\theta}_r$ and $\hat{\theta}_u$ are the coefficients of the MA part of the restricted and unrestricted model respectively. We use the fitted residuals (3.3.3) and (3.3.4) for

the restricted model (3.3.1) and the fitted residuals (3.3.5) and (3.3.6) for the unrestricted model (3.3.2) to generate bootstrap samples. We suggest two recursive bootstrap tests for pre-test estimator in this study. First, we bootstrap the sample under (3.3.3) and (3.3.5) to improve the finite sample properties. Second, we generate the bootstrap sample under (3.3.4) and (3.3.6). We call the former test 'RCB1' and the latter test 'RCB2' hereafter. The use of (3.3.3) and (3.3.5) is based on the study of Van Giersbergen et al. (2002). The idea of using (3.3.4) and (3.3.6) has been used in Li and Maddala (1997) and its intuition is as follows. If the null hypothesis is true, the distribution of innovations is identical with the true distribution of the regression residuals. Hypothesis testing based on this will give the correct test size. If the null hypothesis is not true, then its distribution is different from the true distribution of the residuals. Hypothesis testing will give proper power depending on how far the null hypothesis is away from the true value of θ.[8] The centering is important, since otherwise the mean of the estimated residuals may be nonzero. Formally the recursive bootstrap procedure under (3.3.3) and (3.3.5), RCB1, is as follows.

$$\begin{aligned} &1)\ dy_t = \hat{\theta}_r e_{t-1} + e_t \\ &2)\ y_t = \hat{\rho} y_{t-1} + \hat{\theta}_u e_{t-1} + e_t \end{aligned} \tag{3.3.7}$$

[8] Maddala and Kim (1998)

1. Estimate both equations 1) and 2).
2. Compute the residuals $\hat{e}$ by the above equations (3.3.3) and (3.3.5) and centering.
3. Resample the rescaled residuals to construct a bootstrap residual vector *e**.
4. Recursively create a 'fake' data *y** by the above equations (3.3.1) and (3.3.2).
5. Using *y**, re-estimate θ^* after pre-test.
6. Repeat 2 – 5 to construct the empirical distribution of θ^*, F_θ^*.
7. Test $H_0: \theta = \theta_0$ by comparing the empirical significance point from F_θ^* to θ from the original data, where $\theta_0 = 0$.

The percentile method is employed in step 7. The percentile method is the simplest method to construct confidence intervals. The $(1-2\alpha)$ confidence interval for θ is $(\hat{\theta} - z_{1-\alpha}^*, \hat{\theta} + z_\alpha^*)$ where z_α^* is the $100\,\alpha$ percentile of the bootstrap distribution of $\hat{\theta}^*$.[9] The recursive bootstrap procedure with (3.3.4) and (3.3.6), RCB2, is same as the above procedure except step 2.

For the moving-block bootstrap, though the length of block generally depends on the sample size as well as the time dependency of the data, we select block lengths of $l = \{3, 5, 8\}$.[10] We call these tests 'MBB3', 'MBB5', and 'MBB8' hereafter. A moving-block bootstrap procedure

[9] Because the percentile method gives often unsatisfactory small sample properties, one can apply the percentile-t method (Efron, 1981) and the accelerated bias-corrected percentile method (Efron, 1987) for an alternative. But the percentile-t method does not give better results in our pilot experiment, we use the percentile method for time saving.

[10] There are several studies about the block size selection rule, e.g. Andrews (1991), Hall et al. (1995), Li and Maddala (1996), and Bühlmann and Künsch (1999). However these methods are very time consuming, we consider conventional block sizes.

can be constructed as follows.

1. Draw blocks randomly with replacement from the blocked $\{y_t, \ldots, y_{t+l-1}\}$ from t to $t+l-1$ and $t=1, \ldots, n-l+1$ to create a 'fake' data y^*, where n is the number of observations and l is the block length.
2. Using y^*, re-estimate θ^* from the result of pre-test
3. Same as the above recursive procedure 6 – 7.

3.4 Monte Carlo Design

To investigate the inference of the PTE and the performance of the bootstrap methods, we perform a Monte Carlo study. The data generating process is

$$y_t = \rho y_{t-1} + u_t,\ u_t = \theta e_{t-1} + e_t, \qquad e_t \sim iid\ N(0,1). \tag{3.4.1}$$

The degree of autocorrelation is controlled by changing the value of ρ. In this study, we experiment with 4 different values of $\rho = \{0.0, 0.4, 0.7, 1.0\}$. We assume $\theta = \{-0.8, -0.4, 0.0, 0.4, 0.8\}$. For the number of observations, we try four different sample sizes: 25, 50, 100, and

250. The number of bootstrap replications is set to 200 and the number of simulations is 1000. The sample sizes and the value of ρ and θ are common and many recent studies are based on numbers in these ranges. We estimate the parameters of all models by the Eviews. The restricted model (ARIMA(0,1,1)) and the unrestricted model (ARIMA(1,0,1)), with estimated parameters θ_r and θ_u respectively, are found for every series without pre-test. We then pre-test for the unit root hypothesis. The nominal size of the Dickey and Fuller (1979, 1981) unit root test is set to 0.05. If the null hypothesis is not rejected, the restricted model is estimated yielding θ_r. If the null hypothesis is rejected, the unrestricted model is estimated yielding θ_u. Hence the pre-test estimator θ_{pt} is obtained by considering both estimation procedures according to the outcome of the test of significance.

To measure for the sample properties of PTE, we use the bias between { θ_r , θ_u , θ_{pt} } and the true parameter and the mean squared errors of three estimators. For the *t*-test after pre-test, we evaluate the empirical rejection rates of the t-test for the null hypothesis $H_0: \theta = 0$ against the alternative hypothesis $H_1': \theta \neq 0$. The ordinary t-test is also conducted at a nominal 5% level. The test statistic is $t = \tilde{\theta} / se(\tilde{\theta})$, where $\tilde{\theta}$ is { θ_r , θ_u , θ_{pt} }. When the true parameter is assigned to 0, the relative frequency with which H_0 is rejected estimates the actual size of the t-test. For the true $\theta \neq 0$, the power of the test is simply calculated as the proportion of rejections of the t-test.

3.5 Simulation Results

3.5.1 The Pre-Test Estimator

The results from our Monte Carlo study are presented in Tables 3.1-3.9. Table 3.1 presents biases of parameter estimates. Obviously the bias of the PTE, θ_{pt} is between that of the restricted estimator, θ_r, and that of the unrestricted estimator, θ_u in most cases. For example, for N=100, the bias of θ_{pt} is smaller than the bias of θ_r in all but 3 cases and larger than the bias of θ_u in 11 cases in absolute value. Generally, the biases of θ_{pt} and θ_u are smaller than the bias of θ_r in absolute value when the true value of ρ is not near one regardless of the value of θ. As the sample size increases, we have an improvement in bias performance for both θ_{pt} and θ_u in most cases. As for θ_r, its bias, however, generally increases with increasing sample size except in the case ρ=1.0. For instance, when $\theta = -0.8$ and ρ=0.7, the bias of θ_u is 0.667, that of θ_{pt} is 0.476, and that of θ_r is -0.177 for N=50, while the bias of θ_u is 0.366, that of θ_{pt} is 0.358, and that of θ_r is -0.192 for N=250. When $\theta = -0.8$ but ρ=1.0, the bias of θ_u is 0.096, that of θ_{pt} is 0.011, and that of θ_r is -0.054 for N=50, while the bias of θ_u is -0.007, that of θ_{pt} is -0.008, and that of θ_r is -0.008 for N=250. This is not surprising, since the restricted model is a misspecification whenever $\rho \neq 1.0$.

Table 3.1. Estimates of the bias of θ with regard to different types of estimation procedures.

		N=25			N=50			N=100			N=250		
θ	ρ	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}
-0.8	0.0	-0.001	-0.172	-0.027	-0.039	-0.179	-0.041	-0.031	-0.186	-0.031	-0.009	-0.193	-0.009
	0.4	0.283	-0.172	0.185	0.154	-0.180	0.141	0.036	-0.186	0.035	-0.004	-0.192	-0.004
	0.7	0.734	-0.161	0.364	0.667	-0.177	0.476	0.576	-0.185	0.512	0.366	-0.192	0.358
	1.0	0.425	-0.070	0.166	0.096	-0.054	0.011	0.002	-0.027	-0.015	-0.007	-0.008	-0.008
-0.4	0.0	0.075	-0.572	-0.146	0.015	-0.579	-0.155	0.000	-0.586	-0.129	-0.004	-0.593	-0.020
	0.4	0.404	-0.546	0.035	0.414	-0.567	0.033	0.396	-0.580	0.131	0.422	-0.590	0.377
	0.7	0.322	-0.368	-0.062	0.212	-0.383	-0.096	0.059	-0.382	-0.086	0.004	-0.361	-0.030
	1.0	0.011	-0.074	-0.042	-0.024	-0.027	-0.024	-0.010	-0.014	-0.013	-0.007	-0.009	-0.009
0.0	0.0	0.003	-0.943	-0.383	0.009	-0.968	-0.365	0.024	-0.981	-0.249	-0.020	-0.991	-0.056
	0.4	0.133	-0.692	-0.249	0.081	-0.745	-0.211	0.036	-0.768	-0.185	0.012	-0.777	-0.048
	0.7	0.097	-0.270	-0.189	0.048	-0.254	-0.103	0.014	-0.235	-0.067	0.001	-0.223	-0.027
	1.0	0.028	0.009	0.013	0.007	0.000	0.001	0.006	0.002	0.003	0.005	0.002	0.003
0.4	0.0	-0.035	-1.115	-0.480	-0.030	-1.225	-0.359	0.006	-1.292	-0.295	0.022	-1.346	-0.048
	0.4	0.088	-0.464	-0.293	0.056	-0.464	-0.129	0.021	-0.432	-0.098	0.008	-0.404	-0.020
	0.7	0.115	-0.114	-0.090	0.042	-0.118	-0.082	0.026	-0.111	-0.027	0.004	-0.124	-0.008
	1.0	0.092	0.074	0.074	0.042	0.035	0.035	0.016	0.013	0.014	0.006	0.005	0.006
0.8	0.0	0.007	-0.955	-0.572	0.033	-1.012	-0.387	0.025	-1.092	-0.295	0.011	-1.220	-0.059
	0.4	0.105	-0.207	-0.158	0.056	-0.135	-0.063	0.030	-0.122	-0.022	0.010	-0.117	-0.001
	0.7	0.120	-0.003	0.004	0.054	-0.009	-0.003	0.031	-0.015	0.003	0.008	-0.034	0.001
	1.0	0.110	0.077	0.078	0.064	0.044	0.044	0.039	0.025	0.025	0.017	0.010	0.011

To compare the MSE performance of the θ_r , θ_u , and θ_{pt} estimators in a better way, we evaluate the values of relative MSE by considering the ratios of MSEs of the θ_r and θ_u estimators relative to that of the θ_{pt} estimator. Table 3.2 presents the relative MSEs of parameter estimates. Note that if the MSE(θ_r)/MSE(θ_{pt}) and MSE(θ_u)/MSE(θ_{pt}) ratios are greater than 1, pre-test leads to a gain in efficiency. We observe that MSEs of θ_u and θ_r have totally different patterns over the whole parameter space and the relative efficiency in general depends on θ, ρ, and n. For the positive MA parameter (θ=0.4, 0.8), both ratios move in the opposite direction i.e., the MSE(θ_r)/MSE(θ_{pt}) ratio approaches to one from above as ρ grows but the MSE(θ_u)/MSE(θ_{pt})

Table 3.2. Relative MSEs of the θ_U, θ_R, and θ_{PT} with regard to different types of estimation procedures.

		N=25		N=50		N=100		N=250	
θ	ρ	θ_U / θ_{PT}	θ_R / θ_{PT}	θ_U / θ_{PT}	θ_R / θ_{PT}	θ_U / θ_{PT}	θ_R / θ_{PT}	θ_U / θ_{PT}	θ_R / θ_{PT}
-0.8	0.0	1.000	0.110	1.000	0.943	1.000	4.375	1.000	12.333
	0.4	2.225	0.099	1.007	0.109	1.000	0.493	1.000	6.167
	0.7	1.835	0.046	1.201	0.040	1.102	0.041	1.032	0.075
	1.0	1.728	0.061	1.196	0.123	2.000	1.000	1.000	1.000
-0.4	0.0	0.916	0.532	0.916	1.305	0.638	2.732	0.771	10.029
	0.4	1.439	0.538	1.314	0.659	1.122	0.564	1.009	0.599
	0.7	1.765	0.625	1.583	0.991	0.771	0.855	0.568	3.364
	1.0	2.797	0.973	1.567	1.000	1.100	1.000	1.333	1.000
0.0	0.0	0.719	1.566	0.685	1.390	0.687	1.459	0.916	2.294
	0.4	0.898	1.223	0.554	2.794	0.397	2.042	0.373	8.547
	0.7	1.481	1.565	1.000	1.068	0.370	1.739	0.533	3.600
	1.0	1.185	1.000	1.067	1.000	1.000	1.000	1.000	1.000
0.4	0.0	0.613	1.662	0.266	3.574	0.204	3.364	0.210	14.613
	0.4	0.498	1.886	0.313	1.381	0.280	2.240	0.529	10.235
	0.7	0.629	1.306	0.569	1.069	0.833	1.444	0.857	3.143
	1.0	1.290	1.000	1.115	1.000	1.111	1.000	1.000	1.000
0.8	0.0	0.121	1.250	0.132	2.364	0.020	3.108	0.031	18.255
	0.4	0.299	1.217	0.456	1.368	0.421	2.421	0.667	6.333
	0.7	0.759	1.000	1.417	1.000	0.857	1.000	1.000	2.000
	1.0	8.368	1.000	1.700	1.000	1.800	1.000	1.500	1.000

ratio increases towards one from below as ρ grows. For the negative MA parameter (θ=-0.4, -0.8) and θ=0, both ratios show that there is no improvement in efficiency and the restricted model have good efficiency even though that model imposes a misspecification. We find that for ρ=1, when the restricted model is the true model except θ=0, the pre-test results in both ratios close to 1 when $|\theta|$ is not large. The gain in efficiency attains as the sample size grows. These results are because the distortions result from the augmented Dickey-Fuller small-sample bias and the Dickey-Fuller is not powerful when there are MA disturbances. This observation

suggests that more powerful unit root tests such as the DF-GLS test of Elliott, Rothenberg, and Stock (1996) could be used for greater accuracy.

The empirical rejection rates of t-tests are presented in Table 3.3. For $\theta = 0$, the empirical rejection rates are the actual sizes of a 0.05 t-test. The conventional pre-testing procedure tends to over-reject. Thus we often reject a true hypothesis $\theta = 0$. This result corresponds to the findings of Oke (1998) where the pre-test was focused on the significance of

Table 3.3. Estimates of the rejection rates of t-test of $H_0: \theta = 0$ using different estimation procedures for Θ and a nominal size α=0.05.

		N=25			N=50			N=100			N=250		
θ	ρ	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}	θ_U	θ_R	θ_{PT}
-0.8	0.0	0.899	1.000	0.923	0.983	1.000	0.983	1.000	1.000	1.000	1.000	1.000	1.000
	0.4	0.716	1.000	0.795	0.857	1.000	0.870	0.959	1.000	0.960	0.998	1.000	0.998
	0.7	0.511	0.997	0.728	0.477	1.000	0.633	0.546	1.000	0.610	0.726	1.000	0.731
	1.0	0.693	0.992	0.874	0.884	1.000	0.956	0.981	1.000	0.991	1.000	1.000	1.000
-0.4	0.0	0.493	1.000	0.678	0.457	1.000	0.636	0.522	1.000	0.663	0.763	1.000	0.770
	0.4	0.504	0.992	0.725	0.448	1.000	0.689	0.402	1.000	0.576	0.400	1.000	0.424
	0.7	0.442	0.921	0.758	0.410	0.987	0.716	0.485	1.000	0.633	0.758	1.000	0.772
	1.0	0.494	0.596	0.574	0.756	0.830	0.823	0.963	0.984	0.979	1.000	1.000	1.000
0.0	0.0	0.496	0.994	0.727	0.425	1.000	0.653	0.408	1.000	0.589	0.350	1.000	0.375
	0.4	0.376	0.822	0.617	0.264	0.932	0.506	0.178	0.991	0.391	0.090	1.000	0.161
	0.7	0.272	0.377	0.338	0.129	0.425	0.316	0.106	0.592	0.292	0.070	0.870	0.162
	1.0	0.199	0.169	0.161	0.093	0.086	0.086	0.058	0.064	0.062	0.052	0.058	0.058
0.4	0.0	0.464	0.836	0.620	0.450	0.944	0.607	0.532	0.994	0.644	0.792	1.000	0.801
	0.4	0.512	0.458	0.411	0.638	0.413	0.579	0.822	0.391	0.742	0.991	0.344	0.959
	0.7	0.576	0.434	0.430	0.742	0.538	0.576	0.951	0.759	0.876	1.000	0.981	0.999
	1.0	0.608	0.602	0.601	0.843	0.847	0.847	0.983	0.985	0.985	1.000	1.000	1.000
0.8	0.0	0.889	0.746	0.747	0.983	0.774	0.942	1.000	0.841	0.964	1.000	0.879	0.996
	0.4	0.971	0.859	0.861	0.999	0.943	0.971	1.000	0.987	0.996	1.000	0.999	1.000
	0.7	0.988	0.954	0.956	0.999	0.992	0.993	1.000	1.000	1.000	1.000	1.000	1.000
	1.0	0.988	0.989	0.989	0.999	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000

MA term. The over-rejection seem to be more severe for smaller ρ's. The actual size of t-test, however, is near or equal to the nominal size of t-test as the sample sizes increase for ρ close to one for all three tests. The power of t-test can be compared when the size of the test is correct. When ρ=1, n={100, 250}, and $\theta \neq 0$, the empirical power of the t-test also increases as the sample size increases. Generally, θ_u has better size and θ_r is worst.

3.5.2 Bootstrapped Pre-Test Estimators

We compare six alternative tests for pre-test estimator: the conventional t-test, the RCB1 test, RCB2 test, the MBB3 test, the MBB5 test, and the MBB8 test. The rejection rates of tests of the null of $\theta = 0$ are reported in Tables 3.4 and 3.5.[11] From the previous results, we found that the size distortion is large even in large sample with the exception of N=250 and $\rho = 1$. The bootstrap procedures show the following results. First, both of the recursive bootstrap procedures seem to improve the finite sample sizes of tests especially for N=25 and 50, when the AR coefficient is close to 1 with the similar or small power performance. Second, the moving-block bootstrap procedures have much better size than the others when $\rho < 1$, especially $\rho < 0.7$ and size is very high when $\rho = 1$. When $\rho = 0$, the moving-block bootstrap tests

[11] To focus the performance of the inference of a pre-test estimator, we do not present the results of the restricted and unrestricted model.

Table 3.4. Estimates of the rejection rates of conventional t-test, the recursive bootstrap tests, and the moving-block bootstrap tests of $H_0: \theta = 0$ using different estimation procedures for Θ and a nominal size α=0.05; sample size=25, 50.

		N=25						N=50					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	0.923	0.227	0.228	0.087	0.083	0.076	0.983	0.220	0.225	0.111	0.116	0.102
	0.4	0.795	0.463	0.463	0.065	0.052	0.056	0.870	0.642	0.646	0.089	0.079	0.061
	0.7	0.728	0.549	0.550	0.052	0.049	0.050	0.633	0.657	0.661	0.070	0.064	0.056
	1.0	0.874	0.477	0.490	0.031	0.033	0.058	0.956	0.957	0.957	0.023	0.021	0.025
-0.4	0.0	0.678	0.413	0.430	0.053	0.051	0.054	0.636	0.420	0.418	0.025	0.027	0.025
	0.4	0.725	0.542	0.545	0.047	0.040	0.063	0.689	0.721	0.723	0.045	0.043	0.051
	0.7	0.758	0.311	0.315	0.025	0.025	0.034	0.716	0.709	0.714	0.016	0.015	0.020
	1.0	0.574	0.101	0.098	0.013	0.013	0.023	0.823	0.588	0.591	0.032	0.038	0.003
0.0	0.0	0.727	0.546	0.555	0.052	0.057	0.066	0.653	0.690	0.692	0.051	0.042	0.047
	0.4	0.617	0.236	0.253	0.035	0.025	0.028	0.506	0.443	0.446	0.016	0.011	0.014
	0.7	0.338	0.073	0.077	0.046	0.013	0.013	0.316	0.192	0.190	0.043	0.006	0.000
	1.0	0.161	0.044	0.044	0.171	0.076	0.036	0.086	0.055	0.047	0.241	0.113	0.063
0.4	0.0	0.620	0.269	0.275	0.045	0.030	0.042	0.607	0.416	0.416	0.023	0.017	0.019
	0.4	0.411	0.132	0.135	0.166	0.053	0.037	0.579	0.164	0.163	0.167	0.049	0.019
	0.7	0.430	0.191	0.196	0.373	0.141	0.062	0.576	0.399	0.389	0.709	0.366	0.126
	1.0	0.601	0.286	0.293	0.731	0.448	0.181	0.847	0.771	0.756	0.978	0.905	0.773
0.8	0.0	0.747	0.305	0.298	0.246	0.112	0.075	0.942	0.381	0.392	0.186	0.142	0.107
	0.4	0.861	0.607	0.609	0.727	0.403	0.226	0.971	0.675	0.682	0.692	0.684	0.594
	0.7	0.956	0.815	0.822	0.933	0.666	0.355	0.993	0.954	0.956	0.959	0.958	0.924
	1.0	0.989	0.904	0.899	0.987	0.933	0.690	0.998	0.998	0.997	1.000	0.998	0.998

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(3) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(4) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

seem to show the size improvement even for samples of size as small as n=25. But note that the powers of these tests are very low even for large sample and the rejection rates of the conventional t-test and the moving-block bootstrap tests have the different patterns. Thus the results of the moving-block bootstrap procedures have good size, but low power for $\theta < 0$.

Table 3.5. Estimates of the rejection rates of conventional t-test, the recursive bootstrap tests, and the moving-block bootstrap tests of $H_0: \theta = 0$ using different estimation procedures for Θ and a nominal size α=0.05; sample size=100, 250.

		N=100						N=250					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	1.000	0.136	0.142	0.174	0.247	0.228	1.000	0.073	0.081	0.929	0.971	0.961
	0.4	0.960	0.744	0.739	0.069	0.059	0.045	0.998	0.963	0.961	0.163	0.157	0.108
	0.7	0.610	0.713	0.709	0.070	0.059	0.055	0.731	0.840	0.842	0.063	0.069	0.066
	1.0	0.991	0.993	0.993	0.061	0.071	0.086	1.000	1.000	1.000	0.173	0.544	0.681
-0.4	0.0	0.663	0.332	0.332	0.022	0.023	0.020	0.770	0.108	0.109	0.005	0.014	0.011
	0.4	0.576	0.713	0.710	0.041	0.035	0.045	0.424	0.693	0.691	0.071	0.067	0.070
	0.7	0.633	0.738	0.749	0.022	0.005	0.005	0.772	0.881	0.884	0.073	0.009	0.001
	1.0	0.979	0.957	0.958	0.356	0.484	0.326	1.000	1.000	1.000	0.942	0.984	0.959
0.0	0.0	0.589	0.718	0.713	0.061	0.070	0.067	0.375	0.678	0.682	0.062	0.062	0.061
	0.4	0.391	0.359	0.365	0.024	0.007	0.005	0.161	0.154	0.153	0.022	0.002	0.000
	0.7	0.292	0.235	0.237	0.039	0.003	0.002	0.162	0.139	0.151	0.128	0.006	0.000
	1.0	0.062	0.045	0.047	0.356	0.230	0.131	0.058	0.053	0.061	0.515	0.411	0.301
0.4	0.0	0.644	0.358	0.356	0.018	0.015	0.011	0.801	0.136	0.137	0.010	0.005	0.004
	0.4	0.742	0.103	0.105	0.163	0.095	0.019	0.959	0.513	0.536	0.136	0.141	0.052
	0.7	0.876	0.666	0.665	0.592	0.547	0.320	0.999	0.997	0.999	0.889	0.828	0.623
	1.0	0.985	0.976	0.976	1.000	1.000	0.991	1.000	1.000	1.000	1.000	1.000	1.000
0.8	0.0	0.964	0.323	0.323	0.241	0.237	0.233	0.996	0.116	0.129	0.904	0.938	0.921
	0.4	0.996	0.791	0.785	0.813	0.936	0.951	1.000	0.998	0.999	1.000	1.000	1.000
	0.7	1.000	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	1.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(3) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(4) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

For $\theta > 0$, the moving-block bootstrap procedures have power similar to the recursive bootstrap procedures.

Tables 3.6 and 3.7 report the biases of the pre-test estimator θ_{PT}. The bootstrap estimates show no improvement in bias performance for both the recursive and block bootstrap

in most cases. The empirical estimates of the bias become small as the sample size grows, but the bootstrap estimates of the bias remain large even for large sample. The moving-block bootstrap gives better estimates than those of the recursive and the bias become small as a block length increases.

Table 3.6. Estimates of the bias of θ_{PT} with regard to different types of estimation procedures; sample size=25, 50.

		N=25						N=50					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	-0.027	0.938	0.937	0.707	0.549	0.462	-0.041	0.918	0.914	0.619	0.472	0.386
	0.4	0.185	0.684	0.684	0.422	0.326	0.272	0.141	0.328	0.327	0.081	-0.047	-0.124
	0.7	0.364	0.952	0.953	0.614	0.613	0.610	0.476	-0.800	-0.799	-1.014	-1.023	-1.034
	1.0	0.166	0.910	0.909	0.253	0.274	0.275	0.011	0.691	0.691	-0.126	-0.091	-0.091
-0.4	0.0	-0.146	0.352	0.348	0.048	-0.024	-0.054	-0.155	1.049	1.048	0.724	0.661	0.624
	0.4	0.035	-0.300	-0.303	-0.645	-0.636	-0.634	0.033	0.936	0.936	0.572	0.579	0.583
	0.7	-0.062	0.685	0.685	0.127	0.176	0.193	-0.096	0.955	0.953	0.385	0.413	0.431
	1.0	-0.042	0.138	0.138	-0.437	-0.377	-0.397	-0.024	0.363	0.363	-0.077	-0.013	-0.033
0.0	0.0	-0.383	1.608	1.609	1.255	1.270	1.275	-0.365	0.983	0.984	0.635	0.640	0.646
	0.4	-0.249	0.907	0.906	0.455	0.543	0.577	-0.211	0.169	0.170	-0.174	-0.126	-0.105
	0.7	-0.189	0.242	0.243	-0.296	-0.143	-0.086	-0.103	0.358	0.357	-0.008	0.094	0.133
	1.0	0.013	0.157	0.159	-0.166	-0.050	-0.028	0.001	0.087	0.087	-0.071	-0.017	-0.002
0.4	0.0	-0.480	-0.493	-0.490	-0.814	-0.704	-0.657	-0.359	-1.014	-1.015	-1.184	-1.097	-1.055
	0.4	-0.293	-0.717	-0.715	-1.203	-0.978	-0.867	-0.129	-0.629	-0.629	-0.800	-0.668	-0.596
	0.7	-0.090	-0.439	-0.440	-0.833	-0.564	-0.429	-0.082	-0.483	-0.484	-0.794	-0.575	-0.466
	1.0	0.074	-0.635	-0.635	-0.834	-0.658	-0.569	0.035	-0.640	-0.639	-0.713	-0.638	-0.586
0.8	0.0	-0.572	-1.037	-1.036	-1.429	-1.212	-1.101	-0.387	-0.877	-0.877	-0.987	-0.833	-0.742
	0.4	-0.158	-1.061	-1.062	-1.520	-1.182	-0.979	-0.063	-0.793	-0.794	-1.097	-0.841	-0.684
	0.7	0.004	-1.049	-1.049	-1.376	-1.040	-0.842	-0.003	-0.791	-0.791	-1.066	-0.797	-0.645
	1.0	0.078	-0.816	-0.817	-0.977	-0.773	-0.643	0.044	-0.985	-0.985	-1.039	-0.951	-0.885

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(2) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(3) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

Table 3.7. Estimates of the bias of θ_{PT} with regard to different types of estimation procedures; sample size=100, 250.

		N=100						N=250					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	-0.031	0.841	0.842	0.485	0.362	0.282	-0.009	0.809	0.810	0.432	0.326	0.247
	0.4	0.035	0.960	0.960	0.674	0.512	0.418	-0.004	0.877	0.877	0.520	0.342	0.246
	0.7	0.512	0.804	0.803	0.684	0.659	0.639	0.358	0.891	0.890	0.806	0.738	0.689
	1.0	-0.015	0.740	0.740	-0.111	-0.028	-0.016	-0.008	0.798	0.798	0.109	0.243	0.227
-0.4	0.0	-0.129	0.990	0.989	0.663	0.594	0.556	-0.020	0.050	0.049	-0.198	-0.258	-0.292
	0.4	0.131	0.973	0.973	0.707	0.711	0.716	0.377	-0.329	-0.329	-0.371	-0.368	-0.372
	0.7	-0.086	0.845	0.844	0.386	0.375	0.371	-0.030	0.361	0.361	0.146	0.054	0.011
	1.0	-0.013	0.334	0.335	0.079	0.114	0.080	-0.009	0.460	0.460	0.368	0.354	0.322
0.0	0.0	-0.249	-0.772	-0.772	-1.037	-1.031	-1.028	-0.056	-0.610	-0.610	-0.652	-0.649	-0.646
	0.4	-0.185	-0.448	-0.450	-0.713	-0.698	-0.683	-0.048	-0.044	-0.043	-0.089	-0.107	-0.109
	0.7	-0.067	-0.314	-0.314	-0.480	-0.441	-0.431	-0.027	-0.023	-0.023	-0.022	-0.041	-0.054
	1.0	0.003	-0.050	-0.050	-0.109	-0.094	-0.089	0.003	-0.098	-0.098	-0.116	-0.115	-0.114
0.4	0.0	-0.295	0.100	0.101	0.016	0.092	0.134	-0.048	-0.565	-0.566	-0.384	-0.316	-0.280
	0.4	-0.098	-0.059	-0.059	-0.097	-0.016	0.041	-0.020	-0.545	-0.545	-0.389	-0.346	-0.303
	0.7	-0.027	-0.285	-0.285	-0.320	-0.213	-0.149	-0.008	-0.428	-0.429	-0.287	-0.254	-0.218
	1.0	0.014	-0.563	-0.563	-0.582	-0.555	-0.526	0.006	-0.454	-0.454	-0.458	-0.449	-0.437
0.8	0.0	-0.295	-0.844	-0.841	-0.817	-0.692	-0.609	-0.059	-0.773	-0.770	-0.460	-0.353	-0.273
	0.4	-0.022	-0.708	-0.707	-0.782	-0.609	-0.477	-0.001	-0.786	-0.786	-0.575	-0.477	-0.387
	0.7	0.003	-0.764	-0.764	-0.848	-0.677	-0.564	0.001	-0.738	-0.739	-0.587	-0.518	-0.447
	1.0	0.025	-0.765	-0.765	-0.777	-0.744	-0.707	0.011	-0.807	-0.807	-0.809	-0.798	-0.784

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(3) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(4) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

The MSEs of θ_{PT} are displayed in Tables 3.8 and 3.9. The MSEs are generally reduced to a certain degree when the sample size increases and the conventional estimates of MSE usually have relatively little bias. In small samples only a few bootstrap estimates have smaller MSE than the simple pre-test estimator.

Table 3.8. Estimates of the MSE of θ_{PT} with regard to different types of estimation procedures; sample size=25, 50.

		N=25						N=50					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	0.245	0.845	0.814	0.499	0.297	0.208	0.035	0.857	0.826	0.382	0.228	0.161
	0.4	0.334	0.543	0.530	0.264	0.203	0.173	0.275	0.122	0.121	0.027	0.035	0.052
	0.7	0.612	0.930	0.929	0.656	0.719	0.648	0.770	0.669	0.663	1.431	1.461	1.490
	1.0	0.378	0.915	0.904	0.302	0.373	0.469	0.138	0.494	0.495	0.100	0.093	0.081
-0.4	0.0	0.680	0.170	0.172	0.153	0.131	0.129	0.262	1.128	1.118	0.707	0.600	0.543
	0.4	0.604	0.117	0.124	0.744	0.761	0.774	0.484	0.859	0.873	0.587	0.615	0.649
	0.7	0.293	0.468	0.466	0.126	0.137	0.157	0.216	0.925	0.923	0.320	0.305	0.305
	1.0	0.074	0.020	0.022	0.249	0.210	0.230	0.030	0.135	0.132	0.070	0.048	0.044
0.0	0.0	0.548	2.570	2.538	1.818	1.941	1.863	0.680	1.004	1.011	0.550	0.552	0.571
	0.4	0.529	0.794	0.785	0.294	0.371	0.416	0.204	0.050	0.050	0.153	0.152	0.143
	0.7	0.108	0.077	0.078	0.141	0.074	0.071	0.103	0.129	0.133	0.128	0.105	0.112
	1.0	0.081	0.023	0.026	0.073	0.027	0.031	0.030	0.007	0.008	0.031	0.016	0.017
0.4	0.0	0.763	0.277	0.266	0.821	0.641	0.554	0.458	1.107	1.077	1.488	1.308	1.220
	0.4	0.237	0.532	0.519	1.538	1.050	0.869	0.265	0.420	0.414	1.049	0.760	0.650
	0.7	0.186	0.194	0.199	0.792	0.461	0.386	0.072	0.230	0.232	0.709	0.387	0.267
	1.0	0.062	0.416	0.415	0.696	0.442	0.363	0.026	0.413	0.408	0.527	0.412	0.346
0.8	0.0	1.055	1.036	1.032	2.619	2.016	1.732	0.582	0.779	0.791	1.234	0.963	0.827
	0.4	0.411	1.153	1.147	2.492	1.495	1.027	0.057	0.626	0.643	1.312	0.773	0.532
	0.7	0.087	1.100	1.111	1.973	1.220	0.840	0.012	0.636	0.639	1.213	0.667	0.445
	1.0	0.019	0.670	0.669	0.954	0.643	0.487	0.010	0.962	0.967	1.075	0.891	0.764

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(3) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(4) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

For example, when N=25, $\theta = 0$, and $\rho = 1.0$, all bootstrap estimates are smaller than 0.081 and all MSEs are small in this case. The results presented in Tables 3.6-3.9 suggest that the bootstrap procedures considered cannot be used for bias and MSE corrections of PTEs in the context of ARIMA models.

Table 3.9. Estimates of the MSE of θ_{PT} with regard to different types of estimation procedures; sample size=100, 250.

		N=100						N=250					
θ	ρ	t-test	RCB1	RCB2	MBB3	MBB5	MBB8	t-test	RCB1	RCB2	MBB3	MBB5	MBB8
-0.8	0.0	0.008	0.726	0.740	0.241	0.136	0.082	0.003	0.672	0.662	0.193	0.110	0.064
	0.4	0.071	0.941	0.942	0.459	0.262	0.185	0.006	0.770	0.769	0.273	0.126	0.070
	0.7	0.855	0.628	0.625	0.544	0.521	0.490	0.496	0.796	0.792	0.668	0.584	0.530
	1.0	0.005	0.546	0.549	0.041	0.037	0.029	0.002	0.637	0.637	0.073	0.098	0.075
-0.4	0.0	0.127	0.967	0.963	0.601	0.507	0.462	0.035	0.006	0.006	0.058	0.087	0.108
	0.4	0.598	0.928	0.932	0.701	0.737	0.752	0.583	0.109	0.110	0.172	0.181	0.187
	0.7	0.179	0.716	0.707	0.338	0.296	0.271	0.044	0.131	0.130	0.097	0.057	0.046
	1.0	0.010	0.111	0.111	0.046	0.033	0.025	0.003	0.211	0.211	0.142	0.130	0.110
0.0	0.0	0.658	0.591	0.588	1.357	1.373	1.381	0.428	0.376	0.375	0.506	0.515	0.517
	0.4	0.307	0.208	0.212	0.812	0.780	0.764	0.075	0.002	0.002	0.080	0.078	0.076
	0.7	0.046	0.100	0.100	0.325	0.248	0.232	0.015	0.001	0.001	0.055	0.023	0.019
	1.0	0.010	0.003	0.003	0.014	0.011	0.010	0.004	0.010	0.010	0.014	0.013	0.013
0.4	0.0	0.489	0.015	0.014	0.267	0.297	0.315	0.124	0.327	0.325	0.238	0.203	0.188
	0.4	0.100	0.005	0.005	0.189	0.125	0.106	0.017	0.298	0.296	0.184	0.138	0.109
	0.7	0.018	0.080	0.080	0.131	0.059	0.035	0.007	0.184	0.183	0.107	0.075	0.054
	1.0	0.009	0.318	0.317	0.341	0.309	0.278	0.003	0.207	0.206	0.210	0.202	0.191
0.8	0.0	0.493	0.720	0.714	0.995	0.821	0.723	0.098	0.608	0.601	0.287	0.206	0.158
	0.4	0.019	0.496	0.493	0.772	0.475	0.305	0.003	0.619	0.616	0.425	0.275	0.177
	0.7	0.007	0.586	0.587	0.812	0.505	0.347	0.002	0.545	0.546	0.363	0.275	0.203
	1.0	0.005	0.585	0.584	0.599	0.556	0.507	0.002	0.652	0.652	0.655	0.638	0.615

Note: (1) t-test stands for the simple pre-test.

(2) RCB1 stands for the recursive bootstrap under (3.3.3) and (3.3.5).

(3) RCB2 stands for the recursive bootstrap under (3.3.4) and (3.3.6).

(4) MBB3, MBB5, and MBB8 indicate for the moving-block bootstrap based on the block size of 3, 5, and 8 respectively.

3.6 Conclusion

In this simulation study, we investigate that the behavior of the conventional asymptotic t-test, the recursive bootstrap, and the moving-block bootstrap procedures on the moving-average

parameter after ADF unit root pre-testing on the autoregressive coefficient. The simulation results indicate that inference based on the conventional pre-test procedure have serious size distortion and very often reject a true hypothesis $H_0: \theta = 0$. The θ_u estimator generally has best size properties, the θ_r estimator is worst, and the θ_{pt} estimator is in between. We noticed that a larger sample size generally improves the bias and the MSE of the conventional PTE t-test. The estimated size of the t-test is usually very large in spite of some few exceptions. This is consistent with the results of Oke (1998) who studied the effects of pre-testing θ in an ARIMA model.

Another feature of this study is the use of the recursive bootstrap and moving-block bootstrap methods to conduct hypothesis test for moving-average parameters after unit root pre-test. The results presented here suggest that the recursive bootstrap method shows the size correction especially for small samples. The moving-block bootstrap method has much better size when $\rho < 1$ but lower power for $\theta < 0$ than the others. Both of the bootstrap methods do not show bias and MSE corrections of PTEs in the context of ARIMA models.

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Appendix

Appendix A. Appendix to Chapter 1

Table A.1
The mean value of each estimator of β with no drift: imposing (1.3.4)

T	n	ρ	δ	σ_x	FE	FD	LS
4	4	0.0	0.0	1	2.04	2.04	2.00
4	20	0.0	0.0	1	2.01	2.03	2.00
4	200	0.0	0.0	1	2.00	2.00	2.00
4	1000	0.0	0.0	1	2.00	2.00	2.00
20	4	0.0	0.0	1	2.00	2.00	2.00
20	20	0.0	0.0	1	2.00	2.00	2.00
20	200	0.0	0.0	1	2.00	2.00	2.00
20	1000	0.0	0.0	1	2.00	2.00	2.00
50	4	0.0	0.0	1	2.00	2.01	2.00
50	20	0.0	0.0	1	2.00	2.00	2.00
50	200	0.0	0.0	1	2.00	2.00	2.00
50	1000	0.0	0.0	1	2.00	2.00	2.00
100	4	0.0	0.0	1	2.00	2.00	2.00
100	20	0.0	0.0	1	2.00	2.00	2.00
100	200	0.0	0.0	1	2.00	2.00	2.00
100	1000	0.0	0.0	1	2.00	2.00	2.00
200	4	0.0	0.0	1	2.00	2.00	2.00
200	20	0.0	0.0	1	2.00	2.00	2.00
200	200	0.0	0.0	1	2.00	2.00	2.00
200	1000	0.0	0.0	1	2.00	2.00	2.00
4	4	0.0	0.2	1	2.21	2.34	2.00
4	20	0.0	0.2	1	2.23	2.39	2.00
4	200	0.0	0.2	1	2.23	2.38	2.00
4	1000	0.0	0.2	1	2.23	2.38	2.00
20	4	0.0	0.2	1	2.05	2.38	2.00
20	20	0.0	0.2	1	2.06	2.39	2.00
20	200	0.0	0.2	1	2.06	2.38	2.00
20	1000	0.0	0.2	1	2.06	2.38	2.00

50	4	0.0	0.2	1	2.03	2.39	2.00
50	20	0.0	0.2	1	2.02	2.38	2.00
50	200	0.0	0.2	1	2.02	2.39	2.00
50	1000	0.0	0.2	1	2.02	2.39	2.00
100	4	0.0	0.2	1	2.01	2.38	2.00
100	20	0.0	0.2	1	2.01	2.39	2.00
100	200	0.0	0.2	1	2.01	2.39	2.00
100	1000	0.0	0.2	1	2.01	2.39	2.00
200	4	0.0	0.2	1	2.01	2.39	2.00
200	20	0.0	0.2	1	2.01	2.39	2.00
200	200	0.0	0.2	1	2.01	2.38	2.00
200	1000	0.0	0.2	1	2.01	2.38	2.00
4	4	0.0	0.5	1	2.52	2.79	2.00
4	20	0.0	0.5	1	2.50	2.80	2.00
4	200	0.0	0.5	1	2.48	2.80	2.00
4	1000	0.0	0.5	1	2.48	2.80	2.00
20	4	0.0	0.5	1	2.14	2.80	2.00
20	20	0.0	0.5	1	2.12	2.80	2.00
20	200	0.0	0.5	1	2.12	2.80	2.00
20	1000	0.0	0.5	1	2.11	2.80	2.00
50	4	0.0	0.5	1	2.06	2.80	2.00
50	20	0.0	0.5	1	2.05	2.80	2.00
50	200	0.0	0.5	1	2.05	2.80	2.00
50	1000	0.0	0.5	1	2.05	2.80	2.00
100	4	0.0	0.5	1	2.03	2.80	2.00
100	20	0.0	0.5	1	2.03	2.80	2.00
100	200	0.0	0.5	1	2.02	2.80	2.00
100	1000	0.0	0.5	1	2.02	2.80	2.00
200	4	0.0	0.5	1	2.02	2.80	2.00
200	20	0.0	0.5	1	2.01	2.80	2.00
200	200	0.0	0.5	1	2.01	2.80	2.00
200	1000	0.0	0.5	1	2.01	2.80	2.00
4	4	0.0	0.8	1	2.63	2.95	2.00
4	20	0.0	0.8	1	2.60	2.97	2.00
4	200	0.0	0.8	1	2.59	2.98	2.00
4	1000	0.0	0.8	1	2.59	2.98	2.00
20	4	0.0	0.8	1	2.16	2.96	2.00
20	20	0.0	0.8	1	2.14	2.97	2.00

20	200	0.0	0.8	1	2.14	2.98	2.00
20	1000	0.0	0.8	1	2.14	2.98	2.00
50	4	0.0	0.8	1	2.07	2.97	2.00
50	20	0.0	0.8	1	2.06	2.98	2.00
50	200	0.0	0.8	1	2.06	2.98	2.00
50	1000	0.0	0.8	1	2.06	2.98	2.00
100	4	0.0	0.8	1	2.04	2.98	2.00
100	20	0.0	0.8	1	2.03	2.98	2.00
100	200	0.0	0.8	1	2.03	2.98	2.00
100	1000	0.0	0.8	1	2.03	2.98	2.00
200	4	0.0	0.8	1	2.02	2.98	2.00
200	20	0.0	0.8	1	2.02	2.98	2.00
200	200	0.0	0.8	1	2.02	2.98	2.00
200	1000	0.0	0.8	1	2.02	2.98	2.00
4	4	0.0	-0.2	1	1.74	1.64	2.00
4	20	0.0	-0.2	1	1.76	1.61	2.00
4	200	0.0	-0.2	1	1.77	1.61	2.00
4	1000	0.0	-0.2	1	1.77	1.62	2.00
20	4	0.0	-0.2	1	1.93	1.60	2.00
20	20	0.0	-0.2	1	1.94	1.62	2.00
20	200	0.0	-0.2	1	1.95	1.61	2.00
20	1000	0.0	-0.2	1	1.95	1.62	2.00
50	4	0.0	-0.2	1	1.97	1.62	2.00
50	20	0.0	-0.2	1	1.98	1.62	2.00
50	200	0.0	-0.2	1	1.98	1.61	2.00
50	1000	0.0	-0.2	1	1.98	1.62	2.00
100	4	0.0	-0.2	1	1.99	1.61	2.00
100	20	0.0	-0.2	1	1.99	1.62	2.00
100	200	0.0	-0.2	1	1.99	1.62	2.00
100	1000	0.0	-0.2	1	1.99	1.62	2.00
200	4	0.0	-0.2	1	1.99	1.61	2.00
200	20	0.0	-0.2	1	1.99	1.62	2.00
200	200	0.0	-0.2	1	1.99	1.62	2.00
200	1000	0.0	-0.2	1	1.99	1.62	2.00
4	4	0.0	-0.5	1	1.48	1.21	2.00
4	20	0.0	-0.5	1	1.50	1.19	2.00
4	200	0.0	-0.5	1	1.51	1.20	2.00
4	1000	0.0	-0.5	1	1.52	1.20	2.00

20	4	0.0	-0.5	1	1.86	1.20	2.00
20	20	0.0	-0.5	1	1.88	1.20	2.00
20	200	0.0	-0.5	1	1.89	1.20	2.00
20	1000	0.0	-0.5	1	1.89	1.20	2.00
50	4	0.0	-0.5	1	1.94	1.19	2.00
50	20	0.0	-0.5	1	1.95	1.20	2.00
50	200	0.0	-0.5	1	1.95	1.20	2.00
50	1000	0.0	-0.5	1	1.95	1.20	2.00
100	4	0.0	-0.5	1	1.97	1.20	2.00
100	20	0.0	-0.5	1	1.98	1.20	2.00
100	200	0.0	-0.5	1	1.98	1.20	2.00
100	1000	0.0	-0.5	1	1.98	1.20	2.00
200	4	0.0	-0.5	1	1.98	1.20	2.00
200	20	0.0	-0.5	1	1.99	1.20	2.00
200	200	0.0	-0.5	1	1.99	1.20	2.00
200	1000	0.0	-0.5	1	1.99	1.20	2.00
4	4	0.0	-0.8	1	1.38	1.04	2.00
4	20	0.0	-0.8	1	1.42	1.04	2.00
4	200	0.0	-0.8	1	1.42	1.03	2.00
4	1000	0.0	-0.8	1	1.42	1.02	2.00
20	4	0.0	-0.8	1	1.83	1.01	2.00
20	20	0.0	-0.8	1	1.86	1.03	2.00
20	200	0.0	-0.8	1	1.86	1.03	2.00
20	1000	0.0	-0.8	1	1.86	1.03	2.00
50	4	0.0	-0.8	1	1.93	1.02	2.00
50	20	0.0	-0.8	1	1.94	1.03	2.00
50	200	0.0	-0.8	1	1.94	1.02	2.00
50	1000	0.0	-0.8	1	1.94	1.02	2.00
100	4	0.0	-0.8	1	1.97	1.03	2.00
100	20	0.0	-0.8	1	1.97	1.02	2.00
100	200	0.0	-0.8	1	1.97	1.03	2.00
100	1000	0.0	-0.8	1	1.97	1.02	2.00
200	4	0.0	-0.8	1	1.98	1.02	2.00
200	20	0.0	-0.8	1	1.99	1.02	2.00
200	200	0.0	-0.8	1	1.99	1.02	2.00
200	1000	0.0	-0.8	1	1.99	1.03	2.00

Table A.2
The mean value of each estimator of β with no drift: imposing (1.3.5)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	1.99	2.00	2.00	1.98	2.00	2.00
4	20	0.2	0.0	1	2.01	2.03	2.00	2.01	2.02	2.00
4	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	1	1.99	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	1	1.97	1.99	2.00	1.96	1.99	1.99
4	20	0.8	0.0	1	2.01	2.01	2.00	2.01	2.00	2.00
4	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	1	1.99	2.00	2.00	1.99	2.00	2.00
20	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	1	1.99	2.00	2.00	1.99	2.00	2.00
50	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

100	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.0	0.0	1	2.04	2.03	2.00	2.05	2.01	2.00
4	20	0.0	0.0	1	2.01	2.00	2.00	2.01	2.00	2.00
4	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.0	0.0	1	2.00	1.99	2.00	2.00	2.00	2.00
50	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	1	2.00	2.00	2.00	2.01	2.03	2.00
4	20	0.5	0.0	1	1.99	1.99	2.00	1.98	1.99	2.00
4	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	1	1.99	2.00	2.00	1.99	1.99	2.00
50	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

50	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

Table A.3
The mean value of each estimator of β with no drift: imposing (1.3.6)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	2.00	2.01	2.00	1.99	1.99	2.00
4	20	0.2	0.0	1	1.98	1.99	2.00	1.98	1.99	2.00
4	200	0.2	0.0	1	2.00	2.00	2.00	1.99	2.00	2.00
4	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	1	2.00	1.99	2.00	1.99	1.99	2.00
20	20	0.2	0.0	1	2.00	2.01	2.00	2.00	2.01	2.00
20	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	1	2.01	1.98	2.00	2.01	1.99	2.00
4	20	0.8	0.0	1	1.99	1.99	2.00	1.99	1.99	2.00

4	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.8	0.0	1	2.00	2.00	2.00	2.01	2.00	2.00
20	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	1	2.00	1.99	2.00	1.99	1.99	2.00
50	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	1	2.01	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.2	0.2	1	2.25	2.36	2.00	2.23	2.34	2.00
4	20	0.2	0.2	1	2.24	2.38	2.00	2.22	2.33	2.00
4	200	0.2	0.2	1	2.26	2.39	2.00	2.24	2.34	2.00
4	1000	0.2	0.2	1	2.25	2.38	2.00	2.24	2.34	2.00
20	4	0.2	0.2	1	2.07	2.40	2.00	2.09	2.30	2.00
20	20	0.2	0.2	1	2.07	2.39	2.00	2.09	2.30	2.00
20	200	0.2	0.2	1	2.07	2.39	2.00	2.08	2.29	2.00
20	1000	0.2	0.2	1	2.07	2.38	2.00	2.08	2.29	2.00
50	4	0.2	0.2	1	2.04	2.39	2.00	2.05	2.29	2.00
50	20	0.2	0.2	1	2.03	2.38	2.00	2.04	2.29	2.00
50	200	0.2	0.2	1	2.03	2.38	2.00	2.04	2.29	2.00
50	1000	0.2	0.2	1	2.03	2.38	2.00	2.04	2.29	2.00
100	4	0.2	0.2	1	2.02	2.39	2.00	2.02	2.29	2.00
100	20	0.2	0.2	1	2.01	2.39	2.00	2.02	2.29	2.00
100	200	0.2	0.2	1	2.01	2.38	2.00	2.02	2.28	2.00
100	1000	0.2	0.2	1	2.01	2.38	2.00	2.02	2.28	2.00
200	4	0.2	0.2	1	2.01	2.38	2.00	2.01	2.28	2.00
200	20	0.2	0.2	1	2.01	2.38	2.00	2.01	2.28	2.00
200	200	0.2	0.2	1	2.01	2.38	2.00	2.01	2.28	2.00
200	1000	0.2	0.2	1	2.01	2.38	2.00	2.01	2.28	2.00

4	4	0.8	0.2	1	2.34	2.39	2.01	2.33	2.38	2.01
4	20	0.8	0.2	1	2.37	2.40	2.00	2.37	2.39	2.00
4	200	0.8	0.2	1	2.35	2.39	2.00	2.35	2.38	2.00
4	1000	0.8	0.2	1	2.35	2.39	2.00	2.35	2.38	2.00
20	4	0.8	0.2	1	2.18	2.39	2.00	2.28	2.38	2.01
20	20	0.8	0.2	1	2.19	2.39	2.00	2.26	2.38	2.00
20	200	0.8	0.2	1	2.19	2.39	2.00	2.26	2.38	2.00
20	1000	0.8	0.2	1	2.19	2.38	2.00	2.26	2.38	2.00
50	4	0.8	0.2	1	2.12	2.39	2.00	2.25	2.38	2.02
50	20	0.8	0.2	1	2.10	2.38	2.00	2.22	2.38	2.01
50	200	0.8	0.2	1	2.10	2.39	2.00	2.22	2.38	2.01
50	1000	0.8	0.2	1	2.10	2.38	2.00	2.21	2.38	2.01
100	4	0.8	0.2	1	2.06	2.38	2.00	2.21	2.37	2.02
100	20	0.8	0.2	1	2.05	2.38	2.00	2.19	2.38	2.01
100	200	0.8	0.2	1	2.05	2.38	2.00	2.18	2.38	2.01
100	1000	0.8	0.2	1	2.05	2.38	2.00	2.18	2.38	2.01
200	4	0.8	0.2	1	2.03	2.38	2.00	2.20	2.38	2.03
200	20	0.8	0.2	1	2.03	2.38	2.00	2.16	2.38	2.01
200	200	0.8	0.2	1	2.03	2.38	2.00	2.15	2.38	2.01
200	1000	0.8	0.2	1	2.03	2.38	2.00	2.15	2.38	2.01
4	4	0.2	0.5	1	2.55	2.76	2.00	2.53	2.72	2.00
4	20	0.2	0.5	1	2.55	2.81	2.00	2.52	2.76	2.00
4	200	0.2	0.5	1	2.53	2.80	2.00	2.51	2.75	2.00
4	1000	0.2	0.5	1	2.53	2.80	2.00	2.51	2.75	2.00
20	4	0.2	0.5	1	2.16	2.80	2.00	2.23	2.67	2.00
20	20	0.2	0.5	1	2.15	2.80	2.00	2.20	2.68	2.00
20	200	0.2	0.5	1	2.14	2.80	2.00	2.19	2.68	2.00
20	1000	0.2	0.5	1	2.14	2.80	2.00	2.19	2.68	2.00
50	4	0.2	0.5	1	2.07	2.81	2.00	2.11	2.68	2.00
50	20	0.2	0.5	1	2.06	2.80	2.00	2.09	2.67	2.00
50	200	0.2	0.5	1	2.06	2.80	2.00	2.09	2.66	2.00
50	1000	0.2	0.5	1	2.06	2.80	2.00	2.09	2.67	2.00
100	4	0.2	0.5	1	2.04	2.80	2.00	2.05	2.66	2.00
100	20	0.2	0.5	1	2.03	2.80	2.00	2.05	2.66	2.00
100	200	0.2	0.5	1	2.03	2.80	2.00	2.04	2.66	2.00
100	1000	0.2	0.5	1	2.03	2.80	2.00	2.04	2.66	2.00
200	4	0.2	0.5	1	2.02	2.80	2.00	2.03	2.66	2.00
200	20	0.2	0.5	1	2.02	2.80	2.00	2.02	2.66	2.00

200	200	0.2	0.5	1	2.01	2.80	2.00	2.02	2.66	2.00
200	1000	0.2	0.5	1	2.01	2.80	2.00	2.02	2.66	2.00
4	4	0.8	0.5	1	2.74	2.82	2.00	2.75	2.84	2.01
4	20	0.8	0.5	1	2.72	2.79	2.00	2.72	2.79	2.00
4	200	0.8	0.5	1	2.73	2.80	2.00	2.73	2.81	2.00
4	1000	0.8	0.5	1	2.72	2.80	2.00	2.73	2.80	2.00
20	4	0.8	0.5	1	2.42	2.80	2.01	2.62	2.80	2.03
20	20	0.8	0.5	1	2.40	2.80	2.00	2.58	2.81	2.01
20	200	0.8	0.5	1	2.39	2.80	2.00	2.56	2.80	2.01
20	1000	0.8	0.5	1	2.39	2.80	2.00	2.56	2.81	2.01
50	4	0.8	0.5	1	2.22	2.80	2.01	2.56	2.81	2.04
50	20	0.8	0.5	1	2.21	2.80	2.00	2.52	2.81	2.01
50	200	0.8	0.5	1	2.20	2.80	2.00	2.50	2.80	2.01
50	1000	0.8	0.5	1	2.20	2.80	2.00	2.50	2.81	2.01
100	4	0.8	0.5	1	2.12	2.80	2.01	2.55	2.80	2.06
100	20	0.8	0.5	1	2.11	2.80	2.00	2.50	2.81	2.02
100	200	0.8	0.5	1	2.11	2.80	2.00	2.48	2.81	2.02
100	1000	0.8	0.5	1	2.11	2.80	2.00	2.48	2.81	2.01
200	4	0.8	0.5	1	2.07	2.80	2.01	2.57	2.81	2.10
200	20	0.8	0.5	1	2.06	2.80	2.00	2.49	2.81	2.02
200	200	0.8	0.5	1	2.06	2.80	2.00	2.48	2.81	2.02
200	1000	0.8	0.5	1	2.06	2.80	2.00	2.48	2.81	2.02
4	4	0.2	0.8	1	2.71	2.98	2.00	2.70	3.04	2.00
4	20	0.2	0.8	1	2.66	2.97	2.00	2.65	3.04	2.00
4	200	0.2	0.8	1	2.65	2.97	2.00	2.63	3.04	2.00
4	1000	0.2	0.8	1	2.65	2.98	2.00	2.64	3.05	2.00
20	4	0.2	0.8	1	2.20	2.98	2.00	2.46	3.20	2.00
20	20	0.2	0.8	1	2.18	2.97	2.00	2.32	3.20	2.00
20	200	0.2	0.8	1	2.17	2.98	2.00	2.28	3.20	2.00
20	1000	0.2	0.8	1	2.17	2.98	2.00	2.28	3.20	2.00
50	4	0.2	0.8	1	2.09	2.97	2.00	2.27	3.22	2.00
50	20	0.2	0.8	1	2.08	2.98	2.00	2.12	3.22	2.00
50	200	0.2	0.8	1	2.07	2.98	2.00	2.11	3.22	2.00
50	1000	0.2	0.8	1	2.07	2.98	2.00	2.11	3.22	2.00
100	4	0.2	0.8	1	2.04	2.97	2.00	2.07	3.23	2.00
100	20	0.2	0.8	1	2.04	2.97	2.00	2.06	3.23	2.00
100	200	0.2	0.8	1	2.04	2.98	2.00	2.06	3.23	2.00
100	1000	0.2	0.8	1	2.04	2.98	2.00	2.06	3.23	2.00

200	4	0.2	0.8	1	2.02	2.98	2.00	2.04	3.23	2.00
200	20	0.2	0.8	1	2.02	2.98	2.00	2.03	3.23	2.00
200	200	0.2	0.8	1	2.02	2.98	2.00	2.03	3.23	2.00
200	1000	0.2	0.8	1	2.02	2.98	2.00	2.03	3.23	2.00
4	4	0.8	0.8	1	2.89	2.98	2.00	2.90	3.02	2.01
4	20	0.8	0.8	1	2.88	2.97	2.01	2.89	3.01	2.01
4	200	0.8	0.8	1	2.88	2.98	2.00	2.90	3.02	2.01
4	1000	0.8	0.8	1	2.88	2.98	2.01	2.89	3.02	2.01
20	4	0.8	0.8	1	2.49	2.97	2.01	2.77	3.06	2.03
20	20	0.8	0.8	1	2.49	2.98	2.00	2.73	3.05	2.01
20	200	0.8	0.8	1	2.48	2.98	2.00	2.71	3.05	2.01
20	1000	0.8	0.8	1	2.48	2.98	2.00	2.70	3.05	2.01
50	4	0.8	0.8	1	2.28	2.98	2.01	2.71	3.06	2.06
50	20	0.8	0.8	1	2.25	2.97	2.00	2.65	3.06	2.02
50	200	0.8	0.8	1	2.24	2.98	2.01	2.63	3.06	2.01
50	1000	0.8	0.8	1	2.24	2.98	2.00	2.63	3.06	2.01
100	4	0.8	0.8	1	2.15	2.97	2.01	2.72	3.06	2.12
100	20	0.8	0.8	1	2.14	2.98	2.00	2.62	3.06	2.03
100	200	0.8	0.8	1	2.14	2.98	2.00	2.61	3.06	2.02
100	1000	0.8	0.8	1	2.13	2.98	2.00	2.61	3.06	2.02
200	4	0.8	0.8	1	2.08	2.98	2.01	2.69	3.06	2.16
200	20	0.8	0.8	1	2.07	2.98	2.00	2.61	3.06	2.04
200	200	0.8	0.8	1	2.07	2.98	2.00	2.60	3.06	2.02
200	1000	0.8	0.8	1	2.07	2.98	2.00	2.60	3.06	2.02
4	4	0.2	-0.2	1	1.70	1.58	2.00	1.71	1.64	2.00
4	20	0.2	-0.2	1	1.73	1.61	2.00	1.75	1.66	2.00
4	200	0.2	-0.2	1	1.74	1.61	2.00	1.76	1.66	2.00
4	1000	0.2	-0.2	1	1.74	1.61	2.00	1.76	1.66	2.00
20	4	0.2	-0.2	1	1.92	1.62	2.00	1.91	1.71	2.00
20	20	0.2	-0.2	1	1.93	1.62	2.00	1.91	1.71	2.00
20	200	0.2	-0.2	1	1.93	1.62	2.00	1.92	1.71	2.00
20	1000	0.2	-0.2	1	1.93	1.62	2.00	1.92	1.71	2.00
50	4	0.2	-0.2	1	1.97	1.63	2.00	1.96	1.73	2.00
50	20	0.2	-0.2	1	1.97	1.61	2.00	1.96	1.71	2.00
50	200	0.2	-0.2	1	1.97	1.62	2.00	1.96	1.71	2.00
50	1000	0.2	-0.2	1	1.97	1.62	2.00	1.96	1.71	2.00
100	4	0.2	-0.2	1	1.98	1.61	2.00	1.98	1.71	2.00
100	20	0.2	-0.2	1	1.99	1.62	2.00	1.98	1.72	2.00

100	200	0.2	-0.2	1	1.99	1.62	2.00	1.98	1.72	2.00
100	1000	0.2	-0.2	1	1.99	1.61	2.00	1.98	1.72	2.00
200	4	0.2	-0.2	1	1.99	1.62	2.00	1.99	1.72	2.00
200	20	0.2	-0.2	1	1.99	1.61	2.00	1.99	1.72	2.00
200	200	0.2	-0.2	1	1.99	1.62	2.00	1.99	1.72	2.00
200	1000	0.2	-0.2	1	1.99	1.62	2.00	1.99	1.72	2.00
4	4	0.8	-0.2	1	1.66	1.62	2.00	1.66	1.62	2.00
4	20	0.8	-0.2	1	1.67	1.62	2.00	1.67	1.62	2.00
4	200	0.8	-0.2	1	1.66	1.62	2.00	1.66	1.62	2.00
4	1000	0.8	-0.2	1	1.65	1.61	2.00	1.65	1.62	2.00
20	4	0.8	-0.2	1	1.82	1.62	2.00	1.74	1.63	1.99
20	20	0.8	-0.2	1	1.81	1.62	2.00	1.74	1.62	2.00
20	200	0.8	-0.2	1	1.81	1.61	2.00	1.74	1.62	2.00
20	1000	0.8	-0.2	1	1.81	1.61	2.00	1.74	1.62	2.00
50	4	0.8	-0.2	1	1.89	1.62	2.00	1.76	1.62	1.98
50	20	0.8	-0.2	1	1.90	1.61	2.00	1.78	1.62	1.99
50	200	0.8	-0.2	1	1.90	1.62	2.00	1.79	1.62	1.99
50	1000	0.8	-0.2	1	1.90	1.62	2.00	1.79	1.62	1.99
100	4	0.8	-0.2	1	1.93	1.61	1.99	1.78	1.62	1.97
100	20	0.8	-0.2	1	1.95	1.62	2.00	1.81	1.62	1.99
100	200	0.8	-0.2	1	1.95	1.62	2.00	1.82	1.62	1.99
100	1000	0.8	-0.2	1	1.95	1.62	2.00	1.82	1.62	1.99
200	4	0.8	-0.2	1	1.96	1.62	2.00	1.81	1.63	1.97
200	20	0.8	-0.2	1	1.97	1.62	2.00	1.84	1.62	1.99
200	200	0.8	-0.2	1	1.97	1.62	2.00	1.85	1.62	1.99
200	1000	0.8	-0.2	1	1.97	1.62	2.00	1.85	1.62	1.99
4	4	0.2	-0.5	1	1.44	1.21	2.00	1.48	1.25	2.00
4	20	0.2	-0.5	1	1.46	1.20	2.00	1.49	1.24	2.00
4	200	0.2	-0.5	1	1.46	1.19	2.00	1.48	1.25	2.00
4	1000	0.2	-0.5	1	1.47	1.20	2.00	1.49	1.25	2.00
20	4	0.2	-0.5	1	1.84	1.20	2.00	1.75	1.32	2.00
20	20	0.2	-0.5	1	1.86	1.20	2.00	1.80	1.32	2.00
20	200	0.2	-0.5	1	1.86	1.20	2.00	1.81	1.32	2.00
20	1000	0.2	-0.5	1	1.86	1.20	2.00	1.81	1.32	2.00
50	4	0.2	-0.5	1	1.93	1.21	2.00	1.88	1.34	2.00
50	20	0.2	-0.5	1	1.94	1.20	2.00	1.91	1.33	2.00
50	200	0.2	-0.5	1	1.94	1.20	2.00	1.91	1.33	2.00
50	1000	0.2	-0.5	1	1.94	1.20	2.00	1.91	1.33	2.00

100	4	0.2	-0.5	1	1.97	1.20	2.00	1.95	1.34	2.00
100	20	0.2	-0.5	1	1.97	1.20	2.00	1.95	1.34	2.00
100	200	0.2	-0.5	1	1.97	1.20	2.00	1.96	1.34	2.00
100	1000	0.2	-0.5	1	1.97	1.20	2.00	1.96	1.34	2.00
200	4	0.2	-0.5	1	1.98	1.20	2.00	1.97	1.34	2.00
200	20	0.2	-0.5	1	1.98	1.20	2.00	1.98	1.34	2.00
200	200	0.2	-0.5	1	1.99	1.20	2.00	1.98	1.34	2.00
200	1000	0.2	-0.5	1	1.99	1.20	2.00	1.98	1.34	2.00
4	4	0.8	-0.5	1	1.28	1.21	2.00	1.29	1.22	2.00
4	20	0.8	-0.5	1	1.27	1.20	2.00	1.27	1.19	2.00
4	200	0.8	-0.5	1	1.28	1.20	2.00	1.27	1.20	1.99
4	1000	0.8	-0.5	1	1.28	1.20	2.00	1.27	1.20	2.00
20	4	0.8	-0.5	1	1.58	1.20	1.99	1.39	1.20	1.98
20	20	0.8	-0.5	1	1.61	1.20	2.00	1.44	1.19	1.99
20	200	0.8	-0.5	1	1.61	1.20	2.00	1.44	1.20	1.99
20	1000	0.8	-0.5	1	1.61	1.20	2.00	1.44	1.19	1.99
50	4	0.8	-0.5	1	1.76	1.20	1.99	1.42	1.19	1.95
50	20	0.8	-0.5	1	1.79	1.20	2.00	1.49	1.20	1.99
50	200	0.8	-0.5	1	1.80	1.20	2.00	1.50	1.20	1.99
50	1000	0.8	-0.5	1	1.80	1.20	2.00	1.50	1.19	1.99
100	4	0.8	-0.5	1	1.87	1.20	1.99	1.42	1.19	1.94
100	20	0.8	-0.5	1	1.89	1.20	2.00	1.50	1.20	1.98
100	200	0.8	-0.5	1	1.89	1.20	2.00	1.52	1.19	1.99
100	1000	0.8	-0.5	1	1.89	1.20	2.00	1.52	1.19	1.99
200	4	0.8	-0.5	1	1.93	1.20	1.99	1.45	1.19	1.88
200	20	0.8	-0.5	1	1.94	1.20	2.00	1.51	1.20	1.97
200	200	0.8	-0.5	1	1.94	1.20	2.00	1.52	1.19	1.98
200	1000	0.8	-0.5	1	1.94	1.20	2.00	1.52	1.19	1.98
4	4	0.2	-0.8	1	1.31	1.01	2.00	1.34	0.97	2.00
4	20	0.2	-0.8	1	1.33	1.02	2.00	1.35	0.95	2.00
4	200	0.2	-0.8	1	1.35	1.03	2.00	1.37	0.96	2.00
4	1000	0.2	-0.8	1	1.35	1.02	2.00	1.36	0.95	2.00
20	4	0.2	-0.8	1	1.80	1.02	2.00	1.52	0.80	2.00
20	20	0.2	-0.8	1	1.82	1.02	2.00	1.68	0.80	2.00
20	200	0.2	-0.8	1	1.83	1.03	2.00	1.73	0.81	2.00
20	1000	0.2	-0.8	1	1.83	1.02	2.00	1.72	0.80	2.00
50	4	0.2	-0.8	1	1.92	1.02	2.00	1.76	0.78	2.00
50	20	0.2	-0.8	1	1.93	1.03	2.00	1.88	0.78	2.00

50	200	0.2	-0.8	1	1.93	1.02	2.00	1.89	0.78	2.00
50	1000	0.2	-0.8	1	1.93	1.02	2.00	1.89	0.78	2.00
100	4	0.2	-0.8	1	1.95	1.02	2.00	1.91	0.77	2.00
100	20	0.2	-0.8	1	1.96	1.02	2.00	1.94	0.77	2.00
100	200	0.2	-0.8	1	1.96	1.02	2.00	1.94	0.77	2.00
100	1000	0.2	-0.8	1	1.96	1.02	2.00	1.94	0.77	2.00
200	4	0.2	-0.8	1	1.98	1.03	2.00	1.97	0.77	2.00
200	20	0.2	-0.8	1	1.98	1.02	2.00	1.97	0.77	2.00
200	200	0.2	-0.8	1	1.98	1.02	2.00	1.97	0.77	2.00
200	1000	0.2	-0.8	1	1.98	1.02	2.00	1.97	0.77	2.00
4	4	0.8	-0.8	1	1.13	1.04	1.99	1.13	0.98	1.99
4	20	0.8	-0.8	1	1.12	1.03	2.00	1.11	0.99	2.00
4	200	0.8	-0.8	1	1.12	1.02	2.00	1.11	0.98	1.99
4	1000	0.8	-0.8	1	1.12	1.02	2.00	1.11	0.98	1.99
20	4	0.8	-0.8	1	1.50	1.03	1.99	1.24	0.95	1.97
20	20	0.8	-0.8	1	1.51	1.02	2.00	1.27	0.95	1.99
20	200	0.8	-0.8	1	1.52	1.02	2.00	1.29	0.95	1.99
20	1000	0.8	-0.8	1	1.53	1.02	2.00	1.30	0.95	1.99
50	4	0.8	-0.8	1	1.73	1.03	1.99	1.28	0.94	1.93
50	20	0.8	-0.8	1	1.75	1.02	2.00	1.35	0.94	1.98
50	200	0.8	-0.8	1	1.75	1.02	2.00	1.36	0.94	1.99
50	1000	0.8	-0.8	1	1.76	1.02	2.00	1.37	0.94	1.99
100	4	0.8	-0.8	1	1.85	1.03	1.99	1.28	0.94	1.89
100	20	0.8	-0.8	1	1.86	1.03	1.99	1.37	0.94	1.97
100	200	0.8	-0.8	1	1.87	1.02	2.00	1.39	0.94	1.98
100	1000	0.8	-0.8	1	1.87	1.02	2.00	1.39	0.94	1.98
200	4	0.8	-0.8	1	1.92	1.02	1.99	1.29	0.94	1.83
200	20	0.8	-0.8	1	1.93	1.02	1.99	1.39	0.94	1.95
200	200	0.8	-0.8	1	1.93	1.02	2.00	1.40	0.94	1.98
200	1000	0.8	-0.8	1	1.93	1.02	2.00	1.40	0.94	1.98
4	4	0.2	0.0	2	2.00	1.97	2.00	2.00	1.98	2.00
4	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	2	2.00	2.01	2.00	2.00	2.01	2.00
20	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00

50	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	2	1.99	2.00	2.00	2.00	1.99	2.00
4	20	0.8	0.0	2	2.01	2.01	2.00	2.01	2.01	2.00
4	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.2	0.2	2	2.09	2.15	2.00	2.07	2.13	2.00
4	20	0.2	0.2	2	2.10	2.14	2.00	2.09	2.13	2.00
4	200	0.2	0.2	2	2.10	2.15	2.00	2.09	2.13	2.00
4	1000	0.2	0.2	2	2.10	2.15	2.00	2.09	2.13	2.00
20	4	0.2	0.2	2	2.03	2.14	2.00	2.03	2.11	2.00
20	20	0.2	0.2	2	2.03	2.15	2.00	2.03	2.11	2.00

20	200	0.2	0.2	2	2.03	2.15	2.00	2.03	2.11	2.00
20	1000	0.2	0.2	2	2.03	2.15	2.00	2.03	2.11	2.00
50	4	0.2	0.2	2	2.01	2.15	2.00	2.02	2.11	2.00
50	20	0.2	0.2	2	2.01	2.15	2.00	2.02	2.11	2.00
50	200	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
50	1000	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
100	4	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
100	20	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
100	200	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
100	1000	0.2	0.2	2	2.01	2.15	2.00	2.01	2.11	2.00
200	4	0.2	0.2	2	2.00	2.15	2.00	2.00	2.11	2.00
200	20	0.2	0.2	2	2.00	2.15	2.00	2.00	2.11	2.00
200	200	0.2	0.2	2	2.00	2.15	2.00	2.00	2.11	2.00
200	1000	0.2	0.2	2	2.00	2.15	2.00	2.00	2.11	2.00
4	4	0.8	0.2	2	2.14	2.14	2.00	2.14	2.15	2.00
4	20	0.8	0.2	2	2.14	2.15	2.00	2.14	2.15	2.00
4	200	0.8	0.2	2	2.14	2.15	2.00	2.14	2.15	2.00
4	1000	0.8	0.2	2	2.13	2.15	2.00	2.13	2.15	2.00
20	4	0.8	0.2	2	2.07	2.15	2.00	2.10	2.15	2.00
20	20	0.8	0.2	2	2.07	2.15	2.00	2.10	2.14	2.00
20	200	0.8	0.2	2	2.07	2.15	2.00	2.10	2.15	2.00
20	1000	0.8	0.2	2	2.07	2.15	2.00	2.10	2.15	2.00
50	4	0.8	0.2	2	2.04	2.15	2.00	2.10	2.15	2.01
50	20	0.8	0.2	2	2.04	2.15	2.00	2.08	2.15	2.00
50	200	0.8	0.2	2	2.04	2.15	2.00	2.08	2.15	2.00
50	1000	0.8	0.2	2	2.04	2.15	2.00	2.08	2.15	2.00
100	4	0.8	0.2	2	2.02	2.15	2.00	2.07	2.15	2.01
100	20	0.8	0.2	2	2.02	2.15	2.00	2.07	2.15	2.00
100	200	0.8	0.2	2	2.02	2.15	2.00	2.07	2.15	2.00
100	1000	0.8	0.2	2	2.02	2.15	2.00	2.07	2.15	2.00
200	4	0.8	0.2	2	2.01	2.15	2.00	2.07	2.15	2.01
200	20	0.8	0.2	2	2.01	2.15	2.00	2.06	2.15	2.00
200	200	0.8	0.2	2	2.01	2.15	2.00	2.05	2.15	2.00
200	1000	0.8	0.2	2	2.01	2.15	2.00	2.05	2.15	2.00
4	4	0.2	0.5	2	2.24	2.34	2.00	2.22	2.32	2.00
4	20	0.2	0.5	2	2.24	2.36	2.00	2.22	2.32	2.00
4	200	0.2	0.5	2	2.24	2.35	2.00	2.22	2.32	2.00
4	1000	0.2	0.5	2	2.23	2.35	2.00	2.22	2.32	2.00

20	4	0.2	0.5	2	2.07	2.35	2.00	2.10	2.28	2.00
20	20	0.2	0.5	2	2.07	2.35	2.00	2.09	2.28	2.00
20	200	0.2	0.5	2	2.06	2.35	2.00	2.08	2.28	2.00
20	1000	0.2	0.5	2	2.06	2.35	2.00	2.08	2.28	2.00
50	4	0.2	0.5	2	2.03	2.36	2.00	2.04	2.28	2.00
50	20	0.2	0.5	2	2.03	2.36	2.00	2.04	2.28	2.00
50	200	0.2	0.5	2	2.03	2.35	2.00	2.04	2.27	2.00
50	1000	0.2	0.5	2	2.03	2.35	2.00	2.04	2.27	2.00
100	4	0.2	0.5	2	2.02	2.35	2.00	2.02	2.27	2.00
100	20	0.2	0.5	2	2.01	2.35	2.00	2.02	2.27	2.00
100	200	0.2	0.5	2	2.01	2.35	2.00	2.02	2.27	2.00
100	1000	0.2	0.5	2	2.01	2.35	2.00	2.02	2.27	2.00
200	4	0.2	0.5	2	2.01	2.35	2.00	2.01	2.27	2.00
200	20	0.2	0.5	2	2.01	2.35	2.00	2.01	2.27	2.00
200	200	0.2	0.5	2	2.01	2.35	2.00	2.01	2.27	2.00
200	1000	0.2	0.5	2	2.01	2.35	2.00	2.01	2.27	2.00
4	4	0.8	0.5	2	2.35	2.38	2.00	2.35	2.38	2.00
4	20	0.8	0.5	2	2.32	2.35	2.00	2.32	2.35	2.00
4	200	0.8	0.5	2	2.32	2.35	2.00	2.32	2.35	2.00
4	1000	0.8	0.5	2	2.32	2.35	2.00	2.32	2.35	2.00
20	4	0.8	0.5	2	2.18	2.36	2.00	2.27	2.36	2.01
20	20	0.8	0.5	2	2.17	2.35	2.00	2.25	2.35	2.00
20	200	0.8	0.5	2	2.17	2.35	2.00	2.24	2.35	2.00
20	1000	0.8	0.5	2	2.17	2.35	2.00	2.24	2.35	2.00
50	4	0.8	0.5	2	2.10	2.35	2.00	2.24	2.35	2.02
50	20	0.8	0.5	2	2.09	2.35	2.00	2.21	2.35	2.01
50	200	0.8	0.5	2	2.09	2.35	2.00	2.21	2.35	2.01
50	1000	0.8	0.5	2	2.09	2.35	2.00	2.21	2.35	2.01
100	4	0.8	0.5	2	2.06	2.36	2.00	2.24	2.35	2.02
100	20	0.8	0.5	2	2.05	2.35	2.00	2.21	2.35	2.01
100	200	0.8	0.5	2	2.05	2.35	2.00	2.20	2.35	2.01
100	1000	0.8	0.5	2	2.05	2.35	2.00	2.20	2.35	2.01
200	4	0.8	0.5	2	2.03	2.35	2.00	2.24	2.35	2.04
200	20	0.8	0.5	2	2.03	2.35	2.00	2.21	2.35	2.01
200	200	0.8	0.5	2	2.03	2.35	2.00	2.20	2.35	2.01
200	1000	0.8	0.5	2	2.03	2.35	2.00	2.20	2.35	2.01
4	4	0.2	0.8	2	2.36	2.51	2.00	2.34	2.50	2.00
4	20	0.2	0.8	2	2.36	2.52	2.00	2.35	2.51	2.00

4	200	0.2	0.8	2	2.34	2.52	2.00	2.33	2.50	2.00
4	1000	0.2	0.8	2	2.34	2.52	2.00	2.33	2.50	2.00
20	4	0.2	0.8	2	2.11	2.52	2.00	2.19	2.47	2.00
20	20	0.2	0.8	2	2.10	2.52	2.00	2.14	2.47	2.00
20	200	0.2	0.8	2	2.09	2.52	2.00	2.13	2.47	2.00
20	1000	0.2	0.8	2	2.09	2.52	2.00	2.13	2.47	2.00
50	4	0.2	0.8	2	2.04	2.52	2.00	2.08	2.47	2.00
50	20	0.2	0.8	2	2.04	2.52	2.00	2.06	2.47	2.00
50	200	0.2	0.8	2	2.04	2.52	2.00	2.06	2.47	2.00
50	1000	0.2	0.8	2	2.04	2.52	2.00	2.06	2.47	2.00
100	4	0.2	0.8	2	2.02	2.52	2.00	2.03	2.46	2.00
100	20	0.2	0.8	2	2.02	2.52	2.00	2.03	2.46	2.00
100	200	0.2	0.8	2	2.02	2.52	2.00	2.03	2.46	2.00
100	1000	0.2	0.8	2	2.02	2.52	2.00	2.03	2.46	2.00
200	4	0.2	0.8	2	2.01	2.52	2.00	2.02	2.46	2.00
200	20	0.2	0.8	2	2.01	2.52	2.00	2.01	2.46	2.00
200	200	0.2	0.8	2	2.01	2.52	2.00	2.01	2.46	2.00
200	1000	0.2	0.8	2	2.01	2.52	2.00	2.01	2.46	2.00
4	4	0.8	0.8	2	2.48	2.53	2.00	2.48	2.53	2.01
4	20	0.8	0.8	2	2.47	2.51	2.00	2.47	2.52	2.00
4	200	0.8	0.8	2	2.47	2.52	2.00	2.47	2.52	2.00
4	1000	0.8	0.8	2	2.47	2.52	2.00	2.47	2.52	2.00
20	4	0.8	0.8	2	2.27	2.52	2.01	2.40	2.53	2.01
20	20	0.8	0.8	2	2.25	2.52	2.00	2.37	2.53	2.01
20	200	0.8	0.8	2	2.25	2.52	2.00	2.37	2.53	2.01
20	1000	0.8	0.8	2	2.25	2.52	2.00	2.36	2.53	2.01
50	4	0.8	0.8	2	2.14	2.52	2.01	2.37	2.53	2.03
50	20	0.8	0.8	2	2.13	2.52	2.00	2.33	2.53	2.01
50	200	0.8	0.8	2	2.13	2.52	2.00	2.33	2.53	2.01
50	1000	0.8	0.8	2	2.13	2.52	2.00	2.33	2.53	2.01
100	4	0.8	0.8	2	2.08	2.52	2.00	2.36	2.53	2.05
100	20	0.8	0.8	2	2.07	2.52	2.00	2.33	2.53	2.01
100	200	0.8	0.8	2	2.07	2.52	2.00	2.32	2.53	2.01
100	1000	0.8	0.8	2	2.07	2.52	2.00	2.32	2.53	2.01
200	4	0.8	0.8	2	2.04	2.52	2.00	2.37	2.53	2.07
200	20	0.8	0.8	2	2.04	2.52	2.00	2.32	2.53	2.02
200	200	0.8	0.8	2	2.04	2.52	2.00	2.31	2.53	2.01
200	1000	0.8	0.8	2	2.04	2.52	2.00	2.31	2.53	2.01

4	4	0.2	-0.2	2	1.90	1.85	2.00	1.91	1.88	2.00
4	20	0.2	-0.2	2	1.90	1.87	2.00	1.91	1.88	2.00
4	200	0.2	-0.2	2	1.90	1.85	2.00	1.91	1.87	2.00
4	1000	0.2	-0.2	2	1.90	1.85	2.00	1.91	1.87	2.00
20	4	0.2	-0.2	2	1.97	1.85	2.00	1.96	1.89	2.00
20	20	0.2	-0.2	2	1.97	1.85	2.00	1.97	1.89	2.00
20	200	0.2	-0.2	2	1.97	1.85	2.00	1.97	1.89	2.00
20	1000	0.2	-0.2	2	1.97	1.85	2.00	1.97	1.89	2.00
50	4	0.2	-0.2	2	1.99	1.85	2.00	1.98	1.89	2.00
50	20	0.2	-0.2	2	1.99	1.85	2.00	1.98	1.89	2.00
50	200	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
50	1000	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
100	4	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
100	20	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
100	200	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
100	1000	0.2	-0.2	2	1.99	1.85	2.00	1.99	1.89	2.00
200	4	0.2	-0.2	2	2.00	1.85	2.00	2.00	1.89	2.00
200	20	0.2	-0.2	2	2.00	1.85	2.00	2.00	1.89	2.00
200	200	0.2	-0.2	2	2.00	1.85	2.00	2.00	1.89	2.00
200	1000	0.2	-0.2	2	2.00	1.85	2.00	2.00	1.89	2.00
4	4	0.8	-0.2	2	1.89	1.86	2.00	1.89	1.87	2.00
4	20	0.8	-0.2	2	1.87	1.86	2.00	1.87	1.86	2.00
4	200	0.8	-0.2	2	1.86	1.85	2.00	1.86	1.85	2.00
4	1000	0.8	-0.2	2	1.87	1.85	2.00	1.87	1.85	2.00
20	4	0.8	-0.2	2	1.92	1.85	2.00	1.89	1.86	2.00
20	20	0.8	-0.2	2	1.93	1.86	2.00	1.90	1.86	2.00
20	200	0.8	-0.2	2	1.93	1.85	2.00	1.90	1.85	2.00
20	1000	0.8	-0.2	2	1.93	1.85	2.00	1.90	1.85	2.00
50	4	0.8	-0.2	2	1.96	1.86	2.00	1.91	1.86	1.99
50	20	0.8	-0.2	2	1.96	1.85	2.00	1.92	1.85	2.00
50	200	0.8	-0.2	2	1.96	1.85	2.00	1.92	1.85	2.00
50	1000	0.8	-0.2	2	1.96	1.85	2.00	1.92	1.85	2.00
100	4	0.8	-0.2	2	1.98	1.85	2.00	1.92	1.85	1.99
100	20	0.8	-0.2	2	1.98	1.85	2.00	1.93	1.85	2.00
100	200	0.8	-0.2	2	1.98	1.85	2.00	1.93	1.85	2.00
100	1000	0.8	-0.2	2	1.98	1.85	2.00	1.93	1.85	2.00
200	4	0.8	-0.2	2	1.99	1.85	2.00	1.94	1.86	1.99
200	20	0.8	-0.2	2	1.99	1.85	2.00	1.94	1.85	2.00

200	200	0.8	-0.2	2	1.99	1.85	2.00	1.95	1.85	2.00
200	1000	0.8	-0.2	2	1.99	1.85	2.00	1.95	1.85	2.00
4	4	0.2	-0.5	2	1.75	1.65	2.00	1.76	1.66	2.00
4	20	0.2	-0.5	2	1.76	1.64	2.00	1.77	1.68	2.00
4	200	0.2	-0.5	2	1.77	1.65	2.00	1.78	1.68	2.00
4	1000	0.2	-0.5	2	1.77	1.65	2.00	1.78	1.68	2.00
20	4	0.2	-0.5	2	1.92	1.65	2.00	1.89	1.72	2.00
20	20	0.2	-0.5	2	1.93	1.65	2.00	1.92	1.72	2.00
20	200	0.2	-0.5	2	1.94	1.65	2.00	1.92	1.72	2.00
20	1000	0.2	-0.5	2	1.94	1.65	2.00	1.92	1.72	2.00
50	4	0.2	-0.5	2	1.97	1.65	2.00	1.95	1.73	2.00
50	20	0.2	-0.5	2	1.97	1.65	2.00	1.96	1.73	2.00
50	200	0.2	-0.5	2	1.97	1.65	2.00	1.96	1.73	2.00
50	1000	0.2	-0.5	2	1.97	1.65	2.00	1.96	1.73	2.00
100	4	0.2	-0.5	2	1.98	1.65	2.00	1.98	1.73	2.00
100	20	0.2	-0.5	2	1.99	1.65	2.00	1.98	1.73	2.00
100	200	0.2	-0.5	2	1.99	1.65	2.00	1.98	1.73	2.00
100	1000	0.2	-0.5	2	1.99	1.65	2.00	1.98	1.73	2.00
200	4	0.2	-0.5	2	1.99	1.64	2.00	1.99	1.73	2.00
200	20	0.2	-0.5	2	1.99	1.65	2.00	1.99	1.73	2.00
200	200	0.2	-0.5	2	1.99	1.65	2.00	1.99	1.73	2.00
200	1000	0.2	-0.5	2	1.99	1.65	2.00	1.99	1.73	2.00
4	4	0.8	-0.5	2	1.66	1.64	2.00	1.66	1.65	2.00
4	20	0.8	-0.5	2	1.67	1.64	2.00	1.67	1.64	2.00
4	200	0.8	-0.5	2	1.68	1.65	2.00	1.68	1.65	2.00
4	1000	0.8	-0.5	2	1.68	1.65	2.00	1.68	1.65	2.00
20	4	0.8	-0.5	2	1.81	1.65	2.00	1.74	1.65	1.99
20	20	0.8	-0.5	2	1.83	1.65	2.00	1.76	1.65	2.00
20	200	0.8	-0.5	2	1.83	1.65	2.00	1.76	1.65	2.00
20	1000	0.8	-0.5	2	1.83	1.65	2.00	1.76	1.65	2.00
50	4	0.8	-0.5	2	1.90	1.65	2.00	1.76	1.65	1.99
50	20	0.8	-0.5	2	1.91	1.65	2.00	1.78	1.65	1.99
50	200	0.8	-0.5	2	1.91	1.65	2.00	1.79	1.65	1.99
50	1000	0.8	-0.5	2	1.91	1.65	2.00	1.79	1.65	1.99
100	4	0.8	-0.5	2	1.94	1.65	2.00	1.76	1.65	1.97
100	20	0.8	-0.5	2	1.95	1.65	2.00	1.80	1.65	1.99
100	200	0.8	-0.5	2	1.95	1.65	2.00	1.80	1.65	1.99
100	1000	0.8	-0.5	2	1.95	1.65	2.00	1.80	1.65	1.99

200	4	0.8	-0.5	2	1.97	1.65	2.00	1.76	1.65	1.96
200	20	0.8	-0.5	2	1.97	1.65	2.00	1.79	1.65	1.99
200	200	0.8	-0.5	2	1.97	1.65	2.00	1.80	1.65	1.99
200	1000	0.8	-0.5	2	1.97	1.65	2.00	1.80	1.65	1.99
4	4	0.2	-0.8	2	1.64	1.49	2.00	1.66	1.49	2.00
4	20	0.2	-0.8	2	1.65	1.48	2.00	1.66	1.49	2.00
4	200	0.2	-0.8	2	1.65	1.48	2.00	1.67	1.50	2.00
4	1000	0.2	-0.8	2	1.66	1.48	2.00	1.67	1.50	2.00
20	4	0.2	-0.8	2	1.89	1.49	2.00	1.82	1.53	2.00
20	20	0.2	-0.8	2	1.91	1.48	2.00	1.86	1.52	2.00
20	200	0.2	-0.8	2	1.91	1.48	2.00	1.87	1.53	2.00
20	1000	0.2	-0.8	2	1.91	1.48	2.00	1.87	1.53	2.00
50	4	0.2	-0.8	2	1.96	1.49	2.00	1.92	1.53	2.00
50	20	0.2	-0.8	2	1.96	1.48	2.00	1.94	1.53	2.00
50	200	0.2	-0.8	2	1.96	1.48	2.00	1.94	1.53	2.00
50	1000	0.2	-0.8	2	1.96	1.48	2.00	1.94	1.53	2.00
100	4	0.2	-0.8	2	1.98	1.48	2.00	1.96	1.53	2.00
100	20	0.2	-0.8	2	1.98	1.48	2.00	1.97	1.54	2.00
100	200	0.2	-0.8	2	1.98	1.48	2.00	1.97	1.54	2.00
100	1000	0.2	-0.8	2	1.98	1.48	2.00	1.97	1.54	2.00
200	4	0.2	-0.8	2	1.99	1.48	2.00	1.98	1.54	2.00
200	20	0.2	-0.8	2	1.99	1.48	2.00	1.99	1.54	2.00
200	200	0.2	-0.8	2	1.99	1.48	2.00	1.99	1.54	2.00
200	1000	0.2	-0.8	2	1.99	1.48	2.00	1.99	1.54	2.00
4	4	0.8	-0.8	2	1.52	1.49	2.00	1.52	1.49	1.99
4	20	0.8	-0.8	2	1.53	1.48	2.00	1.53	1.47	2.00
4	200	0.8	-0.8	2	1.53	1.48	2.00	1.53	1.48	2.00
4	1000	0.8	-0.8	2	1.53	1.48	2.00	1.53	1.48	2.00
20	4	0.8	-0.8	2	1.73	1.48	2.00	1.59	1.46	1.98
20	20	0.8	-0.8	2	1.74	1.48	2.00	1.62	1.47	1.99
20	200	0.8	-0.8	2	1.75	1.48	2.00	1.63	1.47	1.99
20	1000	0.8	-0.8	2	1.75	1.48	2.00	1.63	1.47	1.99
50	4	0.8	-0.8	2	1.86	1.48	2.00	1.63	1.47	1.97
50	20	0.8	-0.8	2	1.87	1.48	2.00	1.66	1.47	1.99
50	200	0.8	-0.8	2	1.87	1.48	2.00	1.67	1.47	1.99
50	1000	0.8	-0.8	2	1.87	1.48	2.00	1.67	1.47	1.99
100	4	0.8	-0.8	2	1.92	1.48	2.00	1.64	1.47	1.95
100	20	0.8	-0.8	2	1.93	1.48	2.00	1.67	1.47	1.99

100	200	0.8	-0.8	2	1.93	1.48	2.00	1.68	1.47	1.99
100	1000	0.8	-0.8	2	1.93	1.48	2.00	1.68	1.47	1.99
200	4	0.8	-0.8	2	1.96	1.48	2.00	1.64	1.47	1.91
200	20	0.8	-0.8	2	1.96	1.48	2.00	1.67	1.47	1.98
200	200	0.8	-0.8	2	1.96	1.48	2.00	1.69	1.47	1.99
200	1000	0.8	-0.8	2	1.96	1.48	2.00	1.69	1.47	1.99
4	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	8	2.00	2.00	2.00	2.01	2.00	2.00
4	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00

100	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.2	0.2	8	2.01	2.02	2.00	2.01	2.02	2.00
4	20	0.2	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
4	200	0.2	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
4	1000	0.2	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
20	4	0.2	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	20	0.2	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	200	0.2	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
20	1000	0.2	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
50	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0.8	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	20	0.8	0.2	8	2.03	2.03	2.00	2.03	2.03	2.00
4	200	0.8	0.2	8	2.03	2.03	2.00	2.03	2.03	2.00
4	1000	0.8	0.2	8	2.03	2.03	2.00	2.03	2.03	2.00
20	4	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	20	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	200	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	1000	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
50	4	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
50	20	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00

50	200	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
50	1000	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
100	4	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	20	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	200	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	1000	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
200	4	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
200	20	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
200	200	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
200	1000	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
4	4	0.2	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	20	0.2	0.5	8	2.05	2.07	2.00	2.05	2.06	2.00
4	200	0.2	0.5	8	2.05	2.07	2.00	2.04	2.06	2.00
4	1000	0.2	0.5	8	2.05	2.07	2.00	2.04	2.06	2.00
20	4	0.2	0.5	8	2.02	2.07	2.00	2.02	2.05	2.00
20	20	0.2	0.5	8	2.01	2.07	2.00	2.02	2.05	2.00
20	200	0.2	0.5	8	2.01	2.07	2.00	2.02	2.05	2.00
20	1000	0.2	0.5	8	2.01	2.07	2.00	2.02	2.05	2.00
50	4	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
50	20	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
50	200	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
50	1000	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
100	4	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	20	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	200	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	1000	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	4	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	20	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	200	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	1000	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
4	4	0.8	0.5	8	2.07	2.07	2.00	2.07	2.07	2.00
4	20	0.8	0.5	8	2.07	2.07	2.00	2.07	2.07	2.00
4	200	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
4	1000	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
20	4	0.8	0.5	8	2.03	2.07	2.00	2.05	2.07	2.00
20	20	0.8	0.5	8	2.04	2.07	2.00	2.05	2.07	2.00
20	200	0.8	0.5	8	2.03	2.07	2.00	2.05	2.07	2.00
20	1000	0.8	0.5	8	2.03	2.07	2.00	2.05	2.07	2.00

50	4	0.8	0.5	8	2.02	2.07	2.00	2.05	2.07	2.00
50	20	0.8	0.5	8	2.02	2.07	2.00	2.04	2.07	2.00
50	200	0.8	0.5	8	2.02	2.07	2.00	2.04	2.07	2.00
50	1000	0.8	0.5	8	2.02	2.07	2.00	2.04	2.07	2.00
100	4	0.8	0.5	8	2.01	2.07	2.00	2.04	2.07	2.00
100	20	0.8	0.5	8	2.01	2.07	2.00	2.04	2.07	2.00
100	200	0.8	0.5	8	2.01	2.07	2.00	2.04	2.07	2.00
100	1000	0.8	0.5	8	2.01	2.07	2.00	2.04	2.07	2.00
200	4	0.8	0.5	8	2.01	2.07	2.00	2.04	2.07	2.01
200	20	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
200	200	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
200	1000	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
4	4	0.2	0.8	8	2.07	2.10	2.00	2.07	2.10	2.00
4	20	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	200	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	1000	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
20	4	0.2	0.8	8	2.02	2.11	2.00	2.03	2.09	2.00
20	20	0.2	0.8	8	2.02	2.11	2.00	2.03	2.09	2.00
20	200	0.2	0.8	8	2.02	2.11	2.00	2.03	2.09	2.00
20	1000	0.2	0.8	8	2.02	2.11	2.00	2.03	2.09	2.00
50	4	0.2	0.8	8	2.01	2.11	2.00	2.02	2.09	2.00
50	20	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
50	200	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
50	1000	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
100	4	0.2	0.8	8	2.00	2.11	2.00	2.01	2.09	2.00
100	20	0.2	0.8	8	2.00	2.11	2.00	2.01	2.09	2.00
100	200	0.2	0.8	8	2.00	2.11	2.00	2.01	2.09	2.00
100	1000	0.2	0.8	8	2.00	2.11	2.00	2.01	2.09	2.00
200	4	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	20	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	200	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	1000	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
4	4	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
4	20	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
4	200	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
4	1000	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
20	4	0.8	0.8	8	2.06	2.11	2.00	2.08	2.11	2.00
20	20	0.8	0.8	8	2.05	2.11	2.00	2.08	2.11	2.00

20	200	0.8	0.8	8	2.05	2.11	2.00	2.08	2.11	2.00
20	1000	0.8	0.8	8	2.05	2.11	2.00	2.08	2.11	2.00
50	4	0.8	0.8	8	2.03	2.11	2.00	2.08	2.11	2.01
50	20	0.8	0.8	8	2.03	2.11	2.00	2.07	2.11	2.00
50	200	0.8	0.8	8	2.03	2.11	2.00	2.07	2.11	2.00
50	1000	0.8	0.8	8	2.03	2.11	2.00	2.07	2.11	2.00
100	4	0.8	0.8	8	2.02	2.11	2.00	2.08	2.11	2.01
100	20	0.8	0.8	8	2.02	2.11	2.00	2.07	2.11	2.00
100	200	0.8	0.8	8	2.02	2.11	2.00	2.06	2.11	2.00
100	1000	0.8	0.8	8	2.02	2.11	2.00	2.06	2.11	2.00
200	4	0.8	0.8	8	2.01	2.11	2.00	2.08	2.11	2.01
200	20	0.8	0.8	8	2.01	2.11	2.00	2.07	2.11	2.00
200	200	0.8	0.8	8	2.01	2.11	2.00	2.06	2.11	2.00
200	1000	0.8	0.8	8	2.01	2.11	2.00	2.06	2.11	2.00
4	4	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
4	20	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
4	200	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	1000	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
20	4	0.2	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
20	20	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
20	200	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
20	1000	0.2	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
50	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
4	4	0.8	-0.2	8	1.97	1.97	2.00	1.97	1.97	2.00
4	20	0.8	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	200	0.8	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	1000	0.8	-0.2	8	1.97	1.97	2.00	1.97	1.97	2.00

20	4	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
20	20	0.8	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
20	200	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
20	1000	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
50	4	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
50	20	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
50	200	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
50	1000	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
100	4	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
100	20	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
100	200	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
100	1000	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
200	4	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
200	20	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
200	200	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
200	1000	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
4	4	0.2	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
4	20	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
4	200	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
4	1000	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
20	4	0.2	-0.5	8	1.98	1.93	2.00	1.98	1.95	2.00
20	20	0.2	-0.5	8	1.99	1.93	2.00	1.98	1.95	2.00
20	200	0.2	-0.5	8	1.99	1.93	2.00	1.98	1.95	2.00
20	1000	0.2	-0.5	8	1.99	1.93	2.00	1.98	1.95	2.00
50	4	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
50	20	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
50	200	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
50	1000	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
100	4	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	20	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	200	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	1000	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	4	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	20	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	200	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	1000	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
4	4	0.8	-0.5	8	1.93	1.93	2.00	1.93	1.93	2.00
4	20	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00

4	200	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
4	1000	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
20	4	0.8	-0.5	8	1.96	1.93	2.00	1.95	1.93	2.00
20	20	0.8	-0.5	8	1.96	1.93	2.00	1.95	1.93	2.00
20	200	0.8	-0.5	8	1.97	1.93	2.00	1.95	1.93	2.00
20	1000	0.8	-0.5	8	1.97	1.93	2.00	1.95	1.93	2.00
50	4	0.8	-0.5	8	1.98	1.93	2.00	1.95	1.93	2.00
50	20	0.8	-0.5	8	1.98	1.93	2.00	1.96	1.93	2.00
50	200	0.8	-0.5	8	1.98	1.93	2.00	1.96	1.93	2.00
50	1000	0.8	-0.5	8	1.98	1.93	2.00	1.96	1.93	2.00
100	4	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	2.00
100	20	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	2.00
100	200	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	2.00
100	1000	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	2.00
200	4	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	1.99
200	20	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
200	200	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
200	1000	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
4	4	0.2	-0.8	8	1.92	1.89	2.00	1.93	1.90	2.00
4	20	0.2	-0.8	8	1.92	1.89	2.00	1.93	1.90	2.00
4	200	0.2	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
4	1000	0.2	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
20	4	0.2	-0.8	8	1.98	1.89	2.00	1.97	1.91	2.00
20	20	0.2	-0.8	8	1.98	1.89	2.00	1.97	1.91	2.00
20	200	0.2	-0.8	8	1.98	1.89	2.00	1.97	1.91	2.00
20	1000	0.2	-0.8	8	1.98	1.89	2.00	1.97	1.91	2.00
50	4	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	20	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	200	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	1000	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
100	4	0.2	-0.8	8	2.00	1.89	2.00	1.99	1.91	2.00
100	20	0.2	-0.8	8	2.00	1.89	2.00	1.99	1.91	2.00
100	200	0.2	-0.8	8	2.00	1.89	2.00	1.99	1.91	2.00
100	1000	0.2	-0.8	8	2.00	1.89	2.00	1.99	1.91	2.00
200	4	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	20	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	200	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	1000	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00

4	4	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	20	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	200	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	1000	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
20	4	0.8	-0.8	8	1.94	1.89	2.00	1.92	1.89	2.00
20	20	0.8	-0.8	8	1.95	1.89	2.00	1.92	1.89	2.00
20	200	0.8	-0.8	8	1.95	1.89	2.00	1.92	1.89	2.00
20	1000	0.8	-0.8	8	1.95	1.89	2.00	1.92	1.89	2.00
50	4	0.8	-0.8	8	1.97	1.89	2.00	1.92	1.89	1.99
50	20	0.8	-0.8	8	1.97	1.89	2.00	1.93	1.89	2.00
50	200	0.8	-0.8	8	1.97	1.89	2.00	1.93	1.89	2.00
50	1000	0.8	-0.8	8	1.97	1.89	2.00	1.93	1.89	2.00
100	4	0.8	-0.8	8	1.98	1.89	2.00	1.92	1.89	1.99
100	20	0.8	-0.8	8	1.98	1.89	2.00	1.93	1.89	2.00
100	200	0.8	-0.8	8	1.98	1.89	2.00	1.94	1.89	2.00
100	1000	0.8	-0.8	8	1.98	1.89	2.00	1.94	1.89	2.00
200	4	0.8	-0.8	8	1.99	1.89	2.00	1.92	1.89	1.99
200	20	0.8	-0.8	8	1.99	1.89	2.00	1.93	1.89	2.00
200	200	0.8	-0.8	8	1.99	1.89	2.00	1.94	1.89	2.00
200	1000	0.8	-0.8	8	1.99	1.89	2.00	1.94	1.89	2.00
4	4	0	0.0	1	1.95	1.98	2.00	1.93	1.97	2.00
4	20	0	0.0	1	1.99	1.98	2.00	1.99	1.99	2.00
4	200	0	0.0	1	2.00	2.01	2.00	2.00	2.01	2.00
4	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0	0.0	1	2.00	2.01	2.00	2.00	2.01	2.00
20	20	0	0.0	1	2.00	2.00	2.00	2.00	2.01	2.00
20	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

200	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	1	1.98	1.96	2.00	1.97	1.95	2.00
4	20	0.5	0.0	1	2.00	1.99	2.00	2.00	1.99	2.00
4	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	1	1.99	1.98	2.00	1.99	1.98	2.00
20	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	1	2.30	2.45	2.00	2.26	2.34	2.00
4	20	0	0.2	1	2.23	2.39	2.00	2.20	2.31	2.00
4	200	0	0.2	1	2.23	2.38	2.00	2.20	2.31	2.00
4	1000	0	0.2	1	2.23	2.39	2.00	2.20	2.31	2.00
20	4	0	0.2	1	2.07	2.40	2.00	2.07	2.26	2.00
20	20	0	0.2	1	2.06	2.39	2.00	2.05	2.25	2.00
20	200	0	0.2	1	2.06	2.38	2.00	2.05	2.25	2.00
20	1000	0	0.2	1	2.05	2.38	2.00	2.05	2.25	2.00
50	4	0	0.2	1	2.03	2.39	2.00	2.03	2.24	2.00
50	20	0	0.2	1	2.02	2.38	2.00	2.02	2.24	2.00
50	200	0	0.2	1	2.02	2.38	2.00	2.02	2.24	2.00
50	1000	0	0.2	1	2.02	2.38	2.00	2.02	2.24	2.00
100	4	0	0.2	1	2.01	2.39	2.00	2.01	2.24	2.00
100	20	0	0.2	1	2.01	2.38	2.00	2.01	2.24	2.00
100	200	0	0.2	1	2.01	2.39	2.00	2.01	2.24	2.00
100	1000	0	0.2	1	2.01	2.38	2.00	2.01	2.24	2.00

200	4	0	0.2	1	2.01	2.39	2.00	2.01	2.23	2.00
200	20	0	0.2	1	2.01	2.38	2.00	2.01	2.23	2.00
200	200	0	0.2	1	2.01	2.38	2.00	2.01	2.23	2.00
200	1000	0	0.2	1	2.01	2.38	2.00	2.01	2.23	2.00
4	4	0.5	0.2	1	2.35	2.40	2.00	2.34	2.37	2.00
4	20	0.5	0.2	1	2.30	2.38	2.00	2.30	2.36	2.00
4	200	0.5	0.2	1	2.30	2.39	2.00	2.29	2.37	2.00
4	1000	0.5	0.2	1	2.30	2.38	2.00	2.29	2.36	2.00
20	4	0.5	0.2	1	2.12	2.39	2.00	2.19	2.35	2.00
20	20	0.5	0.2	1	2.11	2.38	2.00	2.17	2.35	2.00
20	200	0.5	0.2	1	2.10	2.39	2.00	2.16	2.35	2.00
20	1000	0.5	0.2	1	2.10	2.39	2.00	2.16	2.35	2.00
50	4	0.5	0.2	1	2.05	2.39	2.00	2.12	2.35	2.00
50	20	0.5	0.2	1	2.04	2.39	2.00	2.10	2.35	2.00
50	200	0.5	0.2	1	2.04	2.38	2.00	2.10	2.34	2.00
50	1000	0.5	0.2	1	2.04	2.38	2.00	2.10	2.34	2.00
100	4	0.5	0.2	1	2.03	2.39	2.00	2.07	2.35	2.00
100	20	0.5	0.2	1	2.02	2.39	2.00	2.06	2.35	2.00
100	200	0.5	0.2	1	2.02	2.38	2.00	2.06	2.34	2.00
100	1000	0.5	0.2	1	2.02	2.38	2.00	2.06	2.34	2.00
200	4	0.5	0.2	1	2.01	2.38	2.00	2.04	2.34	2.00
200	20	0.5	0.2	1	2.01	2.39	2.00	2.03	2.34	2.00
200	200	0.5	0.2	1	2.01	2.38	2.00	2.03	2.34	2.00
200	1000	0.5	0.2	1	2.01	2.38	2.00	2.03	2.34	2.00
4	4	0	0.5	1	2.55	2.83	2.00	2.47	2.72	2.00
4	20	0	0.5	1	2.49	2.80	2.00	2.43	2.69	2.00
4	200	0	0.5	1	2.48	2.80	2.00	2.42	2.68	2.00
4	1000	0	0.5	1	2.48	2.80	2.00	2.43	2.69	2.00
20	4	0	0.5	1	2.14	2.81	2.00	2.14	2.57	2.00
20	20	0	0.5	1	2.12	2.80	2.00	2.12	2.55	2.00
20	200	0	0.5	1	2.11	2.80	2.00	2.11	2.55	2.00
20	1000	0	0.5	1	2.11	2.80	2.00	2.11	2.55	2.00
50	4	0	0.5	1	2.05	2.79	2.00	2.05	2.53	2.00
50	20	0	0.5	1	2.05	2.80	2.00	2.05	2.54	2.00
50	200	0	0.5	1	2.05	2.80	2.00	2.05	2.53	2.00
50	1000	0	0.5	1	2.05	2.80	2.00	2.05	2.53	2.00
100	4	0	0.5	1	2.03	2.80	2.00	2.03	2.53	2.00
100	20	0	0.5	1	2.02	2.80	2.00	2.02	2.53	2.00

100	200	0	0.5	1	2.02	2.80	2.00	2.02	2.53	2.00
100	1000	0	0.5	1	2.02	2.80	2.00	2.02	2.53	2.00
200	4	0	0.5	1	2.01	2.81	2.00	2.01	2.53	2.00
200	20	0	0.5	1	2.01	2.80	2.00	2.01	2.53	2.00
200	200	0	0.5	1	2.01	2.80	2.00	2.01	2.52	2.00
200	1000	0	0.5	1	2.01	2.80	2.00	2.01	2.52	2.00
4	4	0.5	0.5	1	2.59	2.77	2.00	2.60	2.79	2.00
4	20	0.5	0.5	1	2.63	2.80	2.00	2.63	2.80	2.00
4	200	0.5	0.5	1	2.62	2.80	2.00	2.62	2.79	2.00
4	1000	0.5	0.5	1	2.62	2.80	2.00	2.62	2.80	2.00
20	4	0.5	0.5	1	2.23	2.80	2.00	2.48	2.80	2.01
20	20	0.5	0.5	1	2.21	2.80	2.00	2.42	2.79	2.00
20	200	0.5	0.5	1	2.21	2.80	2.00	2.40	2.79	2.00
20	1000	0.5	0.5	1	2.21	2.80	2.00	2.40	2.79	2.00
50	4	0.5	0.5	1	2.11	2.80	2.00	2.45	2.79	2.01
50	20	0.5	0.5	1	2.09	2.80	2.00	2.38	2.79	2.00
50	200	0.5	0.5	1	2.09	2.80	2.00	2.36	2.79	2.00
50	1000	0.5	0.5	1	2.09	2.80	2.00	2.36	2.79	2.00
100	4	0.5	0.5	1	2.06	2.79	2.00	2.46	2.78	2.01
100	20	0.5	0.5	1	2.05	2.80	2.00	2.38	2.79	2.00
100	200	0.5	0.5	1	2.05	2.80	2.00	2.40	2.79	2.00
100	1000	0.5	0.5	1	2.05	2.80	2.00	2.41	2.79	2.00
200	4	0.5	0.5	1	2.03	2.80	2.00	2.31	2.79	2.01
200	20	0.5	0.5	1	2.02	2.80	2.00	2.19	2.79	2.00
200	200	0.5	0.5	1	2.02	2.80	2.00	2.09	2.79	2.00
200	1000	0.5	0.5	1	2.02	2.80	2.00	2.09	2.79	2.00
4	4	0	0.8	1	2.64	2.97	2.00	2.57	2.96	2.00
4	20	0	0.8	1	2.60	2.98	2.00	2.55	2.94	2.00
4	200	0	0.8	1	2.58	2.97	2.00	2.53	2.94	2.00
4	1000	0	0.8	1	2.58	2.98	2.00	2.53	2.94	2.00
20	4	0	0.8	1	2.17	2.98	2.00	2.19	2.82	2.00
20	20	0	0.8	1	2.14	2.97	2.00	2.15	2.81	2.00
20	200	0	0.8	1	2.14	2.98	2.00	2.14	2.81	2.00
20	1000	0	0.8	1	2.14	2.98	2.00	2.14	2.81	2.00
50	4	0	0.8	1	2.07	2.98	2.00	2.07	2.78	2.00
50	20	0	0.8	1	2.06	2.98	2.00	2.06	2.78	2.00
50	200	0	0.8	1	2.06	2.98	2.00	2.06	2.78	2.00
50	1000	0	0.8	1	2.06	2.98	2.00	2.06	2.78	2.00

100	4	0	0.8	1	2.04	2.97	2.00	2.04	2.76	2.00
100	20	0	0.8	1	2.03	2.98	2.00	2.03	2.77	2.00
100	200	0	0.8	1	2.03	2.98	2.00	2.03	2.77	2.00
100	1000	0	0.8	1	2.03	2.97	2.00	2.03	2.76	2.00
200	4	0	0.8	1	2.02	2.98	2.00	2.02	2.76	2.00
200	20	0	0.8	1	2.02	2.98	2.00	2.02	2.76	2.00
200	200	0	0.8	1	2.01	2.97	2.00	2.01	2.76	2.00
200	1000	0	0.8	1	2.01	2.98	2.00	2.01	2.76	2.00
4	4	0.5	0.8	1	2.78	2.96	2.00	2.79	3.05	2.01
4	20	0.5	0.8	1	2.77	2.98	2.00	2.79	3.08	2.00
4	200	0.5	0.8	1	2.75	2.97	2.00	2.77	3.07	2.00
4	1000	0.5	0.8	1	2.76	2.98	2.00	2.77	3.07	2.00
20	4	0.5	0.8	1	2.29	2.97	2.00	2.68	3.17	2.01
20	20	0.5	0.8	1	2.26	2.97	2.00	2.59	3.17	2.00
20	200	0.5	0.8	1	2.25	2.97	2.00	2.57	3.17	2.00
20	1000	0.5	0.8	1	2.25	2.98	2.00	2.57	3.17	2.00
50	4	0.5	0.8	1	2.13	2.98	2.00	2.70	3.18	2.01
50	20	0.5	0.8	1	2.11	2.98	2.00	2.59	3.18	2.00
50	200	0.5	0.8	1	2.11	2.98	2.00	2.56	3.18	2.00
50	1000	0.5	0.8	1	2.11	2.98	2.00	2.57	3.18	2.00
100	4	0.5	0.8	1	2.07	2.97	2.00	2.67	3.18	2.02
100	20	0.5	0.8	1	2.06	2.98	2.00	2.59	3.18	2.00
100	200	0.5	0.8	1	2.06	2.98	2.00	2.57	3.18	2.00
100	1000	0.5	0.8	1	2.06	2.98	2.00	2.57	3.18	2.00
200	4	0.5	0.8	1	2.03	2.98	2.00	2.62	3.18	2.01
200	20	0.5	0.8	1	2.03	2.98	2.00	2.59	3.18	2.00
200	200	0.5	0.8	1	2.03	2.98	2.00	2.58	3.18	2.00
200	1000	0.5	0.8	1	2.03	2.98	2.00	2.58	3.18	2.00
4	4	0	-0.2	1	1.72	1.59	2.00	1.74	1.63	2.00
4	20	0	-0.2	1	1.76	1.62	2.00	1.80	1.69	2.00
4	200	0	-0.2	1	1.77	1.61	2.00	1.80	1.69	2.00
4	1000	0	-0.2	1	1.77	1.62	2.00	1.80	1.69	2.00
20	4	0	-0.2	1	1.93	1.60	2.00	1.94	1.74	2.00
20	20	0	-0.2	1	1.94	1.61	2.00	1.95	1.75	2.00
20	200	0	-0.2	1	1.94	1.61	2.00	1.95	1.75	2.00
20	1000	0	-0.2	1	1.94	1.62	2.00	1.95	1.75	2.00
50	4	0	-0.2	1	1.97	1.61	2.00	1.97	1.76	2.00
50	20	0	-0.2	1	1.98	1.61	2.00	1.98	1.76	2.00

50	200	0	-0.2	1	1.98	1.61	2.00	1.98	1.76	2.00
50	1000	0	-0.2	1	1.98	1.61	2.00	1.98	1.76	2.00
100	4	0	-0.2	1	1.99	1.62	2.00	1.99	1.77	2.00
100	20	0	-0.2	1	1.99	1.61	2.00	1.99	1.76	2.00
100	200	0	-0.2	1	1.99	1.61	2.00	1.99	1.76	2.00
100	1000	0	-0.2	1	1.99	1.62	2.00	1.99	1.76	2.00
200	4	0	-0.2	1	1.99	1.62	2.00	1.99	1.77	2.00
200	20	0	-0.2	1	1.99	1.62	2.00	1.99	1.77	2.00
200	200	0	-0.2	1	1.99	1.61	2.00	1.99	1.76	2.00
200	1000	0	-0.2	1	1.99	1.62	2.00	1.99	1.77	2.00
4	4	0.5	-0.2	1	1.73	1.66	2.00	1.76	1.66	2.00
4	20	0.5	-0.2	1	1.71	1.61	2.00	1.71	1.63	2.00
4	200	0.5	-0.2	1	1.71	1.62	2.00	1.71	1.64	2.00
4	1000	0.5	-0.2	1	1.70	1.62	2.00	1.71	1.64	2.00
20	4	0.5	-0.2	1	1.88	1.61	2.00	1.82	1.66	2.00
20	20	0.5	-0.2	1	1.90	1.62	2.00	1.84	1.66	2.00
20	200	0.5	-0.2	1	1.90	1.62	2.00	1.84	1.65	2.00
20	1000	0.5	-0.2	1	1.90	1.62	2.00	1.84	1.65	2.00
50	4	0.5	-0.2	1	1.95	1.62	2.00	1.89	1.66	2.00
50	20	0.5	-0.2	1	1.95	1.62	2.00	1.90	1.65	2.00
50	200	0.5	-0.2	1	1.96	1.61	2.00	1.90	1.65	2.00
50	1000	0.5	-0.2	1	1.96	1.62	2.00	1.90	1.65	2.00
100	4	0.5	-0.2	1	1.97	1.61	2.00	1.93	1.65	2.00
100	20	0.5	-0.2	1	1.97	1.62	2.00	1.94	1.66	2.00
100	200	0.5	-0.2	1	1.98	1.62	2.00	1.94	1.66	2.00
100	1000	0.5	-0.2	1	1.98	1.62	2.00	1.94	1.66	2.00
200	4	0.5	-0.2	1	1.99	1.62	2.00	1.96	1.66	2.00
200	20	0.5	-0.2	1	1.99	1.61	2.00	1.97	1.66	2.00
200	200	0.5	-0.2	1	1.99	1.62	2.00	1.97	1.66	2.00
200	1000	0.5	-0.2	1	1.99	1.62	2.00	1.97	1.66	2.00
4	4	0	-0.5	1	1.48	1.17	2.00	1.55	1.27	2.00
4	20	0	-0.5	1	1.50	1.19	2.00	1.55	1.30	2.00
4	200	0	-0.5	1	1.52	1.20	2.00	1.57	1.31	2.00
4	1000	0	-0.5	1	1.52	1.20	2.00	1.57	1.31	2.00
20	4	0	-0.5	1	1.86	1.20	2.00	1.86	1.44	2.00
20	20	0	-0.5	1	1.88	1.21	2.00	1.88	1.46	2.00
20	200	0	-0.5	1	1.88	1.20	2.00	1.89	1.45	2.00
20	1000	0	-0.5	1	1.89	1.20	2.00	1.89	1.45	2.00

50	4	0	-0.5	1	1.95	1.20	2.00	1.94	1.47	2.00
50	20	0	-0.5	1	1.95	1.20	2.00	1.95	1.47	2.00
50	200	0	-0.5	1	1.95	1.20	2.00	1.95	1.47	2.00
50	1000	0	-0.5	1	1.95	1.20	2.00	1.95	1.47	2.00
100	4	0	-0.5	1	1.97	1.20	2.00	1.97	1.47	2.00
100	20	0	-0.5	1	1.98	1.20	2.00	1.98	1.47	2.00
100	200	0	-0.5	1	1.98	1.20	2.00	1.98	1.47	2.00
100	1000	0	-0.5	1	1.98	1.20	2.00	1.98	1.47	2.00
200	4	0	-0.5	1	1.99	1.20	2.00	1.99	1.47	2.00
200	20	0	-0.5	1	1.99	1.20	2.00	1.99	1.48	2.00
200	200	0	-0.5	1	1.99	1.20	2.00	1.99	1.48	2.00
200	1000	0	-0.5	1	1.99	1.20	2.00	1.99	1.48	2.00
4	4	0.5	-0.5	1	1.34	1.19	1.99	1.34	1.17	1.99
4	20	0.5	-0.5	1	1.38	1.20	2.00	1.39	1.20	2.00
4	200	0.5	-0.5	1	1.38	1.20	2.00	1.38	1.21	2.00
4	1000	0.5	-0.5	1	1.38	1.20	2.00	1.38	1.20	2.00
20	4	0.5	-0.5	1	1.76	1.21	2.00	1.52	1.21	1.99
20	20	0.5	-0.5	1	1.79	1.20	2.00	1.59	1.21	2.00
20	200	0.5	-0.5	1	1.79	1.20	2.00	1.60	1.21	2.00
20	1000	0.5	-0.5	1	1.79	1.20	2.00	1.60	1.21	2.00
50	4	0.5	-0.5	1	1.89	1.20	2.00	1.53	1.22	1.99
50	20	0.5	-0.5	1	1.91	1.20	2.00	1.62	1.21	2.00
50	200	0.5	-0.5	1	1.91	1.20	2.00	1.64	1.21	2.00
50	1000	0.5	-0.5	1	1.91	1.20	2.00	1.64	1.21	2.00
100	4	0.5	-0.5	1	1.94	1.20	2.00	1.53	1.21	1.99
100	20	0.5	-0.5	1	1.95	1.20	2.00	1.59	1.21	2.00
100	200	0.5	-0.5	1	1.95	1.20	2.00	1.59	1.21	2.00
100	1000	0.5	-0.5	1	1.95	1.20	2.00	1.59	1.21	2.00
200	4	0.5	-0.5	1	1.97	1.20	2.00	1.67	1.21	1.99
200	20	0.5	-0.5	1	1.98	1.20	2.00	1.82	1.21	2.00
200	200	0.5	-0.5	1	1.98	1.20	2.00	1.91	1.21	2.00
200	1000	0.5	-0.5	1	1.98	1.20	2.00	1.91	1.21	2.00
4	4	0	-0.8	1	1.35	1.03	2.00	1.40	1.03	2.00
4	20	0	-0.8	1	1.41	1.02	2.00	1.46	1.05	2.00
4	200	0	-0.8	1	1.41	1.02	2.00	1.47	1.05	2.00
4	1000	0	-0.8	1	1.41	1.02	2.00	1.46	1.05	2.00
20	4	0	-0.8	1	1.82	1.01	2.00	1.80	1.13	2.00
20	20	0	-0.8	1	1.86	1.03	2.00	1.86	1.19	2.00

20	200	0	-0.8	1	1.86	1.02	2.00	1.86	1.18	2.00
20	1000	0	-0.8	1	1.86	1.02	2.00	1.86	1.19	2.00
50	4	0	-0.8	1	1.93	1.02	2.00	1.92	1.22	2.00
50	20	0	-0.8	1	1.94	1.03	2.00	1.94	1.22	2.00
50	200	0	-0.8	1	1.94	1.02	2.00	1.94	1.22	2.00
50	1000	0	-0.8	1	1.94	1.02	2.00	1.94	1.22	2.00
100	4	0	-0.8	1	1.96	1.01	2.00	1.96	1.23	2.00
100	20	0	-0.8	1	1.97	1.03	2.00	1.97	1.24	2.00
100	200	0	-0.8	1	1.97	1.02	2.00	1.97	1.23	2.00
100	1000	0	-0.8	1	1.97	1.02	2.00	1.97	1.23	2.00
200	4	0	-0.8	1	1.98	1.02	2.00	1.98	1.24	2.00
200	20	0	-0.8	1	1.98	1.02	2.00	1.98	1.24	2.00
200	200	0	-0.8	1	1.99	1.02	2.00	1.99	1.24	2.00
200	1000	0	-0.8	1	1.99	1.02	2.00	1.99	1.24	2.00
4	4	0.5	-0.8	1	1.20	1.04	1.99	1.21	0.96	1.99
4	20	0.5	-0.8	1	1.23	1.03	2.00	1.21	0.94	2.00
4	200	0.5	-0.8	1	1.24	1.03	2.00	1.23	0.93	2.00
4	1000	0.5	-0.8	1	1.24	1.02	2.00	1.23	0.93	2.00
20	4	0.5	-0.8	1	1.70	1.02	2.00	1.32	0.83	1.99
20	20	0.5	-0.8	1	1.74	1.03	2.00	1.41	0.84	2.00
20	200	0.5	-0.8	1	1.75	1.02	2.00	1.43	0.83	2.00
20	1000	0.5	-0.8	1	1.75	1.02	2.00	1.43	0.83	2.00
50	4	0.5	-0.8	1	1.87	1.02	2.00	1.30	0.82	1.98
50	20	0.5	-0.8	1	1.89	1.03	2.00	1.42	0.82	2.00
50	200	0.5	-0.8	1	1.89	1.02	2.00	1.43	0.82	2.00
50	1000	0.5	-0.8	1	1.89	1.02	2.00	1.43	0.82	2.00
100	4	0.5	-0.8	1	1.93	1.02	2.00	1.31	0.81	1.99
100	20	0.5	-0.8	1	1.94	1.02	2.00	1.39	0.82	2.00
100	200	0.5	-0.8	1	1.94	1.02	2.00	1.42	0.82	2.00
100	1000	0.5	-0.8	1	1.94	1.02	2.00	1.43	0.82	2.00
200	4	0.5	-0.8	1	1.97	1.02	2.00	1.37	0.82	1.99
200	20	0.5	-0.8	1	1.97	1.02	2.00	1.41	0.81	2.00
200	200	0.5	-0.8	1	1.97	1.02	2.00	1.42	0.82	2.00
200	1000	0.5	-0.8	1	1.97	1.02	2.00	1.42	0.82	2.00
4	4	0	0.0	2	2.04	2.04	2.00	2.03	2.02	2.00
4	20	0	0.0	2	2.01	2.00	2.00	2.01	2.00	2.00
4	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00

20	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	2	2.02	2.00	2.00	2.02	2.02	2.00
4	20	0.5	0.0	2	2.00	1.99	2.00	2.00	2.00	2.00
4	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	2	2.10	2.16	2.00	2.09	2.14	2.00
4	20	0	0.2	2	2.08	2.14	2.00	2.07	2.11	2.00

4	200	0	0.2	2	2.09	2.14	2.00	2.07	2.11	2.00
4	1000	0	0.2	2	2.09	2.15	2.00	2.08	2.12	2.00
20	4	0	0.2	2	2.03	2.16	2.00	2.03	2.10	2.00
20	20	0	0.2	2	2.02	2.15	2.00	2.02	2.09	2.00
20	200	0	0.2	2	2.02	2.15	2.00	2.02	2.09	2.00
20	1000	0	0.2	2	2.02	2.15	2.00	2.02	2.10	2.00
50	4	0	0.2	2	2.01	2.14	2.00	2.01	2.09	2.00
50	20	0	0.2	2	2.01	2.15	2.00	2.01	2.09	2.00
50	200	0	0.2	2	2.01	2.15	2.00	2.01	2.09	2.00
50	1000	0	0.2	2	2.01	2.15	2.00	2.01	2.09	2.00
100	4	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
100	20	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
100	200	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
100	1000	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
200	4	0	0.2	2	2.00	2.14	2.00	2.00	2.09	2.00
200	20	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
200	200	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
200	1000	0	0.2	2	2.00	2.15	2.00	2.00	2.09	2.00
4	4	0.5	0.2	2	2.13	2.15	2.00	2.12	2.15	2.00
4	20	0.5	0.2	2	2.12	2.14	2.00	2.12	2.14	2.00
4	200	0.5	0.2	2	2.11	2.15	2.00	2.11	2.14	2.00
4	1000	0.5	0.2	2	2.11	2.15	2.00	2.11	2.14	2.00
20	4	0.5	0.2	2	2.04	2.14	2.00	2.07	2.13	2.00
20	20	0.5	0.2	2	2.04	2.15	2.00	2.06	2.13	2.00
20	200	0.5	0.2	2	2.04	2.15	2.00	2.06	2.13	2.00
20	1000	0.5	0.2	2	2.04	2.15	2.00	2.06	2.13	2.00
50	4	0.5	0.2	2	2.02	2.15	2.00	2.04	2.14	2.00
50	20	0.5	0.2	2	2.02	2.15	2.00	2.04	2.13	2.00
50	200	0.5	0.2	2	2.02	2.15	2.00	2.04	2.13	2.00
50	1000	0.5	0.2	2	2.02	2.15	2.00	2.04	2.13	2.00
100	4	0.5	0.2	2	2.01	2.15	2.00	2.02	2.13	2.00
100	20	0.5	0.2	2	2.01	2.15	2.00	2.02	2.13	2.00
100	200	0.5	0.2	2	2.01	2.15	2.00	2.02	2.13	2.00
100	1000	0.5	0.2	2	2.01	2.15	2.00	2.02	2.13	2.00
200	4	0.5	0.2	2	2.00	2.15	2.00	2.01	2.13	2.00
200	20	0.5	0.2	2	2.00	2.15	2.00	2.01	2.13	2.00
200	200	0.5	0.2	2	2.00	2.15	2.00	2.01	2.13	2.00
200	1000	0.5	0.2	2	2.00	2.15	2.00	2.01	2.13	2.00

4	4	0	0.5	2	2.24	2.35	2.00	2.22	2.30	2.00
4	20	0	0.5	2	2.22	2.36	2.00	2.19	2.30	2.00
4	200	0	0.5	2	2.21	2.35	2.00	2.18	2.29	2.00
4	1000	0	0.5	2	2.21	2.35	2.00	2.19	2.29	2.00
20	4	0	0.5	2	2.06	2.35	2.00	2.06	2.22	2.00
20	20	0	0.5	2	2.05	2.35	2.00	2.05	2.23	2.00
20	200	0	0.5	2	2.05	2.35	2.00	2.05	2.23	2.00
20	1000	0	0.5	2	2.05	2.35	2.00	2.05	2.23	2.00
50	4	0	0.5	2	2.03	2.35	2.00	2.03	2.23	2.00
50	20	0	0.5	2	2.02	2.35	2.00	2.02	2.23	2.00
50	200	0	0.5	2	2.02	2.35	2.00	2.02	2.23	2.00
50	1000	0	0.5	2	2.02	2.35	2.00	2.02	2.23	2.00
100	4	0	0.5	2	2.01	2.36	2.00	2.01	2.23	2.00
100	20	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
100	200	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
100	1000	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
200	4	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
200	20	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
200	200	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
200	1000	0	0.5	2	2.01	2.35	2.00	2.01	2.22	2.00
4	4	0.5	0.5	2	2.27	2.35	2.00	2.26	2.33	2.00
4	20	0.5	0.5	2	2.28	2.36	2.00	2.28	2.35	2.00
4	200	0.5	0.5	2	2.27	2.35	2.00	2.27	2.34	2.00
4	1000	0.5	0.5	2	2.27	2.35	2.00	2.27	2.34	2.00
20	4	0.5	0.5	2	2.11	2.36	2.00	2.20	2.34	2.01
20	20	0.5	0.5	2	2.09	2.35	2.00	2.16	2.33	2.00
20	200	0.5	0.5	2	2.09	2.35	2.00	2.16	2.33	2.00
20	1000	0.5	0.5	2	2.09	2.35	2.00	2.16	2.33	2.00
50	4	0.5	0.5	2	2.05	2.36	2.00	2.15	2.33	2.00
50	20	0.5	0.5	2	2.04	2.35	2.00	2.12	2.33	2.00
50	200	0.5	0.5	2	2.04	2.35	2.00	2.11	2.33	2.00
50	1000	0.5	0.5	2	2.04	2.35	2.00	2.11	2.33	2.00
100	4	0.5	0.5	2	2.02	2.35	2.00	2.11	2.33	2.00
100	20	0.5	0.5	2	2.02	2.35	2.00	2.07	2.33	2.00
100	200	0.5	0.5	2	2.02	2.35	2.00	2.06	2.33	2.00
100	1000	0.5	0.5	2	2.02	2.35	2.00	2.06	2.33	2.00
200	4	0.5	0.5	2	2.01	2.35	2.00	2.05	2.33	2.00
200	20	0.5	0.5	2	2.01	2.35	2.00	2.04	2.33	2.00

200	200	0.5	0.5	2	2.01	2.35	2.00	2.03	2.33	2.00
200	1000	0.5	0.5	2	2.01	2.35	2.00	2.03	2.33	2.00
4	4	0	0.8	2	2.32	2.50	2.00	2.28	2.45	2.00
4	20	0	0.8	2	2.31	2.52	2.00	2.27	2.46	2.00
4	200	0	0.8	2	2.31	2.52	2.00	2.28	2.46	2.00
4	1000	0	0.8	2	2.31	2.52	2.00	2.28	2.46	2.00
20	4	0	0.8	2	2.08	2.51	2.00	2.09	2.36	2.00
20	20	0	0.8	2	2.08	2.52	2.00	2.08	2.37	2.00
20	200	0	0.8	2	2.07	2.52	2.00	2.07	2.37	2.00
20	1000	0	0.8	2	2.07	2.52	2.00	2.07	2.37	2.00
50	4	0	0.8	2	2.04	2.51	2.00	2.04	2.35	2.00
50	20	0	0.8	2	2.03	2.52	2.00	2.03	2.36	2.00
50	200	0	0.8	2	2.03	2.52	2.00	2.03	2.36	2.00
50	1000	0	0.8	2	2.03	2.52	2.00	2.03	2.36	2.00
100	4	0	0.8	2	2.02	2.52	2.00	2.02	2.35	2.00
100	20	0	0.8	2	2.02	2.52	2.00	2.02	2.35	2.00
100	200	0	0.8	2	2.02	2.52	2.00	2.02	2.35	2.00
100	1000	0	0.8	2	2.02	2.52	2.00	2.02	2.35	2.00
200	4	0	0.8	2	2.01	2.52	2.00	2.01	2.35	2.00
200	20	0	0.8	2	2.01	2.52	2.00	2.01	2.35	2.00
200	200	0	0.8	2	2.01	2.52	2.00	2.01	2.35	2.00
200	1000	0	0.8	2	2.01	2.52	2.00	2.01	2.35	2.00
4	4	0.5	0.8	2	2.42	2.52	2.00	2.42	2.53	2.00
4	20	0.5	0.8	2	2.40	2.51	2.00	2.40	2.52	2.00
4	200	0.5	0.8	2	2.40	2.52	2.00	2.40	2.53	2.00
4	1000	0.5	0.8	2	2.40	2.52	2.00	2.40	2.53	2.00
20	4	0.5	0.8	2	2.15	2.52	2.00	2.33	2.54	2.00
20	20	0.5	0.8	2	2.14	2.52	2.00	2.28	2.54	2.00
20	200	0.5	0.8	2	2.13	2.52	2.00	2.28	2.54	2.00
20	1000	0.5	0.8	2	2.13	2.52	2.00	2.28	2.54	2.00
50	4	0.5	0.8	2	2.07	2.52	2.00	2.33	2.55	2.01
50	20	0.5	0.8	2	2.06	2.52	2.00	2.28	2.55	2.00
50	200	0.5	0.8	2	2.06	2.52	2.00	2.27	2.54	2.00
50	1000	0.5	0.8	2	2.06	2.52	2.00	2.27	2.54	2.00
100	4	0.5	0.8	2	2.04	2.52	2.00	2.32	2.55	2.01
100	20	0.5	0.8	2	2.03	2.52	2.00	2.30	2.55	2.00
100	200	0.5	0.8	2	2.03	2.52	2.00	2.29	2.55	2.00
100	1000	0.5	0.8	2	2.03	2.52	2.00	2.29	2.55	2.00

200	4	0.5	0.8	2	2.02	2.52	2.00	2.27	2.55	2.01
200	20	0.5	0.8	2	2.02	2.52	2.00	2.23	2.55	2.00
200	200	0.5	0.8	2	2.02	2.52	2.00	2.25	2.55	2.00
200	1000	0.5	0.8	2	2.02	2.52	2.00	2.28	2.55	2.00
4	4	0	-0.2	2	1.91	1.86	2.00	1.93	1.88	2.00
4	20	0	-0.2	2	1.92	1.86	2.00	1.93	1.89	2.00
4	200	0	-0.2	2	1.91	1.85	2.00	1.92	1.88	2.00
4	1000	0	-0.2	2	1.91	1.85	2.00	1.92	1.88	2.00
20	4	0	-0.2	2	1.97	1.86	2.00	1.97	1.91	2.00
20	20	0	-0.2	2	1.98	1.85	2.00	1.98	1.90	2.00
20	200	0	-0.2	2	1.98	1.85	2.00	1.98	1.90	2.00
20	1000	0	-0.2	2	1.98	1.85	2.00	1.98	1.91	2.00
50	4	0	-0.2	2	1.99	1.84	2.00	1.99	1.90	2.00
50	20	0	-0.2	2	1.99	1.85	2.00	1.99	1.91	2.00
50	200	0	-0.2	2	1.99	1.85	2.00	1.99	1.91	2.00
50	1000	0	-0.2	2	1.99	1.85	2.00	1.99	1.91	2.00
100	4	0	-0.2	2	1.99	1.85	2.00	1.99	1.91	2.00
100	20	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
100	200	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
100	1000	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
200	4	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
200	20	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
200	200	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
200	1000	0	-0.2	2	2.00	1.85	2.00	2.00	1.91	2.00
4	4	0.5	-0.2	2	1.91	1.87	2.00	1.91	1.88	2.00
4	20	0.5	-0.2	2	1.87	1.84	2.00	1.87	1.85	2.00
4	200	0.5	-0.2	2	1.89	1.85	2.00	1.89	1.86	2.00
4	1000	0.5	-0.2	2	1.88	1.85	2.00	1.89	1.86	2.00
20	4	0.5	-0.2	2	1.96	1.84	2.00	1.93	1.86	2.00
20	20	0.5	-0.2	2	1.96	1.85	2.00	1.94	1.87	2.00
20	200	0.5	-0.2	2	1.96	1.85	2.00	1.94	1.87	2.00
20	1000	0.5	-0.2	2	1.96	1.85	2.00	1.94	1.87	2.00
50	4	0.5	-0.2	2	1.98	1.85	2.00	1.96	1.87	2.00
50	20	0.5	-0.2	2	1.98	1.85	2.00	1.96	1.87	2.00
50	200	0.5	-0.2	2	1.98	1.85	2.00	1.96	1.87	2.00
50	1000	0.5	-0.2	2	1.98	1.85	2.00	1.96	1.87	2.00
100	4	0.5	-0.2	2	1.99	1.85	2.00	1.97	1.87	2.00
100	20	0.5	-0.2	2	1.99	1.85	2.00	1.98	1.87	2.00

100	200	0.5	-0.2	2	1.99	1.85	2.00	1.98	1.87	2.00
100	1000	0.5	-0.2	2	1.99	1.85	2.00	1.98	1.87	2.00
200	4	0.5	-0.2	2	1.99	1.85	2.00	1.98	1.87	2.00
200	20	0.5	-0.2	2	2.00	1.85	2.00	1.99	1.87	2.00
200	200	0.5	-0.2	2	2.00	1.85	2.00	1.99	1.87	2.00
200	1000	0.5	-0.2	2	2.00	1.85	2.00	1.99	1.87	2.00
4	4	0	-0.5	2	1.77	1.65	2.00	1.80	1.68	2.00
4	20	0	-0.5	2	1.79	1.66	2.00	1.81	1.71	2.00
4	200	0	-0.5	2	1.79	1.64	2.00	1.81	1.70	2.00
4	1000	0	-0.5	2	1.79	1.65	2.00	1.82	1.71	2.00
20	4	0	-0.5	2	1.94	1.65	2.00	1.94	1.77	2.00
20	20	0	-0.5	2	1.95	1.65	2.00	1.95	1.76	2.00
20	200	0	-0.5	2	1.95	1.65	2.00	1.95	1.77	2.00
20	1000	0	-0.5	2	1.95	1.65	2.00	1.95	1.77	2.00
50	4	0	-0.5	2	1.97	1.65	2.00	1.98	1.77	2.00
50	20	0	-0.5	2	1.98	1.65	2.00	1.98	1.77	2.00
50	200	0	-0.5	2	1.98	1.65	2.00	1.98	1.77	2.00
50	1000	0	-0.5	2	1.98	1.65	2.00	1.98	1.77	2.00
100	4	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
100	20	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
100	200	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
100	1000	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
200	4	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
200	20	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
200	200	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
200	1000	0	-0.5	2	1.99	1.65	2.00	1.99	1.78	2.00
4	4	0.5	-0.5	2	1.70	1.64	2.00	1.71	1.65	2.00
4	20	0.5	-0.5	2	1.73	1.65	2.00	1.73	1.67	2.00
4	200	0.5	-0.5	2	1.72	1.64	2.00	1.73	1.66	2.00
4	1000	0.5	-0.5	2	1.73	1.65	2.00	1.73	1.66	2.00
20	4	0.5	-0.5	2	1.90	1.65	2.00	1.81	1.67	2.00
20	20	0.5	-0.5	2	1.90	1.65	2.00	1.83	1.67	2.00
20	200	0.5	-0.5	2	1.91	1.65	2.00	1.84	1.67	2.00
20	1000	0.5	-0.5	2	1.91	1.65	2.00	1.84	1.67	2.00
50	4	0.5	-0.5	2	1.96	1.65	2.00	1.85	1.67	2.00
50	20	0.5	-0.5	2	1.96	1.65	2.00	1.88	1.67	2.00
50	200	0.5	-0.5	2	1.96	1.65	2.00	1.89	1.67	2.00
50	1000	0.5	-0.5	2	1.96	1.65	2.00	1.89	1.67	2.00

100	4	0.5	-0.5	2	1.98	1.65	2.00	1.87	1.67	2.00
100	20	0.5	-0.5	2	1.98	1.65	2.00	1.93	1.67	2.00
100	200	0.5	-0.5	2	1.98	1.65	2.00	1.94	1.67	2.00
100	1000	0.5	-0.5	2	1.98	1.65	2.00	1.94	1.67	2.00
200	4	0.5	-0.5	2	1.99	1.65	2.00	1.94	1.67	2.00
200	20	0.5	-0.5	2	1.99	1.65	2.00	1.96	1.67	2.00
200	200	0.5	-0.5	2	1.99	1.65	2.00	1.97	1.67	2.00
200	1000	0.5	-0.5	2	1.99	1.65	2.00	1.97	1.67	2.00
4	4	0	-0.8	2	1.68	1.48	2.00	1.71	1.52	2.00
4	20	0	-0.8	2	1.68	1.48	2.00	1.72	1.54	2.00
4	200	0	-0.8	2	1.69	1.48	2.00	1.72	1.54	2.00
4	1000	0	-0.8	2	1.69	1.48	2.00	1.72	1.54	2.00
20	4	0	-0.8	2	1.91	1.48	2.00	1.91	1.62	2.00
20	20	0	-0.8	2	1.93	1.49	2.00	1.93	1.63	2.00
20	200	0	-0.8	2	1.93	1.48	2.00	1.93	1.63	2.00
20	1000	0	-0.8	2	1.93	1.48	2.00	1.93	1.63	2.00
50	4	0	-0.8	2	1.96	1.48	2.00	1.96	1.64	2.00
50	20	0	-0.8	2	1.97	1.48	2.00	1.97	1.64	2.00
50	200	0	-0.8	2	1.97	1.48	2.00	1.97	1.64	2.00
50	1000	0	-0.8	2	1.97	1.48	2.00	1.97	1.64	2.00
100	4	0	-0.8	2	1.98	1.48	2.00	1.98	1.64	2.00
100	20	0	-0.8	2	1.98	1.49	2.00	1.98	1.65	2.00
100	200	0	-0.8	2	1.98	1.48	2.00	1.98	1.65	2.00
100	1000	0	-0.8	2	1.98	1.48	2.00	1.98	1.65	2.00
200	4	0	-0.8	2	1.99	1.48	2.00	1.99	1.65	2.00
200	20	0	-0.8	2	1.99	1.48	2.00	1.99	1.65	2.00
200	200	0	-0.8	2	1.99	1.48	2.00	1.99	1.65	2.00
200	1000	0	-0.8	2	1.99	1.48	2.00	1.99	1.65	2.00
4	4	0.5	-0.8	2	1.60	1.49	2.00	1.60	1.47	2.00
4	20	0.5	-0.8	2	1.60	1.48	2.00	1.60	1.47	2.00
4	200	0.5	-0.8	2	1.60	1.48	2.00	1.60	1.47	2.00
4	1000	0.5	-0.8	2	1.60	1.48	2.00	1.60	1.47	2.00
20	4	0.5	-0.8	2	1.84	1.48	2.00	1.67	1.45	2.00
20	20	0.5	-0.8	2	1.86	1.48	2.00	1.71	1.46	2.00
20	200	0.5	-0.8	2	1.87	1.48	2.00	1.72	1.46	2.00
20	1000	0.5	-0.8	2	1.87	1.48	2.00	1.73	1.46	2.00
50	4	0.5	-0.8	2	1.93	1.48	2.00	1.67	1.46	1.99
50	20	0.5	-0.8	2	1.94	1.48	2.00	1.72	1.45	2.00

50	200	0.5	-0.8	2	1.94	1.48	2.00	1.73	1.45	2.00
50	1000	0.5	-0.8	2	1.94	1.48	2.00	1.73	1.45	2.00
100	4	0.5	-0.8	2	1.96	1.49	2.00	1.67	1.46	1.99
100	20	0.5	-0.8	2	1.97	1.48	2.00	1.70	1.45	2.00
100	200	0.5	-0.8	2	1.97	1.48	2.00	1.71	1.45	2.00
100	1000	0.5	-0.8	2	1.97	1.48	2.00	1.71	1.45	2.00
200	4	0.5	-0.8	2	1.98	1.48	2.00	1.73	1.45	2.00
200	20	0.5	-0.8	2	1.98	1.48	2.00	1.78	1.45	2.00
200	200	0.5	-0.8	2	1.98	1.48	2.00	1.77	1.45	2.00
200	1000	0.5	-0.8	2	1.98	1.48	2.00	1.71	1.45	2.00
4	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00

50	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	20	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	200	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	1000	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
20	4	0	0.2	8	2.01	2.03	2.00	2.00	2.02	2.00
20	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
20	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
20	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	20	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	200	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	1000	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
20	4	0.5	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	20	0.5	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00

20	200	0.5	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
20	1000	0.5	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
50	4	0.5	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
50	20	0.5	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
50	200	0.5	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
50	1000	0.5	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	4	0.5	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
100	20	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0.5	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
100	1000	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0	0.5	8	2.05	2.07	2.00	2.04	2.06	2.00
4	20	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	200	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	1000	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
20	4	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
20	20	0	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
20	200	0	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
20	1000	0	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
50	4	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
50	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
50	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
50	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	4	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	4	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
4	4	0.5	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
4	20	0.5	0.5	8	2.06	2.07	2.00	2.05	2.07	2.00
4	200	0.5	0.5	8	2.05	2.07	2.00	2.05	2.07	2.00
4	1000	0.5	0.5	8	2.05	2.07	2.00	2.05	2.07	2.00

20	4	0.5	0.5	8	2.02	2.07	2.00	2.04	2.06	2.00
20	20	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
20	200	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
20	1000	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
50	4	0.5	0.5	8	2.01	2.07	2.00	2.02	2.06	2.00
50	20	0.5	0.5	8	2.01	2.07	2.00	2.02	2.06	2.00
50	200	0.5	0.5	8	2.01	2.07	2.00	2.02	2.06	2.00
50	1000	0.5	0.5	8	2.01	2.07	2.00	2.02	2.06	2.00
100	4	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	20	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	200	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	1000	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
200	4	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
200	20	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
200	200	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
200	1000	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
4	4	0	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	20	0	0.8	8	2.07	2.11	2.00	2.06	2.10	2.00
4	200	0	0.8	8	2.07	2.11	2.00	2.06	2.09	2.00
4	1000	0	0.8	8	2.07	2.11	2.00	2.06	2.09	2.00
20	4	0	0.8	8	2.02	2.11	2.00	2.02	2.07	2.00
20	20	0	0.8	8	2.02	2.11	2.00	2.02	2.07	2.00
20	200	0	0.8	8	2.02	2.11	2.00	2.02	2.07	2.00
20	1000	0	0.8	8	2.02	2.11	2.00	2.02	2.07	2.00
50	4	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
50	20	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
50	200	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
50	1000	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
100	4	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	20	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	200	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	1000	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	4	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	20	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	200	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	1000	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
4	4	0.5	0.8	8	2.09	2.11	2.00	2.09	2.11	2.00
4	20	0.5	0.8	8	2.09	2.11	2.00	2.09	2.11	2.00

4	200	0.5	0.8	8	2.09	2.11	2.00	2.09	2.11	2.00
4	1000	0.5	0.8	8	2.09	2.11	2.00	2.09	2.11	2.00
20	4	0.5	0.8	8	2.03	2.11	2.00	2.06	2.10	2.00
20	20	0.5	0.8	8	2.03	2.11	2.00	2.05	2.10	2.00
20	200	0.5	0.8	8	2.03	2.11	2.00	2.05	2.11	2.00
20	1000	0.5	0.8	8	2.03	2.11	2.00	2.05	2.11	2.00
50	4	0.5	0.8	8	2.01	2.11	2.00	2.05	2.10	2.00
50	20	0.5	0.8	8	2.01	2.11	2.00	2.04	2.11	2.00
50	200	0.5	0.8	8	2.01	2.11	2.00	2.04	2.11	2.00
50	1000	0.5	0.8	8	2.01	2.11	2.00	2.04	2.10	2.00
100	4	0.5	0.8	8	2.01	2.11	2.00	2.05	2.11	2.00
100	20	0.5	0.8	8	2.01	2.11	2.00	2.03	2.10	2.00
100	200	0.5	0.8	8	2.01	2.11	2.00	2.02	2.10	2.00
100	1000	0.5	0.8	8	2.01	2.11	2.00	2.02	2.10	2.00
200	4	0.5	0.8	8	2.00	2.11	2.00	2.03	2.10	2.00
200	20	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
200	200	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
200	1000	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
4	4	0	-0.2	8	1.98	1.98	2.00	1.98	1.98	2.00
4	20	0	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	200	0	-0.2	8	1.98	1.97	2.00	1.99	1.98	2.00
4	1000	0	-0.2	8	1.98	1.97	2.00	1.99	1.98	2.00
20	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
20	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
20	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
20	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00

4	4	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
4	20	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	200	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	1000	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
20	4	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
20	20	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
20	200	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
20	1000	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
50	4	0.5	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
50	20	0.5	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
50	200	0.5	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
50	1000	0.5	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
100	4	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
100	200	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
200	20	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	200	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
4	4	0	-0.5	8	1.96	1.93	2.00	1.96	1.94	2.00
4	20	0	-0.5	8	1.96	1.93	2.00	1.96	1.95	2.00
4	200	0	-0.5	8	1.96	1.93	2.00	1.96	1.94	2.00
4	1000	0	-0.5	8	1.96	1.93	2.00	1.96	1.94	2.00
20	4	0	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
20	20	0	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
20	200	0	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
20	1000	0	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
50	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00

200	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
4	4	0.5	-0.5	8	1.95	1.93	2.00	1.94	1.93	2.00
4	20	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
4	200	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
4	1000	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
20	4	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.93	2.00
20	20	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
20	200	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
20	1000	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
50	4	0.5	-0.5	8	1.99	1.93	2.00	1.98	1.94	2.00
50	20	0.5	-0.5	8	1.99	1.93	2.00	1.98	1.94	2.00
50	200	0.5	-0.5	8	1.99	1.93	2.00	1.98	1.94	2.00
50	1000	0.5	-0.5	8	1.99	1.93	2.00	1.98	1.94	2.00
100	4	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	20	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	200	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	1000	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
200	4	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
200	20	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
200	200	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
200	1000	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
4	4	0	-0.8	8	1.92	1.89	2.00	1.93	1.90	2.00
4	20	0	-0.8	8	1.93	1.89	2.00	1.94	1.91	2.00
4	200	0	-0.8	8	1.93	1.89	2.00	1.94	1.91	2.00
4	1000	0	-0.8	8	1.93	1.89	2.00	1.94	1.91	2.00
20	4	0	-0.8	8	1.98	1.89	2.00	1.98	1.92	2.00
20	20	0	-0.8	8	1.98	1.89	2.00	1.98	1.93	2.00
20	200	0	-0.8	8	1.98	1.89	2.00	1.98	1.93	2.00
20	1000	0	-0.8	8	1.98	1.89	2.00	1.98	1.93	2.00
50	4	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
50	20	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
50	200	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
50	1000	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
100	4	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	20	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	200	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	1000	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00

200	4	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	20	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	200	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	1000	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
4	4	0.5	-0.8	8	1.91	1.89	2.00	1.91	1.89	2.00
4	20	0.5	-0.8	8	1.91	1.89	2.00	1.91	1.89	2.00
4	200	0.5	-0.8	8	1.91	1.89	2.00	1.91	1.89	2.00
4	1000	0.5	-0.8	8	1.91	1.89	2.00	1.91	1.89	2.00
20	4	0.5	-0.8	8	1.97	1.89	2.00	1.94	1.90	2.00
20	20	0.5	-0.8	8	1.97	1.89	2.00	1.95	1.89	2.00
20	200	0.5	-0.8	8	1.97	1.89	2.00	1.95	1.89	2.00
20	1000	0.5	-0.8	8	1.97	1.89	2.00	1.95	1.89	2.00
50	4	0.5	-0.8	8	1.99	1.89	2.00	1.95	1.89	2.00
50	20	0.5	-0.8	8	1.99	1.89	2.00	1.96	1.90	2.00
50	200	0.5	-0.8	8	1.99	1.89	2.00	1.96	1.90	2.00
50	1000	0.5	-0.8	8	1.99	1.89	2.00	1.96	1.90	2.00
100	4	0.5	-0.8	8	1.99	1.89	2.00	1.95	1.89	2.00
100	20	0.5	-0.8	8	1.99	1.89	2.00	1.97	1.90	2.00
100	200	0.5	-0.8	8	1.99	1.89	2.00	1.98	1.90	2.00
100	1000	0.5	-0.8	8	1.99	1.89	2.00	1.98	1.90	2.00
200	4	0.5	-0.8	8	2.00	1.89	2.00	1.98	1.90	2.00
200	20	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00
200	200	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00
200	1000	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00

Table A.4
The mean value of each estimator of β with drift: imposing (1.3.4)

T	n	ρ	δ	σ_x	FE	FD	LS
4	4	0.0	0.0	1	1.98	1.98	2.00
4	20	0.0	0.0	1	1.99	1.99	2.00
4	200	0.0	0.0	1	2.00	2.00	2.00
4	1000	0.0	0.0	1	2.00	2.00	2.00
20	4	0.0	0.0	1	2.00	2.00	2.00
20	20	0.0	0.0	1	2.00	2.00	2.00
20	200	0.0	0.0	1	2.00	2.00	2.00

20	1000	0.0	0.0	1	2.00	2.00	2.00
50	4	0.0	0.0	1	2.00	2.00	2.00
50	20	0.0	0.0	1	2.00	2.00	2.00
50	200	0.0	0.0	1	2.00	2.00	2.00
50	1000	0.0	0.0	1	2.00	2.00	2.00
100	4	0.0	0.0	1	2.00	2.00	2.00
100	20	0.0	0.0	1	2.00	2.00	2.00
100	200	0.0	0.0	1	2.00	2.00	2.00
100	1000	0.0	0.0	1	2.00	2.00	2.00
200	4	0.0	0.0	1	2.00	2.00	2.00
200	20	0.0	0.0	1	2.00	2.00	2.00
200	200	0.0	0.0	1	2.00	2.00	2.00
200	1000	0.0	0.0	1	2.00	2.00	2.00
4	4	0.0	0.2	1	2.08	2.21	2.00
4	20	0.0	0.2	1	2.08	2.20	2.00
4	200	0.0	0.2	1	2.08	2.20	2.00
4	1000	0.0	0.2	1	2.08	2.20	2.00
20	4	0.0	0.2	1	2.01	2.20	2.00
20	20	0.0	0.2	1	2.01	2.19	2.00
20	200	0.0	0.2	1	2.01	2.20	2.00
20	1000	0.0	0.2	1	2.01	2.20	2.00
50	4	0.0	0.2	1	2.00	2.20	2.00
50	20	0.0	0.2	1	2.00	2.20	2.00
50	200	0.0	0.2	1	2.00	2.20	2.00
50	1000	0.0	0.2	1	2.00	2.20	2.00
100	4	0.0	0.2	1	2.00	2.19	2.00
100	20	0.0	0.2	1	2.00	2.20	2.00
100	200	0.0	0.2	1	2.00	2.20	2.00
100	1000	0.0	0.2	1	2.00	2.20	2.00
200	4	0.0	0.2	1	2.00	2.20	2.00
200	20	0.0	0.2	1	2.00	2.20	2.00
200	200	0.0	0.2	1	2.00	2.20	2.00
200	1000	0.0	0.2	1	2.00	2.20	2.00
4	4	0.0	0.5	1	2.20	2.46	2.00
4	20	0.0	0.5	1	2.17	2.44	2.00
4	200	0.0	0.5	1	2.18	2.45	2.00
4	1000	0.0	0.5	1	2.19	2.45	2.00
20	4	0.0	0.5	1	2.01	2.45	2.00

20	20	0.0	0.5	1	2.01	2.45	2.00
20	200	0.0	0.5	1	2.01	2.44	2.00
20	1000	0.0	0.5	1	2.01	2.44	2.00
50	4	0.0	0.5	1	2.00	2.44	2.00
50	20	0.0	0.5	1	2.00	2.44	2.00
50	200	0.0	0.5	1	2.00	2.44	2.00
50	1000	0.0	0.5	1	2.00	2.44	2.00
100	4	0.0	0.5	1	2.00	2.45	2.00
100	20	0.0	0.5	1	2.00	2.44	2.00
100	200	0.0	0.5	1	2.00	2.45	2.00
100	1000	0.0	0.5	1	2.00	2.44	2.00
200	4	0.0	0.5	1	2.00	2.44	2.00
200	20	0.0	0.5	1	2.00	2.44	2.00
200	200	0.0	0.5	1	2.00	2.44	2.00
200	1000	0.0	0.5	1	2.00	2.44	2.00
4	4	0.0	0.8	1	2.29	2.62	2.00
4	20	0.0	0.8	1	2.27	2.62	2.00
4	200	0.0	0.8	1	2.26	2.60	2.00
4	1000	0.0	0.8	1	2.26	2.61	2.00
20	4	0.0	0.8	1	2.02	2.60	2.00
20	20	0.0	0.8	1	2.02	2.60	2.00
20	200	0.0	0.8	1	2.02	2.60	2.00
20	1000	0.0	0.8	1	2.02	2.61	2.00
50	4	0.0	0.8	1	2.00	2.61	2.00
50	20	0.0	0.8	1	2.00	2.61	2.00
50	200	0.0	0.8	1	2.00	2.61	2.00
50	1000	0.0	0.8	1	2.00	2.61	2.00
100	4	0.0	0.8	1	2.00	2.61	2.00
100	20	0.0	0.8	1	2.00	2.61	2.00
100	200	0.0	0.8	1	2.00	2.61	2.00
100	1000	0.0	0.8	1	2.00	2.61	2.00
200	4	0.0	0.8	1	2.00	2.60	2.00
200	20	0.0	0.8	1	2.00	2.61	2.00
200	200	0.0	0.8	1	2.00	2.61	2.00
200	1000	0.0	0.8	1	2.00	2.61	2.00
4	4	0.0	-0.2	1	1.92	1.80	2.00
4	20	0.0	-0.2	1	1.91	1.79	2.00
4	200	0.0	-0.2	1	1.92	1.81	2.00

4	1000	0.0	-0.2	1	1.92	1.80	2.00
20	4	0.0	-0.2	1	2.00	1.80	2.00
20	20	0.0	-0.2	1	2.00	1.81	2.00
20	200	0.0	-0.2	1	1.99	1.80	2.00
20	1000	0.0	-0.2	1	1.99	1.80	2.00
50	4	0.0	-0.2	1	2.00	1.80	2.00
50	20	0.0	-0.2	1	2.00	1.80	2.00
50	200	0.0	-0.2	1	2.00	1.80	2.00
50	1000	0.0	-0.2	1	2.00	1.80	2.00
100	4	0.0	-0.2	1	2.00	1.81	2.00
100	20	0.0	-0.2	1	2.00	1.80	2.00
100	200	0.0	-0.2	1	2.00	1.80	2.00
100	1000	0.0	-0.2	1	2.00	1.80	2.00
200	4	0.0	-0.2	1	2.00	1.80	2.00
200	20	0.0	-0.2	1	2.00	1.80	2.00
200	200	0.0	-0.2	1	2.00	1.80	2.00
200	1000	0.0	-0.2	1	2.00	1.80	2.00
4	4	0.0	-0.5	1	1.80	1.55	2.00
4	20	0.0	-0.5	1	1.81	1.55	2.00
4	200	0.0	-0.5	1	1.82	1.56	2.00
4	1000	0.0	-0.5	1	1.82	1.56	2.00
20	4	0.0	-0.5	1	1.99	1.56	2.00
20	20	0.0	-0.5	1	1.99	1.56	2.00
20	200	0.0	-0.5	1	1.99	1.55	2.00
20	1000	0.0	-0.5	1	1.99	1.56	2.00
50	4	0.0	-0.5	1	2.00	1.55	2.00
50	20	0.0	-0.5	1	2.00	1.55	2.00
50	200	0.0	-0.5	1	2.00	1.56	2.00
50	1000	0.0	-0.5	1	2.00	1.56	2.00
100	4	0.0	-0.5	1	2.00	1.55	2.00
100	20	0.0	-0.5	1	2.00	1.56	2.00
100	200	0.0	-0.5	1	2.00	1.56	2.00
100	1000	0.0	-0.5	1	2.00	1.56	2.00
200	4	0.0	-0.5	1	2.00	1.56	2.00
200	20	0.0	-0.5	1	2.00	1.56	2.00
200	200	0.0	-0.5	1	2.00	1.55	2.00
200	1000	0.0	-0.5	1	2.00	1.56	2.00
4	4	0.0	-0.8	1	1.74	1.39	2.00

4	20	0.0	-0.8	1	1.73	1.39	2.00
4	200	0.0	-0.8	1	1.73	1.39	2.00
4	1000	0.0	-0.8	1	1.74	1.39	2.00
20	4	0.0	-0.8	1	1.98	1.40	2.00
20	20	0.0	-0.8	1	1.98	1.39	2.00
20	200	0.0	-0.8	1	1.98	1.39	2.00
20	1000	0.0	-0.8	1	1.98	1.39	2.00
50	4	0.0	-0.8	1	2.00	1.39	2.00
50	20	0.0	-0.8	1	2.00	1.39	2.00
50	200	0.0	-0.8	1	2.00	1.39	2.00
50	1000	0.0	-0.8	1	2.00	1.39	2.00
100	4	0.0	-0.8	1	2.00	1.39	2.00
100	20	0.0	-0.8	1	2.00	1.40	2.00
100	200	0.0	-0.8	1	2.00	1.39	2.00
100	1000	0.0	-0.8	1	2.00	1.39	2.00
200	4	0.0	-0.8	1	2.00	1.40	2.00
200	20	0.0	-0.8	1	2.00	1.39	2.00
200	200	0.0	-0.8	1	2.00	1.39	2.00
200	1000	0.0	-0.8	1	2.00	1.39	2.00

Table A.5
The mean value of each estimator of β with drift: imposing (1.3.5)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	2.04	2.03	2.00	2.04	2.04	2.00
4	20	0.2	0.0	1	2.01	2.01	2.00	2.01	2.00	2.00
4	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

100	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	1	2.01	2.01	2.00	2.01	2.01	2.00
4	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	1	2.00	1.99	2.00	1.99	1.99	2.00
20	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.0	0.0	1	2.01	2.01	2.00	2.02	2.01	2.00
4	20	0.0	0.0	1	2.00	2.01	2.00	2.00	2.01	2.00
4	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

50	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	1	2.00	2.00	2.00	2.01	2.01	2.00
4	20	0.5	0.0	1	2.01	2.01	2.00	2.01	2.01	2.00
4	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	1	2.00	2.00	2.00	2.00	1.99	2.00
20	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

Table A.6
The mean value of each estimator of β with drift: imposing (1.3.6)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	2.01	2.02	2.00	2.01	2.03	2.00
4	20	0.2	0.0	1	1.99	1.99	2.00	1.99	1.99	2.00

4	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	1	1.98	1.98	2.00	1.99	1.97	2.00
4	20	0.8	0.0	1	2.00	1.99	2.00	2.00	2.00	2.00
4	200	0.8	0.0	1	2.01	2.00	2.00	2.01	2.01	2.00
4	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	1.99
20	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

4	4	0.2	0.2	1	2.07	2.19	2.00	2.06	2.14	2.00
4	20	0.2	0.2	1	2.09	2.20	2.00	2.08	2.14	2.00
4	200	0.2	0.2	1	2.09	2.20	2.00	2.09	2.14	2.00
4	1000	0.2	0.2	1	2.09	2.20	2.00	2.09	2.14	2.00
20	4	0.2	0.2	1	2.01	2.20	2.00	2.01	2.12	2.00
20	20	0.2	0.2	1	2.01	2.20	2.00	2.01	2.11	2.00
20	200	0.2	0.2	1	2.01	2.20	2.00	2.01	2.11	2.00
20	1000	0.2	0.2	1	2.01	2.20	2.00	2.01	2.11	2.00
50	4	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
50	20	0.2	0.2	1	2.00	2.19	2.00	2.00	2.11	2.00
50	200	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
50	1000	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
100	4	0.2	0.2	1	2.00	2.19	2.00	2.00	2.11	2.00
100	20	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
100	200	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
100	1000	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
200	4	0.2	0.2	1	2.00	2.19	2.00	2.00	2.11	2.00
200	20	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
200	200	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
200	1000	0.2	0.2	1	2.00	2.20	2.00	2.00	2.11	2.00
4	4	0.8	0.2	1	2.11	2.19	2.01	2.10	2.21	2.01
4	20	0.8	0.2	1	2.11	2.19	2.00	2.11	2.18	2.00
4	200	0.8	0.2	1	2.12	2.20	2.00	2.12	2.19	2.00
4	1000	0.8	0.2	1	2.12	2.20	2.00	2.12	2.19	2.00
20	4	0.8	0.2	1	2.01	2.19	2.00	2.02	2.18	2.01
20	20	0.8	0.2	1	2.02	2.20	2.00	2.02	2.19	2.00
20	200	0.8	0.2	1	2.02	2.20	2.00	2.02	2.18	2.00
20	1000	0.8	0.2	1	2.02	2.20	2.00	2.02	2.18	2.00
50	4	0.8	0.2	1	2.00	2.20	2.00	2.01	2.18	2.01
50	20	0.8	0.2	1	2.00	2.20	2.00	2.01	2.18	2.00
50	200	0.8	0.2	1	2.00	2.20	2.00	2.01	2.18	2.00
50	1000	0.8	0.2	1	2.00	2.20	2.00	2.01	2.18	2.00
100	4	0.8	0.2	1	2.00	2.19	2.00	2.00	2.18	2.00
100	20	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
100	200	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
100	1000	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
200	4	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
200	20	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00

200	200	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
200	1000	0.8	0.2	1	2.00	2.20	2.00	2.00	2.18	2.00
4	4	0.2	0.5	1	2.19	2.43	2.00	2.18	2.47	2.00
4	20	0.2	0.5	1	2.20	2.45	2.00	2.20	2.40	2.00
4	200	0.2	0.5	1	2.20	2.44	2.00	2.20	2.37	2.00
4	1000	0.2	0.5	1	2.20	2.44	2.00	2.20	2.37	2.00
20	4	0.2	0.5	1	2.02	2.44	2.00	2.02	2.30	2.00
20	20	0.2	0.5	1	2.02	2.45	2.00	2.02	2.29	2.00
20	200	0.2	0.5	1	2.02	2.44	2.00	2.02	2.29	2.00
20	1000	0.2	0.5	1	2.02	2.44	2.00	2.02	2.29	2.00
50	4	0.2	0.5	1	2.00	2.45	2.00	2.00	2.29	2.00
50	20	0.2	0.5	1	2.00	2.45	2.00	2.00	2.28	2.00
50	200	0.2	0.5	1	2.00	2.44	2.00	2.00	2.28	2.00
50	1000	0.2	0.5	1	2.00	2.44	2.00	2.00	2.28	2.00
100	4	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
100	20	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
100	200	0.2	0.5	1	2.00	2.44	2.00	2.00	2.28	2.00
100	1000	0.2	0.5	1	2.00	2.44	2.00	2.00	2.28	2.00
200	4	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
200	20	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
200	200	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
200	1000	0.2	0.5	1	2.00	2.44	2.00	2.00	2.27	2.00
4	4	0.8	0.5	1	2.25	2.44	2.00	2.24	2.65	2.00
4	20	0.8	0.5	1	2.28	2.44	2.01	2.28	2.66	2.01
4	200	0.8	0.5	1	2.28	2.44	2.00	2.28	2.69	2.00
4	1000	0.8	0.5	1	2.28	2.44	2.00	2.28	2.70	2.00
20	4	0.8	0.5	1	2.04	2.46	2.01	2.06	2.71	2.01
20	20	0.8	0.5	1	2.04	2.44	2.00	2.05	2.72	2.01
20	200	0.8	0.5	1	2.04	2.44	2.00	2.05	2.73	2.01
20	1000	0.8	0.5	1	2.04	2.44	2.00	2.05	2.73	2.01
50	4	0.8	0.5	1	2.01	2.44	2.00	2.02	2.71	2.01
50	20	0.8	0.5	1	2.01	2.45	2.00	2.02	2.74	2.01
50	200	0.8	0.5	1	2.01	2.44	2.00	2.02	2.73	2.01
50	1000	0.8	0.5	1	2.01	2.44	2.00	2.02	2.73	2.01
100	4	0.8	0.5	1	2.00	2.45	2.00	2.01	2.72	2.01
100	20	0.8	0.5	1	2.00	2.44	2.00	2.01	2.73	2.01
100	200	0.8	0.5	1	2.00	2.44	2.00	2.01	2.73	2.01
100	1000	0.8	0.5	1	2.00	2.44	2.00	2.01	2.73	2.01

200	4	0.8	0.5	1	2.00	2.45	2.00	2.00	2.74	2.00
200	20	0.8	0.5	1	2.00	2.45	2.00	2.00	2.73	2.00
200	200	0.8	0.5	1	2.00	2.44	2.00	2.00	2.73	2.00
200	1000	0.8	0.5	1	2.00	2.44	2.00	2.00	2.74	2.00
4	4	0.2	0.8	1	2.29	2.61	2.00	2.28	2.78	2.00
4	20	0.2	0.8	1	2.29	2.61	2.00	2.28	2.95	2.00
4	200	0.2	0.8	1	2.29	2.61	2.00	2.29	3.12	2.00
4	1000	0.2	0.8	1	2.29	2.61	2.00	2.29	3.13	2.00
20	4	0.2	0.8	1	2.02	2.61	2.00	2.03	3.03	2.00
20	20	0.2	0.8	1	2.02	2.61	2.00	2.03	3.20	2.00
20	200	0.2	0.8	1	2.02	2.60	2.00	2.03	3.29	2.00
20	1000	0.2	0.8	1	2.02	2.61	2.00	2.03	3.29	2.00
50	4	0.2	0.8	1	2.00	2.61	2.00	2.01	3.08	2.00
50	20	0.2	0.8	1	2.00	2.60	2.00	2.01	3.24	2.00
50	200	0.2	0.8	1	2.00	2.61	2.00	2.01	3.31	2.00
50	1000	0.2	0.8	1	2.00	2.61	2.00	2.01	3.31	2.00
100	4	0.2	0.8	1	2.00	2.61	2.00	2.00	3.17	2.00
100	20	0.2	0.8	1	2.00	2.61	2.00	2.00	3.29	2.00
100	200	0.2	0.8	1	2.00	2.61	2.00	2.00	3.31	2.00
100	1000	0.2	0.8	1	2.00	2.61	2.00	2.00	3.31	2.00
200	4	0.2	0.8	1	2.00	2.61	2.00	2.00	3.25	2.00
200	20	0.2	0.8	1	2.00	2.60	2.00	2.00	3.32	2.00
200	200	0.2	0.8	1	2.00	2.61	2.00	2.00	3.32	2.00
200	1000	0.2	0.8	1	2.00	2.61	2.00	2.00	3.32	2.00
4	4	0.8	0.8	1	2.39	2.60	2.00	2.39	2.99	2.01
4	20	0.8	0.8	1	2.39	2.60	2.01	2.39	3.03	2.01
4	200	0.8	0.8	1	2.40	2.61	2.00	2.40	3.03	2.01
4	1000	0.8	0.8	1	2.40	2.61	2.00	2.40	3.03	2.01
20	4	0.8	0.8	1	2.07	2.61	2.01	2.10	3.07	2.02
20	20	0.8	0.8	1	2.06	2.60	2.00	2.08	3.07	2.01
20	200	0.8	0.8	1	2.07	2.61	2.00	2.08	3.07	2.01
20	1000	0.8	0.8	1	2.07	2.61	2.00	2.08	3.06	2.01
50	4	0.8	0.8	1	2.01	2.60	2.00	2.03	3.07	2.02
50	20	0.8	0.8	1	2.02	2.61	2.00	2.03	3.07	2.01
50	200	0.8	0.8	1	2.02	2.61	2.00	2.03	3.07	2.01
50	1000	0.8	0.8	1	2.02	2.61	2.00	2.03	3.07	2.01
100	4	0.8	0.8	1	2.00	2.60	2.00	2.01	3.07	2.01
100	20	0.8	0.8	1	2.00	2.61	2.00	2.01	3.07	2.01

100	200	0.8	0.8	1	2.00	2.61	2.00	2.01	3.07	2.01
100	1000	0.8	0.8	1	2.00	2.61	2.00	2.01	3.07	2.01
200	4	0.8	0.8	1	2.00	2.61	2.00	2.01	3.07	2.01
200	20	0.8	0.8	1	2.00	2.61	2.00	2.00	3.07	2.00
200	200	0.8	0.8	1	2.00	2.61	2.00	2.00	3.07	2.00
200	1000	0.8	0.8	1	2.00	2.61	2.00	2.00	3.07	2.00
4	4	0.2	-0.2	1	1.92	1.81	2.00	1.91	1.82	2.00
4	20	0.2	-0.2	1	1.91	1.79	2.00	1.91	1.85	2.00
4	200	0.2	-0.2	1	1.91	1.80	2.00	1.91	1.86	2.00
4	1000	0.2	-0.2	1	1.91	1.80	2.00	1.91	1.86	2.00
20	4	0.2	-0.2	1	2.00	1.79	2.00	1.99	1.88	2.00
20	20	0.2	-0.2	1	1.99	1.80	2.00	1.99	1.89	2.00
20	200	0.2	-0.2	1	1.99	1.80	2.00	1.99	1.89	2.00
20	1000	0.2	-0.2	1	1.99	1.80	2.00	1.99	1.89	2.00
50	4	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
50	20	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
50	200	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
50	1000	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
100	4	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
100	20	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
100	200	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
100	1000	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
200	4	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
200	20	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
200	200	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
200	1000	0.2	-0.2	1	2.00	1.80	2.00	2.00	1.89	2.00
4	4	0.8	-0.2	1	1.89	1.81	2.00	1.89	1.81	2.00
4	20	0.8	-0.2	1	1.89	1.81	2.00	1.89	1.81	2.00
4	200	0.8	-0.2	1	1.88	1.80	2.00	1.88	1.81	2.00
4	1000	0.8	-0.2	1	1.88	1.80	2.00	1.88	1.81	2.00
20	4	0.8	-0.2	1	1.98	1.80	2.00	1.98	1.81	2.00
20	20	0.8	-0.2	1	1.98	1.80	2.00	1.98	1.82	2.00
20	200	0.8	-0.2	1	1.98	1.80	2.00	1.98	1.82	2.00
20	1000	0.8	-0.2	1	1.98	1.80	2.00	1.98	1.82	2.00
50	4	0.8	-0.2	1	2.00	1.80	2.00	1.99	1.82	2.00
50	20	0.8	-0.2	1	2.00	1.80	2.00	1.99	1.82	2.00
50	200	0.8	-0.2	1	2.00	1.80	2.00	1.99	1.82	2.00
50	1000	0.8	-0.2	1	2.00	1.80	2.00	1.99	1.82	2.00

100	4	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
100	20	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
100	200	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
100	1000	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
200	4	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
200	20	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
200	200	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
200	1000	0.8	-0.2	1	2.00	1.80	2.00	2.00	1.82	2.00
4	4	0.2	-0.5	1	1.77	1.52	2.00	1.79	1.49	2.00
4	20	0.2	-0.5	1	1.79	1.55	2.00	1.80	1.59	2.00
4	200	0.2	-0.5	1	1.79	1.55	2.00	1.80	1.62	2.00
4	1000	0.2	-0.5	1	1.80	1.56	2.00	1.80	1.63	2.00
20	4	0.2	-0.5	1	1.98	1.55	2.00	1.98	1.71	2.00
20	20	0.2	-0.5	1	1.98	1.56	2.00	1.98	1.71	2.00
20	200	0.2	-0.5	1	1.98	1.56	2.00	1.98	1.71	2.00
20	1000	0.2	-0.5	1	1.98	1.55	2.00	1.98	1.71	2.00
50	4	0.2	-0.5	1	2.00	1.55	2.00	2.00	1.71	2.00
50	20	0.2	-0.5	1	2.00	1.55	2.00	2.00	1.72	2.00
50	200	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.72	2.00
50	1000	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.72	2.00
100	4	0.2	-0.5	1	2.00	1.55	2.00	2.00	1.72	2.00
100	20	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.73	2.00
100	200	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.73	2.00
100	1000	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.72	2.00
200	4	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.72	2.00
200	20	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.73	2.00
200	200	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.73	2.00
200	1000	0.2	-0.5	1	2.00	1.56	2.00	2.00	1.73	2.00
4	4	0.8	-0.5	1	1.74	1.58	2.00	1.74	1.42	1.99
4	20	0.8	-0.5	1	1.74	1.56	2.00	1.74	1.34	2.00
4	200	0.8	-0.5	1	1.72	1.55	2.00	1.72	1.30	2.00
4	1000	0.8	-0.5	1	1.72	1.55	2.00	1.72	1.30	2.00
20	4	0.8	-0.5	1	1.96	1.55	1.99	1.93	1.30	1.98
20	20	0.8	-0.5	1	1.96	1.56	2.00	1.95	1.28	1.99
20	200	0.8	-0.5	1	1.96	1.56	2.00	1.95	1.27	1.99
20	1000	0.8	-0.5	1	1.96	1.55	2.00	1.95	1.27	1.99
50	4	0.8	-0.5	1	1.99	1.56	2.00	1.98	1.30	1.98
50	20	0.8	-0.5	1	1.99	1.56	2.00	1.98	1.27	1.99

50	200	0.8	-0.5	1	1.99	1.56	2.00	1.98	1.27	1.99
50	1000	0.8	-0.5	1	1.99	1.56	2.00	1.98	1.27	1.99
100	4	0.8	-0.5	1	2.00	1.56	2.00	1.99	1.27	1.99
100	20	0.8	-0.5	1	2.00	1.56	2.00	1.99	1.27	1.99
100	200	0.8	-0.5	1	2.00	1.56	2.00	1.99	1.27	1.99
100	1000	0.8	-0.5	1	2.00	1.56	2.00	1.99	1.27	1.99
200	4	0.8	-0.5	1	2.00	1.55	2.00	2.00	1.26	2.00
200	20	0.8	-0.5	1	2.00	1.56	2.00	2.00	1.27	2.00
200	200	0.8	-0.5	1	2.00	1.56	2.00	2.00	1.27	2.00
200	1000	0.8	-0.5	1	2.00	1.56	2.00	2.00	1.27	2.00
4	4	0.2	-0.8	1	1.70	1.38	2.00	1.71	1.18	2.00
4	20	0.2	-0.8	1	1.71	1.40	2.00	1.72	1.04	2.00
4	200	0.2	-0.8	1	1.71	1.39	2.00	1.72	0.88	2.00
4	1000	0.2	-0.8	1	1.71	1.39	2.00	1.72	0.87	2.00
20	4	0.2	-0.8	1	1.97	1.39	2.00	1.97	0.99	2.00
20	20	0.2	-0.8	1	1.98	1.39	2.00	1.97	0.79	2.00
20	200	0.2	-0.8	1	1.98	1.39	2.00	1.97	0.71	2.00
20	1000	0.2	-0.8	1	1.98	1.39	2.00	1.97	0.71	2.00
50	4	0.2	-0.8	1	2.00	1.40	2.00	1.99	0.89	2.00
50	20	0.2	-0.8	1	2.00	1.40	2.00	1.99	0.73	2.00
50	200	0.2	-0.8	1	2.00	1.39	2.00	1.99	0.69	2.00
50	1000	0.2	-0.8	1	2.00	1.39	2.00	1.99	0.69	2.00
100	4	0.2	-0.8	1	2.00	1.40	2.00	2.00	0.82	2.00
100	20	0.2	-0.8	1	2.00	1.40	2.00	2.00	0.69	2.00
100	200	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.69	2.00
100	1000	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.69	2.00
200	4	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.74	2.00
200	20	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.68	2.00
200	200	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.68	2.00
200	1000	0.2	-0.8	1	2.00	1.39	2.00	2.00	0.68	2.00
4	4	0.8	-0.8	1	1.60	1.39	1.99	1.61	0.99	1.99
4	20	0.8	-0.8	1	1.60	1.39	1.99	1.60	0.96	1.99
4	200	0.8	-0.8	1	1.60	1.39	1.99	1.60	0.96	1.99
4	1000	0.8	-0.8	1	1.60	1.39	2.00	1.60	0.97	1.99
20	4	0.8	-0.8	1	1.93	1.39	1.99	1.90	0.93	1.98
20	20	0.8	-0.8	1	1.93	1.40	1.99	1.92	0.94	1.99
20	200	0.8	-0.8	1	1.93	1.39	2.00	1.92	0.94	1.99
20	1000	0.8	-0.8	1	1.93	1.39	2.00	1.92	0.94	1.99

50	4	0.8	-0.8	1	1.99	1.39	1.99	1.96	0.93	1.98
50	20	0.8	-0.8	1	1.99	1.40	2.00	1.97	0.93	1.99
50	200	0.8	-0.8	1	1.98	1.39	2.00	1.97	0.93	1.99
50	1000	0.8	-0.8	1	1.98	1.39	2.00	1.97	0.93	1.99
100	4	0.8	-0.8	1	2.00	1.39	2.00	1.98	0.93	1.99
100	20	0.8	-0.8	1	2.00	1.39	2.00	1.99	0.93	1.99
100	200	0.8	-0.8	1	2.00	1.39	2.00	1.99	0.93	1.99
100	1000	0.8	-0.8	1	2.00	1.39	2.00	1.99	0.93	1.99
200	4	0.8	-0.8	1	2.00	1.40	2.00	1.99	0.93	2.00
200	20	0.8	-0.8	1	2.00	1.39	2.00	2.00	0.93	2.00
200	200	0.8	-0.8	1	2.00	1.39	2.00	2.00	0.93	2.00
200	1000	0.8	-0.8	1	2.00	1.39	2.00	2.00	0.93	2.00
4	4	0.2	0.0	2	2.01	2.01	2.00	2.00	2.01	2.00
4	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	2	2.00	2.01	2.00	1.99	2.00	2.00
4	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00

20	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.2	0.2	2	2.05	2.11	2.00	2.05	2.09	2.00
4	20	0.2	0.2	2	2.07	2.12	2.00	2.06	2.09	2.00
4	200	0.2	0.2	2	2.06	2.12	2.00	2.06	2.09	2.00
4	1000	0.2	0.2	2	2.07	2.12	2.00	2.06	2.09	2.00
20	4	0.2	0.2	2	2.01	2.12	2.00	2.01	2.08	2.00
20	20	0.2	0.2	2	2.01	2.12	2.00	2.01	2.08	2.00
20	200	0.2	0.2	2	2.01	2.12	2.00	2.01	2.08	2.00
20	1000	0.2	0.2	2	2.01	2.12	2.00	2.01	2.08	2.00
50	4	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
50	20	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
50	200	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
50	1000	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
100	4	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
100	20	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
100	200	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
100	1000	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
200	4	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
200	20	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
200	200	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
200	1000	0.2	0.2	2	2.00	2.12	2.00	2.00	2.08	2.00
4	4	0.8	0.2	2	2.09	2.12	2.00	2.10	2.12	2.00
4	20	0.8	0.2	2	2.09	2.12	2.00	2.09	2.12	2.00
4	200	0.8	0.2	2	2.09	2.12	2.00	2.09	2.12	2.00
4	1000	0.8	0.2	2	2.09	2.12	2.00	2.09	2.12	2.00

20	4	0.8	0.2	2	2.02	2.12	2.00	2.03	2.12	2.00
20	20	0.8	0.2	2	2.02	2.12	2.00	2.03	2.11	2.00
20	200	0.8	0.2	2	2.02	2.12	2.00	2.03	2.11	2.00
20	1000	0.8	0.2	2	2.02	2.12	2.00	2.03	2.11	2.00
50	4	0.8	0.2	2	2.00	2.13	2.00	2.01	2.12	2.00
50	20	0.8	0.2	2	2.00	2.12	2.00	2.01	2.11	2.00
50	200	0.8	0.2	2	2.01	2.12	2.00	2.01	2.11	2.00
50	1000	0.8	0.2	2	2.01	2.12	2.00	2.01	2.11	2.00
100	4	0.8	0.2	2	2.00	2.12	2.00	2.01	2.11	2.00
100	20	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
100	200	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
100	1000	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
200	4	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
200	20	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
200	200	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
200	1000	0.8	0.2	2	2.00	2.12	2.00	2.00	2.11	2.00
4	4	0.2	0.5	2	2.18	2.28	2.00	2.16	2.25	2.00
4	20	0.2	0.5	2	2.16	2.29	2.00	2.15	2.25	2.00
4	200	0.2	0.5	2	2.16	2.29	2.00	2.15	2.24	2.00
4	1000	0.2	0.5	2	2.16	2.29	2.00	2.15	2.24	2.00
20	4	0.2	0.5	2	2.02	2.28	2.00	2.03	2.20	2.00
20	20	0.2	0.5	2	2.02	2.29	2.00	2.02	2.21	2.00
20	200	0.2	0.5	2	2.02	2.29	2.00	2.02	2.20	2.00
20	1000	0.2	0.5	2	2.02	2.29	2.00	2.02	2.20	2.00
50	4	0.2	0.5	2	2.00	2.29	2.00	2.01	2.20	2.00
50	20	0.2	0.5	2	2.00	2.29	2.00	2.01	2.20	2.00
50	200	0.2	0.5	2	2.00	2.29	2.00	2.01	2.20	2.00
50	1000	0.2	0.5	2	2.00	2.29	2.00	2.01	2.20	2.00
100	4	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
100	20	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
100	200	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
100	1000	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
200	4	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
200	20	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
200	200	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
200	1000	0.2	0.5	2	2.00	2.29	2.00	2.00	2.20	2.00
4	4	0.8	0.5	2	2.21	2.28	2.00	2.20	2.30	2.00
4	20	0.8	0.5	2	2.21	2.28	2.00	2.21	2.29	2.00

4	200	0.8	0.5	2	2.22	2.29	2.00	2.22	2.29	2.00
4	1000	0.8	0.5	2	2.22	2.29	2.00	2.22	2.29	2.00
20	4	0.8	0.5	2	2.05	2.29	2.00	2.08	2.30	2.01
20	20	0.8	0.5	2	2.05	2.28	2.00	2.07	2.29	2.00
20	200	0.8	0.5	2	2.05	2.29	2.00	2.06	2.29	2.00
20	1000	0.8	0.5	2	2.05	2.29	2.00	2.06	2.29	2.00
50	4	0.8	0.5	2	2.01	2.28	2.00	2.03	2.29	2.01
50	20	0.8	0.5	2	2.01	2.29	2.00	2.03	2.29	2.01
50	200	0.8	0.5	2	2.01	2.29	2.00	2.02	2.29	2.00
50	1000	0.8	0.5	2	2.01	2.29	2.00	2.02	2.29	2.00
100	4	0.8	0.5	2	2.00	2.28	2.00	2.01	2.29	2.01
100	20	0.8	0.5	2	2.00	2.29	2.00	2.01	2.29	2.00
100	200	0.8	0.5	2	2.00	2.29	2.00	2.01	2.29	2.00
100	1000	0.8	0.5	2	2.00	2.29	2.00	2.01	2.29	2.00
200	4	0.8	0.5	2	2.00	2.29	2.00	2.01	2.29	2.00
200	20	0.8	0.5	2	2.00	2.29	2.00	2.00	2.29	2.00
200	200	0.8	0.5	2	2.00	2.29	2.00	2.00	2.29	2.00
200	1000	0.8	0.5	2	2.00	2.29	2.00	2.00	2.29	2.00
4	4	0.2	0.8	2	2.28	2.45	2.00	2.27	2.46	2.00
4	20	0.2	0.8	2	2.24	2.42	2.00	2.23	2.43	2.00
4	200	0.2	0.8	2	2.24	2.43	2.00	2.23	2.43	2.00
4	1000	0.2	0.8	2	2.24	2.43	2.00	2.23	2.43	2.00
20	4	0.2	0.8	2	2.03	2.43	2.00	2.04	2.38	2.00
20	20	0.2	0.8	2	2.03	2.42	2.00	2.04	2.37	2.00
20	200	0.2	0.8	2	2.03	2.43	2.00	2.04	2.37	2.00
20	1000	0.2	0.8	2	2.03	2.43	2.00	2.04	2.36	2.00
50	4	0.2	0.8	2	2.01	2.42	2.00	2.01	2.37	2.00
50	20	0.2	0.8	2	2.01	2.43	2.00	2.01	2.36	2.00
50	200	0.2	0.8	2	2.01	2.42	2.00	2.01	2.35	2.00
50	1000	0.2	0.8	2	2.01	2.43	2.00	2.01	2.35	2.00
100	4	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
100	20	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
100	200	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
100	1000	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
200	4	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
200	20	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
200	200	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00
200	1000	0.2	0.8	2	2.00	2.43	2.00	2.00	2.35	2.00

4	4	0.8	0.8	2	2.33	2.43	2.00	2.34	2.50	2.00
4	20	0.8	0.8	2	2.33	2.43	2.00	2.33	2.49	2.00
4	200	0.8	0.8	2	2.33	2.43	2.00	2.33	2.50	2.00
4	1000	0.8	0.8	2	2.33	2.43	2.00	2.33	2.50	2.00
20	4	0.8	0.8	2	2.08	2.43	2.00	2.12	2.51	2.02
20	20	0.8	0.8	2	2.08	2.43	2.00	2.11	2.51	2.01
20	200	0.8	0.8	2	2.08	2.43	2.00	2.10	2.51	2.01
20	1000	0.8	0.8	2	2.08	2.43	2.00	2.10	2.51	2.01
50	4	0.8	0.8	2	2.02	2.43	2.00	2.05	2.52	2.02
50	20	0.8	0.8	2	2.02	2.43	2.00	2.04	2.52	2.01
50	200	0.8	0.8	2	2.02	2.43	2.00	2.04	2.52	2.01
50	1000	0.8	0.8	2	2.02	2.43	2.00	2.04	2.52	2.01
100	4	0.8	0.8	2	2.01	2.43	2.00	2.02	2.52	2.01
100	20	0.8	0.8	2	2.01	2.42	2.00	2.02	2.52	2.01
100	200	0.8	0.8	2	2.01	2.43	2.00	2.02	2.52	2.01
100	1000	0.8	0.8	2	2.01	2.43	2.00	2.02	2.52	2.01
200	4	0.8	0.8	2	2.00	2.43	2.00	2.01	2.52	2.01
200	20	0.8	0.8	2	2.00	2.43	2.00	2.01	2.52	2.00
200	200	0.8	0.8	2	2.00	2.43	2.00	2.01	2.52	2.00
200	1000	0.8	0.8	2	2.00	2.43	2.00	2.01	2.52	2.00
4	4	0.2	-0.2	2	1.93	1.89	2.00	1.93	1.90	2.00
4	20	0.2	-0.2	2	1.93	1.87	2.00	1.93	1.90	2.00
4	200	0.2	-0.2	2	1.93	1.88	2.00	1.94	1.91	2.00
4	1000	0.2	-0.2	2	1.93	1.88	2.00	1.94	1.90	2.00
20	4	0.2	-0.2	2	1.99	1.88	2.00	1.99	1.92	2.00
20	20	0.2	-0.2	2	1.99	1.88	2.00	1.99	1.92	2.00
20	200	0.2	-0.2	2	1.99	1.88	2.00	1.99	1.92	2.00
20	1000	0.2	-0.2	2	1.99	1.88	2.00	1.99	1.92	2.00
50	4	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
50	20	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
50	200	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
50	1000	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
100	4	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
100	20	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
100	200	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
100	1000	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
200	4	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
200	20	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00

200	200	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
200	1000	0.2	-0.2	2	2.00	1.88	2.00	2.00	1.92	2.00
4	4	0.8	-0.2	2	1.89	1.86	2.00	1.89	1.86	2.00
4	20	0.8	-0.2	2	1.91	1.88	2.00	1.91	1.88	2.00
4	200	0.8	-0.2	2	1.91	1.88	2.00	1.91	1.88	2.00
4	1000	0.8	-0.2	2	1.91	1.88	2.00	1.91	1.88	2.00
20	4	0.8	-0.2	2	1.99	1.88	2.00	1.97	1.88	2.00
20	20	0.8	-0.2	2	1.98	1.88	2.00	1.97	1.89	2.00
20	200	0.8	-0.2	2	1.98	1.88	2.00	1.97	1.89	2.00
20	1000	0.8	-0.2	2	1.98	1.88	2.00	1.97	1.89	2.00
50	4	0.8	-0.2	2	2.00	1.88	2.00	1.99	1.89	2.00
50	20	0.8	-0.2	2	1.99	1.88	2.00	1.99	1.88	2.00
50	200	0.8	-0.2	2	1.99	1.88	2.00	1.99	1.89	2.00
50	1000	0.8	-0.2	2	1.99	1.88	2.00	1.99	1.89	2.00
100	4	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
100	20	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
100	200	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
100	1000	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
200	4	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
200	20	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
200	200	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
200	1000	0.8	-0.2	2	2.00	1.88	2.00	2.00	1.89	2.00
4	4	0.2	-0.5	2	1.84	1.72	2.00	1.85	1.75	2.00
4	20	0.2	-0.5	2	1.84	1.71	2.00	1.85	1.75	2.00
4	200	0.2	-0.5	2	1.84	1.72	2.00	1.85	1.76	2.00
4	1000	0.2	-0.5	2	1.84	1.72	2.00	1.85	1.76	2.00
20	4	0.2	-0.5	2	1.98	1.71	2.00	1.97	1.79	2.00
20	20	0.2	-0.5	2	1.98	1.71	2.00	1.98	1.80	2.00
20	200	0.2	-0.5	2	1.98	1.71	2.00	1.98	1.80	2.00
20	1000	0.2	-0.5	2	1.98	1.71	2.00	1.98	1.80	2.00
50	4	0.2	-0.5	2	2.00	1.71	2.00	1.99	1.80	2.00
50	20	0.2	-0.5	2	2.00	1.71	2.00	1.99	1.80	2.00
50	200	0.2	-0.5	2	2.00	1.71	2.00	1.99	1.80	2.00
50	1000	0.2	-0.5	2	2.00	1.71	2.00	1.99	1.80	2.00
100	4	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
100	20	0.2	-0.5	2	2.00	1.72	2.00	2.00	1.80	2.00
100	200	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
100	1000	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00

200	4	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
200	20	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
200	200	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
200	1000	0.2	-0.5	2	2.00	1.71	2.00	2.00	1.80	2.00
4	4	0.8	-0.5	2	1.79	1.71	2.00	1.79	1.69	2.00
4	20	0.8	-0.5	2	1.79	1.72	2.00	1.79	1.71	2.00
4	200	0.8	-0.5	2	1.78	1.72	2.00	1.78	1.71	2.00
4	1000	0.8	-0.5	2	1.78	1.72	2.00	1.78	1.71	2.00
20	4	0.8	-0.5	2	1.95	1.72	2.00	1.92	1.71	1.99
20	20	0.8	-0.5	2	1.95	1.71	2.00	1.93	1.71	2.00
20	200	0.8	-0.5	2	1.95	1.71	2.00	1.94	1.71	2.00
20	1000	0.8	-0.5	2	1.95	1.71	2.00	1.94	1.71	2.00
50	4	0.8	-0.5	2	1.99	1.71	2.00	1.97	1.71	1.99
50	20	0.8	-0.5	2	1.99	1.71	2.00	1.97	1.71	1.99
50	200	0.8	-0.5	2	1.99	1.71	2.00	1.98	1.71	2.00
50	1000	0.8	-0.5	2	1.99	1.71	2.00	1.98	1.71	2.00
100	4	0.8	-0.5	2	2.00	1.72	2.00	1.99	1.71	1.99
100	20	0.8	-0.5	2	2.00	1.71	2.00	1.99	1.71	2.00
100	200	0.8	-0.5	2	2.00	1.71	2.00	1.99	1.71	2.00
100	1000	0.8	-0.5	2	2.00	1.71	2.00	1.99	1.71	2.00
200	4	0.8	-0.5	2	2.00	1.72	2.00	2.00	1.71	2.00
200	20	0.8	-0.5	2	2.00	1.71	2.00	2.00	1.71	2.00
200	200	0.8	-0.5	2	2.00	1.71	2.00	2.00	1.71	2.00
200	1000	0.8	-0.5	2	2.00	1.71	2.00	2.00	1.71	2.00
4	4	0.2	-0.8	2	1.73	1.57	2.00	1.75	1.57	2.00
4	20	0.2	-0.8	2	1.75	1.57	2.00	1.76	1.56	2.00
4	200	0.2	-0.8	2	1.76	1.57	2.00	1.77	1.57	2.00
4	1000	0.2	-0.8	2	1.76	1.57	2.00	1.77	1.57	2.00
20	4	0.2	-0.8	2	1.97	1.57	2.00	1.96	1.61	2.00
20	20	0.2	-0.8	2	1.97	1.57	2.00	1.97	1.63	2.00
20	200	0.2	-0.8	2	1.97	1.57	2.00	1.97	1.64	2.00
20	1000	0.2	-0.8	2	1.97	1.57	2.00	1.96	1.64	2.00
50	4	0.2	-0.8	2	1.99	1.57	2.00	1.99	1.63	2.00
50	20	0.2	-0.8	2	1.99	1.57	2.00	1.99	1.64	2.00
50	200	0.2	-0.8	2	1.99	1.57	2.00	1.99	1.65	2.00
50	1000	0.2	-0.8	2	1.99	1.57	2.00	1.99	1.65	2.00
100	4	0.2	-0.8	2	2.00	1.58	2.00	2.00	1.64	2.00
100	20	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00

100	200	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00
100	1000	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00
200	4	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00
200	20	0.2	-0.8	2	2.00	1.58	2.00	2.00	1.65	2.00
200	200	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00
200	1000	0.2	-0.8	2	2.00	1.57	2.00	2.00	1.65	2.00
4	4	0.8	-0.8	2	1.67	1.58	2.00	1.67	1.53	2.00
4	20	0.8	-0.8	2	1.68	1.58	2.00	1.68	1.52	2.00
4	200	0.8	-0.8	2	1.67	1.57	2.00	1.67	1.50	2.00
4	1000	0.8	-0.8	2	1.67	1.57	2.00	1.67	1.50	2.00
20	4	0.8	-0.8	2	1.92	1.57	2.00	1.87	1.49	1.99
20	20	0.8	-0.8	2	1.92	1.58	2.00	1.90	1.49	1.99
20	200	0.8	-0.8	2	1.92	1.57	2.00	1.90	1.49	1.99
20	1000	0.8	-0.8	2	1.92	1.57	2.00	1.90	1.49	1.99
50	4	0.8	-0.8	2	1.98	1.58	2.00	1.95	1.49	1.98
50	20	0.8	-0.8	2	1.98	1.58	2.00	1.96	1.48	1.99
50	200	0.8	-0.8	2	1.98	1.57	2.00	1.96	1.48	1.99
50	1000	0.8	-0.8	2	1.98	1.57	2.00	1.96	1.48	1.99
100	4	0.8	-0.8	2	1.99	1.58	2.00	1.98	1.49	1.99
100	20	0.8	-0.8	2	1.99	1.58	2.00	1.98	1.49	1.99
100	200	0.8	-0.8	2	1.99	1.57	2.00	1.98	1.48	1.99
100	1000	0.8	-0.8	2	1.99	1.57	2.00	1.98	1.48	1.99
200	4	0.8	-0.8	2	2.00	1.58	2.00	1.99	1.48	1.99
200	20	0.8	-0.8	2	2.00	1.57	2.00	1.99	1.48	2.00
200	200	0.8	-0.8	2	2.00	1.57	2.00	1.99	1.48	2.00
200	1000	0.8	-0.8	2	2.00	1.57	2.00	1.99	1.48	2.00
4	4	0.2	0.0	8	2.01	2.01	2.00	2.01	2.01	2.00
4	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00

100	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.2	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.8	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.2	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	20	0.2	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	200	0.2	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
4	1000	0.2	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
20	4	0.2	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	20	0.2	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
20	200	0.2	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
20	1000	0.2	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
50	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00

50	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0.2	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0.8	0.2	8	2.02	2.02	2.00	2.02	2.02	2.00
4	20	0.8	0.2	8	2.03	2.03	2.00	2.03	2.03	2.00
4	200	0.8	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	1000	0.8	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
20	4	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	20	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	200	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
20	1000	0.8	0.2	8	2.01	2.03	2.00	2.02	2.03	2.00
50	4	0.8	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
50	20	0.8	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
50	200	0.8	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
50	1000	0.8	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
100	4	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	20	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	200	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
100	1000	0.8	0.2	8	2.00	2.03	2.00	2.01	2.03	2.00
200	4	0.8	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
200	20	0.8	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
200	200	0.8	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
200	1000	0.8	0.2	8	2.00	2.03	2.00	2.00	2.03	2.00
4	4	0.2	0.5	8	2.05	2.08	2.00	2.05	2.07	2.00
4	20	0.2	0.5	8	2.05	2.07	2.00	2.04	2.06	2.00
4	200	0.2	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	1000	0.2	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
20	4	0.2	0.5	8	2.01	2.07	2.00	2.02	2.05	2.00
20	20	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
20	200	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00
20	1000	0.2	0.5	8	2.01	2.07	2.00	2.01	2.05	2.00

50	4	0.2	0.5	8	2.00	2.07	2.00	2.01	2.05	2.00
50	20	0.2	0.5	8	2.00	2.07	2.00	2.01	2.05	2.00
50	200	0.2	0.5	8	2.00	2.07	2.00	2.01	2.05	2.00
50	1000	0.2	0.5	8	2.00	2.07	2.00	2.01	2.05	2.00
100	4	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	20	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	200	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
100	1000	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	4	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	20	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	200	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
200	1000	0.2	0.5	8	2.00	2.07	2.00	2.00	2.05	2.00
4	4	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
4	20	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
4	200	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
4	1000	0.8	0.5	8	2.06	2.07	2.00	2.06	2.07	2.00
20	4	0.8	0.5	8	2.03	2.07	2.00	2.04	2.07	2.00
20	20	0.8	0.5	8	2.03	2.07	2.00	2.04	2.07	2.00
20	200	0.8	0.5	8	2.03	2.07	2.00	2.04	2.07	2.00
20	1000	0.8	0.5	8	2.03	2.07	2.00	2.04	2.07	2.00
50	4	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
50	20	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
50	200	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
50	1000	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
100	4	0.8	0.5	8	2.01	2.07	2.00	2.03	2.07	2.00
100	20	0.8	0.5	8	2.01	2.07	2.00	2.02	2.07	2.00
100	200	0.8	0.5	8	2.01	2.07	2.00	2.02	2.07	2.00
100	1000	0.8	0.5	8	2.01	2.07	2.00	2.02	2.07	2.00
200	4	0.8	0.5	8	2.00	2.07	2.00	2.01	2.07	2.00
200	20	0.8	0.5	8	2.00	2.07	2.00	2.01	2.07	2.00
200	200	0.8	0.5	8	2.00	2.07	2.00	2.01	2.07	2.00
200	1000	0.8	0.5	8	2.00	2.07	2.00	2.01	2.07	2.00
4	4	0.2	0.8	8	2.08	2.12	2.00	2.08	2.11	2.00
4	20	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	200	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	1000	0.2	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
20	4	0.2	0.8	8	2.02	2.11	2.00	2.03	2.09	2.00
20	20	0.2	0.8	8	2.02	2.11	2.00	2.02	2.09	2.00

20	200	0.2	0.8	8	2.02	2.11	2.00	2.02	2.09	2.00
20	1000	0.2	0.8	8	2.02	2.11	2.00	2.02	2.09	2.00
50	4	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
50	20	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
50	200	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
50	1000	0.2	0.8	8	2.01	2.11	2.00	2.01	2.09	2.00
100	4	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
100	20	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
100	200	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
100	1000	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	4	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	20	0.2	0.8	8	2.00	2.11	2.00	2.00	2.08	2.00
200	200	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
200	1000	0.2	0.8	8	2.00	2.11	2.00	2.00	2.09	2.00
4	4	0.8	0.8	8	2.09	2.10	2.00	2.09	2.11	2.00
4	20	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
4	200	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
4	1000	0.8	0.8	8	2.10	2.11	2.00	2.10	2.11	2.00
20	4	0.8	0.8	8	2.05	2.11	2.00	2.08	2.11	2.00
20	20	0.8	0.8	8	2.05	2.11	2.00	2.07	2.11	2.00
20	200	0.8	0.8	8	2.05	2.11	2.00	2.06	2.11	2.00
20	1000	0.8	0.8	8	2.05	2.11	2.00	2.06	2.11	2.00
50	4	0.8	0.8	8	2.03	2.11	2.00	2.06	2.11	2.01
50	20	0.8	0.8	8	2.02	2.11	2.00	2.05	2.11	2.00
50	200	0.8	0.8	8	2.02	2.11	2.00	2.04	2.11	2.00
50	1000	0.8	0.8	8	2.02	2.11	2.00	2.04	2.11	2.00
100	4	0.8	0.8	8	2.01	2.11	2.00	2.04	2.11	2.01
100	20	0.8	0.8	8	2.01	2.11	2.00	2.03	2.11	2.00
100	200	0.8	0.8	8	2.01	2.11	2.00	2.03	2.11	2.00
100	1000	0.8	0.8	8	2.01	2.11	2.00	2.03	2.11	2.00
200	4	0.8	0.8	8	2.00	2.11	2.00	2.03	2.11	2.01
200	20	0.8	0.8	8	2.00	2.11	2.00	2.02	2.11	2.00
200	200	0.8	0.8	8	2.00	2.11	2.00	2.02	2.11	2.00
200	1000	0.8	0.8	8	2.00	2.11	2.00	2.02	2.11	2.00
4	4	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	20	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
4	200	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00
4	1000	0.2	-0.2	8	1.98	1.97	2.00	1.98	1.98	2.00

20	4	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
20	20	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
20	200	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
20	1000	0.2	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
50	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	20	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	200	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0.2	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
4	4	0.8	-0.2	8	1.97	1.97	2.00	1.97	1.97	2.00
4	20	0.8	-0.2	8	1.97	1.97	2.00	1.97	1.97	2.00
4	200	0.8	-0.2	8	1.97	1.97	2.00	1.97	1.97	2.00
4	1000	0.8	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
20	4	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
20	20	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
20	200	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
20	1000	0.8	-0.2	8	1.99	1.97	2.00	1.98	1.97	2.00
50	4	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
50	20	0.8	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
50	200	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
50	1000	0.8	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
100	4	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
100	20	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
100	200	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
100	1000	0.8	-0.2	8	2.00	1.97	2.00	1.99	1.97	2.00
200	4	0.8	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
200	20	0.8	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
200	200	0.8	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
200	1000	0.8	-0.2	8	2.00	1.97	2.00	2.00	1.97	2.00
4	4	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
4	20	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00

4	200	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
4	1000	0.2	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
20	4	0.2	-0.5	8	1.99	1.93	2.00	1.98	1.95	2.00
20	20	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
20	200	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
20	1000	0.2	-0.5	8	1.99	1.93	2.00	1.99	1.95	2.00
50	4	0.2	-0.5	8	2.00	1.93	2.00	1.99	1.95	2.00
50	20	0.2	-0.5	8	2.00	1.93	2.00	1.99	1.95	2.00
50	200	0.2	-0.5	8	2.00	1.93	2.00	1.99	1.95	2.00
50	1000	0.2	-0.5	8	2.00	1.93	2.00	1.99	1.95	2.00
100	4	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	20	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	200	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
100	1000	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	4	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	20	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	200	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
200	1000	0.2	-0.5	8	2.00	1.93	2.00	2.00	1.95	2.00
4	4	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
4	20	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
4	200	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
4	1000	0.8	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
20	4	0.8	-0.5	8	1.96	1.93	2.00	1.95	1.93	2.00
20	20	0.8	-0.5	8	1.97	1.93	2.00	1.96	1.93	2.00
20	200	0.8	-0.5	8	1.97	1.93	2.00	1.96	1.93	2.00
20	1000	0.8	-0.5	8	1.97	1.93	2.00	1.96	1.93	2.00
50	4	0.8	-0.5	8	1.99	1.93	2.00	1.96	1.93	2.00
50	20	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
50	200	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
50	1000	0.8	-0.5	8	1.99	1.93	2.00	1.97	1.93	2.00
100	4	0.8	-0.5	8	1.99	1.93	2.00	1.98	1.93	2.00
100	20	0.8	-0.5	8	1.99	1.93	2.00	1.98	1.93	2.00
100	200	0.8	-0.5	8	1.99	1.93	2.00	1.98	1.93	2.00
100	1000	0.8	-0.5	8	1.99	1.93	2.00	1.98	1.93	2.00
200	4	0.8	-0.5	8	2.00	1.93	2.00	1.99	1.93	2.00
200	20	0.8	-0.5	8	2.00	1.93	2.00	1.99	1.93	2.00
200	200	0.8	-0.5	8	2.00	1.93	2.00	1.99	1.93	2.00
200	1000	0.8	-0.5	8	2.00	1.93	2.00	1.99	1.93	2.00

4	4	0.2	-0.8	8	1.92	1.89	2.00	1.92	1.90	2.00
4	20	0.2	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
4	200	0.2	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
4	1000	0.2	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
20	4	0.2	-0.8	8	1.98	1.89	2.00	1.97	1.91	2.00
20	20	0.2	-0.8	8	1.98	1.89	2.00	1.98	1.91	2.00
20	200	0.2	-0.8	8	1.98	1.89	2.00	1.98	1.91	2.00
20	1000	0.2	-0.8	8	1.98	1.89	2.00	1.98	1.91	2.00
50	4	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	20	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	200	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
50	1000	0.2	-0.8	8	1.99	1.89	2.00	1.99	1.91	2.00
100	4	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.92	2.00
100	20	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
100	200	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
100	1000	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	4	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	20	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.92	2.00
200	200	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.91	2.00
200	1000	0.2	-0.8	8	2.00	1.89	2.00	2.00	1.92	2.00
4	4	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	20	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	200	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
4	1000	0.8	-0.8	8	1.90	1.89	2.00	1.90	1.89	2.00
20	4	0.8	-0.8	8	1.95	1.89	2.00	1.92	1.89	2.00
20	20	0.8	-0.8	8	1.95	1.89	2.00	1.93	1.89	2.00
20	200	0.8	-0.8	8	1.95	1.89	2.00	1.93	1.89	2.00
20	1000	0.8	-0.8	8	1.95	1.89	2.00	1.94	1.89	2.00
50	4	0.8	-0.8	8	1.98	1.89	2.00	1.94	1.89	1.99
50	20	0.8	-0.8	8	1.98	1.89	2.00	1.95	1.89	2.00
50	200	0.8	-0.8	8	1.98	1.89	2.00	1.96	1.89	2.00
50	1000	0.8	-0.8	8	1.98	1.89	2.00	1.96	1.89	2.00
100	4	0.8	-0.8	8	1.99	1.89	2.00	1.96	1.89	1.99
100	20	0.8	-0.8	8	1.99	1.89	2.00	1.97	1.89	2.00
100	200	0.8	-0.8	8	1.99	1.89	2.00	1.97	1.89	2.00
100	1000	0.8	-0.8	8	1.99	1.89	2.00	1.97	1.89	2.00
200	4	0.8	-0.8	8	2.00	1.89	2.00	1.97	1.89	1.99
200	20	0.8	-0.8	8	2.00	1.89	2.00	1.98	1.89	2.00

200	200	0.8	-0.8	8	2.00	1.89	2.00	1.98	1.89	2.00
200	1000	0.8	-0.8	8	2.00	1.89	2.00	1.98	1.89	2.00
4	4	0	0.0	1	2.02	2.01	2.00	2.02	2.00	2.00
4	20	0	0.0	1	1.99	2.00	2.00	1.99	1.99	2.00
4	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	1	1.98	1.99	2.00	1.97	1.99	2.00
4	20	0.5	0.0	1	1.99	1.99	2.00	1.99	1.99	2.00
4	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	1	2.00	2.01	2.00	2.00	2.01	2.00
20	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00

200	4	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	1	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	1	2.08	2.19	2.00	2.08	2.14	2.00
4	20	0	0.2	1	2.08	2.20	2.00	2.07	2.12	2.00
4	200	0	0.2	1	2.08	2.20	2.00	2.07	2.12	2.00
4	1000	0	0.2	1	2.08	2.20	2.00	2.07	2.12	2.00
20	4	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
20	20	0	0.2	1	2.01	2.20	2.00	2.00	2.09	2.00
20	200	0	0.2	1	2.01	2.20	2.00	2.00	2.09	2.00
20	1000	0	0.2	1	2.01	2.20	2.00	2.00	2.09	2.00
50	4	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
50	20	0	0.2	1	2.00	2.19	2.00	2.00	2.09	2.00
50	200	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
50	1000	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
100	4	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
100	20	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
100	200	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
100	1000	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
200	4	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
200	20	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
200	200	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
200	1000	0	0.2	1	2.00	2.20	2.00	2.00	2.09	2.00
4	4	0.5	0.2	1	2.10	2.18	2.00	2.09	2.17	2.00
4	20	0.5	0.2	1	2.10	2.19	2.00	2.10	2.16	2.00
4	200	0.5	0.2	1	2.10	2.20	2.00	2.10	2.17	2.00
4	1000	0.5	0.2	1	2.10	2.20	2.00	2.10	2.16	2.00
20	4	0.5	0.2	1	2.01	2.20	2.00	2.02	2.16	2.00
20	20	0.5	0.2	1	2.01	2.20	2.00	2.01	2.15	2.00
20	200	0.5	0.2	1	2.01	2.20	2.00	2.01	2.15	2.00
20	1000	0.5	0.2	1	2.01	2.20	2.00	2.01	2.15	2.00
50	4	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
50	20	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
50	200	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
50	1000	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
100	4	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
100	20	0.5	0.2	1	2.00	2.20	2.00	2.00	2.14	2.00

100	200	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
100	1000	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
200	4	0.5	0.2	1	2.00	2.20	2.00	2.00	2.15	2.00
200	20	0.5	0.2	1	2.00	2.20	2.00	2.00	2.14	2.00
200	200	0.5	0.2	1	2.00	2.20	2.00	2.00	2.14	2.00
200	1000	0.5	0.2	1	2.00	2.20	2.00	2.00	2.14	2.00
4	4	0	0.5	1	2.21	2.47	2.00	2.19	2.44	2.00
4	20	0	0.5	1	2.17	2.43	2.00	2.16	2.31	2.00
4	200	0	0.5	1	2.19	2.45	2.00	2.17	2.31	2.00
4	1000	0	0.5	1	2.18	2.45	2.00	2.17	2.31	2.00
20	4	0	0.5	1	2.01	2.45	2.00	2.01	2.22	2.00
20	20	0	0.5	1	2.01	2.44	2.00	2.01	2.22	2.00
20	200	0	0.5	1	2.01	2.44	2.00	2.01	2.22	2.00
20	1000	0	0.5	1	2.01	2.44	2.00	2.01	2.22	2.00
50	4	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
50	20	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
50	200	0	0.5	1	2.00	2.45	2.00	2.00	2.21	2.00
50	1000	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
100	4	0	0.5	1	2.00	2.45	2.00	2.00	2.21	2.00
100	20	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
100	200	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
100	1000	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
200	4	0	0.5	1	2.00	2.45	2.00	2.00	2.21	2.00
200	20	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
200	200	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
200	1000	0	0.5	1	2.00	2.44	2.00	2.00	2.21	2.00
4	4	0.5	0.5	1	2.24	2.45	2.01	2.24	2.61	2.01
4	20	0.5	0.5	1	2.23	2.44	2.00	2.23	2.57	2.00
4	200	0.5	0.5	1	2.24	2.44	2.00	2.24	2.55	2.00
4	1000	0.5	0.5	1	2.24	2.45	2.00	2.24	2.55	2.00
20	4	0.5	0.5	1	2.02	2.45	2.00	2.04	2.55	2.01
20	20	0.5	0.5	1	2.02	2.45	2.00	2.03	2.52	2.00
20	200	0.5	0.5	1	2.02	2.45	2.00	2.03	2.48	2.00
20	1000	0.5	0.5	1	2.02	2.44	2.00	2.03	2.47	2.00
50	4	0.5	0.5	1	2.00	2.45	2.00	2.01	2.54	2.00
50	20	0.5	0.5	1	2.00	2.44	2.00	2.01	2.49	2.00
50	200	0.5	0.5	1	2.00	2.44	2.00	2.01	2.46	2.00
50	1000	0.5	0.5	1	2.00	2.44	2.00	2.01	2.46	2.00

100	4	0.5	0.5	1	2.00	2.45	2.00	2.00	2.53	2.00
100	20	0.5	0.5	1	2.00	2.44	2.00	2.00	2.47	2.00
100	200	0.5	0.5	1	2.00	2.44	2.00	2.00	2.45	2.00
100	1000	0.5	0.5	1	2.00	2.44	2.00	2.00	2.45	2.00
200	4	0.5	0.5	1	2.00	2.44	2.00	2.00	2.48	2.00
200	20	0.5	0.5	1	2.00	2.44	2.00	2.00	2.46	2.00
200	200	0.5	0.5	1	2.00	2.44	2.00	2.00	2.45	2.00
200	1000	0.5	0.5	1	2.00	2.44	2.00	2.00	2.45	2.00
4	4	0	0.8	1	2.27	2.58	2.00	2.24	2.59	2.00
4	20	0	0.8	1	2.27	2.61	2.00	2.25	2.64	2.00
4	200	0	0.8	1	2.26	2.60	2.00	2.24	2.55	2.00
4	1000	0	0.8	1	2.26	2.60	2.00	2.24	2.51	2.00
20	4	0	0.8	1	2.02	2.60	2.00	2.02	2.35	2.00
20	20	0	0.8	1	2.02	2.60	2.00	2.02	2.33	2.00
20	200	0	0.8	1	2.02	2.61	2.00	2.02	2.34	2.00
20	1000	0	0.8	1	2.02	2.61	2.00	2.02	2.33	2.00
50	4	0	0.8	1	2.00	2.61	2.00	2.00	2.33	2.00
50	20	0	0.8	1	2.00	2.60	2.00	2.00	2.32	2.00
50	200	0	0.8	1	2.00	2.61	2.00	2.00	2.32	2.00
50	1000	0	0.8	1	2.00	2.61	2.00	2.00	2.32	2.00
100	4	0	0.8	1	2.00	2.60	2.00	2.00	2.32	2.00
100	20	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
100	200	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
100	1000	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
200	4	0	0.8	1	2.00	2.61	2.00	2.00	2.32	2.00
200	20	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
200	200	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
200	1000	0	0.8	1	2.00	2.61	2.00	2.00	2.31	2.00
4	4	0.5	0.8	1	2.36	2.63	2.00	2.35	2.99	2.00
4	20	0.5	0.8	1	2.33	2.60	2.00	2.33	3.11	2.00
4	200	0.5	0.8	1	2.34	2.61	2.00	2.34	3.11	2.00
4	1000	0.5	0.8	1	2.34	2.61	2.00	2.34	3.11	2.00
20	4	0.5	0.8	1	2.03	2.61	2.00	2.06	3.20	2.01
20	20	0.5	0.8	1	2.04	2.61	2.00	2.05	3.19	2.00
20	200	0.5	0.8	1	2.04	2.61	2.00	2.05	3.19	2.00
20	1000	0.5	0.8	1	2.04	2.61	2.00	2.05	3.19	2.00
50	4	0.5	0.8	1	2.01	2.61	2.00	2.02	3.20	2.01
50	20	0.5	0.8	1	2.01	2.61	2.00	2.01	3.20	2.00

50	200	0.5	0.8	1	2.01	2.61	2.00	2.01	3.20	2.00
50	1000	0.5	0.8	1	2.01	2.61	2.00	2.01	3.20	2.00
100	4	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
100	20	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
100	200	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
100	1000	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
200	4	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
200	20	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
200	200	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
200	1000	0.5	0.8	1	2.00	2.61	2.00	2.00	3.21	2.00
4	4	0	-0.2	1	1.91	1.78	2.00	1.94	1.85	2.00
4	20	0	-0.2	1	1.91	1.79	2.00	1.92	1.87	2.00
4	200	0	-0.2	1	1.92	1.80	2.00	1.92	1.87	2.00
4	1000	0	-0.2	1	1.92	1.80	2.00	1.92	1.88	2.00
20	4	0	-0.2	1	1.99	1.81	2.00	1.99	1.91	2.00
20	20	0	-0.2	1	1.99	1.80	2.00	1.99	1.91	2.00
20	200	0	-0.2	1	1.99	1.80	2.00	2.00	1.91	2.00
20	1000	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
50	4	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
50	20	0	-0.2	1	2.00	1.81	2.00	2.00	1.91	2.00
50	200	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
50	1000	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
100	4	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
100	20	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
100	200	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
100	1000	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
200	4	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
200	20	0	-0.2	1	2.00	1.81	2.00	2.00	1.92	2.00
200	200	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
200	1000	0	-0.2	1	2.00	1.80	2.00	2.00	1.91	2.00
4	4	0.5	-0.2	1	1.90	1.79	2.00	1.90	1.77	2.00
4	20	0.5	-0.2	1	1.91	1.81	2.00	1.91	1.84	2.00
4	200	0.5	-0.2	1	1.89	1.80	2.00	1.89	1.83	2.00
4	1000	0.5	-0.2	1	1.90	1.80	2.00	1.90	1.83	2.00
20	4	0.5	-0.2	1	1.99	1.81	2.00	1.98	1.85	2.00
20	20	0.5	-0.2	1	1.99	1.80	2.00	1.99	1.85	2.00
20	200	0.5	-0.2	1	1.99	1.80	2.00	1.99	1.85	2.00
20	1000	0.5	-0.2	1	1.99	1.80	2.00	1.99	1.85	2.00

50	4	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
50	20	0.5	-0.2	1	2.00	1.81	2.00	2.00	1.86	2.00
50	200	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
50	1000	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
100	4	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.86	2.00
100	20	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
100	200	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
100	1000	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
200	4	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.85	2.00
200	20	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.86	2.00
200	200	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.86	2.00
200	1000	0.5	-0.2	1	2.00	1.80	2.00	2.00	1.86	2.00
4	4	0	-0.5	1	1.81	1.54	2.00	1.83	1.60	2.00
4	20	0	-0.5	1	1.82	1.56	2.00	1.83	1.69	2.00
4	200	0	-0.5	1	1.81	1.55	2.00	1.82	1.69	2.00
4	1000	0	-0.5	1	1.82	1.56	2.00	1.83	1.69	2.00
20	4	0	-0.5	1	1.99	1.55	2.00	1.99	1.77	2.00
20	20	0	-0.5	1	1.99	1.56	2.00	1.99	1.78	2.00
20	200	0	-0.5	1	1.99	1.55	2.00	1.99	1.78	2.00
20	1000	0	-0.5	1	1.99	1.56	2.00	1.99	1.78	2.00
50	4	0	-0.5	1	2.00	1.56	2.00	2.00	1.78	2.00
50	20	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
50	200	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
50	1000	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
100	4	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
100	20	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
100	200	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
100	1000	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
200	4	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
200	20	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
200	200	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
200	1000	0	-0.5	1	2.00	1.56	2.00	2.00	1.79	2.00
4	4	0.5	-0.5	1	1.76	1.54	1.99	1.77	1.44	1.99
4	20	0.5	-0.5	1	1.76	1.57	2.00	1.77	1.45	2.00
4	200	0.5	-0.5	1	1.76	1.56	2.00	1.76	1.46	2.00
4	1000	0.5	-0.5	1	1.76	1.56	2.00	1.76	1.46	2.00
20	4	0.5	-0.5	1	1.98	1.55	2.00	1.96	1.43	2.00
20	20	0.5	-0.5	1	1.98	1.56	2.00	1.97	1.47	2.00

20	200	0.5	-0.5	1	1.98	1.55	2.00	1.97	1.52	2.00
20	1000	0.5	-0.5	1	1.98	1.56	2.00	1.97	1.53	2.00
50	4	0.5	-0.5	1	2.00	1.55	2.00	1.99	1.47	2.00
50	20	0.5	-0.5	1	2.00	1.56	2.00	1.99	1.51	2.00
50	200	0.5	-0.5	1	2.00	1.56	2.00	1.99	1.54	2.00
50	1000	0.5	-0.5	1	2.00	1.56	2.00	1.99	1.55	2.00
100	4	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.49	2.00
100	20	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.53	2.00
100	200	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.55	2.00
100	1000	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.55	2.00
200	4	0.5	-0.5	1	2.00	1.55	2.00	2.00	1.49	2.00
200	20	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.54	2.00
200	200	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.55	2.00
200	1000	0.5	-0.5	1	2.00	1.56	2.00	2.00	1.55	2.00
4	4	0	-0.8	1	1.72	1.41	2.00	1.75	1.39	2.00
4	20	0	-0.8	1	1.74	1.39	2.00	1.76	1.34	2.00
4	200	0	-0.8	1	1.73	1.39	2.00	1.75	1.46	2.00
4	1000	0	-0.8	1	1.74	1.39	2.00	1.76	1.49	2.00
20	4	0	-0.8	1	1.98	1.39	2.00	1.98	1.64	2.00
20	20	0	-0.8	1	1.98	1.39	2.00	1.98	1.66	2.00
20	200	0	-0.8	1	1.98	1.39	2.00	1.98	1.67	2.00
20	1000	0	-0.8	1	1.98	1.39	2.00	1.98	1.66	2.00
50	4	0	-0.8	1	2.00	1.39	2.00	2.00	1.67	2.00
50	20	0	-0.8	1	2.00	1.40	2.00	2.00	1.68	2.00
50	200	0	-0.8	1	2.00	1.39	2.00	2.00	1.68	2.00
50	1000	0	-0.8	1	2.00	1.39	2.00	2.00	1.68	2.00
100	4	0	-0.8	1	2.00	1.39	2.00	2.00	1.68	2.00
100	20	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
100	200	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
100	1000	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
200	4	0	-0.8	1	2.00	1.39	2.00	2.00	1.68	2.00
200	20	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
200	200	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
200	1000	0	-0.8	1	2.00	1.39	2.00	2.00	1.69	2.00
4	4	0.5	-0.8	1	1.63	1.37	1.99	1.63	1.00	1.99
4	20	0.5	-0.8	1	1.66	1.39	2.00	1.66	0.89	2.00
4	200	0.5	-0.8	1	1.66	1.40	2.00	1.66	0.89	2.00
4	1000	0.5	-0.8	1	1.66	1.39	2.00	1.66	0.89	2.00

20	4	0.5	-0.8	1	1.96	1.40	2.00	1.94	0.81	1.99
20	20	0.5	-0.8	1	1.97	1.40	2.00	1.95	0.81	2.00
20	200	0.5	-0.8	1	1.96	1.40	2.00	1.95	0.81	2.00
20	1000	0.5	-0.8	1	1.96	1.39	2.00	1.95	0.81	2.00
50	4	0.5	-0.8	1	1.99	1.39	2.00	1.98	0.80	1.99
50	20	0.5	-0.8	1	1.99	1.39	2.00	1.99	0.80	2.00
50	200	0.5	-0.8	1	1.99	1.39	2.00	1.99	0.80	2.00
50	1000	0.5	-0.8	1	1.99	1.39	2.00	1.99	0.80	2.00
100	4	0.5	-0.8	1	2.00	1.40	2.00	2.00	0.79	2.00
100	20	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
100	200	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
100	1000	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
200	4	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
200	20	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
200	200	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
200	1000	0.5	-0.8	1	2.00	1.39	2.00	2.00	0.79	2.00
4	4	0	0.0	2	2.00	2.00	2.00	2.01	2.01	2.00
4	20	0	0.0	2	2.00	2.00	2.00	2.01	2.00	2.00
4	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	2	2.01	2.02	2.00	2.01	2.02	2.00
4	20	0.5	0.0	2	1.99	1.99	2.00	1.99	1.99	2.00

4	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	2	2.00	2.01	2.00	2.00	2.01	2.00
20	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	2	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	2	2.08	2.13	2.00	2.07	2.09	2.00
4	20	0	0.2	2	2.06	2.12	2.00	2.05	2.08	2.00
4	200	0	0.2	2	2.06	2.12	2.00	2.05	2.09	2.00
4	1000	0	0.2	2	2.06	2.12	2.00	2.05	2.09	2.00
20	4	0	0.2	2	2.01	2.11	2.00	2.00	2.06	2.00
20	20	0	0.2	2	2.01	2.12	2.00	2.01	2.07	2.00
20	200	0	0.2	2	2.01	2.12	2.00	2.01	2.07	2.00
20	1000	0	0.2	2	2.01	2.12	2.00	2.01	2.07	2.00
50	4	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
50	20	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
50	200	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
50	1000	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
100	4	0	0.2	2	2.00	2.12	2.00	2.00	2.07	2.00
100	20	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
100	200	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
100	1000	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
200	4	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
200	20	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
200	200	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00
200	1000	0	0.2	2	2.00	2.12	2.00	2.00	2.06	2.00

4	4	0.5	0.2	2	2.07	2.12	2.00	2.06	2.13	2.00
4	20	0.5	0.2	2	2.08	2.12	2.00	2.08	2.11	2.00
4	200	0.5	0.2	2	2.08	2.12	2.00	2.07	2.11	2.00
4	1000	0.5	0.2	2	2.08	2.12	2.00	2.08	2.11	2.00
20	4	0.5	0.2	2	2.02	2.12	2.00	2.02	2.10	2.00
20	20	0.5	0.2	2	2.01	2.12	2.00	2.02	2.10	2.00
20	200	0.5	0.2	2	2.01	2.12	2.00	2.02	2.10	2.00
20	1000	0.5	0.2	2	2.01	2.12	2.00	2.02	2.10	2.00
50	4	0.5	0.2	2	2.00	2.12	2.00	2.01	2.10	2.00
50	20	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
50	200	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
50	1000	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
100	4	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
100	20	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
100	200	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
100	1000	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
200	4	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
200	20	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
200	200	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
200	1000	0.5	0.2	2	2.00	2.12	2.00	2.00	2.10	2.00
4	4	0	0.5	2	2.17	2.29	2.00	2.16	2.27	2.00
4	20	0	0.5	2	2.15	2.28	2.00	2.14	2.22	2.00
4	200	0	0.5	2	2.15	2.29	2.00	2.13	2.22	2.00
4	1000	0	0.5	2	2.14	2.29	2.00	2.13	2.22	2.00
20	4	0	0.5	2	2.02	2.29	2.00	2.02	2.17	2.00
20	20	0	0.5	2	2.01	2.28	2.00	2.01	2.16	2.00
20	200	0	0.5	2	2.02	2.29	2.00	2.01	2.16	2.00
20	1000	0	0.5	2	2.02	2.29	2.00	2.01	2.17	2.00
50	4	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
50	20	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
50	200	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
50	1000	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
100	4	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
100	20	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
100	200	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
100	1000	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
200	4	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
200	20	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00

200	200	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
200	1000	0	0.5	2	2.00	2.29	2.00	2.00	2.16	2.00
4	4	0.5	0.5	2	2.19	2.28	2.00	2.19	2.29	2.00
4	20	0.5	0.5	2	2.18	2.28	2.00	2.18	2.27	2.00
4	200	0.5	0.5	2	2.19	2.29	2.00	2.18	2.27	2.00
4	1000	0.5	0.5	2	2.19	2.29	2.00	2.19	2.28	2.00
20	4	0.5	0.5	2	2.03	2.29	2.00	2.05	2.26	2.00
20	20	0.5	0.5	2	2.03	2.29	2.00	2.04	2.26	2.00
20	200	0.5	0.5	2	2.03	2.29	2.00	2.04	2.26	2.00
20	1000	0.5	0.5	2	2.03	2.29	2.00	2.04	2.26	2.00
50	4	0.5	0.5	2	2.01	2.29	2.00	2.01	2.26	2.00
50	20	0.5	0.5	2	2.01	2.29	2.00	2.01	2.26	2.00
50	200	0.5	0.5	2	2.01	2.29	2.00	2.01	2.26	2.00
50	1000	0.5	0.5	2	2.01	2.29	2.00	2.01	2.26	2.00
100	4	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
100	20	0.5	0.5	2	2.00	2.28	2.00	2.00	2.26	2.00
100	200	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
100	1000	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
200	4	0.5	0.5	2	2.00	2.28	2.00	2.00	2.25	2.00
200	20	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
200	200	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
200	1000	0.5	0.5	2	2.00	2.29	2.00	2.00	2.26	2.00
4	4	0	0.8	2	2.24	2.42	2.00	2.22	2.42	2.00
4	20	0	0.8	2	2.23	2.43	2.00	2.21	2.37	2.00
4	200	0	0.8	2	2.22	2.43	2.00	2.20	2.36	2.00
4	1000	0	0.8	2	2.22	2.43	2.00	2.20	2.36	2.00
20	4	0	0.8	2	2.03	2.43	2.00	2.03	2.27	2.00
20	20	0	0.8	2	2.02	2.43	2.00	2.02	2.27	2.00
20	200	0	0.8	2	2.02	2.43	2.00	2.02	2.27	2.00
20	1000	0	0.8	2	2.02	2.43	2.00	2.02	2.27	2.00
50	4	0	0.8	2	2.00	2.43	2.00	2.00	2.26	2.00
50	20	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
50	200	0	0.8	2	2.00	2.42	2.00	2.00	2.25	2.00
50	1000	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
100	4	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
100	20	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
100	200	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
100	1000	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00

200	4	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
200	20	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
200	200	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
200	1000	0	0.8	2	2.00	2.43	2.00	2.00	2.25	2.00
4	4	0.5	0.8	2	2.29	2.42	2.00	2.29	2.46	2.00
4	20	0.5	0.8	2	2.29	2.43	2.00	2.29	2.49	2.00
4	200	0.5	0.8	2	2.28	2.42	2.00	2.28	2.50	2.00
4	1000	0.5	0.8	2	2.28	2.42	2.00	2.28	2.50	2.00
20	4	0.5	0.8	2	2.05	2.43	2.00	2.08	2.54	2.01
20	20	0.5	0.8	2	2.04	2.43	2.00	2.07	2.53	2.00
20	200	0.5	0.8	2	2.04	2.42	2.00	2.06	2.53	2.00
20	1000	0.5	0.8	2	2.04	2.43	2.00	2.06	2.53	2.00
50	4	0.5	0.8	2	2.01	2.42	2.00	2.02	2.53	2.00
50	20	0.5	0.8	2	2.01	2.43	2.00	2.02	2.54	2.00
50	200	0.5	0.8	2	2.01	2.43	2.00	2.02	2.54	2.00
50	1000	0.5	0.8	2	2.01	2.43	2.00	2.02	2.54	2.00
100	4	0.5	0.8	2	2.00	2.43	2.00	2.01	2.54	2.00
100	20	0.5	0.8	2	2.00	2.42	2.00	2.01	2.54	2.00
100	200	0.5	0.8	2	2.00	2.43	2.00	2.01	2.54	2.00
100	1000	0.5	0.8	2	2.00	2.43	2.00	2.01	2.54	2.00
200	4	0.5	0.8	2	2.00	2.43	2.00	2.00	2.54	2.00
200	20	0.5	0.8	2	2.00	2.42	2.00	2.00	2.54	2.00
200	200	0.5	0.8	2	2.00	2.43	2.00	2.00	2.54	2.00
200	1000	0.5	0.8	2	2.00	2.43	2.00	2.00	2.54	2.00
4	4	0	-0.2	2	1.93	1.86	2.00	1.93	1.90	2.00
4	20	0	-0.2	2	1.93	1.87	2.00	1.94	1.90	2.00
4	200	0	-0.2	2	1.94	1.88	2.00	1.95	1.91	2.00
4	1000	0	-0.2	2	1.94	1.88	2.00	1.95	1.91	2.00
20	4	0	-0.2	2	1.99	1.88	2.00	1.99	1.93	2.00
20	20	0	-0.2	2	1.99	1.89	2.00	2.00	1.94	2.00
20	200	0	-0.2	2	1.99	1.88	2.00	1.99	1.93	2.00
20	1000	0	-0.2	2	1.99	1.88	2.00	1.99	1.93	2.00
50	4	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
50	20	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
50	200	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
50	1000	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
100	4	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
100	20	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00

100	200	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
100	1000	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
200	4	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
200	20	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
200	200	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
200	1000	0	-0.2	2	2.00	1.88	2.00	2.00	1.94	2.00
4	4	0.5	-0.2	2	1.91	1.87	2.00	1.91	1.88	2.00
4	20	0.5	-0.2	2	1.93	1.88	2.00	1.93	1.90	2.00
4	200	0.5	-0.2	2	1.92	1.88	2.00	1.92	1.89	2.00
4	1000	0.5	-0.2	2	1.92	1.88	2.00	1.92	1.89	2.00
20	4	0.5	-0.2	2	1.99	1.88	2.00	1.98	1.90	2.00
20	20	0.5	-0.2	2	1.99	1.88	2.00	1.98	1.90	2.00
20	200	0.5	-0.2	2	1.99	1.88	2.00	1.98	1.90	2.00
20	1000	0.5	-0.2	2	1.99	1.88	2.00	1.98	1.90	2.00
50	4	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.91	2.00
50	20	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
50	200	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
50	1000	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
100	4	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
100	20	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
100	200	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
100	1000	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
200	4	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
200	20	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
200	200	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
200	1000	0.5	-0.2	2	2.00	1.88	2.00	2.00	1.90	2.00
4	4	0	-0.5	2	1.84	1.71	2.00	1.86	1.75	2.00
4	20	0	-0.5	2	1.85	1.71	2.00	1.87	1.78	2.00
4	200	0	-0.5	2	1.85	1.71	2.00	1.87	1.78	2.00
4	1000	0	-0.5	2	1.86	1.71	2.00	1.87	1.78	2.00
20	4	0	-0.5	2	1.98	1.71	2.00	1.98	1.84	2.00
20	20	0	-0.5	2	1.98	1.71	2.00	1.99	1.83	2.00
20	200	0	-0.5	2	1.98	1.71	2.00	1.99	1.83	2.00
20	1000	0	-0.5	2	1.98	1.71	2.00	1.99	1.84	2.00
50	4	0	-0.5	2	2.00	1.72	2.00	2.00	1.84	2.00
50	20	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
50	200	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
50	1000	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00

100	4	0	-0.5	2	2.00	1.72	2.00	2.00	1.84	2.00
100	20	0	-0.5	2	2.00	1.72	2.00	2.00	1.84	2.00
100	200	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
100	1000	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
200	4	0	-0.5	2	2.00	1.72	2.00	2.00	1.84	2.00
200	20	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
200	200	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
200	1000	0	-0.5	2	2.00	1.71	2.00	2.00	1.84	2.00
4	4	0.5	-0.5	2	1.82	1.73	2.00	1.83	1.74	2.00
4	20	0.5	-0.5	2	1.81	1.71	2.00	1.81	1.72	2.00
4	200	0.5	-0.5	2	1.81	1.72	2.00	1.81	1.73	2.00
4	1000	0.5	-0.5	2	1.81	1.71	2.00	1.81	1.72	2.00
20	4	0.5	-0.5	2	1.97	1.71	2.00	1.95	1.73	2.00
20	20	0.5	-0.5	2	1.97	1.72	2.00	1.96	1.74	2.00
20	200	0.5	-0.5	2	1.97	1.71	2.00	1.96	1.74	2.00
20	1000	0.5	-0.5	2	1.97	1.71	2.00	1.96	1.74	2.00
50	4	0.5	-0.5	2	1.99	1.71	2.00	1.99	1.74	2.00
50	20	0.5	-0.5	2	1.99	1.71	2.00	1.99	1.74	2.00
50	200	0.5	-0.5	2	1.99	1.71	2.00	1.99	1.74	2.00
50	1000	0.5	-0.5	2	1.99	1.71	2.00	1.99	1.74	2.00
100	4	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
100	20	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
100	200	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
100	1000	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
200	4	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
200	20	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
200	200	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
200	1000	0.5	-0.5	2	2.00	1.71	2.00	2.00	1.74	2.00
4	4	0	-0.8	2	1.75	1.56	2.00	1.78	1.59	2.00
4	20	0	-0.8	2	1.78	1.58	2.00	1.80	1.65	2.00
4	200	0	-0.8	2	1.78	1.57	2.00	1.80	1.64	2.00
4	1000	0	-0.8	2	1.78	1.57	2.00	1.80	1.64	2.00
20	4	0	-0.8	2	1.97	1.57	2.00	1.97	1.72	2.00
20	20	0	-0.8	2	1.98	1.57	2.00	1.98	1.73	2.00
20	200	0	-0.8	2	1.98	1.57	2.00	1.98	1.73	2.00
20	1000	0	-0.8	2	1.98	1.57	2.00	1.98	1.73	2.00
50	4	0	-0.8	2	1.99	1.58	2.00	1.99	1.74	2.00
50	20	0	-0.8	2	2.00	1.58	2.00	2.00	1.75	2.00

50	200	0	-0.8	2	2.00	1.58	2.00	2.00	1.75	2.00
50	1000	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
100	4	0	-0.8	2	2.00	1.58	2.00	2.00	1.75	2.00
100	20	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
100	200	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
100	1000	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
200	4	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
200	20	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
200	200	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
200	1000	0	-0.8	2	2.00	1.57	2.00	2.00	1.75	2.00
4	4	0.5	-0.8	2	1.71	1.58	2.00	1.71	1.52	2.00
4	20	0.5	-0.8	2	1.72	1.58	2.00	1.72	1.50	2.00
4	200	0.5	-0.8	2	1.72	1.57	2.00	1.72	1.50	2.00
4	1000	0.5	-0.8	2	1.72	1.58	2.00	1.72	1.51	2.00
20	4	0.5	-0.8	2	1.95	1.57	2.00	1.91	1.47	2.00
20	20	0.5	-0.8	2	1.96	1.57	2.00	1.93	1.47	2.00
20	200	0.5	-0.8	2	1.96	1.57	2.00	1.94	1.47	2.00
20	1000	0.5	-0.8	2	1.96	1.57	2.00	1.94	1.47	2.00
50	4	0.5	-0.8	2	1.99	1.57	2.00	1.98	1.47	2.00
50	20	0.5	-0.8	2	1.99	1.57	2.00	1.98	1.46	2.00
50	200	0.5	-0.8	2	1.99	1.57	2.00	1.98	1.46	2.00
50	1000	0.5	-0.8	2	1.99	1.57	2.00	1.98	1.46	2.00
100	4	0.5	-0.8	2	2.00	1.58	2.00	1.99	1.46	2.00
100	20	0.5	-0.8	2	2.00	1.57	2.00	1.99	1.46	2.00
100	200	0.5	-0.8	2	2.00	1.57	2.00	1.99	1.46	2.00
100	1000	0.5	-0.8	2	2.00	1.57	2.00	1.99	1.46	2.00
200	4	0.5	-0.8	2	2.00	1.58	2.00	2.00	1.46	2.00
200	20	0.5	-0.8	2	2.00	1.57	2.00	2.00	1.46	2.00
200	200	0.5	-0.8	2	2.00	1.57	2.00	2.00	1.46	2.00
200	1000	0.5	-0.8	2	2.00	1.57	2.00	2.00	1.46	2.00
4	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00

50	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0.5	0.0	8	2.00	2.01	2.00	2.00	2.00	2.00
4	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
20	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
50	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
100	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	4	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	20	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	200	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
200	1000	0.5	0.0	8	2.00	2.00	2.00	2.00	2.00	2.00
4	4	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	20	0	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
4	200	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
4	1000	0	0.2	8	2.02	2.03	2.00	2.01	2.02	2.00
20	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
20	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00

20	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
20	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	20	0.5	0.2	8	2.02	2.03	2.00	2.02	2.02	2.00
4	200	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
4	1000	0.5	0.2	8	2.02	2.03	2.00	2.02	2.03	2.00
20	4	0.5	0.2	8	2.01	2.03	2.00	2.01	2.03	2.00
20	20	0.5	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	200	0.5	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
20	1000	0.5	0.2	8	2.01	2.03	2.00	2.01	2.02	2.00
50	4	0.5	0.2	8	2.00	2.03	2.00	2.01	2.02	2.00
50	20	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	200	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
50	1000	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	4	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	20	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	200	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
100	1000	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	4	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	20	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	200	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
200	1000	0.5	0.2	8	2.00	2.03	2.00	2.00	2.02	2.00
4	4	0	0.5	8	2.04	2.07	2.00	2.03	2.05	2.00
4	20	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	200	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00
4	1000	0	0.5	8	2.04	2.07	2.00	2.04	2.06	2.00

20	4	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
20	20	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
20	200	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
20	1000	0	0.5	8	2.01	2.07	2.00	2.01	2.04	2.00
50	4	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
50	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
50	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
50	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	4	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
100	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	4	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	20	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	200	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
200	1000	0	0.5	8	2.00	2.07	2.00	2.00	2.04	2.00
4	4	0.5	0.5	8	2.06	2.07	2.00	2.05	2.07	2.00
4	20	0.5	0.5	8	2.05	2.07	2.00	2.05	2.07	2.00
4	200	0.5	0.5	8	2.05	2.07	2.00	2.05	2.07	2.00
4	1000	0.5	0.5	8	2.05	2.07	2.00	2.05	2.07	2.00
20	4	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
20	20	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
20	200	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
20	1000	0.5	0.5	8	2.02	2.07	2.00	2.03	2.06	2.00
50	4	0.5	0.5	8	2.01	2.07	2.00	2.02	2.06	2.00
50	20	0.5	0.5	8	2.01	2.07	2.00	2.01	2.06	2.00
50	200	0.5	0.5	8	2.01	2.07	2.00	2.01	2.06	2.00
50	1000	0.5	0.5	8	2.01	2.07	2.00	2.01	2.06	2.00
100	4	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	20	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	200	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
100	1000	0.5	0.5	8	2.00	2.07	2.00	2.01	2.06	2.00
200	4	0.5	0.5	8	2.00	2.07	2.00	2.00	2.06	2.00
200	20	0.5	0.5	8	2.00	2.07	2.00	2.00	2.06	2.00
200	200	0.5	0.5	8	2.00	2.07	2.00	2.00	2.06	2.00
200	1000	0.5	0.5	8	2.00	2.07	2.00	2.00	2.06	2.00
4	4	0	0.8	8	2.07	2.11	2.00	2.07	2.10	2.00
4	20	0	0.8	8	2.07	2.11	2.00	2.06	2.09	2.00

4	200	0	0.8	8	2.06	2.11	2.00	2.06	2.09	2.00
4	1000	0	0.8	8	2.06	2.11	2.00	2.06	2.09	2.00
20	4	0	0.8	8	2.02	2.11	2.00	2.02	2.07	2.00
20	20	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
20	200	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
20	1000	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
50	4	0	0.8	8	2.01	2.11	2.00	2.01	2.07	2.00
50	20	0	0.8	8	2.01	2.11	2.00	2.00	2.07	2.00
50	200	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
50	1000	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	4	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	20	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	200	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
100	1000	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	4	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	20	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	200	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
200	1000	0	0.8	8	2.00	2.11	2.00	2.00	2.07	2.00
4	4	0.5	0.8	8	2.09	2.11	2.00	2.09	2.11	2.00
4	20	0.5	0.8	8	2.08	2.11	2.00	2.08	2.11	2.00
4	200	0.5	0.8	8	2.08	2.11	2.00	2.08	2.11	2.00
4	1000	0.5	0.8	8	2.08	2.11	2.00	2.08	2.11	2.00
20	4	0.5	0.8	8	2.03	2.11	2.00	2.05	2.11	2.00
20	20	0.5	0.8	8	2.03	2.11	2.00	2.05	2.10	2.00
20	200	0.5	0.8	8	2.03	2.11	2.00	2.04	2.10	2.00
20	1000	0.5	0.8	8	2.03	2.11	2.00	2.04	2.10	2.00
50	4	0.5	0.8	8	2.01	2.11	2.00	2.03	2.10	2.00
50	20	0.5	0.8	8	2.01	2.11	2.00	2.02	2.10	2.00
50	200	0.5	0.8	8	2.01	2.11	2.00	2.02	2.10	2.00
50	1000	0.5	0.8	8	2.01	2.11	2.00	2.02	2.10	2.00
100	4	0.5	0.8	8	2.00	2.11	2.00	2.02	2.10	2.00
100	20	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
100	200	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
100	1000	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
200	4	0.5	0.8	8	2.00	2.11	2.00	2.01	2.10	2.00
200	20	0.5	0.8	8	2.00	2.11	2.00	2.00	2.10	2.00
200	200	0.5	0.8	8	2.00	2.11	2.00	2.00	2.10	2.00
200	1000	0.5	0.8	8	2.00	2.11	2.00	2.00	2.10	2.00

4	4	0	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	20	0	-0.2	8	1.98	1.97	2.00	1.99	1.98	2.00
4	200	0	-0.2	8	1.98	1.97	2.00	1.99	1.98	2.00
4	1000	0	-0.2	8	1.98	1.97	2.00	1.99	1.98	2.00
20	4	0	-0.2	8	1.99	1.97	2.00	2.00	1.98	2.00
20	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
20	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
20	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	20	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	200	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
4	4	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	20	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	200	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
4	1000	0.5	-0.2	8	1.98	1.97	2.00	1.98	1.97	2.00
20	4	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
20	20	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.97	2.00
20	200	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
20	1000	0.5	-0.2	8	1.99	1.97	2.00	1.99	1.98	2.00
50	4	0.5	-0.2	8	2.00	1.97	2.00	1.99	1.98	2.00
50	20	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	200	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
50	1000	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	4	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	20	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	200	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
100	1000	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	4	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	20	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00

200	200	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
200	1000	0.5	-0.2	8	2.00	1.97	2.00	2.00	1.98	2.00
4	4	0	-0.5	8	1.95	1.93	2.00	1.96	1.94	2.00
4	20	0	-0.5	8	1.96	1.93	2.00	1.97	1.95	2.00
4	200	0	-0.5	8	1.96	1.93	2.00	1.96	1.94	2.00
4	1000	0	-0.5	8	1.96	1.93	2.00	1.96	1.94	2.00
20	4	0	-0.5	8	1.99	1.93	2.00	1.99	1.96	2.00
20	20	0	-0.5	8	1.99	1.93	2.00	1.99	1.96	2.00
20	200	0	-0.5	8	1.99	1.93	2.00	1.99	1.96	2.00
20	1000	0	-0.5	8	1.99	1.93	2.00	1.99	1.96	2.00
50	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
50	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
100	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	4	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	20	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	200	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
200	1000	0	-0.5	8	2.00	1.93	2.00	2.00	1.96	2.00
4	4	0.5	-0.5	8	1.94	1.93	2.00	1.94	1.93	2.00
4	20	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
4	200	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
4	1000	0.5	-0.5	8	1.95	1.93	2.00	1.95	1.93	2.00
20	4	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
20	20	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
20	200	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
20	1000	0.5	-0.5	8	1.98	1.93	2.00	1.97	1.94	2.00
50	4	0.5	-0.5	8	1.99	1.93	2.00	1.98	1.94	2.00
50	20	0.5	-0.5	8	1.99	1.93	2.00	1.99	1.94	2.00
50	200	0.5	-0.5	8	1.99	1.93	2.00	1.99	1.94	2.00
50	1000	0.5	-0.5	8	1.99	1.93	2.00	1.99	1.94	2.00
100	4	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	20	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	200	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00
100	1000	0.5	-0.5	8	2.00	1.93	2.00	1.99	1.94	2.00

200	4	0.5	-0.5	8	2.00	1.93	2.00	2.00	1.94	2.00
200	20	0.5	-0.5	8	2.00	1.93	2.00	2.00	1.94	2.00
200	200	0.5	-0.5	8	2.00	1.93	2.00	2.00	1.94	2.00
200	1000	0.5	-0.5	8	2.00	1.93	2.00	2.00	1.94	2.00
4	4	0	-0.8	8	1.93	1.89	2.00	1.93	1.90	2.00
4	20	0	-0.8	8	1.93	1.89	2.00	1.94	1.91	2.00
4	200	0	-0.8	8	1.93	1.89	2.00	1.94	1.91	2.00
4	1000	0	-0.8	8	1.94	1.89	2.00	1.94	1.91	2.00
20	4	0	-0.8	8	1.98	1.89	2.00	1.98	1.93	2.00
20	20	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
20	200	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
20	1000	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
50	4	0	-0.8	8	1.99	1.89	2.00	1.99	1.93	2.00
50	20	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
50	200	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
50	1000	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	4	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	20	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	200	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
100	1000	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	4	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	20	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	200	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
200	1000	0	-0.8	8	2.00	1.89	2.00	2.00	1.93	2.00
4	4	0.5	-0.8	8	1.92	1.89	2.00	1.92	1.89	2.00
4	20	0.5	-0.8	8	1.92	1.89	2.00	1.92	1.89	2.00
4	200	0.5	-0.8	8	1.92	1.89	2.00	1.92	1.89	2.00
4	1000	0.5	-0.8	8	1.92	1.89	2.00	1.92	1.89	2.00
20	4	0.5	-0.8	8	1.97	1.89	2.00	1.95	1.90	2.00
20	20	0.5	-0.8	8	1.97	1.89	2.00	1.95	1.90	2.00
20	200	0.5	-0.8	8	1.98	1.89	2.00	1.96	1.90	2.00
20	1000	0.5	-0.8	8	1.97	1.89	2.00	1.96	1.90	2.00
50	4	0.5	-0.8	8	1.99	1.89	2.00	1.97	1.90	2.00
50	20	0.5	-0.8	8	1.99	1.89	2.00	1.98	1.90	2.00
50	200	0.5	-0.8	8	1.99	1.89	2.00	1.98	1.90	2.00
50	1000	0.5	-0.8	8	1.99	1.89	2.00	1.98	1.90	2.00
100	4	0.5	-0.8	8	2.00	1.89	2.00	1.98	1.90	2.00
100	20	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00

100	200	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00
100	1000	0.5	-0.8	8	2.00	1.89	2.00	1.99	1.90	2.00
200	4	0.5	-0.8	8	2.00	1.89	2.00	2.00	1.90	2.00
200	20	0.5	-0.8	8	2.00	1.89	2.00	2.00	1.90	2.00
200	200	0.5	-0.8	8	2.00	1.89	2.00	2.00	1.90	2.00
200	1000	0.5	-0.8	8	2.00	1.89	2.00	2.00	1.90	2.00

Table A.7
Rejection frequencies of panel estimator with no drift: imposing (1.3.4)

T	n	ρ	δ	σ_x	FE	FD	LS
4	4	0.0	0.0	1	0.07	0.08	0.05
4	20	0.0	0.0	1	0.08	0.07	0.04
4	200	0.0	0.0	1	0.08	0.08	0.04
4	1000	0.0	0.0	1	0.06	0.06	0.03
20	4	0.0	0.0	1	0.06	0.08	0.05
20	20	0.0	0.0	1	0.06	0.05	0.05
20	200	0.0	0.0	1	0.05	0.07	0.05
20	1000	0.0	0.0	1	0.08	0.07	0.07
50	4	0.0	0.0	1	0.05	0.04	0.04
50	20	0.0	0.0	1	0.08	0.08	0.07
50	200	0.0	0.0	1	0.07	0.06	0.06
50	1000	0.0	0.0	1	0.06	0.07	0.08
100	4	0.0	0.0	1	0.03	0.02	0.10
100	20	0.0	0.0	1	0.04	0.08	0.06
100	200	0.0	0.0	1	0.07	0.04	0.02
100	1000	0.0	0.0	1	0.08	0.06	0.06
200	4	0.0	0.0	1	0.05	0.05	0.03
200	20	0.0	0.0	1	0.04	0.08	0.06
200	200	0.0	0.0	1	0.07	0.04	0.07
200	1000	0.0	0.0	1	0.06	0.04	0.08

4	4	0.0	0.2	1	0.08	0.14	0.03
4	20	0.0	0.2	1	0.32	0.53	0.06
4	200	0.0	0.2	1	1.00	1.00	0.06
4	1000	0.0	0.2	1	1.00	1.00	0.13
20	4	0.0	0.2	1	0.11	0.67	0.06
20	20	0.0	0.2	1	0.52	1.00	0.04
20	200	0.0	0.2	1	1.00	1.00	0.14
20	1000	0.0	0.2	1	1.00	1.00	0.39
50	4	0.0	0.2	1	0.13	0.97	0.07
50	20	0.0	0.2	1	0.56	1.00	0.09
50	200	0.0	0.2	1	1.00	1.00	0.23
50	1000	0.0	0.2	1	1.00	1.00	0.76
100	4	0.0	0.2	1	0.10	1.00	0.06
100	20	0.0	0.2	1	0.56	1.00	0.10
100	200	0.0	0.2	1	1.00	1.00	0.43
100	1000	0.0	0.2	1	1.00	1.00	0.95
200	4	0.0	0.2	1	0.20	1.00	0.07
200	20	0.0	0.2	1	0.57	1.00	0.13
200	200	0.0	0.2	1	1.00	1.00	0.58
200	1000	0.0	0.2	1	1.00	1.00	1.00
4	4	0.0	0.5	1	0.32	0.53	0.08
4	20	0.0	0.5	1	0.97	1.00	0.06
4	200	0.0	0.5	1	1.00	1.00	0.13
4	1000	0.0	0.5	1	1.00	1.00	0.35
20	4	0.0	0.5	1	0.55	1.00	0.07
20	20	0.0	0.5	1	0.99	1.00	0.09
20	200	0.0	0.5	1	1.00	1.00	0.36
20	1000	0.0	0.5	1	1.00	1.00	0.97
50	4	0.0	0.5	1	0.58	1.00	0.06
50	20	0.0	0.5	1	1.00	1.00	0.13
50	200	0.0	0.5	1	1.00	1.00	0.72
50	1000	0.0	0.5	1	1.00	1.00	1.00
100	4	0.0	0.5	1	0.55	1.00	0.07
100	20	0.0	0.5	1	1.00	1.00	0.26
100	200	0.0	0.5	1	1.00	1.00	0.96
100	1000	0.0	0.5	1	1.00	1.00	1.00
200	4	0.0	0.5	1	0.59	1.00	0.10
200	20	0.0	0.5	1	1.00	1.00	0.32

200	200	0.0	0.5	1	1.00	1.00	0.99
200	1000	0.0	0.5	1	1.00	1.00	1.00
4	4	0.0	0.8	1	0.56	0.85	0.04
4	20	0.0	0.8	1	1.00	1.00	0.06
4	200	0.0	0.8	1	1.00	1.00	0.19
4	1000	0.0	0.8	1	1.00	1.00	0.47
20	4	0.0	0.8	1	0.68	1.00	0.06
20	20	0.0	0.8	1	1.00	1.00	0.11
20	200	0.0	0.8	1	1.00	1.00	0.55
20	1000	0.0	0.8	1	1.00	1.00	0.98
50	4	0.0	0.8	1	0.73	1.00	0.07
50	20	0.0	0.8	1	1.00	1.00	0.14
50	200	0.0	0.8	1	1.00	1.00	0.86
50	1000	0.0	0.8	1	1.00	1.00	1.00
100	4	0.0	0.8	1	0.79	1.00	0.09
100	20	0.0	0.8	1	1.00	1.00	0.20
100	200	0.0	0.8	1	1.00	1.00	0.99
100	1000	0.0	0.8	1	1.00	1.00	1.00
200	4	0.0	0.8	1	0.74	1.00	0.15
200	20	0.0	0.8	1	1.00	1.00	0.49
200	200	0.0	0.8	1	1.00	1.00	1.00
200	1000	0.0	0.8	1	1.00	1.00	1.00
4	4	0.0	-0.2	1	0.11	0.15	0.05
4	20	0.0	-0.2	1	0.38	0.59	0.05
4	200	0.0	-0.2	1	1.00	1.00	0.08
4	1000	0.0	-0.2	1	1.00	1.00	0.13
20	4	0.0	-0.2	1	0.20	0.70	0.06
20	20	0.0	-0.2	1	0.49	1.00	0.07
20	200	0.0	-0.2	1	1.00	1.00	0.14
20	1000	0.0	-0.2	1	1.00	1.00	0.32
50	4	0.0	-0.2	1	0.17	0.97	0.04
50	20	0.0	-0.2	1	0.56	1.00	0.05
50	200	0.0	-0.2	1	1.00	1.00	0.19
50	1000	0.0	-0.2	1	1.00	1.00	0.78
100	4	0.0	-0.2	1	0.14	1.00	0.07
100	20	0.0	-0.2	1	0.52	1.00	0.09
100	200	0.0	-0.2	1	1.00	1.00	0.40
100	1000	0.0	-0.2	1	1.00	1.00	0.97

200	4	0.0	-0.2	1	0.14	1.00	0.04
200	20	0.0	-0.2	1	0.51	1.00	0.16
200	200	0.0	-0.2	1	1.00	1.00	0.68
200	1000	0.0	-0.2	1	1.00	1.00	1.00
4	4	0.0	-0.5	1	0.32	0.55	0.04
4	20	0.0	-0.5	1	0.98	1.00	0.09
4	200	0.0	-0.5	1	1.00	1.00	0.12
4	1000	0.0	-0.5	1	1.00	1.00	0.39
20	4	0.0	-0.5	1	0.52	1.00	0.02
20	20	0.0	-0.5	1	0.99	1.00	0.08
20	200	0.0	-0.5	1	1.00	1.00	0.38
20	1000	0.0	-0.5	1	1.00	1.00	0.97
50	4	0.0	-0.5	1	0.59	1.00	0.03
50	20	0.0	-0.5	1	1.00	1.00	0.12
50	200	0.0	-0.5	1	1.00	1.00	0.68
50	1000	0.0	-0.5	1	1.00	1.00	1.00
100	4	0.0	-0.5	1	0.62	1.00	0.08
100	20	0.0	-0.5	1	0.99	1.00	0.21
100	200	0.0	-0.5	1	1.00	1.00	0.94
100	1000	0.0	-0.5	1	1.00	1.00	1.00
200	4	0.0	-0.5	1	0.59	1.00	0.11
200	20	0.0	-0.5	1	0.99	1.00	0.33
200	200	0.0	-0.5	1	1.00	1.00	1.00
200	1000	0.0	-0.5	1	1.00	1.00	1.00
4	4	0.0	-0.8	1	0.49	0.83	0.04
4	20	0.0	-0.8	1	1.00	1.00	0.07
4	200	0.0	-0.8	1	1.00	1.00	0.11
4	1000	0.0	-0.8	1	1.00	1.00	0.51
20	4	0.0	-0.8	1	0.69	1.00	0.03
20	20	0.0	-0.8	1	1.00	1.00	0.07
20	200	0.0	-0.8	1	1.00	1.00	0.55
20	1000	0.0	-0.8	1	1.00	1.00	0.99
50	4	0.0	-0.8	1	0.77	1.00	0.09
50	20	0.0	-0.8	1	1.00	1.00	0.18
50	200	0.0	-0.8	1	1.00	1.00	0.84
50	1000	0.0	-0.8	1	1.00	1.00	1.00
100	4	0.0	-0.8	1	0.74	1.00	0.10
100	20	0.0	-0.8	1	1.00	1.00	0.29

100	200	0.0	-0.8	1	1.00	1.00	0.98
100	1000	0.0	-0.8	1	1.00	1.00	1.00
200	4	0.0	-0.8	1	0.77	1.00	0.18
200	20	0.0	-0.8	1	1.00	1.00	0.47
200	200	0.0	-0.8	1	1.00	1.00	1.00
200	1000	0.0	-0.8	1	1.00	1.00	1.00

Table A.8
Rejection frequencies of panel estimator with no drift: imposing (1.3.5)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	0.06	0.10	0.11	0.13	0.11	0.11
4	20	0.2	0.0	1	0.09	0.05	0.12	0.08	0.05	0.11
4	200	0.2	0.0	1	0.05	0.05	0.12	0.09	0.06	0.10
4	1000	0.2	0.0	1	0.07	0.06	0.10	0.09	0.05	0.06
20	4	0.2	0.0	1	0.07	0.03	0.09	0.07	0.03	0.06
20	20	0.2	0.0	1	0.08	0.05	0.12	0.07	0.03	0.08
20	200	0.2	0.0	1	0.08	0.04	0.14	0.07	0.05	0.07
20	1000	0.2	0.0	1	0.09	0.08	0.06	0.07	0.04	0.04
50	4	0.2	0.0	1	0.07	0.02	0.13	0.04	0.05	0.06
50	20	0.2	0.0	1	0.14	0.08	0.11	0.05	0.05	0.05
50	200	0.2	0.0	1	0.09	0.04	0.10	0.05	0.05	0.03
50	1000	0.2	0.0	1	0.09	0.05	0.09	0.05	0.04	0.03
100	4	0.2	0.0	1	0.09	0.07	0.11	0.05	0.03	0.05
100	20	0.2	0.0	1	0.07	0.06	0.13	0.04	0.03	0.07
100	200	0.2	0.0	1	0.18	0.06	0.14	0.09	0.06	0.03
100	1000	0.2	0.0	1	0.11	0.06	0.12	0.07	0.05	0.06
200	4	0.2	0.0	1	0.11	0.04	0.12	0.08	0.04	0.06
200	20	0.2	0.0	1	0.09	0.07	0.06	0.04	0.06	0.01
200	200	0.2	0.0	1	0.08	0.06	0.09	0.03	0.04	0.04
200	1000	0.2	0.0	1	0.16	0.07	0.17	0.08	0.05	0.07
4	4	0.8	0.0	1	0.13	0.07	0.26	0.18	0.15	0.15
4	20	0.8	0.0	1	0.12	0.05	0.29	0.14	0.06	0.14
4	200	0.8	0.0	1	0.10	0.06	0.33	0.11	0.07	0.28
4	1000	0.8	0.0	1	0.10	0.06	0.16	0.09	0.06	0.18
20	4	0.8	0.0	1	0.36	0.06	0.40	0.20	0.07	0.19

20	20	0.8	0.0	1	0.35	0.04	0.48	0.15	0.04	0.30
20	200	0.8	0.0	1	0.43	0.06	0.47	0.19	0.06	0.32
20	1000	0.8	0.0	1	0.39	0.09	0.44	0.23	0.11	0.28
50	4	0.8	0.0	1	0.47	0.05	0.53	0.19	0.05	0.14
50	20	0.8	0.0	1	0.48	0.04	0.49	0.19	0.04	0.22
50	200	0.8	0.0	1	0.43	0.05	0.50	0.18	0.05	0.23
50	1000	0.8	0.0	1	0.48	0.03	0.53	0.20	0.04	0.20
100	4	0.8	0.0	1	0.58	0.04	0.47	0.15	0.04	0.14
100	20	0.8	0.0	1	0.52	0.06	0.53	0.18	0.06	0.20
100	200	0.8	0.0	1	0.44	0.06	0.47	0.14	0.07	0.16
100	1000	0.8	0.0	1	0.42	0.07	0.49	0.18	0.06	0.19
200	4	0.8	0.0	1	0.49	0.07	0.52	0.10	0.07	0.16
200	20	0.8	0.0	1	0.48	0.05	0.49	0.14	0.06	0.14
200	200	0.8	0.0	1	0.46	0.05	0.51	0.13	0.06	0.13
200	1000	0.8	0.0	1	0.47	0.05	0.57	0.16	0.04	0.15
4	4	0.0	0.0	1	0.04	0.04	0.04	0.08	0.07	0.05
4	20	0.0	0.0	1	0.03	0.05	0.04	0.05	0.04	0.04
4	200	0.0	0.0	1	0.08	0.06	0.06	0.12	0.06	0.06
4	1000	0.0	0.0	1	0.04	0.06	0.04	0.08	0.04	0.04
20	4	0.0	0.0	1	0.07	0.05	0.05	0.10	0.04	0.06
20	20	0.0	0.0	1	0.06	0.07	0.08	0.07	0.04	0.08
20	200	0.0	0.0	1	0.06	0.05	0.07	0.07	0.04	0.07
20	1000	0.0	0.0	1	0.07	0.06	0.04	0.08	0.07	0.04
50	4	0.0	0.0	1	0.06	0.02	0.03	0.07	0.02	0.03
50	20	0.0	0.0	1	0.05	0.06	0.04	0.05	0.02	0.04
50	200	0.0	0.0	1	0.02	0.04	0.05	0.04	0.02	0.06
50	1000	0.0	0.0	1	0.08	0.05	0.07	0.08	0.02	0.06
100	4	0.0	0.0	1	0.10	0.05	0.06	0.09	0.05	0.06
100	20	0.0	0.0	1	0.04	0.05	0.05	0.04	0.03	0.05
100	200	0.0	0.0	1	0.04	0.07	0.06	0.04	0.04	0.06
100	1000	0.0	0.0	1	0.06	0.04	0.05	0.06	0.06	0.05
200	4	0.0	0.0	1	0.04	0.07	0.06	0.05	0.05	0.05
200	20	0.0	0.0	1	0.06	0.04	0.05	0.06	0.03	0.06
200	200	0.0	0.0	1	0.05	0.05	0.06	0.05	0.04	0.06
200	1000	0.0	0.0	1	0.06	0.05	0.09	0.06	0.03	0.09
4	4	0.5	0.0	1	0.08	0.07	0.19	0.13	0.14	0.14
4	20	0.5	0.0	1	0.08	0.06	0.18	0.09	0.06	0.13
4	200	0.5	0.0	1	0.08	0.05	0.16	0.09	0.07	0.08

4	1000	0.5	0.0	1	0.09	0.07	0.17	0.11	0.05	0.14
20	4	0.5	0.0	1	0.22	0.03	0.24	0.11	0.04	0.09
20	20	0.5	0.0	1	0.20	0.04	0.21	0.09	0.04	0.07
20	200	0.5	0.0	1	0.19	0.06	0.18	0.07	0.03	0.07
20	1000	0.5	0.0	1	0.18	0.07	0.22	0.08	0.06	0.05
50	4	0.5	0.0	1	0.22	0.06	0.22	0.05	0.06	0.08
50	20	0.5	0.0	1	0.23	0.07	0.27	0.08	0.06	0.08
50	200	0.5	0.0	1	0.24	0.07	0.24	0.10	0.06	0.06
50	1000	0.5	0.0	1	0.26	0.07	0.26	0.07	0.06	0.06
100	4	0.5	0.0	1	0.31	0.06	0.26	0.11	0.06	0.06
100	20	0.5	0.0	1	0.25	0.03	0.25	0.07	0.03	0.04
100	200	0.5	0.0	1	0.18	0.05	0.30	0.06	0.06	0.09
100	1000	0.5	0.0	1	0.21	0.06	0.24	0.08	0.07	0.07
200	4	0.5	0.0	1	0.20	0.06	0.28	0.06	0.08	0.07
200	20	0.5	0.0	1	0.26	0.05	0.24	0.06	0.03	0.05
200	200	0.5	0.0	1	0.24	0.05	0.23	0.05	0.05	0.05
200	1000	0.5	0.0	1	0.19	0.05	0.34	0.06	0.05	0.07

Table A.9
Rejection frequencies of panel estimator with no drift: imposing (1.3.6)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	0.14	0.07	0.07	0.09	0.09	0.10
4	20	0.2	0.0	1	0.14	0.06	0.11	0.13	0.06	0.10
4	200	0.2	0.0	1	0.09	0.06	0.10	0.09	0.05	0.09
4	1000	0.2	0.0	1	0.14	0.08	0.08	0.11	0.08	0.04
20	4	0.2	0.0	1	0.12	0.06	0.13	0.08	0.06	0.07
20	20	0.2	0.0	1	0.10	0.05	0.13	0.07	0.03	0.07
20	200	0.2	0.0	1	0.10	0.05	0.11	0.06	0.04	0.04
20	1000	0.2	0.0	1	0.12	0.06	0.08	0.07	0.04	0.06
50	4	0.2	0.0	1	0.12	0.05	0.16	0.05	0.03	0.11
50	20	0.2	0.0	1	0.08	0.07	0.09	0.04	0.04	0.03
50	200	0.2	0.0	1	0.08	0.04	0.10	0.04	0.04	0.05
50	1000	0.2	0.0	1	0.10	0.04	0.10	0.05	0.04	0.04
100	4	0.2	0.0	1	0.10	0.07	0.09	0.06	0.06	0.05
100	20	0.2	0.0	1	0.09	0.02	0.10	0.04	0.05	0.05

100	200	0.2	0.0	1	0.10	0.03	0.12	0.04	0.04	0.05
100	1000	0.2	0.0	1	0.11	0.05	0.11	0.07	0.02	0.06
200	4	0.2	0.0	1	0.09	0.03	0.08	0.05	0.04	0.06
200	20	0.2	0.0	1	0.12	0.06	0.10	0.06	0.04	0.03
200	200	0.2	0.0	1	0.12	0.06	0.08	0.06	0.03	0.04
200	1000	0.2	0.0	1	0.11	0.04	0.12	0.06	0.02	0.07
4	4	0.8	0.0	1	0.14	0.06	0.30	0.10	0.09	0.24
4	20	0.8	0.0	1	0.16	0.05	0.29	0.10	0.08	0.23
4	200	0.8	0.0	1	0.15	0.03	0.28	0.09	0.04	0.27
4	1000	0.8	0.0	1	0.21	0.05	0.27	0.13	0.04	0.25
20	4	0.8	0.0	1	0.37	0.05	0.40	0.19	0.06	0.14
20	20	0.8	0.0	1	0.41	0.04	0.48	0.16	0.03	0.32
20	200	0.8	0.0	1	0.38	0.05	0.44	0.17	0.05	0.33
20	1000	0.8	0.0	1	0.31	0.06	0.46	0.13	0.06	0.25
50	4	0.8	0.0	1	0.42	0.06	0.47	0.14	0.05	0.17
50	20	0.8	0.0	1	0.46	0.08	0.54	0.16	0.09	0.26
50	200	0.8	0.0	1	0.48	0.05	0.49	0.22	0.05	0.21
50	1000	0.8	0.0	1	0.44	0.04	0.43	0.19	0.04	0.21
100	4	0.8	0.0	1	0.46	0.07	0.48	0.13	0.06	0.19
100	20	0.8	0.0	1	0.48	0.06	0.57	0.22	0.07	0.18
100	200	0.8	0.0	1	0.45	0.05	0.49	0.16	0.06	0.18
100	1000	0.8	0.0	1	0.44	0.06	0.61	0.21	0.06	0.20
200	4	0.8	0.0	1	0.47	0.07	0.58	0.10	0.06	0.13
200	20	0.8	0.0	1	0.48	0.04	0.52	0.15	0.03	0.14
200	200	0.8	0.0	1	0.40	0.05	0.49	0.16	0.05	0.16
200	1000	0.8	0.0	1	0.52	0.07	0.48	0.15	0.06	0.14
4	4	0.2	0.2	1	0.22	0.14	0.09	0.19	0.18	0.11
4	20	0.2	0.2	1	0.57	0.66	0.12	0.46	0.58	0.10
4	200	0.2	0.2	1	1.00	1.00	0.14	1.00	1.00	0.10
4	1000	0.2	0.2	1	1.00	1.00	0.16	1.00	1.00	0.13
20	4	0.2	0.2	1	0.24	0.76	0.10	0.26	0.65	0.06
20	20	0.2	0.2	1	0.71	1.00	0.13	0.77	1.00	0.08
20	200	0.2	0.2	1	1.00	1.00	0.16	1.00	1.00	0.10
20	1000	0.2	0.2	1	1.00	1.00	0.63	1.00	1.00	0.66
50	4	0.2	0.2	1	0.32	1.00	0.08	0.35	0.98	0.04
50	20	0.2	0.2	1	0.74	1.00	0.12	0.87	1.00	0.07
50	200	0.2	0.2	1	1.00	1.00	0.35	1.00	1.00	0.31
50	1000	0.2	0.2	1	1.00	1.00	0.89	1.00	1.00	0.93

100	4	0.2	0.2	1	0.24	1.00	0.13	0.28	1.00	0.09
100	20	0.2	0.2	1	0.68	1.00	0.22	0.83	1.00	0.13
100	200	0.2	0.2	1	1.00	1.00	0.50	1.00	1.00	0.51
100	1000	0.2	0.2	1	1.00	1.00	0.98	1.00	1.00	1.00
200	4	0.2	0.2	1	0.31	1.00	0.15	0.37	1.00	0.08
200	20	0.2	0.2	1	0.71	1.00	0.22	0.90	1.00	0.16
200	200	0.2	0.2	1	1.00	1.00	0.75	1.00	1.00	0.82
200	1000	0.2	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.2	1	0.36	0.25	0.24	0.28	0.29	0.18
4	20	0.8	0.2	1	0.85	0.84	0.28	0.77	0.85	0.16
4	200	0.8	0.2	1	1.00	1.00	0.33	1.00	1.00	0.39
4	1000	0.8	0.2	1	1.00	1.00	0.63	1.00	1.00	0.66
20	4	0.8	0.2	1	0.54	0.88	0.42	0.71	0.89	0.15
20	20	0.8	0.2	1	0.91	1.00	0.44	0.99	1.00	0.32
20	200	0.8	0.2	1	1.00	1.00	0.60	1.00	1.00	0.68
20	1000	0.8	0.2	1	1.00	1.00	0.90	1.00	1.00	0.99
50	4	0.8	0.2	1	0.70	1.00	0.50	0.94	1.00	0.21
50	20	0.8	0.2	1	0.92	1.00	0.60	1.00	1.00	0.47
50	200	0.8	0.2	1	1.00	1.00	0.77	1.00	1.00	0.97
50	1000	0.8	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.2	1	0.67	1.00	0.53	0.99	1.00	0.32
100	20	0.8	0.2	1	0.95	1.00	0.54	1.00	1.00	0.63
100	200	0.8	0.2	1	1.00	1.00	0.86	1.00	1.00	1.00
100	1000	0.8	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.2	1	0.63	1.00	0.50	1.00	1.00	0.47
200	20	0.8	0.2	1	0.98	1.00	0.59	1.00	1.00	0.88
200	200	0.8	0.2	1	1.00	1.00	0.95	1.00	1.00	1.00
200	1000	0.8	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.5	1	0.60	0.67	0.06	0.48	0.59	0.09
4	20	0.2	0.5	1	0.99	1.00	0.07	0.99	1.00	0.06
4	200	0.2	0.5	1	1.00	1.00	0.15	1.00	1.00	0.13
4	1000	0.2	0.5	1	1.00	1.00	0.52	1.00	1.00	0.51
20	4	0.2	0.5	1	0.68	1.00	0.11	0.84	1.00	0.09
20	20	0.2	0.5	1	1.00	1.00	0.16	1.00	1.00	0.11
20	200	0.2	0.5	1	1.00	1.00	0.50	1.00	1.00	0.52
20	1000	0.2	0.5	1	1.00	1.00	0.97	1.00	1.00	0.99
50	4	0.2	0.5	1	0.70	1.00	0.14	0.89	1.00	0.09
50	20	0.2	0.5	1	1.00	1.00	0.18	1.00	1.00	0.16

50	200	0.2	0.5	1	1.00	1.00	0.82	1.00	1.00	0.88
50	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.5	1	0.69	1.00	0.17	0.88	1.00	0.14
100	20	0.2	0.5	1	1.00	1.00	0.35	1.00	1.00	0.33
100	200	0.2	0.5	1	1.00	1.00	0.97	1.00	1.00	1.00
100	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	1	0.67	1.00	0.18	0.87	1.00	0.14
200	20	0.2	0.5	1	1.00	1.00	0.45	1.00	1.00	0.45
200	200	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.5	1	0.86	0.93	0.21	0.81	0.90	0.14
4	20	0.8	0.5	1	1.00	1.00	0.30	1.00	1.00	0.22
4	200	0.8	0.5	1	1.00	1.00	0.57	1.00	1.00	0.57
4	1000	0.8	0.5	1	1.00	1.00	0.95	1.00	1.00	0.97
20	4	0.8	0.5	1	0.93	1.00	0.41	1.00	1.00	0.16
20	20	0.8	0.5	1	1.00	1.00	0.56	1.00	1.00	0.48
20	200	0.8	0.5	1	1.00	1.00	0.87	1.00	1.00	0.98
20	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.5	1	0.97	1.00	0.48	1.00	1.00	0.32
50	20	0.8	0.5	1	1.00	1.00	0.61	1.00	1.00	0.82
50	200	0.8	0.5	1	1.00	1.00	0.97	1.00	1.00	1.00
50	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	1	0.94	1.00	0.59	1.00	1.00	0.48
100	20	0.8	0.5	1	1.00	1.00	0.73	1.00	1.00	0.98
100	200	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	1	0.91	1.00	0.67	1.00	1.00	0.73
200	20	0.8	0.5	1	1.00	1.00	0.85	1.00	1.00	0.99
200	200	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	1	0.78	0.95	0.06	0.71	0.95	0.08
4	20	0.2	0.8	1	1.00	1.00	0.11	1.00	1.00	0.09
4	200	0.2	0.8	1	1.00	1.00	0.18	1.00	1.00	0.16
4	1000	0.2	0.8	1	1.00	1.00	0.69	1.00	1.00	0.71
20	4	0.2	0.8	1	0.85	1.00	0.15	0.98	1.00	0.10
20	20	0.2	0.8	1	1.00	1.00	0.21	1.00	1.00	0.14
20	200	0.2	0.8	1	1.00	1.00	0.64	1.00	1.00	0.67
20	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00

50	4	0.2	0.8	1	0.87	1.00	0.11	0.98	1.00	0.08
50	20	0.2	0.8	1	1.00	1.00	0.32	1.00	1.00	0.27
50	200	0.2	0.8	1	1.00	1.00	0.93	1.00	1.00	0.96
50	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	1	0.81	1.00	0.22	0.95	1.00	0.17
100	20	0.2	0.8	1	1.00	1.00	0.38	1.00	1.00	0.38
100	200	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	1	0.83	1.00	0.20	0.96	1.00	0.19
200	20	0.2	0.8	1	1.00	1.00	0.59	1.00	1.00	0.62
200	200	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	1	0.99	1.00	0.23	0.97	1.00	0.15
4	20	0.8	0.8	1	1.00	1.00	0.27	1.00	1.00	0.18
4	200	0.8	0.8	1	1.00	1.00	0.65	1.00	1.00	0.66
4	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
20	4	0.8	0.8	1	0.98	1.00	0.38	1.00	1.00	0.17
20	20	0.8	0.8	1	1.00	1.00	0.53	1.00	1.00	0.48
20	200	0.8	0.8	1	1.00	1.00	0.90	1.00	1.00	1.00
20	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	1	0.99	1.00	0.45	1.00	1.00	0.35
50	20	0.8	0.8	1	1.00	1.00	0.63	1.00	1.00	0.88
50	200	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.8	1	0.99	1.00	0.60	1.00	1.00	0.46
100	20	0.8	0.8	1	1.00	1.00	0.81	1.00	1.00	0.98
100	200	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	1	1.00	1.00	0.62	1.00	1.00	0.58
200	20	0.8	0.8	1	1.00	1.00	0.92	1.00	1.00	0.91
200	200	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	1	0.20	0.18	0.08	0.18	0.23	0.10
4	20	0.2	-0.2	1	0.62	0.67	0.12	0.49	0.62	0.09
4	200	0.2	-0.2	1	1.00	1.00	0.12	1.00	1.00	0.08
4	1000	0.2	-0.2	1	1.00	1.00	0.19	1.00	1.00	0.16
20	4	0.2	-0.2	1	0.24	0.78	0.15	0.25	0.62	0.08
20	20	0.2	-0.2	1	0.72	1.00	0.13	0.80	1.00	0.09

20	200	0.2	-0.2	1	1.00	1.00	0.23	1.00	1.00	0.19
20	1000	0.2	-0.2	1	1.00	1.00	0.62	1.00	1.00	0.65
50	4	0.2	-0.2	1	0.21	0.99	0.12	0.24	0.95	0.08
50	20	0.2	-0.2	1	0.75	1.00	0.11	0.91	1.00	0.07
50	200	0.2	-0.2	1	1.00	1.00	0.31	1.00	1.00	0.30
50	1000	0.2	-0.2	1	1.00	1.00	0.84	1.00	1.00	0.91
100	4	0.2	-0.2	1	0.26	1.00	0.13	0.29	1.00	0.07
100	20	0.2	-0.2	1	0.70	1.00	0.17	0.83	1.00	0.12
100	200	0.2	-0.2	1	1.00	1.00	0.56	1.00	1.00	0.57
100	1000	0.2	-0.2	1	1.00	1.00	0.99	1.00	1.00	1.00
200	4	0.2	-0.2	1	0.32	1.00	0.12	0.36	1.00	0.07
200	20	0.2	-0.2	1	0.70	1.00	0.16	0.86	1.00	0.10
200	200	0.2	-0.2	1	1.00	1.00	0.77	1.00	1.00	0.84
200	1000	0.2	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.2	1	0.31	0.20	0.23	0.26	0.28	0.18
4	20	0.8	-0.2	1	0.81	0.85	0.30	0.73	0.86	0.20
4	200	0.8	-0.2	1	1.00	1.00	0.28	1.00	1.00	0.28
4	1000	0.8	-0.2	1	1.00	1.00	0.56	1.00	1.00	0.57
20	4	0.8	-0.2	1	0.62	0.91	0.45	0.67	0.90	0.19
20	20	0.8	-0.2	1	0.96	1.00	0.53	1.00	1.00	0.36
20	200	0.8	-0.2	1	1.00	1.00	0.59	1.00	1.00	0.67
20	1000	0.8	-0.2	1	1.00	1.00	0.88	1.00	1.00	1.00
50	4	0.8	-0.2	1	0.60	1.00	0.49	0.92	1.00	0.25
50	20	0.8	-0.2	1	0.97	1.00	0.55	1.00	1.00	0.43
50	200	0.8	-0.2	1	1.00	1.00	0.76	1.00	1.00	0.95
50	1000	0.8	-0.2	1	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.8	-0.2	1	0.73	1.00	0.55	1.00	1.00	0.37
100	20	0.8	-0.2	1	0.91	1.00	0.55	1.00	1.00	0.63
100	200	0.8	-0.2	1	1.00	1.00	0.85	1.00	1.00	1.00
100	1000	0.8	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.2	1	0.71	1.00	0.57	1.00	1.00	0.50
200	20	0.8	-0.2	1	0.94	1.00	0.62	1.00	1.00	0.86
200	200	0.8	-0.2	1	1.00	1.00	0.93	1.00	1.00	1.00
200	1000	0.8	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.5	1	0.61	0.67	0.09	0.48	0.68	0.11
4	20	0.2	-0.5	1	1.00	1.00	0.08	0.98	1.00	0.08
4	200	0.2	-0.5	1	1.00	1.00	0.17	1.00	1.00	0.15
4	1000	0.2	-0.5	1	1.00	1.00	0.51	1.00	1.00	0.53

20	4	0.2	-0.5	1	0.73	1.00	0.11	0.83	1.00	0.07
20	20	0.2	-0.5	1	1.00	1.00	0.18	1.00	1.00	0.11
20	200	0.2	-0.5	1	1.00	1.00	0.55	1.00	1.00	0.57
20	1000	0.2	-0.5	1	1.00	1.00	0.96	1.00	1.00	0.99
50	4	0.2	-0.5	1	0.74	1.00	0.14	0.88	1.00	0.10
50	20	0.2	-0.5	1	1.00	1.00	0.24	1.00	1.00	0.18
50	200	0.2	-0.5	1	1.00	1.00	0.80	1.00	1.00	0.87
50	1000	0.2	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	-0.5	1	0.68	1.00	0.21	0.86	1.00	0.13
100	20	0.2	-0.5	1	1.00	1.00	0.29	1.00	1.00	0.27
100	200	0.2	-0.5	1	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.2	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.5	1	0.71	1.00	0.24	0.89	1.00	0.21
200	20	0.2	-0.5	1	1.00	1.00	0.37	1.00	1.00	0.41
200	200	0.2	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	1	0.88	0.90	0.26	0.83	0.90	0.22
4	20	0.8	-0.5	1	1.00	1.00	0.22	1.00	1.00	0.14
4	200	0.8	-0.5	1	1.00	1.00	0.59	1.00	1.00	0.56
4	1000	0.8	-0.5	1	1.00	1.00	0.91	1.00	1.00	0.94
20	4	0.8	-0.5	1	0.99	1.00	0.37	1.00	1.00	0.16
20	20	0.8	-0.5	1	1.00	1.00	0.49	1.00	1.00	0.46
20	200	0.8	-0.5	1	1.00	1.00	0.88	1.00	1.00	0.97
20	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	-0.5	1	0.95	1.00	0.44	1.00	1.00	0.32
50	20	0.8	-0.5	1	1.00	1.00	0.56	1.00	1.00	0.75
50	200	0.8	-0.5	1	1.00	1.00	0.97	1.00	1.00	1.00
50	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.5	1	0.94	1.00	0.53	1.00	1.00	0.53
100	20	0.8	-0.5	1	1.00	1.00	0.72	1.00	1.00	0.99
100	200	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.5	1	0.96	1.00	0.59	1.00	1.00	0.61
200	20	0.8	-0.5	1	1.00	1.00	0.82	1.00	1.00	0.98
200	200	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.8	1	0.75	0.93	0.09	0.66	0.92	0.10
4	20	0.2	-0.8	1	1.00	1.00	0.11	1.00	1.00	0.11

4	200	0.2	-0.8	1	1.00	1.00	0.21	1.00	1.00	0.18
4	1000	0.2	-0.8	1	1.00	1.00	0.70	1.00	1.00	0.70
20	4	0.2	-0.8	1	0.83	1.00	0.08	0.95	1.00	0.07
20	20	0.2	-0.8	1	1.00	1.00	0.17	1.00	1.00	0.14
20	200	0.2	-0.8	1	1.00	1.00	0.71	1.00	1.00	0.74
20	1000	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.2	-0.8	1	0.86	1.00	0.20	0.96	1.00	0.14
50	20	0.2	-0.8	1	1.00	1.00	0.25	1.00	1.00	0.21
50	200	0.2	-0.8	1	1.00	1.00	0.95	1.00	1.00	0.97
50	1000	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	-0.8	1	0.88	1.00	0.21	0.98	1.00	0.18
100	20	0.2	-0.8	1	1.00	1.00	0.40	1.00	1.00	0.42
100	200	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.8	1	0.86	1.00	0.27	0.98	1.00	0.26
200	20	0.2	-0.8	1	1.00	1.00	0.58	1.00	1.00	0.60
200	200	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	1	1.00	1.00	0.25	0.99	1.00	0.15
4	20	0.8	-0.8	1	1.00	1.00	0.27	1.00	1.00	0.13
4	200	0.8	-0.8	1	1.00	1.00	0.67	1.00	1.00	0.69
4	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
20	4	0.8	-0.8	1	0.99	1.00	0.37	1.00	1.00	0.16
20	20	0.8	-0.8	1	1.00	1.00	0.52	1.00	1.00	0.47
20	200	0.8	-0.8	1	1.00	1.00	0.93	1.00	1.00	1.00
20	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	-0.8	1	0.98	1.00	0.43	1.00	1.00	0.33
50	20	0.8	-0.8	1	1.00	1.00	0.73	1.00	1.00	0.91
50	200	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	1	0.99	1.00	0.58	1.00	1.00	0.48
100	20	0.8	-0.8	1	1.00	1.00	0.84	1.00	1.00	0.96
100	200	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	1	0.99	1.00	0.63	1.00	1.00	0.57
200	20	0.8	-0.8	1	1.00	1.00	0.93	1.00	1.00	0.91
200	200	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00

4	4	0.2	0.0	2	0.11	0.08	0.07	0.14	0.09	0.08
4	20	0.2	0.0	2	0.09	0.07	0.07	0.08	0.08	0.05
4	200	0.2	0.0	2	0.13	0.05	0.09	0.12	0.05	0.05
4	1000	0.2	0.0	2	0.10	0.04	0.11	0.08	0.03	0.07
20	4	0.2	0.0	2	0.10	0.05	0.14	0.05	0.05	0.07
20	20	0.2	0.0	2	0.11	0.05	0.13	0.06	0.05	0.07
20	200	0.2	0.0	2	0.10	0.03	0.12	0.07	0.02	0.05
20	1000	0.2	0.0	2	0.12	0.06	0.15	0.08	0.04	0.09
50	4	0.2	0.0	2	0.10	0.06	0.17	0.06	0.05	0.07
50	20	0.2	0.0	2	0.13	0.06	0.11	0.07	0.05	0.08
50	200	0.2	0.0	2	0.10	0.06	0.14	0.04	0.04	0.08
50	1000	0.2	0.0	2	0.10	0.05	0.13	0.05	0.04	0.06
100	4	0.2	0.0	2	0.10	0.03	0.12	0.07	0.04	0.06
100	20	0.2	0.0	2	0.09	0.05	0.13	0.04	0.04	0.06
100	200	0.2	0.0	2	0.09	0.07	0.13	0.04	0.06	0.06
100	1000	0.2	0.0	2	0.08	0.05	0.08	0.05	0.04	0.04
200	4	0.2	0.0	2	0.11	0.09	0.11	0.05	0.06	0.05
200	20	0.2	0.0	2	0.11	0.08	0.10	0.06	0.07	0.05
200	200	0.2	0.0	2	0.16	0.06	0.10	0.09	0.05	0.05
200	1000	0.2	0.0	2	0.10	0.06	0.14	0.06	0.05	0.06
4	4	0.8	0.0	2	0.15	0.06	0.27	0.15	0.09	0.16
4	20	0.8	0.0	2	0.17	0.06	0.26	0.11	0.06	0.19
4	200	0.8	0.0	2	0.18	0.05	0.30	0.13	0.06	0.20
4	1000	0.8	0.0	2	0.17	0.04	0.28	0.12	0.04	0.26
20	4	0.8	0.0	2	0.40	0.07	0.42	0.20	0.06	0.18
20	20	0.8	0.0	2	0.37	0.04	0.45	0.15	0.05	0.27
20	200	0.8	0.0	2	0.36	0.03	0.50	0.19	0.03	0.28
20	1000	0.8	0.0	2	0.39	0.04	0.51	0.20	0.03	0.31
50	4	0.8	0.0	2	0.44	0.06	0.46	0.14	0.07	0.16
50	20	0.8	0.0	2	0.47	0.05	0.53	0.15	0.06	0.25
50	200	0.8	0.0	2	0.50	0.04	0.48	0.19	0.05	0.24
50	1000	0.8	0.0	2	0.42	0.04	0.48	0.19	0.06	0.18
100	4	0.8	0.0	2	0.45	0.06	0.52	0.14	0.05	0.16
100	20	0.8	0.0	2	0.53	0.04	0.48	0.15	0.05	0.20
100	200	0.8	0.0	2	0.48	0.04	0.46	0.17	0.04	0.20
100	1000	0.8	0.0	2	0.49	0.05	0.50	0.18	0.07	0.20
200	4	0.8	0.0	2	0.43	0.05	0.43	0.13	0.05	0.10
200	20	0.8	0.0	2	0.49	0.05	0.48	0.17	0.04	0.12

200	200	0.8	0.0	2	0.55	0.06	0.47	0.16	0.07	0.10
200	1000	0.8	0.0	2	0.51	0.05	0.57	0.11	0.04	0.16
4	4	0.2	0.2	2	0.20	0.14	0.07	0.19	0.15	0.09
4	20	0.2	0.2	2	0.43	0.41	0.10	0.35	0.37	0.08
4	200	0.2	0.2	2	1.00	1.00	0.08	0.99	1.00	0.05
4	1000	0.2	0.2	2	1.00	1.00	0.14	1.00	1.00	0.13
20	4	0.2	0.2	2	0.19	0.52	0.09	0.17	0.38	0.05
20	20	0.2	0.2	2	0.48	1.00	0.12	0.55	0.98	0.07
20	200	0.2	0.2	2	1.00	1.00	0.14	1.00	1.00	0.07
20	1000	0.2	0.2	2	1.00	1.00	0.37	1.00	1.00	0.37
50	4	0.2	0.2	2	0.21	0.89	0.06	0.21	0.78	0.04
50	20	0.2	0.2	2	0.52	1.00	0.15	0.59	1.00	0.11
50	200	0.2	0.2	2	1.00	1.00	0.25	1.00	1.00	0.21
50	1000	0.2	0.2	2	1.00	1.00	0.71	1.00	1.00	0.77
100	4	0.2	0.2	2	0.20	0.99	0.12	0.21	0.98	0.07
100	20	0.2	0.2	2	0.53	1.00	0.17	0.67	1.00	0.10
100	200	0.2	0.2	2	1.00	1.00	0.38	1.00	1.00	0.35
100	1000	0.2	0.2	2	1.00	1.00	0.92	1.00	1.00	0.97
200	4	0.2	0.2	2	0.20	1.00	0.14	0.20	1.00	0.08
200	20	0.2	0.2	2	0.52	1.00	0.20	0.70	1.00	0.13
200	200	0.2	0.2	2	1.00	1.00	0.68	1.00	1.00	0.70
200	1000	0.2	0.2	2	1.00	1.00	0.99	1.00	1.00	1.00
4	4	0.8	0.2	2	0.21	0.11	0.26	0.18	0.19	0.16
4	20	0.8	0.2	2	0.57	0.62	0.28	0.51	0.62	0.20
4	200	0.8	0.2	2	1.00	1.00	0.29	1.00	1.00	0.29
4	1000	0.8	0.2	2	1.00	1.00	0.42	1.00	1.00	0.43
20	4	0.8	0.2	2	0.48	0.68	0.40	0.52	0.68	0.14
20	20	0.8	0.2	2	0.81	1.00	0.52	0.93	1.00	0.29
20	200	0.8	0.2	2	1.00	1.00	0.55	1.00	1.00	0.54
20	1000	0.8	0.2	2	1.00	1.00	0.79	1.00	1.00	0.91
50	4	0.8	0.2	2	0.60	0.97	0.45	0.79	0.97	0.18
50	20	0.8	0.2	2	0.82	1.00	0.51	0.99	1.00	0.35
50	200	0.8	0.2	2	1.00	1.00	0.65	1.00	1.00	0.86
50	1000	0.8	0.2	2	1.00	1.00	0.95	1.00	1.00	1.00
100	4	0.8	0.2	2	0.50	1.00	0.55	0.89	1.00	0.24
100	20	0.8	0.2	2	0.82	1.00	0.56	1.00	1.00	0.45
100	200	0.8	0.2	2	1.00	1.00	0.81	1.00	1.00	0.99
100	1000	0.8	0.2	2	1.00	1.00	0.99	1.00	1.00	1.00

200	4	0.8	0.2	2	0.66	1.00	0.57	0.98	1.00	0.33
200	20	0.8	0.2	2	0.89	1.00	0.66	1.00	1.00	0.78
200	200	0.8	0.2	2	1.00	1.00	0.88	1.00	1.00	1.00
200	1000	0.8	0.2	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.5	2	0.38	0.44	0.08	0.30	0.41	0.10
4	20	0.2	0.5	2	0.95	0.99	0.07	0.87	0.99	0.07
4	200	0.2	0.5	2	1.00	1.00	0.13	1.00	1.00	0.12
4	1000	0.2	0.5	2	1.00	1.00	0.39	1.00	1.00	0.38
20	4	0.2	0.5	2	0.54	1.00	0.13	0.66	1.00	0.10
20	20	0.2	0.5	2	0.98	1.00	0.19	0.99	1.00	0.13
20	200	0.2	0.5	2	1.00	1.00	0.35	1.00	1.00	0.34
20	1000	0.2	0.5	2	1.00	1.00	0.90	1.00	1.00	0.92
50	4	0.2	0.5	2	0.56	1.00	0.10	0.74	1.00	0.07
50	20	0.2	0.5	2	1.00	1.00	0.13	1.00	1.00	0.11
50	200	0.2	0.5	2	1.00	1.00	0.71	1.00	1.00	0.75
50	1000	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.5	2	0.57	1.00	0.16	0.72	1.00	0.11
100	20	0.2	0.5	2	0.98	1.00	0.24	1.00	1.00	0.20
100	200	0.2	0.5	2	1.00	1.00	0.90	1.00	1.00	0.97
100	1000	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	2	0.53	1.00	0.18	0.70	1.00	0.15
200	20	0.2	0.5	2	0.98	1.00	0.39	1.00	1.00	0.36
200	200	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.5	2	0.75	0.76	0.26	0.68	0.77	0.18
4	20	0.8	0.5	2	1.00	1.00	0.32	1.00	1.00	0.22
4	200	0.8	0.5	2	1.00	1.00	0.52	1.00	1.00	0.49
4	1000	0.8	0.5	2	1.00	1.00	0.86	1.00	1.00	0.88
20	4	0.8	0.5	2	0.88	1.00	0.39	0.98	1.00	0.20
20	20	0.8	0.5	2	1.00	1.00	0.46	1.00	1.00	0.37
20	200	0.8	0.5	2	1.00	1.00	0.76	1.00	1.00	0.94
20	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.5	2	0.90	1.00	0.47	1.00	1.00	0.26
50	20	0.8	0.5	2	1.00	1.00	0.59	1.00	1.00	0.65
50	200	0.8	0.5	2	1.00	1.00	0.94	1.00	1.00	1.00
50	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	2	0.88	1.00	0.52	1.00	1.00	0.38
100	20	0.8	0.5	2	1.00	1.00	0.63	1.00	1.00	0.97

100	200	0.8	0.5	2	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	2	0.88	1.00	0.55	1.00	1.00	0.70
200	20	0.8	0.5	2	1.00	1.00	0.74	1.00	1.00	1.00
200	200	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	2	0.62	0.75	0.08	0.54	0.73	0.09
4	20	0.2	0.8	2	1.00	1.00	0.11	1.00	1.00	0.09
4	200	0.2	0.8	2	1.00	1.00	0.21	1.00	1.00	0.19
4	1000	0.2	0.8	2	1.00	1.00	0.58	1.00	1.00	0.59
20	4	0.2	0.8	2	0.81	1.00	0.10	0.92	1.00	0.09
20	20	0.2	0.8	2	1.00	1.00	0.13	1.00	1.00	0.09
20	200	0.2	0.8	2	1.00	1.00	0.57	1.00	1.00	0.59
20	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.2	0.8	2	0.76	1.00	0.15	0.92	1.00	0.10
50	20	0.2	0.8	2	1.00	1.00	0.25	1.00	1.00	0.20
50	200	0.2	0.8	2	1.00	1.00	0.86	1.00	1.00	0.93
50	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	2	0.79	1.00	0.17	0.92	1.00	0.16
100	20	0.2	0.8	2	1.00	1.00	0.38	1.00	1.00	0.35
100	200	0.2	0.8	2	1.00	1.00	0.98	1.00	1.00	0.99
100	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	2	0.80	1.00	0.23	0.92	1.00	0.21
200	20	0.2	0.8	2	1.00	1.00	0.57	1.00	1.00	0.61
200	200	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	2	0.94	0.98	0.18	0.92	0.96	0.09
4	20	0.8	0.8	2	1.00	1.00	0.30	1.00	1.00	0.19
4	200	0.8	0.8	2	1.00	1.00	0.63	1.00	1.00	0.61
4	1000	0.8	0.8	2	1.00	1.00	0.96	1.00	1.00	0.98
20	4	0.8	0.8	2	0.98	1.00	0.45	1.00	1.00	0.20
20	20	0.8	0.8	2	1.00	1.00	0.58	1.00	1.00	0.44
20	200	0.8	0.8	2	1.00	1.00	0.91	1.00	1.00	0.99
20	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	2	0.96	1.00	0.47	1.00	1.00	0.28
50	20	0.8	0.8	2	1.00	1.00	0.65	1.00	1.00	0.80
50	200	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00

100	4	0.8	0.8	2	0.96	1.00	0.60	1.00	1.00	0.46
100	20	0.8	0.8	2	1.00	1.00	0.77	1.00	1.00	1.00
100	200	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	2	0.94	1.00	0.63	1.00	1.00	0.59
200	20	0.8	0.8	2	1.00	1.00	0.89	1.00	1.00	0.96
200	200	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	2	0.17	0.12	0.08	0.14	0.12	0.11
4	20	0.2	-0.2	2	0.43	0.37	0.09	0.32	0.35	0.05
4	200	0.2	-0.2	2	1.00	1.00	0.07	0.99	1.00	0.04
4	1000	0.2	-0.2	2	1.00	1.00	0.15	1.00	1.00	0.11
20	4	0.2	-0.2	2	0.21	0.50	0.10	0.22	0.40	0.07
20	20	0.2	-0.2	2	0.52	1.00	0.14	0.58	0.99	0.07
20	200	0.2	-0.2	2	1.00	1.00	0.17	1.00	1.00	0.12
20	1000	0.2	-0.2	2	1.00	1.00	0.41	1.00	1.00	0.37
50	4	0.2	-0.2	2	0.19	0.93	0.12	0.23	0.81	0.07
50	20	0.2	-0.2	2	0.52	1.00	0.14	0.61	1.00	0.08
50	200	0.2	-0.2	2	1.00	1.00	0.25	1.00	1.00	0.23
50	1000	0.2	-0.2	2	1.00	1.00	0.63	1.00	1.00	0.72
100	4	0.2	-0.2	2	0.20	1.00	0.10	0.20	0.99	0.05
100	20	0.2	-0.2	2	0.51	1.00	0.18	0.67	1.00	0.08
100	200	0.2	-0.2	2	1.00	1.00	0.37	1.00	1.00	0.36
100	1000	0.2	-0.2	2	1.00	1.00	0.89	1.00	1.00	0.96
200	4	0.2	-0.2	2	0.20	1.00	0.12	0.19	1.00	0.07
200	20	0.2	-0.2	2	0.47	1.00	0.17	0.62	1.00	0.12
200	200	0.2	-0.2	2	1.00	1.00	0.58	1.00	1.00	0.59
200	1000	0.2	-0.2	2	1.00	1.00	0.99	1.00	1.00	1.00
4	4	0.8	-0.2	2	0.24	0.14	0.24	0.17	0.19	0.15
4	20	0.8	-0.2	2	0.64	0.55	0.30	0.50	0.55	0.17
4	200	0.8	-0.2	2	1.00	1.00	0.36	1.00	1.00	0.31
4	1000	0.8	-0.2	2	1.00	1.00	0.48	1.00	1.00	0.48
20	4	0.8	-0.2	2	0.49	0.69	0.43	0.55	0.69	0.12
20	20	0.8	-0.2	2	0.79	1.00	0.48	0.96	1.00	0.29
20	200	0.8	-0.2	2	1.00	1.00	0.57	1.00	1.00	0.53
20	1000	0.8	-0.2	2	1.00	1.00	0.80	1.00	1.00	0.96
50	4	0.8	-0.2	2	0.58	0.97	0.42	0.78	0.97	0.19
50	20	0.8	-0.2	2	0.81	1.00	0.45	1.00	1.00	0.33

50	200	0.8	-0.2	2	1.00	1.00	0.68	1.00	1.00	0.87
50	1000	0.8	-0.2	2	1.00	1.00	0.97	1.00	1.00	1.00
100	4	0.8	-0.2	2	0.61	1.00	0.52	0.96	1.00	0.28
100	20	0.8	-0.2	2	0.82	1.00	0.53	1.00	1.00	0.43
100	200	0.8	-0.2	2	1.00	1.00	0.78	1.00	1.00	0.99
100	1000	0.8	-0.2	2	1.00	1.00	0.98	1.00	1.00	1.00
200	4	0.8	-0.2	2	0.57	1.00	0.51	0.94	1.00	0.40
200	20	0.8	-0.2	2	0.83	1.00	0.59	1.00	1.00	0.66
200	200	0.8	-0.2	2	1.00	1.00	0.86	1.00	1.00	1.00
200	1000	0.8	-0.2	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.5	2	0.44	0.46	0.08	0.38	0.48	0.08
4	20	0.2	-0.5	2	0.95	0.99	0.11	0.89	0.98	0.09
4	200	0.2	-0.5	2	1.00	1.00	0.11	1.00	1.00	0.08
4	1000	0.2	-0.5	2	1.00	1.00	0.38	1.00	1.00	0.37
20	4	0.2	-0.5	2	0.52	1.00	0.11	0.68	0.99	0.07
20	20	0.2	-0.5	2	1.00	1.00	0.15	1.00	1.00	0.09
20	200	0.2	-0.5	2	1.00	1.00	0.40	1.00	1.00	0.39
20	1000	0.2	-0.5	2	1.00	1.00	0.90	1.00	1.00	0.96
50	4	0.2	-0.5	2	0.53	1.00	0.12	0.71	1.00	0.08
50	20	0.2	-0.5	2	0.97	1.00	0.21	1.00	1.00	0.16
50	200	0.2	-0.5	2	1.00	1.00	0.72	1.00	1.00	0.75
50	1000	0.2	-0.5	2	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.2	-0.5	2	0.55	1.00	0.10	0.69	1.00	0.05
100	20	0.2	-0.5	2	0.98	1.00	0.26	1.00	1.00	0.22
100	200	0.2	-0.5	2	1.00	1.00	0.88	1.00	1.00	0.95
100	1000	0.2	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.5	2	0.52	1.00	0.16	0.74	1.00	0.11
200	20	0.2	-0.5	2	0.99	1.00	0.45	1.00	1.00	0.42
200	200	0.2	-0.5	2	1.00	1.00	0.99	1.00	1.00	1.00
200	1000	0.2	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	2	0.72	0.70	0.23	0.66	0.68	0.12
4	20	0.8	-0.5	2	1.00	1.00	0.26	1.00	1.00	0.16
4	200	0.8	-0.5	2	1.00	1.00	0.42	1.00	1.00	0.46
4	1000	0.8	-0.5	2	1.00	1.00	0.86	1.00	1.00	0.86
20	4	0.8	-0.5	2	0.90	1.00	0.45	0.98	1.00	0.17
20	20	0.8	-0.5	2	1.00	1.00	0.50	1.00	1.00	0.40
20	200	0.8	-0.5	2	1.00	1.00	0.78	1.00	1.00	0.92
20	1000	0.8	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00

50	4	0.8	-0.5	2	0.90	1.00	0.47	1.00	1.00	0.24
50	20	0.8	-0.5	2	1.00	1.00	0.57	1.00	1.00	0.69
50	200	0.8	-0.5	2	1.00	1.00	0.90	1.00	1.00	1.00
50	1000	0.8	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.5	2	0.89	1.00	0.53	1.00	1.00	0.46
100	20	0.8	-0.5	2	1.00	1.00	0.67	1.00	1.00	0.94
100	200	0.8	-0.5	2	1.00	1.00	0.98	1.00	1.00	1.00
100	1000	0.8	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.5	2	0.87	1.00	0.54	1.00	1.00	0.65
200	20	0.8	-0.5	2	1.00	1.00	0.77	1.00	1.00	1.00
200	200	0.8	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.8	2	0.64	0.76	0.10	0.56	0.76	0.11
4	20	0.2	-0.8	2	1.00	1.00	0.12	0.99	1.00	0.08
4	200	0.2	-0.8	2	1.00	1.00	0.22	1.00	1.00	0.19
4	1000	0.2	-0.8	2	1.00	1.00	0.53	1.00	1.00	0.55
20	4	0.2	-0.8	2	0.78	1.00	0.12	0.90	1.00	0.10
20	20	0.2	-0.8	2	1.00	1.00	0.14	1.00	1.00	0.10
20	200	0.2	-0.8	2	1.00	1.00	0.57	1.00	1.00	0.60
20	1000	0.2	-0.8	2	1.00	1.00	0.98	1.00	1.00	1.00
50	4	0.2	-0.8	2	0.76	1.00	0.16	0.92	1.00	0.12
50	20	0.2	-0.8	2	1.00	1.00	0.20	1.00	1.00	0.16
50	200	0.2	-0.8	2	1.00	1.00	0.87	1.00	1.00	0.92
50	1000	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	-0.8	2	0.80	1.00	0.16	0.92	1.00	0.14
100	20	0.2	-0.8	2	1.00	1.00	0.31	1.00	1.00	0.28
100	200	0.2	-0.8	2	1.00	1.00	0.98	1.00	1.00	1.00
100	1000	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.8	2	0.77	1.00	0.25	0.91	1.00	0.22
200	20	0.2	-0.8	2	1.00	1.00	0.55	1.00	1.00	0.57
200	200	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	2	0.96	0.98	0.19	0.93	0.98	0.11
4	20	0.8	-0.8	2	1.00	1.00	0.30	1.00	1.00	0.16
4	200	0.8	-0.8	2	1.00	1.00	0.55	1.00	1.00	0.56
4	1000	0.8	-0.8	2	1.00	1.00	0.96	1.00	1.00	0.97
20	4	0.8	-0.8	2	0.99	1.00	0.39	1.00	1.00	0.16
20	20	0.8	-0.8	2	1.00	1.00	0.51	1.00	1.00	0.46

20	200	0.8	-0.8	2	1.00	1.00	0.92	1.00	1.00	0.99
20	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	-0.8	2	0.95	1.00	0.49	1.00	1.00	0.33
50	20	0.8	-0.8	2	1.00	1.00	0.63	1.00	1.00	0.80
50	200	0.8	-0.8	2	1.00	1.00	0.99	1.00	1.00	1.00
50	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	2	0.98	1.00	0.56	1.00	1.00	0.45
100	20	0.8	-0.8	2	1.00	1.00	0.72	1.00	1.00	0.98
100	200	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	2	0.98	1.00	0.64	1.00	1.00	0.60
200	20	0.8	-0.8	2	1.00	1.00	0.86	1.00	1.00	0.95
200	200	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.0	8	0.10	0.05	0.09	0.10	0.07	0.14
4	20	0.2	0.0	8	0.09	0.05	0.09	0.07	0.05	0.06
4	200	0.2	0.0	8	0.08	0.03	0.11	0.04	0.04	0.09
4	1000	0.2	0.0	8	0.07	0.02	0.09	0.05	0.03	0.07
20	4	0.2	0.0	8	0.04	0.04	0.08	0.04	0.03	0.05
20	20	0.2	0.0	8	0.11	0.08	0.15	0.06	0.08	0.11
20	200	0.2	0.0	8	0.11	0.05	0.06	0.09	0.04	0.04
20	1000	0.2	0.0	8	0.13	0.06	0.10	0.07	0.04	0.05
50	4	0.2	0.0	8	0.12	0.04	0.11	0.09	0.04	0.05
50	20	0.2	0.0	8	0.13	0.06	0.15	0.08	0.05	0.07
50	200	0.2	0.0	8	0.11	0.04	0.13	0.07	0.06	0.06
50	1000	0.2	0.0	8	0.11	0.04	0.11	0.08	0.03	0.05
100	4	0.2	0.0	8	0.09	0.05	0.09	0.03	0.05	0.03
100	20	0.2	0.0	8	0.10	0.03	0.13	0.06	0.01	0.06
100	200	0.2	0.0	8	0.11	0.03	0.12	0.06	0.04	0.07
100	1000	0.2	0.0	8	0.10	0.03	0.11	0.04	0.03	0.05
200	4	0.2	0.0	8	0.13	0.03	0.11	0.07	0.05	0.06
200	20	0.2	0.0	8	0.13	0.06	0.12	0.07	0.07	0.05
200	200	0.2	0.0	8	0.08	0.05	0.14	0.05	0.03	0.07
200	1000	0.2	0.0	8	0.13	0.08	0.11	0.06	0.04	0.04
4	4	0.8	0.0	8	0.16	0.04	0.23	0.15	0.08	0.16
4	20	0.8	0.0	8	0.13	0.04	0.28	0.11	0.04	0.16
4	200	0.8	0.0	8	0.15	0.04	0.30	0.09	0.04	0.21
4	1000	0.8	0.0	8	0.18	0.05	0.26	0.12	0.06	0.25

20	4	0.8	0.0	8	0.37	0.07	0.37	0.12	0.06	0.19
20	20	0.8	0.0	8	0.38	0.05	0.46	0.17	0.05	0.23
20	200	0.8	0.0	8	0.39	0.08	0.44	0.21	0.07	0.27
20	1000	0.8	0.0	8	0.47	0.05	0.49	0.22	0.06	0.29
50	4	0.8	0.0	8	0.39	0.04	0.54	0.19	0.06	0.18
50	20	0.8	0.0	8	0.54	0.05	0.48	0.23	0.07	0.20
50	200	0.8	0.0	8	0.46	0.04	0.51	0.22	0.04	0.23
50	1000	0.8	0.0	8	0.43	0.04	0.44	0.20	0.05	0.23
100	4	0.8	0.0	8	0.56	0.06	0.51	0.17	0.06	0.14
100	20	0.8	0.0	8	0.47	0.08	0.50	0.18	0.08	0.24
100	200	0.8	0.0	8	0.48	0.04	0.54	0.19	0.04	0.20
100	1000	0.8	0.0	8	0.46	0.08	0.49	0.19	0.07	0.17
200	4	0.8	0.0	8	0.47	0.03	0.51	0.10	0.05	0.14
200	20	0.8	0.0	8	0.47	0.06	0.49	0.15	0.06	0.12
200	200	0.8	0.0	8	0.52	0.07	0.47	0.15	0.07	0.14
200	1000	0.8	0.0	8	0.52	0.05	0.47	0.17	0.05	0.14
4	4	0.2	0.2	8	0.08	0.06	0.07	0.09	0.12	0.10
4	20	0.2	0.2	8	0.28	0.25	0.09	0.21	0.20	0.07
4	200	0.2	0.2	8	0.94	0.97	0.09	0.84	0.96	0.08
4	1000	0.2	0.2	8	1.00	1.00	0.19	1.00	1.00	0.13
20	4	0.2	0.2	8	0.22	0.37	0.10	0.19	0.28	0.07
20	20	0.2	0.2	8	0.37	0.92	0.10	0.40	0.83	0.05
20	200	0.2	0.2	8	0.98	1.00	0.16	1.00	1.00	0.11
20	1000	0.2	0.2	8	1.00	1.00	0.21	1.00	1.00	0.20
50	4	0.2	0.2	8	0.15	0.70	0.13	0.13	0.54	0.09
50	20	0.2	0.2	8	0.32	1.00	0.12	0.38	1.00	0.07
50	200	0.2	0.2	8	0.98	1.00	0.23	1.00	1.00	0.17
50	1000	0.2	0.2	8	1.00	1.00	0.49	1.00	1.00	0.49
100	4	0.2	0.2	8	0.15	0.93	0.11	0.13	0.81	0.08
100	20	0.2	0.2	8	0.30	1.00	0.08	0.40	1.00	0.05
100	200	0.2	0.2	8	0.99	1.00	0.29	1.00	1.00	0.24
100	1000	0.2	0.2	8	1.00	1.00	0.79	1.00	1.00	0.85
200	4	0.2	0.2	8	0.20	1.00	0.10	0.17	0.99	0.04
200	20	0.2	0.2	8	0.43	1.00	0.15	0.48	1.00	0.11
200	200	0.2	0.2	8	0.99	1.00	0.39	1.00	1.00	0.37
200	1000	0.2	0.2	8	1.00	1.00	0.91	1.00	1.00	0.95
4	4	0.8	0.2	8	0.21	0.11	0.22	0.19	0.20	0.11
4	20	0.8	0.2	8	0.44	0.37	0.24	0.37	0.40	0.19

4	200	0.8	0.2	8	0.99	1.00	0.30	0.99	1.00	0.31
4	1000	0.8	0.2	8	1.00	1.00	0.36	1.00	1.00	0.42
20	4	0.8	0.2	8	0.49	0.42	0.41	0.43	0.41	0.18
20	20	0.8	0.2	8	0.71	0.97	0.47	0.84	0.97	0.35
20	200	0.8	0.2	8	1.00	1.00	0.49	1.00	1.00	0.44
20	1000	0.8	0.2	8	1.00	1.00	0.69	1.00	1.00	0.81
50	4	0.8	0.2	8	0.56	0.81	0.53	0.65	0.80	0.21
50	20	0.8	0.2	8	0.75	1.00	0.53	0.97	1.00	0.37
50	200	0.8	0.2	8	1.00	1.00	0.58	1.00	1.00	0.69
50	1000	0.8	0.2	8	1.00	1.00	0.80	1.00	1.00	1.00
100	4	0.8	0.2	8	0.52	1.00	0.48	0.73	1.00	0.23
100	20	0.8	0.2	8	0.78	1.00	0.51	0.99	1.00	0.37
100	200	0.8	0.2	8	1.00	1.00	0.69	1.00	1.00	0.93
100	1000	0.8	0.2	8	1.00	1.00	0.93	1.00	1.00	1.00
200	4	0.8	0.2	8	0.57	1.00	0.53	0.89	1.00	0.24
200	20	0.8	0.2	8	0.72	1.00	0.48	1.00	1.00	0.50
200	200	0.8	0.2	8	1.00	1.00	0.82	1.00	1.00	1.00
200	1000	0.8	0.2	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.5	8	0.28	0.22	0.08	0.21	0.28	0.10
4	20	0.2	0.5	8	0.79	0.90	0.12	0.66	0.84	0.13
4	200	0.2	0.5	8	1.00	1.00	0.16	1.00	1.00	0.11
4	1000	0.2	0.5	8	1.00	1.00	0.27	1.00	1.00	0.27
20	4	0.2	0.5	8	0.34	0.96	0.09	0.39	0.87	0.07
20	20	0.2	0.5	8	0.87	1.00	0.10	0.92	1.00	0.06
20	200	0.2	0.5	8	1.00	1.00	0.23	1.00	1.00	0.17
20	1000	0.2	0.5	8	1.00	1.00	0.79	1.00	1.00	0.82
50	4	0.2	0.5	8	0.34	1.00	0.12	0.46	1.00	0.07
50	20	0.2	0.5	8	0.91	1.00	0.14	0.97	1.00	0.08
50	200	0.2	0.5	8	1.00	1.00	0.45	1.00	1.00	0.47
50	1000	0.2	0.5	8	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.2	0.5	8	0.39	1.00	0.15	0.50	1.00	0.10
100	20	0.2	0.5	8	0.87	1.00	0.18	0.97	1.00	0.13
100	200	0.2	0.5	8	1.00	1.00	0.73	1.00	1.00	0.77
100	1000	0.2	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	8	0.41	1.00	0.14	0.48	1.00	0.09
200	20	0.2	0.5	8	0.87	1.00	0.27	0.99	1.00	0.25
200	200	0.2	0.5	8	1.00	1.00	0.95	1.00	1.00	0.99
200	1000	0.2	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00

4	4	0.8	0.5	8	0.50	0.45	0.30	0.44	0.46	0.16
4	20	0.8	0.5	8	0.99	1.00	0.25	0.96	1.00	0.14
4	200	0.8	0.5	8	1.00	1.00	0.40	1.00	1.00	0.37
4	1000	0.8	0.5	8	1.00	1.00	0.73	1.00	1.00	0.74
20	4	0.8	0.5	8	0.69	1.00	0.42	0.89	1.00	0.18
20	20	0.8	0.5	8	0.99	1.00	0.48	1.00	1.00	0.34
20	200	0.8	0.5	8	1.00	1.00	0.66	1.00	1.00	0.77
20	1000	0.8	0.5	8	1.00	1.00	0.95	1.00	1.00	1.00
50	4	0.8	0.5	8	0.77	1.00	0.45	1.00	1.00	0.23
50	20	0.8	0.5	8	0.99	1.00	0.54	1.00	1.00	0.49
50	200	0.8	0.5	8	1.00	1.00	0.81	1.00	1.00	1.00
50	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	8	0.80	1.00	0.51	0.99	1.00	0.35
100	20	0.8	0.5	8	0.98	1.00	0.58	1.00	1.00	0.74
100	200	0.8	0.5	8	1.00	1.00	0.96	1.00	1.00	1.00
100	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	8	0.81	1.00	0.60	1.00	1.00	0.56
200	20	0.8	0.5	8	1.00	1.00	0.65	1.00	1.00	0.97
200	200	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	8	0.39	0.41	0.07	0.29	0.42	0.10
4	20	0.2	0.8	8	0.97	1.00	0.14	0.91	1.00	0.10
4	200	0.2	0.8	8	1.00	1.00	0.15	1.00	1.00	0.12
4	1000	0.2	0.8	8	1.00	1.00	0.44	1.00	1.00	0.44
20	4	0.2	0.8	8	0.61	1.00	0.14	0.69	1.00	0.06
20	20	0.2	0.8	8	0.99	1.00	0.16	1.00	1.00	0.09
20	200	0.2	0.8	8	1.00	1.00	0.34	1.00	1.00	0.35
20	1000	0.2	0.8	8	1.00	1.00	0.94	1.00	1.00	0.98
50	4	0.2	0.8	8	0.59	1.00	0.15	0.77	1.00	0.12
50	20	0.2	0.8	8	1.00	1.00	0.18	1.00	1.00	0.12
50	200	0.2	0.8	8	1.00	1.00	0.73	1.00	1.00	0.78
50	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	8	0.60	1.00	0.18	0.76	1.00	0.12
100	20	0.2	0.8	8	0.99	1.00	0.23	1.00	1.00	0.21
100	200	0.2	0.8	8	1.00	1.00	0.94	1.00	1.00	0.97
100	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	8	0.58	1.00	0.14	0.78	1.00	0.13
200	20	0.2	0.8	8	1.00	1.00	0.41	1.00	1.00	0.41

200	200	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	8	0.72	0.70	0.23	0.63	0.73	0.14
4	20	0.8	0.8	8	1.00	1.00	0.25	1.00	1.00	0.19
4	200	0.8	0.8	8	1.00	1.00	0.48	1.00	1.00	0.47
4	1000	0.8	0.8	8	1.00	1.00	0.87	1.00	1.00	0.92
20	4	0.8	0.8	8	0.89	1.00	0.36	0.99	1.00	0.15
20	20	0.8	0.8	8	1.00	1.00	0.51	1.00	1.00	0.40
20	200	0.8	0.8	8	1.00	1.00	0.82	1.00	1.00	0.96
20	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	8	0.89	1.00	0.45	1.00	1.00	0.23
50	20	0.8	0.8	8	1.00	1.00	0.61	1.00	1.00	0.73
50	200	0.8	0.8	8	1.00	1.00	0.97	1.00	1.00	1.00
50	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.8	8	0.88	1.00	0.57	1.00	1.00	0.42
100	20	0.8	0.8	8	1.00	1.00	0.63	1.00	1.00	0.95
100	200	0.8	0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	8	0.91	1.00	0.61	1.00	1.00	0.59
200	20	0.8	0.8	8	1.00	1.00	0.81	1.00	1.00	1.00
200	200	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	8	0.10	0.09	0.10	0.09	0.11	0.10
4	20	0.2	-0.2	8	0.29	0.29	0.08	0.24	0.23	0.07
4	200	0.2	-0.2	8	0.97	1.00	0.12	0.90	1.00	0.08
4	1000	0.2	-0.2	8	1.00	1.00	0.15	1.00	1.00	0.13
20	4	0.2	-0.2	8	0.23	0.33	0.07	0.20	0.25	0.02
20	20	0.2	-0.2	8	0.31	0.92	0.12	0.33	0.83	0.06
20	200	0.2	-0.2	8	0.99	1.00	0.14	0.99	1.00	0.08
20	1000	0.2	-0.2	8	1.00	1.00	0.25	1.00	1.00	0.20
50	4	0.2	-0.2	8	0.16	0.64	0.13	0.11	0.54	0.07
50	20	0.2	-0.2	8	0.35	1.00	0.09	0.39	1.00	0.05
50	200	0.2	-0.2	8	1.00	1.00	0.20	1.00	1.00	0.14
50	1000	0.2	-0.2	8	1.00	1.00	0.48	1.00	1.00	0.48
100	4	0.2	-0.2	8	0.18	0.92	0.11	0.16	0.87	0.07
100	20	0.2	-0.2	8	0.34	1.00	0.11	0.44	1.00	0.06
100	200	0.2	-0.2	8	0.99	1.00	0.21	1.00	1.00	0.18
100	1000	0.2	-0.2	8	1.00	1.00	0.72	1.00	1.00	0.77

200	4	0.2	-0.2	8	0.18	1.00	0.14	0.16	0.98	0.07
200	20	0.2	-0.2	8	0.36	1.00	0.18	0.46	1.00	0.13
200	200	0.2	-0.2	8	0.97	1.00	0.43	1.00	1.00	0.41
200	1000	0.2	-0.2	8	1.00	1.00	0.93	1.00	1.00	0.98
4	4	0.8	-0.2	8	0.22	0.11	0.28	0.18	0.19	0.17
4	20	0.8	-0.2	8	0.47	0.37	0.22	0.40	0.36	0.14
4	200	0.8	-0.2	8	1.00	1.00	0.28	1.00	1.00	0.27
4	1000	0.8	-0.2	8	1.00	1.00	0.38	1.00	1.00	0.32
20	4	0.8	-0.2	8	0.51	0.46	0.45	0.50	0.46	0.20
20	20	0.8	-0.2	8	0.76	0.99	0.42	0.87	0.99	0.25
20	200	0.8	-0.2	8	1.00	1.00	0.52	1.00	1.00	0.48
20	1000	0.8	-0.2	8	1.00	1.00	0.67	1.00	1.00	0.81
50	4	0.8	-0.2	8	0.53	0.83	0.48	0.59	0.82	0.18
50	20	0.8	-0.2	8	0.75	1.00	0.51	0.97	1.00	0.30
50	200	0.8	-0.2	8	1.00	1.00	0.61	1.00	1.00	0.72
50	1000	0.8	-0.2	8	1.00	1.00	0.84	1.00	1.00	1.00
100	4	0.8	-0.2	8	0.59	0.98	0.52	0.82	0.98	0.21
100	20	0.8	-0.2	8	0.75	1.00	0.53	1.00	1.00	0.41
100	200	0.8	-0.2	8	1.00	1.00	0.68	1.00	1.00	0.94
100	1000	0.8	-0.2	8	1.00	1.00	0.95	1.00	1.00	1.00
200	4	0.8	-0.2	8	0.56	1.00	0.50	0.86	1.00	0.25
200	20	0.8	-0.2	8	0.80	1.00	0.52	1.00	1.00	0.53
200	200	0.8	-0.2	8	1.00	1.00	0.78	1.00	1.00	1.00
200	1000	0.8	-0.2	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.5	8	0.27	0.26	0.09	0.24	0.30	0.09
4	20	0.2	-0.5	8	0.81	0.90	0.12	0.70	0.87	0.08
4	200	0.2	-0.5	8	1.00	1.00	0.16	1.00	1.00	0.12
4	1000	0.2	-0.5	8	1.00	1.00	0.24	1.00	1.00	0.21
20	4	0.2	-0.5	8	0.39	0.97	0.11	0.43	0.88	0.06
20	20	0.2	-0.5	8	0.90	1.00	0.14	0.97	1.00	0.08
20	200	0.2	-0.5	8	1.00	1.00	0.26	1.00	1.00	0.21
20	1000	0.2	-0.5	8	1.00	1.00	0.74	1.00	1.00	0.80
50	4	0.2	-0.5	8	0.36	1.00	0.14	0.42	1.00	0.10
50	20	0.2	-0.5	8	0.89	1.00	0.15	0.98	1.00	0.08
50	200	0.2	-0.5	8	1.00	1.00	0.49	1.00	1.00	0.51
50	1000	0.2	-0.5	8	1.00	1.00	0.98	1.00	1.00	1.00
100	4	0.2	-0.5	8	0.42	1.00	0.15	0.51	1.00	0.09
100	20	0.2	-0.5	8	0.87	1.00	0.20	0.99	1.00	0.15

100	200	0.2	-0.5	8	1.00	1.00	0.76	1.00	1.00	0.80
100	1000	0.2	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.5	8	0.37	1.00	0.19	0.43	1.00	0.10
200	20	0.2	-0.5	8	0.90	1.00	0.27	0.99	1.00	0.26
200	200	0.2	-0.5	8	1.00	1.00	0.95	1.00	1.00	0.97
200	1000	0.2	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	8	0.47	0.37	0.21	0.44	0.46	0.13
4	20	0.8	-0.5	8	0.98	0.99	0.27	0.95	0.99	0.22
4	200	0.8	-0.5	8	1.00	1.00	0.37	1.00	1.00	0.38
4	1000	0.8	-0.5	8	1.00	1.00	0.71	1.00	1.00	0.75
20	4	0.8	-0.5	8	0.74	1.00	0.44	0.93	1.00	0.21
20	20	0.8	-0.5	8	1.00	1.00	0.50	1.00	1.00	0.33
20	200	0.8	-0.5	8	1.00	1.00	0.73	1.00	1.00	0.83
20	1000	0.8	-0.5	8	1.00	1.00	0.97	1.00	1.00	1.00
50	4	0.8	-0.5	8	0.72	1.00	0.48	0.98	1.00	0.25
50	20	0.8	-0.5	8	0.99	1.00	0.54	1.00	1.00	0.54
50	200	0.8	-0.5	8	1.00	1.00	0.86	1.00	1.00	0.99
50	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.5	8	0.75	1.00	0.49	1.00	1.00	0.41
100	20	0.8	-0.5	8	0.98	1.00	0.62	1.00	1.00	0.76
100	200	0.8	-0.5	8	1.00	1.00	0.93	1.00	1.00	1.00
100	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.5	8	0.80	1.00	0.51	1.00	1.00	0.55
200	20	0.8	-0.5	8	1.00	1.00	0.65	1.00	1.00	0.99
200	200	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.8	8	0.40	0.49	0.06	0.33	0.47	0.09
4	20	0.2	-0.8	8	0.98	1.00	0.10	0.95	1.00	0.08
4	200	0.2	-0.8	8	1.00	1.00	0.14	1.00	1.00	0.11
4	1000	0.2	-0.8	8	1.00	1.00	0.44	1.00	1.00	0.42
20	4	0.2	-0.8	8	0.52	1.00	0.10	0.73	1.00	0.08
20	20	0.2	-0.8	8	1.00	1.00	0.12	1.00	1.00	0.10
20	200	0.2	-0.8	8	1.00	1.00	0.45	1.00	1.00	0.45
20	1000	0.2	-0.8	8	1.00	1.00	0.90	1.00	1.00	0.97
50	4	0.2	-0.8	8	0.57	1.00	0.14	0.73	1.00	0.08
50	20	0.2	-0.8	8	0.98	1.00	0.16	1.00	1.00	0.11
50	200	0.2	-0.8	8	1.00	1.00	0.74	1.00	1.00	0.80
50	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00

100	4	0.2	-0.8	8	0.55	1.00	0.13	0.73	1.00	0.08
100	20	0.2	-0.8	8	1.00	1.00	0.28	1.00	1.00	0.26
100	200	0.2	-0.8	8	1.00	1.00	0.96	1.00	1.00	0.98
100	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.8	8	0.59	1.00	0.18	0.76	1.00	0.16
200	20	0.2	-0.8	8	1.00	1.00	0.39	1.00	1.00	0.38
200	200	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	8	0.73	0.71	0.25	0.62	0.72	0.13
4	20	0.8	-0.8	8	1.00	1.00	0.29	1.00	1.00	0.18
4	200	0.8	-0.8	8	1.00	1.00	0.52	1.00	1.00	0.54
4	1000	0.8	-0.8	8	1.00	1.00	0.89	1.00	1.00	0.91
20	4	0.8	-0.8	8	0.90	1.00	0.36	1.00	1.00	0.13
20	20	0.8	-0.8	8	1.00	1.00	0.49	1.00	1.00	0.35
20	200	0.8	-0.8	8	1.00	1.00	0.84	1.00	1.00	0.95
20	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	-0.8	8	0.90	1.00	0.54	1.00	1.00	0.31
50	20	0.8	-0.8	8	1.00	1.00	0.58	1.00	1.00	0.74
50	200	0.8	-0.8	8	1.00	1.00	0.95	1.00	1.00	1.00
50	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	8	0.90	1.00	0.52	1.00	1.00	0.45
100	20	0.8	-0.8	8	1.00	1.00	0.69	1.00	1.00	0.97
100	200	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	8	0.91	1.00	0.61	1.00	1.00	0.65
200	20	0.8	-0.8	8	1.00	1.00	0.83	1.00	1.00	0.99
200	200	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.0	1	0.08	0.03	0.04	0.12	0.07	0.06
4	20	0	0.0	1	0.13	0.04	0.08	0.12	0.06	0.10
4	200	0	0.0	1	0.06	0.04	0.05	0.06	0.04	0.05
4	1000	0	0.0	1	0.10	0.05	0.04	0.09	0.05	0.04
20	4	0	0.0	1	0.06	0.05	0.04	0.09	0.07	0.04
20	20	0	0.0	1	0.07	0.03	0.06	0.08	0.04	0.07
20	200	0	0.0	1	0.04	0.07	0.08	0.04	0.06	0.08
20	1000	0	0.0	1	0.05	0.03	0.06	0.05	0.03	0.06
50	4	0	0.0	1	0.08	0.05	0.04	0.09	0.04	0.05
50	20	0	0.0	1	0.06	0.06	0.04	0.06	0.05	0.04

50	200	0	0.0	1	0.06	0.06	0.05	0.06	0.05	0.04
50	1000	0	0.0	1	0.05	0.03	0.05	0.06	0.04	0.05
100	4	0	0.0	1	0.08	0.01	0.04	0.09	0.02	0.04
100	20	0	0.0	1	0.04	0.07	0.05	0.04	0.05	0.05
100	200	0	0.0	1	0.06	0.03	0.05	0.06	0.03	0.05
100	1000	0	0.0	1	0.05	0.06	0.06	0.05	0.03	0.06
200	4	0	0.0	1	0.07	0.03	0.02	0.07	0.05	0.01
200	20	0	0.0	1	0.03	0.03	0.03	0.04	0.01	0.03
200	200	0	0.0	1	0.06	0.05	0.03	0.06	0.04	0.03
200	1000	0	0.0	1	0.06	0.04	0.05	0.06	0.04	0.05
4	4	0.5	0.0	1	0.11	0.04	0.17	0.11	0.09	0.14
4	20	0.5	0.0	1	0.16	0.06	0.18	0.12	0.07	0.14
4	200	0.5	0.0	1	0.13	0.04	0.14	0.10	0.05	0.09
4	1000	0.5	0.0	1	0.15	0.04	0.13	0.10	0.05	0.12
20	4	0.5	0.0	1	0.22	0.04	0.25	0.09	0.05	0.12
20	20	0.5	0.0	1	0.18	0.07	0.25	0.07	0.04	0.07
20	200	0.5	0.0	1	0.22	0.04	0.21	0.11	0.05	0.07
20	1000	0.5	0.0	1	0.16	0.05	0.24	0.08	0.04	0.07
50	4	0.5	0.0	1	0.25	0.04	0.33	0.07	0.04	0.10
50	20	0.5	0.0	1	0.26	0.04	0.23	0.06	0.04	0.05
50	200	0.5	0.0	1	0.28	0.04	0.22	0.08	0.02	0.05
50	1000	0.5	0.0	1	0.23	0.04	0.27	0.09	0.03	0.07
100	4	0.5	0.0	1	0.22	0.04	0.28	0.05	0.02	0.06
100	20	0.5	0.0	1	0.28	0.04	0.21	0.11	0.02	0.02
100	200	0.5	0.0	1	0.25	0.05	0.26	0.09	0.06	0.08
100	1000	0.5	0.0	1	0.24	0.04	0.23	0.04	0.05	0.05
200	4	0.5	0.0	1	0.21	0.06	0.24	0.06	0.03	0.04
200	20	0.5	0.0	1	0.29	0.04	0.31	0.08	0.02	0.05
200	200	0.5	0.0	1	0.28	0.03	0.26	0.07	0.03	0.06
200	1000	0.5	0.0	1	0.27	0.05	0.30	0.07	0.06	0.08
4	4	0	0.2	1	0.22	0.19	0.05	0.17	0.17	0.09
4	20	0	0.2	1	0.48	0.58	0.06	0.38	0.43	0.06
4	200	0	0.2	1	1.00	1.00	0.09	1.00	1.00	0.08
4	1000	0	0.2	1	1.00	1.00	0.16	1.00	1.00	0.17
20	4	0	0.2	1	0.19	0.73	0.04	0.19	0.56	0.05
20	20	0	0.2	1	0.55	1.00	0.05	0.53	1.00	0.06
20	200	0	0.2	1	1.00	1.00	0.12	1.00	1.00	0.12
20	1000	0	0.2	1	1.00	1.00	0.40	1.00	1.00	0.40

50	4	0	0.2	1	0.14	0.99	0.09	0.14	0.92	0.09
50	20	0	0.2	1	0.56	1.00	0.08	0.54	1.00	0.08
50	200	0	0.2	1	1.00	1.00	0.25	1.00	1.00	0.25
50	1000	0	0.2	1	1.00	1.00	0.80	1.00	1.00	0.80
100	4	0	0.2	1	0.17	1.00	0.05	0.17	1.00	0.05
100	20	0	0.2	1	0.58	1.00	0.09	0.56	1.00	0.09
100	200	0	0.2	1	1.00	1.00	0.36	1.00	1.00	0.36
100	1000	0	0.2	1	1.00	1.00	0.97	1.00	1.00	0.97
200	4	0	0.2	1	0.19	1.00	0.06	0.18	1.00	0.06
200	20	0	0.2	1	0.51	1.00	0.12	0.52	1.00	0.12
200	200	0	0.2	1	1.00	1.00	0.69	1.00	1.00	0.69
200	1000	0	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.2	1	0.32	0.22	0.15	0.24	0.27	0.11
4	20	0.5	0.2	1	0.70	0.76	0.22	0.64	0.75	0.10
4	200	0.5	0.2	1	1.00	1.00	0.20	1.00	1.00	0.12
4	1000	0.5	0.2	1	1.00	1.00	0.28	1.00	1.00	0.30
20	4	0.5	0.2	1	0.42	0.90	0.23	0.51	0.84	0.12
20	20	0.5	0.2	1	0.88	1.00	0.21	0.98	1.00	0.08
20	200	0.5	0.2	1	1.00	1.00	0.39	1.00	1.00	0.29
20	1000	0.5	0.2	1	1.00	1.00	0.70	1.00	1.00	0.89
50	4	0.5	0.2	1	0.44	1.00	0.23	0.70	1.00	0.05
50	20	0.5	0.2	1	0.81	1.00	0.29	1.00	1.00	0.12
50	200	0.5	0.2	1	1.00	1.00	0.59	1.00	1.00	0.67
50	1000	0.5	0.2	1	1.00	1.00	0.94	1.00	1.00	1.00
100	4	0.5	0.2	1	0.45	1.00	0.29	0.81	1.00	0.11
100	20	0.5	0.2	1	0.87	1.00	0.31	1.00	1.00	0.18
100	200	0.5	0.2	1	1.00	1.00	0.69	1.00	1.00	0.90
100	1000	0.5	0.2	1	1.00	1.00	0.99	1.00	1.00	1.00
200	4	0.5	0.2	1	0.48	1.00	0.32	0.77	1.00	0.17
200	20	0.5	0.2	1	0.88	1.00	0.30	1.00	1.00	0.27
200	200	0.5	0.2	1	1.00	1.00	0.89	1.00	1.00	1.00
200	1000	0.5	0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.5	1	0.51	0.56	0.06	0.39	0.49	0.10
4	20	0	0.5	1	0.96	1.00	0.07	0.85	0.98	0.08
4	200	0	0.5	1	1.00	1.00	0.10	1.00	1.00	0.10
4	1000	0	0.5	1	1.00	1.00	0.32	1.00	1.00	0.32
20	4	0	0.5	1	0.55	1.00	0.04	0.48	1.00	0.06
20	20	0	0.5	1	0.99	1.00	0.08	0.98	1.00	0.08

20	200	0	0.5	1	1.00	1.00	0.35	1.00	1.00	0.35
20	1000	0	0.5	1	1.00	1.00	0.96	1.00	1.00	0.96
50	4	0	0.5	1	0.50	1.00	0.08	0.48	1.00	0.08
50	20	0	0.5	1	1.00	1.00	0.12	0.99	1.00	0.12
50	200	0	0.5	1	1.00	1.00	0.73	1.00	1.00	0.73
50	1000	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.5	1	0.60	1.00	0.05	0.59	1.00	0.05
100	20	0	0.5	1	1.00	1.00	0.22	1.00	1.00	0.22
100	200	0	0.5	1	1.00	1.00	0.92	1.00	1.00	0.92
100	1000	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.5	1	0.56	1.00	0.12	0.56	1.00	0.12
200	20	0	0.5	1	1.00	1.00	0.34	1.00	1.00	0.34
200	200	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.5	1	0.65	0.75	0.18	0.58	0.75	0.19
4	20	0.5	0.5	1	1.00	1.00	0.22	1.00	1.00	0.14
4	200	0.5	0.5	1	1.00	1.00	0.39	1.00	1.00	0.35
4	1000	0.5	0.5	1	1.00	1.00	0.76	1.00	1.00	0.84
20	4	0.5	0.5	1	0.83	1.00	0.28	0.98	1.00	0.17
20	20	0.5	0.5	1	1.00	1.00	0.31	1.00	1.00	0.20
20	200	0.5	0.5	1	1.00	1.00	0.70	1.00	1.00	0.84
20	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	0.5	1	0.85	1.00	0.32	1.00	1.00	0.22
50	20	0.5	0.5	1	1.00	1.00	0.40	1.00	1.00	0.38
50	200	0.5	0.5	1	1.00	1.00	0.92	1.00	1.00	1.00
50	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.5	1	0.87	1.00	0.36	1.00	1.00	0.28
100	20	0.5	0.5	1	1.00	1.00	0.54	1.00	1.00	0.64
100	200	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	1	0.83	1.00	0.39	1.00	1.00	0.45
200	20	0.5	0.5	1	1.00	1.00	0.68	1.00	1.00	0.89
200	200	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	1	0.64	0.82	0.05	0.47	0.76	0.10
4	20	0	0.8	1	1.00	1.00	0.05	0.99	1.00	0.07
4	200	0	0.8	1	1.00	1.00	0.15	1.00	1.00	0.15
4	1000	0	0.8	1	1.00	1.00	0.55	1.00	1.00	0.55

20	4	0	0.8	1	0.74	1.00	0.03	0.78	1.00	0.05
20	20	0	0.8	1	1.00	1.00	0.08	1.00	1.00	0.08
20	200	0	0.8	1	1.00	1.00	0.52	1.00	1.00	0.52
20	1000	0	0.8	1	1.00	1.00	0.98	1.00	1.00	0.98
50	4	0	0.8	1	0.71	1.00	0.08	0.70	1.00	0.08
50	20	0	0.8	1	1.00	1.00	0.12	1.00	1.00	0.12
50	200	0	0.8	1	1.00	1.00	0.89	1.00	1.00	0.89
50	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	1	0.78	1.00	0.11	0.78	1.00	0.12
100	20	0	0.8	1	1.00	1.00	0.27	1.00	1.00	0.26
100	200	0	0.8	1	1.00	1.00	0.99	1.00	1.00	0.99
100	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	1	0.79	1.00	0.13	0.76	1.00	0.12
200	20	0	0.8	1	1.00	1.00	0.54	1.00	1.00	0.54
200	200	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	1	0.89	0.98	0.15	0.86	0.99	0.14
4	20	0.5	0.8	1	1.00	1.00	0.17	1.00	1.00	0.14
4	200	0.5	0.8	1	1.00	1.00	0.34	1.00	1.00	0.36
4	1000	0.5	0.8	1	1.00	1.00	0.79	1.00	1.00	0.88
20	4	0.5	0.8	1	0.95	1.00	0.22	1.00	1.00	0.11
20	20	0.5	0.8	1	1.00	1.00	0.30	1.00	1.00	0.24
20	200	0.5	0.8	1	1.00	1.00	0.78	1.00	1.00	0.92
20	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	0.8	1	0.95	1.00	0.29	1.00	1.00	0.20
50	20	0.5	0.8	1	1.00	1.00	0.46	1.00	1.00	0.46
50	200	0.5	0.8	1	1.00	1.00	0.99	1.00	1.00	1.00
50	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	1	0.94	1.00	0.38	1.00	1.00	0.40
100	20	0.5	0.8	1	1.00	1.00	0.51	1.00	1.00	0.74
100	200	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	1	0.94	1.00	0.41	1.00	1.00	0.55
200	20	0.5	0.8	1	1.00	1.00	0.81	1.00	1.00	0.98
200	200	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	1	0.16	0.16	0.05	0.14	0.16	0.09
4	20	0	-0.2	1	0.50	0.61	0.08	0.34	0.49	0.08

4	200	0	-0.2	1	1.00	1.00	0.08	1.00	1.00	0.09
4	1000	0	-0.2	1	1.00	1.00	0.11	1.00	1.00	0.11
20	4	0	-0.2	1	0.17	0.69	0.03	0.16	0.50	0.04
20	20	0	-0.2	1	0.55	1.00	0.05	0.50	0.99	0.04
20	200	0	-0.2	1	1.00	1.00	0.11	1.00	1.00	0.11
20	1000	0	-0.2	1	1.00	1.00	0.41	1.00	1.00	0.41
50	4	0	-0.2	1	0.19	0.98	0.07	0.18	0.90	0.07
50	20	0	-0.2	1	0.56	1.00	0.08	0.54	1.00	0.08
50	200	0	-0.2	1	1.00	1.00	0.22	1.00	1.00	0.22
50	1000	0	-0.2	1	1.00	1.00	0.72	1.00	1.00	0.72
100	4	0	-0.2	1	0.17	1.00	0.04	0.18	1.00	0.04
100	20	0	-0.2	1	0.56	1.00	0.07	0.55	1.00	0.08
100	200	0	-0.2	1	1.00	1.00	0.41	1.00	1.00	0.40
100	1000	0	-0.2	1	1.00	1.00	0.97	1.00	1.00	0.97
200	4	0	-0.2	1	0.13	1.00	0.06	0.13	1.00	0.06
200	20	0	-0.2	1	0.55	1.00	0.10	0.54	1.00	0.10
200	200	0	-0.2	1	1.00	1.00	0.66	1.00	1.00	0.66
200	1000	0	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.2	1	0.23	0.21	0.16	0.19	0.24	0.15
4	20	0.5	-0.2	1	0.68	0.77	0.14	0.59	0.74	0.09
4	200	0.5	-0.2	1	1.00	1.00	0.24	1.00	1.00	0.14
4	1000	0.5	-0.2	1	1.00	1.00	0.33	1.00	1.00	0.25
20	4	0.5	-0.2	1	0.40	0.85	0.22	0.50	0.80	0.10
20	20	0.5	-0.2	1	0.81	1.00	0.28	0.97	1.00	0.15
20	200	0.5	-0.2	1	1.00	1.00	0.35	1.00	1.00	0.36
20	1000	0.5	-0.2	1	1.00	1.00	0.77	1.00	1.00	0.90
50	4	0.5	-0.2	1	0.46	1.00	0.27	0.68	0.99	0.12
50	20	0.5	-0.2	1	0.85	1.00	0.30	1.00	1.00	0.12
50	200	0.5	-0.2	1	1.00	1.00	0.48	1.00	1.00	0.62
50	1000	0.5	-0.2	1	1.00	1.00	0.97	1.00	1.00	1.00
100	4	0.5	-0.2	1	0.46	1.00	0.23	0.77	1.00	0.08
100	20	0.5	-0.2	1	0.90	1.00	0.35	1.00	1.00	0.19
100	200	0.5	-0.2	1	1.00	1.00	0.77	1.00	1.00	0.92
100	1000	0.5	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.2	1	0.50	1.00	0.33	0.83	1.00	0.17
200	20	0.5	-0.2	1	0.82	1.00	0.40	1.00	1.00	0.36
200	200	0.5	-0.2	1	1.00	1.00	0.90	1.00	1.00	1.00
200	1000	0.5	-0.2	1	1.00	1.00	1.00	1.00	1.00	1.00

4	4	0	-0.5	1	0.43	0.58	0.04	0.30	0.52	0.10
4	20	0	-0.5	1	0.99	1.00	0.05	0.94	1.00	0.06
4	200	0	-0.5	1	1.00	1.00	0.13	1.00	1.00	0.13
4	1000	0	-0.5	1	1.00	1.00	0.41	1.00	1.00	0.42
20	4	0	-0.5	1	0.61	1.00	0.05	0.58	1.00	0.05
20	20	0	-0.5	1	0.99	1.00	0.09	0.99	1.00	0.08
20	200	0	-0.5	1	1.00	1.00	0.41	1.00	1.00	0.41
20	1000	0	-0.5	1	1.00	1.00	0.94	1.00	1.00	0.94
50	4	0	-0.5	1	0.54	1.00	0.09	0.56	1.00	0.08
50	20	0	-0.5	1	1.00	1.00	0.12	1.00	1.00	0.12
50	200	0	-0.5	1	1.00	1.00	0.69	1.00	1.00	0.69
50	1000	0	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.5	1	0.57	1.00	0.09	0.56	1.00	0.10
100	20	0	-0.5	1	1.00	1.00	0.23	1.00	1.00	0.23
100	200	0	-0.5	1	1.00	1.00	0.95	1.00	1.00	0.95
100	1000	0	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	1	0.58	1.00	0.11	0.61	1.00	0.10
200	20	0	-0.5	1	1.00	1.00	0.28	1.00	1.00	0.29
200	200	0	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.5	1	0.77	0.84	0.13	0.69	0.84	0.12
4	20	0.5	-0.5	1	1.00	1.00	0.19	1.00	1.00	0.12
4	200	0.5	-0.5	1	1.00	1.00	0.30	1.00	1.00	0.29
4	1000	0.5	-0.5	1	1.00	1.00	0.77	1.00	1.00	0.85
20	4	0.5	-0.5	1	0.87	1.00	0.15	1.00	1.00	0.08
20	20	0.5	-0.5	1	1.00	1.00	0.37	1.00	1.00	0.23
20	200	0.5	-0.5	1	1.00	1.00	0.71	1.00	1.00	0.90
20	1000	0.5	-0.5	1	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.5	-0.5	1	0.85	1.00	0.24	1.00	1.00	0.16
50	20	0.5	-0.5	1	1.00	1.00	0.41	1.00	1.00	0.40
50	200	0.5	-0.5	1	1.00	1.00	0.93	1.00	1.00	1.00
50	1000	0.5	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.5	1	0.88	1.00	0.34	1.00	1.00	0.34
100	20	0.5	-0.5	1	1.00	1.00	0.48	1.00	1.00	0.56
100	200	0.5	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.5	1	0.92	1.00	0.42	1.00	1.00	0.44
200	20	0.5	-0.5	1	1.00	1.00	0.68	1.00	1.00	0.88

200	200	0.5	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.8	1	0.66	0.86	0.04	0.54	0.80	0.08
4	20	0	-0.8	1	1.00	1.00	0.09	0.98	1.00	0.09
4	200	0	-0.8	1	1.00	1.00	0.13	1.00	1.00	0.13
4	1000	0	-0.8	1	1.00	1.00	0.54	1.00	1.00	0.54
20	4	0	-0.8	1	0.80	1.00	0.05	0.79	1.00	0.06
20	20	0	-0.8	1	1.00	1.00	0.08	1.00	1.00	0.08
20	200	0	-0.8	1	1.00	1.00	0.49	1.00	1.00	0.50
20	1000	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0	-0.8	1	0.75	1.00	0.08	0.75	1.00	0.07
50	20	0	-0.8	1	1.00	1.00	0.16	1.00	1.00	0.16
50	200	0	-0.8	1	1.00	1.00	0.88	1.00	1.00	0.88
50	1000	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.8	1	0.74	1.00	0.08	0.75	1.00	0.09
100	20	0	-0.8	1	1.00	1.00	0.26	1.00	1.00	0.26
100	200	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.8	1	0.76	1.00	0.14	0.75	1.00	0.14
200	20	0	-0.8	1	1.00	1.00	0.50	1.00	1.00	0.49
200	200	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	1	0.93	0.99	0.12	0.89	0.98	0.10
4	20	0.5	-0.8	1	1.00	1.00	0.22	1.00	1.00	0.15
4	200	0.5	-0.8	1	1.00	1.00	0.38	1.00	1.00	0.38
4	1000	0.5	-0.8	1	1.00	1.00	0.81	1.00	1.00	0.88
20	4	0.5	-0.8	1	0.98	1.00	0.23	1.00	1.00	0.09
20	20	0.5	-0.8	1	1.00	1.00	0.34	1.00	1.00	0.27
20	200	0.5	-0.8	1	1.00	1.00	0.82	1.00	1.00	0.95
20	1000	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	-0.8	1	0.97	1.00	0.30	1.00	1.00	0.18
50	20	0.5	-0.8	1	1.00	1.00	0.48	1.00	1.00	0.55
50	200	0.5	-0.8	1	1.00	1.00	0.99	1.00	1.00	1.00
50	1000	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.8	1	0.96	1.00	0.39	1.00	1.00	0.35
100	20	0.5	-0.8	1	1.00	1.00	0.57	1.00	1.00	0.75
100	200	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00

200	4	0.5	-0.8	1	0.94	1.00	0.43	1.00	1.00	0.53
200	20	0.5	-0.8	1	1.00	1.00	0.78	1.00	1.00	0.97
200	200	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.0	2	0.09	0.04	0.04	0.11	0.06	0.05
4	20	0	0.0	2	0.11	0.05	0.02	0.11	0.04	0.04
4	200	0	0.0	2	0.09	0.07	0.05	0.07	0.05	0.05
4	1000	0	0.0	2	0.11	0.08	0.05	0.10	0.09	0.05
20	4	0	0.0	2	0.03	0.07	0.06	0.04	0.04	0.06
20	20	0	0.0	2	0.05	0.08	0.06	0.07	0.05	0.06
20	200	0	0.0	2	0.12	0.03	0.05	0.12	0.03	0.05
20	1000	0	0.0	2	0.04	0.04	0.07	0.05	0.04	0.07
50	4	0	0.0	2	0.07	0.04	0.06	0.07	0.05	0.05
50	20	0	0.0	2	0.03	0.03	0.04	0.03	0.02	0.05
50	200	0	0.0	2	0.10	0.04	0.04	0.09	0.04	0.04
50	1000	0	0.0	2	0.04	0.06	0.04	0.04	0.04	0.04
100	4	0	0.0	2	0.07	0.06	0.05	0.08	0.02	0.05
100	20	0	0.0	2	0.08	0.05	0.04	0.07	0.04	0.03
100	200	0	0.0	2	0.05	0.03	0.02	0.05	0.03	0.02
100	1000	0	0.0	2	0.05	0.06	0.03	0.05	0.04	0.03
200	4	0	0.0	2	0.09	0.05	0.03	0.09	0.05	0.03
200	20	0	0.0	2	0.05	0.04	0.05	0.05	0.03	0.05
200	200	0	0.0	2	0.06	0.05	0.07	0.06	0.02	0.07
200	1000	0	0.0	2	0.04	0.06	0.06	0.04	0.03	0.06
4	4	0.5	0.0	2	0.14	0.05	0.17	0.11	0.11	0.17
4	20	0.5	0.0	2	0.11	0.07	0.18	0.06	0.06	0.15
4	200	0.5	0.0	2	0.16	0.08	0.22	0.10	0.07	0.12
4	1000	0.5	0.0	2	0.12	0.05	0.19	0.08	0.05	0.12
20	4	0.5	0.0	2	0.20	0.04	0.23	0.11	0.05	0.11
20	20	0.5	0.0	2	0.18	0.05	0.27	0.08	0.04	0.09
20	200	0.5	0.0	2	0.26	0.06	0.24	0.11	0.04	0.10
20	1000	0.5	0.0	2	0.23	0.06	0.21	0.09	0.05	0.06
50	4	0.5	0.0	2	0.26	0.04	0.26	0.05	0.03	0.08
50	20	0.5	0.0	2	0.30	0.04	0.21	0.09	0.03	0.06
50	200	0.5	0.0	2	0.24	0.06	0.26	0.11	0.06	0.09
50	1000	0.5	0.0	2	0.24	0.05	0.26	0.10	0.06	0.08
100	4	0.5	0.0	2	0.27	0.05	0.33	0.06	0.05	0.10
100	20	0.5	0.0	2	0.23	0.05	0.18	0.08	0.05	0.05

100	200	0.5	0.0	2	0.29	0.05	0.22	0.09	0.06	0.04
100	1000	0.5	0.0	2	0.18	0.08	0.25	0.05	0.07	0.07
200	4	0.5	0.0	2	0.29	0.03	0.27	0.10	0.04	0.06
200	20	0.5	0.0	2	0.25	0.06	0.22	0.04	0.05	0.04
200	200	0.5	0.0	2	0.29	0.03	0.26	0.06	0.04	0.07
200	1000	0.5	0.0	2	0.30	0.06	0.21	0.07	0.06	0.03
4	4	0	0.2	2	0.13	0.12	0.05	0.11	0.15	0.08
4	20	0	0.2	2	0.24	0.33	0.04	0.14	0.24	0.05
4	200	0	0.2	2	0.99	1.00	0.06	0.92	0.99	0.05
4	1000	0	0.2	2	1.00	1.00	0.10	1.00	1.00	0.10
20	4	0	0.2	2	0.12	0.49	0.07	0.12	0.31	0.07
20	20	0	0.2	2	0.37	1.00	0.08	0.33	0.91	0.08
20	200	0	0.2	2	1.00	1.00	0.08	1.00	1.00	0.08
20	1000	0	0.2	2	1.00	1.00	0.27	1.00	1.00	0.27
50	4	0	0.2	2	0.13	0.78	0.04	0.13	0.59	0.05
50	20	0	0.2	2	0.37	1.00	0.09	0.36	1.00	0.08
50	200	0	0.2	2	1.00	1.00	0.15	1.00	1.00	0.15
50	1000	0	0.2	2	1.00	1.00	0.58	1.00	1.00	0.58
100	4	0	0.2	2	0.09	0.99	0.05	0.10	0.93	0.05
100	20	0	0.2	2	0.36	1.00	0.06	0.35	1.00	0.07
100	200	0	0.2	2	1.00	1.00	0.26	1.00	1.00	0.26
100	1000	0	0.2	2	1.00	1.00	0.87	1.00	1.00	0.87
200	4	0	0.2	2	0.11	1.00	0.06	0.11	1.00	0.07
200	20	0	0.2	2	0.39	1.00	0.10	0.39	1.00	0.11
200	200	0	0.2	2	1.00	1.00	0.41	1.00	1.00	0.41
200	1000	0	0.2	2	1.00	1.00	0.99	1.00	1.00	0.99
4	4	0.5	0.2	2	0.19	0.13	0.15	0.12	0.17	0.14
4	20	0.5	0.2	2	0.55	0.47	0.17	0.46	0.43	0.11
4	200	0.5	0.2	2	1.00	1.00	0.20	1.00	1.00	0.16
4	1000	0.5	0.2	2	1.00	1.00	0.28	1.00	1.00	0.27
20	4	0.5	0.2	2	0.34	0.61	0.26	0.41	0.59	0.10
20	20	0.5	0.2	2	0.66	1.00	0.24	0.85	1.00	0.10
20	200	0.5	0.2	2	1.00	1.00	0.28	1.00	1.00	0.18
20	1000	0.5	0.2	2	1.00	1.00	0.53	1.00	1.00	0.67
50	4	0.5	0.2	2	0.34	0.97	0.25	0.46	0.96	0.07
50	20	0.5	0.2	2	0.67	1.00	0.33	0.96	1.00	0.14
50	200	0.5	0.2	2	1.00	1.00	0.49	1.00	1.00	0.48
50	1000	0.5	0.2	2	1.00	1.00	0.78	1.00	1.00	0.97

100	4	0.5	0.2	2	0.36	1.00	0.22	0.50	1.00	0.10
100	20	0.5	0.2	2	0.68	1.00	0.31	0.99	1.00	0.14
100	200	0.5	0.2	2	1.00	1.00	0.63	1.00	1.00	0.77
100	1000	0.5	0.2	2	1.00	1.00	0.96	1.00	1.00	1.00
200	4	0.5	0.2	2	0.37	1.00	0.29	0.52	1.00	0.12
200	20	0.5	0.2	2	0.68	1.00	0.33	1.00	1.00	0.24
200	200	0.5	0.2	2	1.00	1.00	0.77	1.00	1.00	0.94
200	1000	0.5	0.2	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.5	2	0.32	0.33	0.05	0.27	0.36	0.08
4	20	0	0.5	2	0.91	0.98	0.05	0.71	0.95	0.04
4	200	0	0.5	2	1.00	1.00	0.11	1.00	1.00	0.12
4	1000	0	0.5	2	1.00	1.00	0.24	1.00	1.00	0.24
20	4	0	0.5	2	0.38	0.99	0.05	0.37	0.94	0.06
20	20	0	0.5	2	0.95	1.00	0.10	0.92	1.00	0.09
20	200	0	0.5	2	1.00	1.00	0.31	1.00	1.00	0.30
20	1000	0	0.5	2	1.00	1.00	0.82	1.00	1.00	0.82
50	4	0	0.5	2	0.41	1.00	0.04	0.42	1.00	0.06
50	20	0	0.5	2	0.96	1.00	0.12	0.94	1.00	0.12
50	200	0	0.5	2	1.00	1.00	0.53	1.00	1.00	0.53
50	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.5	2	0.37	1.00	0.09	0.38	1.00	0.09
100	20	0	0.5	2	0.99	1.00	0.12	0.98	1.00	0.13
100	200	0	0.5	2	1.00	1.00	0.81	1.00	1.00	0.81
100	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.5	2	0.43	1.00	0.07	0.44	1.00	0.06
200	20	0	0.5	2	0.97	1.00	0.24	0.96	1.00	0.24
200	200	0	0.5	2	1.00	1.00	0.98	1.00	1.00	0.98
200	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.5	2	0.53	0.55	0.11	0.46	0.56	0.10
4	20	0.5	0.5	2	0.99	1.00	0.20	0.99	1.00	0.15
4	200	0.5	0.5	2	1.00	1.00	0.22	1.00	1.00	0.20
4	1000	0.5	0.5	2	1.00	1.00	0.67	1.00	1.00	0.67
20	4	0.5	0.5	2	0.70	1.00	0.25	0.96	1.00	0.13
20	20	0.5	0.5	2	1.00	1.00	0.26	1.00	1.00	0.12
20	200	0.5	0.5	2	1.00	1.00	0.63	1.00	1.00	0.71
20	1000	0.5	0.5	2	1.00	1.00	0.98	1.00	1.00	1.00
50	4	0.5	0.5	2	0.69	1.00	0.27	0.99	1.00	0.12
50	20	0.5	0.5	2	1.00	1.00	0.35	1.00	1.00	0.29

50	200	0.5	0.5	2	1.00	1.00	0.88	1.00	1.00	1.00
50	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.5	2	0.73	1.00	0.28	0.98	1.00	0.19
100	20	0.5	0.5	2	0.99	1.00	0.44	1.00	1.00	0.47
100	200	0.5	0.5	2	1.00	1.00	0.96	1.00	1.00	1.00
100	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	2	0.68	1.00	0.38	0.99	1.00	0.31
200	20	0.5	0.5	2	1.00	1.00	0.54	1.00	1.00	0.69
200	200	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	2	0.52	0.59	0.04	0.37	0.52	0.10
4	20	0	0.8	2	1.00	1.00	0.09	0.97	1.00	0.09
4	200	0	0.8	2	1.00	1.00	0.13	1.00	1.00	0.13
4	1000	0	0.8	2	1.00	1.00	0.40	1.00	1.00	0.40
20	4	0	0.8	2	0.61	1.00	0.09	0.60	1.00	0.09
20	20	0	0.8	2	1.00	1.00	0.09	0.99	1.00	0.09
20	200	0	0.8	2	1.00	1.00	0.44	1.00	1.00	0.43
20	1000	0	0.8	2	1.00	1.00	0.98	1.00	1.00	0.98
50	4	0	0.8	2	0.60	1.00	0.05	0.63	1.00	0.04
50	20	0	0.8	2	1.00	1.00	0.14	1.00	1.00	0.14
50	200	0	0.8	2	1.00	1.00	0.79	1.00	1.00	0.79
50	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	2	0.68	1.00	0.10	0.70	1.00	0.10
100	20	0	0.8	2	1.00	1.00	0.24	1.00	1.00	0.24
100	200	0	0.8	2	1.00	1.00	0.97	1.00	1.00	0.97
100	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	2	0.62	1.00	0.17	0.63	1.00	0.16
200	20	0	0.8	2	1.00	1.00	0.38	1.00	1.00	0.39
200	200	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	2	0.81	0.92	0.15	0.74	0.89	0.15
4	20	0.5	0.8	2	1.00	1.00	0.21	1.00	1.00	0.18
4	200	0.5	0.8	2	1.00	1.00	0.38	1.00	1.00	0.38
4	1000	0.5	0.8	2	1.00	1.00	0.78	1.00	1.00	0.81
20	4	0.5	0.8	2	0.92	1.00	0.21	0.99	1.00	0.09
20	20	0.5	0.8	2	1.00	1.00	0.30	1.00	1.00	0.25
20	200	0.5	0.8	2	1.00	1.00	0.73	1.00	1.00	0.85
20	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00

50	4	0.5	0.8	2	0.89	1.00	0.24	1.00	1.00	0.22
50	20	0.5	0.8	2	1.00	1.00	0.40	1.00	1.00	0.42
50	200	0.5	0.8	2	1.00	1.00	0.96	1.00	1.00	1.00
50	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	2	0.90	1.00	0.31	1.00	1.00	0.25
100	20	0.5	0.8	2	1.00	1.00	0.53	1.00	1.00	0.65
100	200	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	2	0.91	1.00	0.38	1.00	1.00	0.46
200	20	0.5	0.8	2	1.00	1.00	0.67	1.00	1.00	0.92
200	200	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	2	0.11	0.10	0.04	0.08	0.13	0.09
4	20	0	-0.2	2	0.26	0.30	0.03	0.17	0.26	0.03
4	200	0	-0.2	2	1.00	1.00	0.04	0.96	1.00	0.04
4	1000	0	-0.2	2	1.00	1.00	0.07	1.00	1.00	0.07
20	4	0	-0.2	2	0.15	0.40	0.05	0.16	0.23	0.06
20	20	0	-0.2	2	0.36	0.97	0.03	0.35	0.91	0.03
20	200	0	-0.2	2	1.00	1.00	0.10	0.99	1.00	0.10
20	1000	0	-0.2	2	1.00	1.00	0.28	1.00	1.00	0.28
50	4	0	-0.2	2	0.16	0.89	0.06	0.17	0.67	0.08
50	20	0	-0.2	2	0.37	1.00	0.07	0.36	1.00	0.07
50	200	0	-0.2	2	1.00	1.00	0.12	1.00	1.00	0.11
50	1000	0	-0.2	2	1.00	1.00	0.54	1.00	1.00	0.54
100	4	0	-0.2	2	0.14	0.99	0.05	0.15	0.87	0.06
100	20	0	-0.2	2	0.37	1.00	0.10	0.37	1.00	0.10
100	200	0	-0.2	2	1.00	1.00	0.23	1.00	1.00	0.23
100	1000	0	-0.2	2	1.00	1.00	0.86	1.00	1.00	0.86
200	4	0	-0.2	2	0.11	1.00	0.07	0.10	1.00	0.08
200	20	0	-0.2	2	0.45	1.00	0.07	0.44	1.00	0.07
200	200	0	-0.2	2	1.00	1.00	0.45	1.00	1.00	0.45
200	1000	0	-0.2	2	1.00	1.00	0.98	1.00	1.00	0.98
4	4	0.5	-0.2	2	0.25	0.18	0.12	0.21	0.20	0.12
4	20	0.5	-0.2	2	0.63	0.63	0.14	0.49	0.61	0.10
4	200	0.5	-0.2	2	1.00	1.00	0.21	1.00	1.00	0.13
4	1000	0.5	-0.2	2	1.00	1.00	0.26	1.00	1.00	0.21
20	4	0.5	-0.2	2	0.34	0.66	0.27	0.37	0.62	0.09
20	20	0.5	-0.2	2	0.62	1.00	0.23	0.83	1.00	0.11

20	200	0.5	-0.2	2	1.00	1.00	0.37	1.00	1.00	0.24
20	1000	0.5	-0.2	2	1.00	1.00	0.60	1.00	1.00	0.70
50	4	0.5	-0.2	2	0.32	0.95	0.27	0.45	0.93	0.11
50	20	0.5	-0.2	2	0.67	1.00	0.30	0.96	1.00	0.11
50	200	0.5	-0.2	2	1.00	1.00	0.42	1.00	1.00	0.40
50	1000	0.5	-0.2	2	1.00	1.00	0.85	1.00	1.00	0.98
100	4	0.5	-0.2	2	0.38	1.00	0.27	0.56	1.00	0.08
100	20	0.5	-0.2	2	0.67	1.00	0.35	0.99	1.00	0.13
100	200	0.5	-0.2	2	1.00	1.00	0.54	1.00	1.00	0.70
100	1000	0.5	-0.2	2	1.00	1.00	0.97	1.00	1.00	1.00
200	4	0.5	-0.2	2	0.40	1.00	0.27	0.64	1.00	0.13
200	20	0.5	-0.2	2	0.72	1.00	0.38	1.00	1.00	0.25
200	200	0.5	-0.2	2	1.00	1.00	0.77	1.00	1.00	0.96
200	1000	0.5	-0.2	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.5	2	0.28	0.34	0.05	0.21	0.36	0.11
4	20	0	-0.5	2	0.86	0.94	0.07	0.72	0.92	0.08
4	200	0	-0.5	2	1.00	1.00	0.08	1.00	1.00	0.08
4	1000	0	-0.5	2	1.00	1.00	0.26	1.00	1.00	0.26
20	4	0	-0.5	2	0.34	1.00	0.06	0.33	0.96	0.07
20	20	0	-0.5	2	0.96	1.00	0.08	0.96	1.00	0.08
20	200	0	-0.5	2	1.00	1.00	0.25	1.00	1.00	0.25
20	1000	0	-0.5	2	1.00	1.00	0.81	1.00	1.00	0.81
50	4	0	-0.5	2	0.39	1.00	0.10	0.38	1.00	0.10
50	20	0	-0.5	2	0.96	1.00	0.13	0.92	1.00	0.14
50	200	0	-0.5	2	1.00	1.00	0.54	1.00	1.00	0.54
50	1000	0	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.5	2	0.40	1.00	0.07	0.41	1.00	0.07
100	20	0	-0.5	2	0.97	1.00	0.18	0.96	1.00	0.18
100	200	0	-0.5	2	1.00	1.00	0.78	1.00	1.00	0.78
100	1000	0	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	2	0.39	1.00	0.11	0.39	1.00	0.11
200	20	0	-0.5	2	0.96	1.00	0.20	0.96	1.00	0.21
200	200	0	-0.5	2	1.00	1.00	0.97	1.00	1.00	0.97
200	1000	0	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.5	2	0.60	0.57	0.18	0.49	0.58	0.16
4	20	0.5	-0.5	2	0.98	1.00	0.15	0.97	1.00	0.13
4	200	0.5	-0.5	2	1.00	1.00	0.28	1.00	1.00	0.23
4	1000	0.5	-0.5	2	1.00	1.00	0.61	1.00	1.00	0.65

20	4	0.5	-0.5	2	0.71	1.00	0.19	0.92	1.00	0.07
20	20	0.5	-0.5	2	1.00	1.00	0.28	1.00	1.00	0.17
20	200	0.5	-0.5	2	1.00	1.00	0.57	1.00	1.00	0.69
20	1000	0.5	-0.5	2	1.00	1.00	0.98	1.00	1.00	1.00
50	4	0.5	-0.5	2	0.71	1.00	0.31	0.97	1.00	0.13
50	20	0.5	-0.5	2	1.00	1.00	0.31	1.00	1.00	0.25
50	200	0.5	-0.5	2	1.00	1.00	0.83	1.00	1.00	0.98
50	1000	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.5	2	0.72	1.00	0.31	0.98	1.00	0.19
100	20	0.5	-0.5	2	0.99	1.00	0.46	1.00	1.00	0.48
100	200	0.5	-0.5	2	1.00	1.00	0.97	1.00	1.00	1.00
100	1000	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.5	2	0.72	1.00	0.33	0.99	1.00	0.30
200	20	0.5	-0.5	2	1.00	1.00	0.60	1.00	1.00	0.70
200	200	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.8	2	0.47	0.68	0.04	0.42	0.60	0.08
4	20	0	-0.8	2	1.00	1.00	0.05	0.98	1.00	0.07
4	200	0	-0.8	2	1.00	1.00	0.12	1.00	1.00	0.12
4	1000	0	-0.8	2	1.00	1.00	0.49	1.00	1.00	0.50
20	4	0	-0.8	2	0.58	1.00	0.06	0.57	1.00	0.06
20	20	0	-0.8	2	1.00	1.00	0.10	1.00	1.00	0.09
20	200	0	-0.8	2	1.00	1.00	0.45	1.00	1.00	0.45
20	1000	0	-0.8	2	1.00	1.00	0.98	1.00	1.00	0.98
50	4	0	-0.8	2	0.65	1.00	0.04	0.65	1.00	0.05
50	20	0	-0.8	2	1.00	1.00	0.12	0.99	1.00	0.11
50	200	0	-0.8	2	1.00	1.00	0.79	1.00	1.00	0.79
50	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.8	2	0.67	1.00	0.10	0.66	1.00	0.10
100	20	0	-0.8	2	1.00	1.00	0.24	1.00	1.00	0.23
100	200	0	-0.8	2	1.00	1.00	0.96	1.00	1.00	0.97
100	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.8	2	0.67	1.00	0.15	0.69	1.00	0.16
200	20	0	-0.8	2	1.00	1.00	0.36	1.00	1.00	0.36
200	200	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	2	0.80	0.90	0.20	0.75	0.89	0.18
4	20	0.5	-0.8	2	1.00	1.00	0.20	1.00	1.00	0.15

4	200	0.5	-0.8	2	1.00	1.00	0.37	1.00	1.00	0.31
4	1000	0.5	-0.8	2	1.00	1.00	0.81	1.00	1.00	0.87
20	4	0.5	-0.8	2	0.90	1.00	0.23	0.99	1.00	0.12
20	20	0.5	-0.8	2	1.00	1.00	0.31	1.00	1.00	0.23
20	200	0.5	-0.8	2	1.00	1.00	0.69	1.00	1.00	0.88
20	1000	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	-0.8	2	0.93	1.00	0.28	1.00	1.00	0.13
50	20	0.5	-0.8	2	1.00	1.00	0.36	1.00	1.00	0.32
50	200	0.5	-0.8	2	1.00	1.00	0.94	1.00	1.00	1.00
50	1000	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.8	2	0.87	1.00	0.30	1.00	1.00	0.27
100	20	0.5	-0.8	2	1.00	1.00	0.57	1.00	1.00	0.71
100	200	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.8	2	0.87	1.00	0.43	1.00	1.00	0.46
200	20	0.5	-0.8	2	1.00	1.00	0.72	1.00	1.00	0.92
200	200	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.0	8	0.10	0.06	0.05	0.13	0.06	0.10
4	20	0	0.0	8	0.09	0.05	0.05	0.09	0.06	0.05
4	200	0	0.0	8	0.12	0.05	0.05	0.10	0.07	0.05
4	1000	0	0.0	8	0.10	0.07	0.05	0.11	0.06	0.05
20	4	0	0.0	8	0.04	0.05	0.04	0.06	0.04	0.04
20	20	0	0.0	8	0.06	0.05	0.06	0.07	0.04	0.05
20	200	0	0.0	8	0.07	0.05	0.07	0.07	0.03	0.07
20	1000	0	0.0	8	0.07	0.05	0.07	0.07	0.07	0.07
50	4	0	0.0	8	0.04	0.04	0.06	0.04	0.02	0.06
50	20	0	0.0	8	0.06	0.06	0.05	0.05	0.03	0.05
50	200	0	0.0	8	0.06	0.03	0.05	0.06	0.02	0.05
50	1000	0	0.0	8	0.06	0.04	0.03	0.06	0.03	0.03
100	4	0	0.0	8	0.04	0.07	0.08	0.05	0.04	0.08
100	20	0	0.0	8	0.06	0.07	0.07	0.06	0.03	0.07
100	200	0	0.0	8	0.05	0.05	0.03	0.05	0.05	0.03
100	1000	0	0.0	8	0.05	0.04	0.01	0.05	0.03	0.01
200	4	0	0.0	8	0.03	0.03	0.04	0.03	0.01	0.05
200	20	0	0.0	8	0.04	0.04	0.05	0.04	0.03	0.05
200	200	0	0.0	8	0.05	0.03	0.07	0.05	0.03	0.07
200	1000	0	0.0	8	0.04	0.05	0.06	0.04	0.03	0.06

4	4	0.5	0.0	8	0.12	0.07	0.16	0.13	0.10	0.14
4	20	0.5	0.0	8	0.13	0.04	0.20	0.10	0.05	0.16
4	200	0.5	0.0	8	0.15	0.06	0.16	0.09	0.06	0.10
4	1000	0.5	0.0	8	0.11	0.05	0.14	0.07	0.04	0.09
20	4	0.5	0.0	8	0.21	0.06	0.25	0.11	0.07	0.08
20	20	0.5	0.0	8	0.21	0.05	0.23	0.10	0.04	0.08
20	200	0.5	0.0	8	0.21	0.05	0.24	0.09	0.05	0.09
20	1000	0.5	0.0	8	0.21	0.04	0.25	0.09	0.04	0.09
50	4	0.5	0.0	8	0.25	0.07	0.28	0.09	0.06	0.08
50	20	0.5	0.0	8	0.23	0.06	0.24	0.08	0.04	0.08
50	200	0.5	0.0	8	0.20	0.03	0.23	0.06	0.04	0.07
50	1000	0.5	0.0	8	0.20	0.06	0.22	0.08	0.06	0.03
100	4	0.5	0.0	8	0.23	0.07	0.26	0.07	0.06	0.06
100	20	0.5	0.0	8	0.26	0.06	0.23	0.08	0.05	0.04
100	200	0.5	0.0	8	0.24	0.03	0.24	0.05	0.04	0.06
100	1000	0.5	0.0	8	0.23	0.05	0.26	0.08	0.06	0.06
200	4	0.5	0.0	8	0.26	0.04	0.23	0.05	0.03	0.06
200	20	0.5	0.0	8	0.26	0.05	0.26	0.05	0.03	0.04
200	200	0.5	0.0	8	0.24	0.05	0.24	0.05	0.07	0.04
200	1000	0.5	0.0	8	0.26	0.06	0.25	0.09	0.04	0.07
4	4	0	0.2	8	0.10	0.09	0.04	0.10	0.09	0.08
4	20	0	0.2	8	0.24	0.21	0.04	0.17	0.18	0.04
4	200	0	0.2	8	0.88	0.96	0.07	0.77	0.93	0.07
4	1000	0	0.2	8	1.00	1.00	0.08	1.00	1.00	0.07
20	4	0	0.2	8	0.06	0.28	0.05	0.07	0.15	0.07
20	20	0	0.2	8	0.22	0.85	0.08	0.20	0.65	0.07
20	200	0	0.2	8	0.93	1.00	0.10	0.90	1.00	0.09
20	1000	0	0.2	8	1.00	1.00	0.12	1.00	1.00	0.12
50	4	0	0.2	8	0.09	0.59	0.10	0.09	0.41	0.10
50	20	0	0.2	8	0.23	1.00	0.05	0.22	0.98	0.05
50	200	0	0.2	8	0.96	1.00	0.10	0.96	1.00	0.10
50	1000	0	0.2	8	1.00	1.00	0.33	1.00	1.00	0.33
100	4	0	0.2	8	0.06	0.88	0.04	0.06	0.69	0.04
100	20	0	0.2	8	0.25	1.00	0.08	0.25	1.00	0.08
100	200	0	0.2	8	0.99	1.00	0.16	0.98	1.00	0.16
100	1000	0	0.2	8	1.00	1.00	0.58	1.00	1.00	0.58
200	4	0	0.2	8	0.08	1.00	0.06	0.07	0.95	0.06
200	20	0	0.2	8	0.21	1.00	0.05	0.21	1.00	0.05

200	200	0	0.2	8	0.98	1.00	0.30	0.98	1.00	0.30
200	1000	0	0.2	8	1.00	1.00	0.87	1.00	1.00	0.86
4	4	0.5	0.2	8	0.18	0.11	0.17	0.13	0.13	0.13
4	20	0.5	0.2	8	0.38	0.31	0.19	0.33	0.35	0.14
4	200	0.5	0.2	8	0.99	1.00	0.19	0.97	1.00	0.12
4	1000	0.5	0.2	8	1.00	1.00	0.23	1.00	1.00	0.20
20	4	0.5	0.2	8	0.27	0.40	0.23	0.24	0.34	0.10
20	20	0.5	0.2	8	0.53	0.97	0.25	0.67	0.96	0.09
20	200	0.5	0.2	8	1.00	1.00	0.27	1.00	1.00	0.19
20	1000	0.5	0.2	8	1.00	1.00	0.45	1.00	1.00	0.48
50	4	0.5	0.2	8	0.26	0.79	0.29	0.32	0.76	0.08
50	20	0.5	0.2	8	0.54	1.00	0.27	0.83	1.00	0.08
50	200	0.5	0.2	8	1.00	1.00	0.34	1.00	1.00	0.24
50	1000	0.5	0.2	8	1.00	1.00	0.61	1.00	1.00	0.81
100	4	0.5	0.2	8	0.31	0.97	0.24	0.41	0.96	0.04
100	20	0.5	0.2	8	0.54	1.00	0.28	0.91	1.00	0.09
100	200	0.5	0.2	8	1.00	1.00	0.41	1.00	1.00	0.43
100	1000	0.5	0.2	8	1.00	1.00	0.87	1.00	1.00	1.00
200	4	0.5	0.2	8	0.33	1.00	0.28	0.37	1.00	0.10
200	20	0.5	0.2	8	0.57	1.00	0.26	0.93	1.00	0.12
200	200	0.5	0.2	8	1.00	1.00	0.61	1.00	1.00	0.77
200	1000	0.5	0.2	8	1.00	1.00	0.96	1.00	1.00	1.00
4	4	0	0.5	8	0.27	0.22	0.04	0.19	0.22	0.09
4	20	0	0.5	8	0.69	0.84	0.05	0.50	0.73	0.06
4	200	0	0.5	8	1.00	1.00	0.08	1.00	1.00	0.08
4	1000	0	0.5	8	1.00	1.00	0.20	1.00	1.00	0.20
20	4	0	0.5	8	0.27	0.91	0.06	0.26	0.70	0.08
20	20	0	0.5	8	0.78	1.00	0.05	0.72	1.00	0.05
20	200	0	0.5	8	1.00	1.00	0.18	1.00	1.00	0.17
20	1000	0	0.5	8	1.00	1.00	0.61	1.00	1.00	0.61
50	4	0	0.5	8	0.29	1.00	0.05	0.28	0.99	0.06
50	20	0	0.5	8	0.81	1.00	0.08	0.80	1.00	0.08
50	200	0	0.5	8	1.00	1.00	0.36	1.00	1.00	0.37
50	1000	0	0.5	8	1.00	1.00	0.94	1.00	1.00	0.94
100	4	0	0.5	8	0.24	1.00	0.05	0.24	1.00	0.05
100	20	0	0.5	8	0.81	1.00	0.13	0.79	1.00	0.14
100	200	0	0.5	8	1.00	1.00	0.68	1.00	1.00	0.68
100	1000	0	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00

200	4	0	0.5	8	0.25	1.00	0.10	0.25	1.00	0.10
200	20	0	0.5	8	0.80	1.00	0.18	0.79	1.00	0.18
200	200	0	0.5	8	1.00	1.00	0.87	1.00	1.00	0.87
200	1000	0	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.5	8	0.40	0.31	0.14	0.32	0.36	0.10
4	20	0.5	0.5	8	0.90	0.94	0.21	0.85	0.93	0.12
4	200	0.5	0.5	8	1.00	1.00	0.28	1.00	1.00	0.21
4	1000	0.5	0.5	8	1.00	1.00	0.41	1.00	1.00	0.42
20	4	0.5	0.5	8	0.49	0.98	0.24	0.75	0.97	0.10
20	20	0.5	0.5	8	0.95	1.00	0.26	1.00	1.00	0.15
20	200	0.5	0.5	8	1.00	1.00	0.48	1.00	1.00	0.52
20	1000	0.5	0.5	8	1.00	1.00	0.88	1.00	1.00	0.97
50	4	0.5	0.5	8	0.60	1.00	0.32	0.91	1.00	0.11
50	20	0.5	0.5	8	0.96	1.00	0.31	1.00	1.00	0.16
50	200	0.5	0.5	8	1.00	1.00	0.68	1.00	1.00	0.86
50	1000	0.5	0.5	8	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.5	0.5	8	0.55	1.00	0.27	0.93	1.00	0.11
100	20	0.5	0.5	8	0.98	1.00	0.35	1.00	1.00	0.31
100	200	0.5	0.5	8	1.00	1.00	0.85	1.00	1.00	0.99
100	1000	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	8	0.60	1.00	0.29	0.93	1.00	0.22
200	20	0.5	0.5	8	0.92	1.00	0.48	1.00	1.00	0.50
200	200	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	8	0.34	0.36	0.02	0.27	0.35	0.06
4	20	0	0.8	8	0.92	0.98	0.07	0.79	0.96	0.05
4	200	0	0.8	8	1.00	1.00	0.05	1.00	1.00	0.05
4	1000	0	0.8	8	1.00	1.00	0.30	1.00	1.00	0.30
20	4	0	0.8	8	0.48	1.00	0.07	0.44	0.99	0.07
20	20	0	0.8	8	0.96	1.00	0.05	0.95	1.00	0.05
20	200	0	0.8	8	1.00	1.00	0.31	1.00	1.00	0.31
20	1000	0	0.8	8	1.00	1.00	0.89	1.00	1.00	0.89
50	4	0	0.8	8	0.45	1.00	0.06	0.44	1.00	0.08
50	20	0	0.8	8	0.97	1.00	0.12	0.95	1.00	0.12
50	200	0	0.8	8	1.00	1.00	0.64	1.00	1.00	0.64
50	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	8	0.49	1.00	0.04	0.48	1.00	0.05
100	20	0	0.8	8	0.98	1.00	0.13	0.97	1.00	0.13

100	200	0	0.8	8	1.00	1.00	0.85	1.00	1.00	0.85
100	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	8	0.43	1.00	0.10	0.45	1.00	0.11
200	20	0	0.8	8	0.99	1.00	0.31	0.99	1.00	0.31
200	200	0	0.8	8	1.00	1.00	0.99	1.00	1.00	0.99
200	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	8	0.64	0.65	0.15	0.50	0.61	0.14
4	20	0.5	0.8	8	0.99	1.00	0.20	0.98	1.00	0.14
4	200	0.5	0.8	8	1.00	1.00	0.29	1.00	1.00	0.25
4	1000	0.5	0.8	8	1.00	1.00	0.64	1.00	1.00	0.67
20	4	0.5	0.8	8	0.74	1.00	0.20	0.94	1.00	0.11
20	20	0.5	0.8	8	1.00	1.00	0.28	1.00	1.00	0.17
20	200	0.5	0.8	8	1.00	1.00	0.57	1.00	1.00	0.70
20	1000	0.5	0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.5	0.8	8	0.77	1.00	0.32	1.00	1.00	0.20
50	20	0.5	0.8	8	1.00	1.00	0.36	1.00	1.00	0.25
50	200	0.5	0.8	8	1.00	1.00	0.86	1.00	1.00	0.99
50	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	8	0.80	1.00	0.31	0.99	1.00	0.23
100	20	0.5	0.8	8	1.00	1.00	0.40	1.00	1.00	0.49
100	200	0.5	0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	8	0.81	1.00	0.35	1.00	1.00	0.34
200	20	0.5	0.8	8	1.00	1.00	0.60	1.00	1.00	0.76
200	200	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	8	0.11	0.06	0.07	0.12	0.10	0.14
4	20	0	-0.2	8	0.24	0.25	0.06	0.19	0.21	0.07
4	200	0	-0.2	8	0.91	0.98	0.06	0.73	0.92	0.06
4	1000	0	-0.2	8	1.00	1.00	0.08	1.00	1.00	0.08
20	4	0	-0.2	8	0.04	0.24	0.06	0.08	0.14	0.08
20	20	0	-0.2	8	0.25	0.91	0.09	0.22	0.76	0.09
20	200	0	-0.2	8	0.96	1.00	0.08	0.94	1.00	0.08
20	1000	0	-0.2	8	1.00	1.00	0.16	1.00	1.00	0.16
50	4	0	-0.2	8	0.08	0.57	0.06	0.07	0.39	0.07
50	20	0	-0.2	8	0.28	1.00	0.05	0.26	0.98	0.05
50	200	0	-0.2	8	0.96	1.00	0.09	0.96	1.00	0.09
50	1000	0	-0.2	8	1.00	1.00	0.36	1.00	1.00	0.36

100	4	0	-0.2	8	0.08	0.89	0.07	0.09	0.72	0.06
100	20	0	-0.2	8	0.23	1.00	0.05	0.22	1.00	0.05
100	200	0	-0.2	8	0.98	1.00	0.20	0.98	1.00	0.20
100	1000	0	-0.2	8	1.00	1.00	0.57	1.00	1.00	0.57
200	4	0	-0.2	8	0.08	0.99	0.07	0.08	0.96	0.06
200	20	0	-0.2	8	0.24	1.00	0.07	0.23	1.00	0.07
200	200	0	-0.2	8	0.98	1.00	0.31	0.97	1.00	0.31
200	1000	0	-0.2	8	1.00	1.00	0.84	1.00	1.00	0.84
4	4	0.5	-0.2	8	0.19	0.10	0.15	0.16	0.13	0.13
4	20	0.5	-0.2	8	0.41	0.35	0.21	0.32	0.33	0.13
4	200	0.5	-0.2	8	0.98	1.00	0.20	0.98	0.99	0.12
4	1000	0.5	-0.2	8	1.00	1.00	0.27	1.00	1.00	0.23
20	4	0.5	-0.2	8	0.28	0.34	0.24	0.22	0.33	0.09
20	20	0.5	-0.2	8	0.49	0.96	0.26	0.66	0.95	0.09
20	200	0.5	-0.2	8	1.00	1.00	0.29	1.00	1.00	0.14
20	1000	0.5	-0.2	8	1.00	1.00	0.43	1.00	1.00	0.41
50	4	0.5	-0.2	8	0.33	0.77	0.30	0.29	0.73	0.08
50	20	0.5	-0.2	8	0.51	1.00	0.23	0.79	1.00	0.08
50	200	0.5	-0.2	8	1.00	1.00	0.40	1.00	1.00	0.37
50	1000	0.5	-0.2	8	1.00	1.00	0.63	1.00	1.00	0.82
100	4	0.5	-0.2	8	0.27	0.99	0.22	0.31	0.96	0.04
100	20	0.5	-0.2	8	0.53	1.00	0.28	0.86	1.00	0.11
100	200	0.5	-0.2	8	1.00	1.00	0.45	1.00	1.00	0.48
100	1000	0.5	-0.2	8	1.00	1.00	0.84	1.00	1.00	1.00
200	4	0.5	-0.2	8	0.34	1.00	0.25	0.35	1.00	0.09
200	20	0.5	-0.2	8	0.50	1.00	0.24	0.90	1.00	0.09
200	200	0.5	-0.2	8	0.99	1.00	0.51	1.00	1.00	0.73
200	1000	0.5	-0.2	8	1.00	1.00	0.98	1.00	1.00	1.00
4	4	0	-0.5	8	0.17	0.19	0.03	0.16	0.19	0.09
4	20	0	-0.5	8	0.65	0.82	0.03	0.47	0.70	0.04
4	200	0	-0.5	8	1.00	1.00	0.08	1.00	1.00	0.08
4	1000	0	-0.5	8	1.00	1.00	0.19	1.00	1.00	0.19
20	4	0	-0.5	8	0.25	0.90	0.07	0.23	0.74	0.08
20	20	0	-0.5	8	0.78	1.00	0.07	0.72	1.00	0.07
20	200	0	-0.5	8	1.00	1.00	0.16	1.00	1.00	0.16
20	1000	0	-0.5	8	1.00	1.00	0.58	1.00	1.00	0.58
50	4	0	-0.5	8	0.25	1.00	0.06	0.23	0.99	0.07
50	20	0	-0.5	8	0.80	1.00	0.11	0.80	1.00	0.10

50	200	0	-0.5	8	1.00	1.00	0.32	1.00	1.00	0.32
50	1000	0	-0.5	8	1.00	1.00	0.93	1.00	1.00	0.93
100	4	0	-0.5	8	0.31	1.00	0.08	0.31	1.00	0.08
100	20	0	-0.5	8	0.78	1.00	0.09	0.76	1.00	0.09
100	200	0	-0.5	8	1.00	1.00	0.61	1.00	1.00	0.61
100	1000	0	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	8	0.30	1.00	0.08	0.29	1.00	0.08
200	20	0	-0.5	8	0.80	1.00	0.21	0.79	1.00	0.20
200	200	0	-0.5	8	1.00	1.00	0.83	1.00	1.00	0.83
200	1000	0	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.5	8	0.33	0.26	0.12	0.32	0.36	0.08
4	20	0.5	-0.5	8	0.87	0.95	0.16	0.80	0.92	0.11
4	200	0.5	-0.5	8	1.00	1.00	0.21	1.00	1.00	0.19
4	1000	0.5	-0.5	8	1.00	1.00	0.45	1.00	1.00	0.43
20	4	0.5	-0.5	8	0.57	1.00	0.23	0.81	0.99	0.10
20	20	0.5	-0.5	8	0.95	1.00	0.27	1.00	1.00	0.18
20	200	0.5	-0.5	8	1.00	1.00	0.44	1.00	1.00	0.45
20	1000	0.5	-0.5	8	1.00	1.00	0.85	1.00	1.00	0.99
50	4	0.5	-0.5	8	0.56	1.00	0.25	0.87	1.00	0.09
50	20	0.5	-0.5	8	0.97	1.00	0.36	1.00	1.00	0.26
50	200	0.5	-0.5	8	1.00	1.00	0.62	1.00	1.00	0.87
50	1000	0.5	-0.5	8	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.5	-0.5	8	0.56	1.00	0.27	0.91	1.00	0.15
100	20	0.5	-0.5	8	0.97	1.00	0.30	1.00	1.00	0.27
100	200	0.5	-0.5	8	1.00	1.00	0.85	1.00	1.00	0.98
100	1000	0.5	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.5	8	0.58	1.00	0.36	0.95	1.00	0.23
200	20	0.5	-0.5	8	0.95	1.00	0.44	1.00	1.00	0.49
200	200	0.5	-0.5	8	1.00	1.00	0.97	1.00	1.00	1.00
200	1000	0.5	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.8	8	0.38	0.42	0.07	0.28	0.36	0.11
4	20	0	-0.8	8	0.91	1.00	0.03	0.83	0.99	0.05
4	200	0	-0.8	8	1.00	1.00	0.13	1.00	1.00	0.12
4	1000	0	-0.8	8	1.00	1.00	0.29	1.00	1.00	0.29
20	4	0	-0.8	8	0.40	1.00	0.05	0.41	1.00	0.05
20	20	0	-0.8	8	0.97	1.00	0.09	0.95	1.00	0.09
20	200	0	-0.8	8	1.00	1.00	0.28	1.00	1.00	0.28
20	1000	0	-0.8	8	1.00	1.00	0.85	1.00	1.00	0.86

50	4	0	-0.8	8	0.45	1.00	0.06	0.44	1.00	0.06
50	20	0	-0.8	8	0.96	1.00	0.10	0.96	1.00	0.12
50	200	0	-0.8	8	1.00	1.00	0.64	1.00	1.00	0.64
50	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.8	8	0.44	1.00	0.04	0.44	1.00	0.05
100	20	0	-0.8	8	0.98	1.00	0.15	0.99	1.00	0.16
100	200	0	-0.8	8	1.00	1.00	0.89	1.00	1.00	0.89
100	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.8	8	0.38	1.00	0.11	0.38	1.00	0.11
200	20	0	-0.8	8	0.99	1.00	0.21	0.98	1.00	0.21
200	200	0	-0.8	8	1.00	1.00	0.98	1.00	1.00	0.98
200	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	8	0.61	0.68	0.13	0.50	0.70	0.11
4	20	0.5	-0.8	8	1.00	1.00	0.17	0.99	1.00	0.12
4	200	0.5	-0.8	8	1.00	1.00	0.23	1.00	1.00	0.20
4	1000	0.5	-0.8	8	1.00	1.00	0.57	1.00	1.00	0.61
20	4	0.5	-0.8	8	0.68	1.00	0.24	0.94	1.00	0.10
20	20	0.5	-0.8	8	1.00	1.00	0.31	1.00	1.00	0.19
20	200	0.5	-0.8	8	1.00	1.00	0.54	1.00	1.00	0.66
20	1000	0.5	-0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.5	-0.8	8	0.81	1.00	0.32	1.00	1.00	0.20
50	20	0.5	-0.8	8	1.00	1.00	0.43	1.00	1.00	0.38
50	200	0.5	-0.8	8	1.00	1.00	0.83	1.00	1.00	0.98
50	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.8	8	0.77	1.00	0.31	1.00	1.00	0.19
100	20	0.5	-0.8	8	1.00	1.00	0.48	1.00	1.00	0.53
100	200	0.5	-0.8	8	1.00	1.00	0.97	1.00	1.00	1.00
100	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.8	8	0.73	1.00	0.31	1.00	1.00	0.32
200	20	0.5	-0.8	8	1.00	1.00	0.61	1.00	1.00	0.79
200	200	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00

Table A.10
Rejection frequencies of panel estimator with drift: imposing (1.3.4)

T	n	ρ	δ	σ_x	FE	FD	LS
4	4	0.0	0.0	1	0.06	0.02	0.05
4	20	0.0	0.0	1	0.06	0.03	0.03
4	200	0.0	0.0	1	0.04	0.02	0.01
4	1000	0.0	0.0	1	0.04	0.02	0.03
20	4	0.0	0.0	1	0.05	0.00	0.02
20	20	0.0	0.0	1	0.06	0.01	0.03
20	200	0.0	0.0	1	0.04	0.01	0.04
20	1000	0.0	0.0	1	0.04	0.02	0.07
50	4	0.0	0.0	1	0.06	0.00	0.04
50	20	0.0	0.0	1	0.05	0.00	0.03
50	200	0.0	0.0	1	0.04	0.01	0.03
50	1000	0.0	0.0	1	0.03	0.01	0.06
100	4	0.0	0.0	1	0.05	0.01	0.03
100	20	0.0	0.0	1	0.05	0.01	0.03
100	200	0.0	0.0	1	0.02	0.00	0.03
100	1000	0.0	0.0	1	0.05	0.02	0.06
200	4	0.0	0.0	1	0.11	0.01	0.05
200	20	0.0	0.0	1	0.06	0.01	0.03
200	200	0.0	0.0	1	0.08	0.01	0.04
200	1000	0.0	0.0	1	0.06	0.00	0.08
4	4	0.0	0.2	1	0.06	0.06	0.07
4	20	0.0	0.2	1	0.16	0.26	0.02
4	200	0.0	0.2	1	0.87	1.00	0.05
4	1000	0.0	0.2	1	1.00	1.00	0.11
20	4	0.0	0.2	1	0.06	0.29	0.07
20	20	0.0	0.2	1	0.07	1.00	0.04
20	200	0.0	0.2	1	0.51	1.00	0.09
20	1000	0.0	0.2	1	1.00	1.00	0.36
50	4	0.0	0.2	1	0.03	0.87	0.03
50	20	0.0	0.2	1	0.09	1.00	0.04
50	200	0.0	0.2	1	0.27	1.00	0.23
50	1000	0.0	0.2	1	0.89	1.00	0.74
100	4	0.0	0.2	1	0.06	1.00	0.05
100	20	0.0	0.2	1	0.05	1.00	0.07
100	200	0.0	0.2	1	0.14	1.00	0.25
100	1000	0.0	0.2	1	0.58	1.00	0.84
200	4	0.0	0.2	1	0.06	1.00	0.04

200	20	0.0	0.2	1	0.06	1.00	0.10
200	200	0.0	0.2	1	0.09	1.00	0.22
200	1000	0.0	0.2	1	0.27	1.00	0.77
4	4	0.0	0.5	1	0.17	0.25	0.06
4	20	0.0	0.5	1	0.55	0.97	0.05
4	200	0.0	0.5	1	1.00	1.00	0.11
4	1000	0.0	0.5	1	1.00	1.00	0.40
20	4	0.0	0.5	1	0.09	1.00	0.05
20	20	0.0	0.5	1	0.29	1.00	0.08
20	200	0.0	0.5	1	1.00	1.00	0.32
20	1000	0.0	0.5	1	1.00	1.00	0.98
50	4	0.0	0.5	1	0.07	1.00	0.05
50	20	0.0	0.5	1	0.15	1.00	0.11
50	200	0.0	0.5	1	0.88	1.00	0.67
50	1000	0.0	0.5	1	1.00	1.00	1.00
100	4	0.0	0.5	1	0.08	1.00	0.06
100	20	0.0	0.5	1	0.11	1.00	0.11
100	200	0.0	0.5	1	0.57	1.00	0.78
100	1000	0.0	0.5	1	0.99	1.00	1.00
200	4	0.0	0.5	1	0.04	1.00	0.05
200	20	0.0	0.5	1	0.06	1.00	0.09
200	200	0.0	0.5	1	0.38	1.00	0.78
200	1000	0.0	0.5	1	0.94	1.00	1.00
4	4	0.0	0.8	1	0.22	0.50	0.05
4	20	0.0	0.8	1	0.81	1.00	0.03
4	200	0.0	0.8	1	1.00	1.00	0.16
4	1000	0.0	0.8	1	1.00	1.00	0.51
20	4	0.0	0.8	1	0.16	1.00	0.05
20	20	0.0	0.8	1	0.51	1.00	0.11
20	200	0.0	0.8	1	1.00	1.00	0.52
20	1000	0.0	0.8	1	1.00	1.00	1.00
50	4	0.0	0.8	1	0.10	1.00	0.06
50	20	0.0	0.8	1	0.24	1.00	0.15
50	200	0.0	0.8	1	0.99	1.00	0.82
50	1000	0.0	0.8	1	1.00	1.00	1.00
100	4	0.0	0.8	1	0.05	1.00	0.05
100	20	0.0	0.8	1	0.15	1.00	0.19
100	200	0.0	0.8	1	0.83	1.00	0.92

100	1000	0.0	0.8	1	1.00	1.00	1.00
200	4	0.0	0.8	1	0.04	1.00	0.05
200	20	0.0	0.8	1	0.10	1.00	0.21
200	200	0.0	0.8	1	0.57	1.00	0.92
200	1000	0.0	0.8	1	1.00	1.00	1.00
4	4	0.0	-0.2	1	0.05	0.06	0.06
4	20	0.0	-0.2	1	0.20	0.35	0.05
4	200	0.0	-0.2	1	0.87	1.00	0.01
4	1000	0.0	-0.2	1	1.00	1.00	0.01
20	4	0.0	-0.2	1	0.05	0.38	0.03
20	20	0.0	-0.2	1	0.10	0.99	0.02
20	200	0.0	-0.2	1	0.50	1.00	0.01
20	1000	0.0	-0.2	1	0.99	1.00	0.28
50	4	0.0	-0.2	1	0.06	0.87	0.03
50	20	0.0	-0.2	1	0.08	1.00	0.02
50	200	0.0	-0.2	1	0.20	1.00	0.01
50	1000	0.0	-0.2	1	0.84	1.00	0.67
100	4	0.0	-0.2	1	0.05	1.00	0.01
100	20	0.0	-0.2	1	0.04	1.00	0.02
100	200	0.0	-0.2	1	0.18	1.00	0.25
100	1000	0.0	-0.2	1	0.51	1.00	0.83
200	4	0.0	-0.2	1	0.07	1.00	0.02
200	20	0.0	-0.2	1	0.06	1.00	0.03
200	200	0.0	-0.2	1	0.11	1.00	0.24
200	1000	0.0	-0.2	1	0.33	1.00	0.76
4	4	0.0	-0.5	1	0.14	0.26	0.08
4	20	0.0	-0.5	1	0.60	0.96	0.02
4	200	0.0	-0.5	1	1.00	1.00	0.03
4	1000	0.0	-0.5	1	1.00	1.00	0.02
20	4	0.0	-0.5	1	0.08	1.00	0.07
20	20	0.0	-0.5	1	0.32	1.00	0.01
20	200	0.0	-0.5	1	1.00	1.00	0.01
20	1000	0.0	-0.5	1	1.00	1.00	0.16
50	4	0.0	-0.5	1	0.07	1.00	0.01
50	20	0.0	-0.5	1	0.21	1.00	0.02
50	200	0.0	-0.5	1	0.79	1.00	0.00
50	1000	0.0	-0.5	1	1.00	1.00	0.65
100	4	0.0	-0.5	1	0.05	1.00	0.04

100	20	0.0	-0.5	1	0.08	1.00	0.00
100	200	0.0	-0.5	1	0.52	1.00	0.57
100	1000	0.0	-0.5	1	1.00	1.00	1.00
200	4	0.0	-0.5	1	0.07	1.00	0.02
200	20	0.0	-0.5	1	0.08	1.00	0.01
200	200	0.0	-0.5	1	0.42	1.00	0.73
200	1000	0.0	-0.5	1	0.91	1.00	1.00
4	4	0.0	-0.8	1	0.19	0.50	0.03
4	20	0.0	-0.8	1	0.86	1.00	0.01
4	200	0.0	-0.8	1	1.00	1.00	0.04
4	1000	0.0	-0.8	1	1.00	1.00	0.01
20	4	0.0	-0.8	1	0.12	1.00	0.04
20	20	0.0	-0.8	1	0.47	1.00	0.04
20	200	0.0	-0.8	1	1.00	1.00	0.02
20	1000	0.0	-0.8	1	1.00	1.00	0.04
50	4	0.0	-0.8	1	0.12	1.00	0.05
50	20	0.0	-0.8	1	0.30	1.00	0.02
50	200	0.0	-0.8	1	0.98	1.00	0.01
50	1000	0.0	-0.8	1	1.00	1.00	0.13
100	4	0.0	-0.8	1	0.09	1.00	0.02
100	20	0.0	-0.8	1	0.17	1.00	0.01
100	200	0.0	-0.8	1	0.88	1.00	0.37
100	1000	0.0	-0.8	1	1.00	1.00	0.98
200	4	0.0	-0.8	1	0.03	1.00	0.00
200	20	0.0	-0.8	1	0.11	1.00	0.00
200	200	0.0	-0.8	1	0.56	1.00	0.93
200	1000	0.0	-0.8	1	1.00	1.00	1.00

Table A.11
Rejection frequencies of panel estimator with drift: imposing (1.3.5)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	0.06	0.01	0.07	0.08	0.06	0.09
4	20	0.2	0.0	1	0.09	0.03	0.06	0.10	0.05	0.04
4	200	0.2	0.0	1	0.06	0.02	0.05	0.06	0.03	0.02
4	1000	0.2	0.0	1	0.07	0.03	0.07	0.08	0.04	0.05

20	4	0.2	0.0	1	0.11	0.00	0.06	0.09	0.00	0.01
20	20	0.2	0.0	1	0.10	0.01	0.10	0.07	0.00	0.05
20	200	0.2	0.0	1	0.08	0.02	0.06	0.04	0.01	0.04
20	1000	0.2	0.0	1	0.12	0.03	0.10	0.10	0.01	0.04
50	4	0.2	0.0	1	0.11	0.02	0.08	0.06	0.00	0.06
50	20	0.2	0.0	1	0.09	0.00	0.07	0.06	0.00	0.04
50	200	0.2	0.0	1	0.06	0.02	0.06	0.04	0.00	0.03
50	1000	0.2	0.0	1	0.08	0.00	0.14	0.05	0.00	0.07
100	4	0.2	0.0	1	0.09	0.01	0.07	0.04	0.00	0.04
100	20	0.2	0.0	1	0.16	0.01	0.07	0.07	0.00	0.05
100	200	0.2	0.0	1	0.10	0.01	0.08	0.06	0.00	0.05
100	1000	0.2	0.0	1	0.14	0.01	0.14	0.08	0.00	0.07
200	4	0.2	0.0	1	0.10	0.01	0.06	0.05	0.00	0.03
200	20	0.2	0.0	1	0.13	0.00	0.06	0.06	0.00	0.03
200	200	0.2	0.0	1	0.13	0.00	0.13	0.06	0.00	0.07
200	1000	0.2	0.0	1	0.14	0.01	0.13	0.07	0.00	0.07
4	4	0.8	0.0	1	0.19	0.03	0.33	0.19	0.12	0.33
4	20	0.8	0.0	1	0.16	0.04	0.29	0.17	0.06	0.26
4	200	0.8	0.0	1	0.17	0.05	0.23	0.17	0.07	0.22
4	1000	0.8	0.0	1	0.12	0.04	0.16	0.13	0.05	0.18
20	4	0.8	0.0	1	0.40	0.02	0.48	0.32	0.02	0.32
20	20	0.8	0.0	1	0.43	0.02	0.45	0.33	0.02	0.26
20	200	0.8	0.0	1	0.44	0.02	0.37	0.35	0.01	0.20
20	1000	0.8	0.0	1	0.47	0.02	0.27	0.38	0.02	0.17
50	4	0.8	0.0	1	0.49	0.02	0.41	0.30	0.01	0.23
50	20	0.8	0.0	1	0.52	0.02	0.43	0.36	0.02	0.26
50	200	0.8	0.0	1	0.46	0.02	0.36	0.31	0.01	0.22
50	1000	0.8	0.0	1	0.50	0.00	0.32	0.34	0.00	0.15
100	4	0.8	0.0	1	0.49	0.02	0.44	0.31	0.01	0.27
100	20	0.8	0.0	1	0.49	0.01	0.36	0.34	0.01	0.23
100	200	0.8	0.0	1	0.49	0.01	0.24	0.30	0.01	0.18
100	1000	0.8	0.0	1	0.52	0.01	0.45	0.30	0.01	0.15
200	4	0.8	0.0	1	0.51	0.01	0.45	0.30	0.01	0.25
200	20	0.8	0.0	1	0.47	0.00	0.29	0.26	0.00	0.17
200	200	0.8	0.0	1	0.50	0.01	0.45	0.34	0.00	0.14
200	1000	0.8	0.0	1	0.57	0.00	0.50	0.33	0.00	0.28
4	4	0.0	0.0	1	0.06	0.02	0.05	0.07	0.05	0.13
4	20	0.0	0.0	1	0.05	0.02	0.05	0.07	0.03	0.06

4	200	0.0	0.0	1	0.04	0.01	0.03	0.06	0.02	0.03
4	1000	0.0	0.0	1	0.04	0.01	0.03	0.07	0.03	0.03
20	4	0.0	0.0	1	0.06	0.01	0.04	0.06	0.00	0.03
20	20	0.0	0.0	1	0.06	0.01	0.04	0.06	0.00	0.04
20	200	0.0	0.0	1	0.05	0.01	0.02	0.05	0.00	0.02
20	1000	0.0	0.0	1	0.06	0.00	0.06	0.07	0.00	0.06
50	4	0.0	0.0	1	0.04	0.00	0.04	0.04	0.00	0.04
50	20	0.0	0.0	1	0.03	0.02	0.04	0.04	0.00	0.03
50	200	0.0	0.0	1	0.05	0.00	0.03	0.05	0.01	0.03
50	1000	0.0	0.0	1	0.05	0.00	0.06	0.05	0.00	0.06
100	4	0.0	0.0	1	0.05	0.01	0.06	0.06	0.00	0.05
100	20	0.0	0.0	1	0.04	0.01	0.00	0.04	0.00	0.00
100	200	0.0	0.0	1	0.10	0.02	0.05	0.10	0.00	0.06
100	1000	0.0	0.0	1	0.08	0.01	0.07	0.08	0.00	0.07
200	4	0.0	0.0	1	0.04	0.01	0.02	0.04	0.01	0.03
200	20	0.0	0.0	1	0.07	0.00	0.04	0.06	0.00	0.04
200	200	0.0	0.0	1	0.04	0.01	0.03	0.04	0.00	0.03
200	1000	0.0	0.0	1	0.06	0.00	0.07	0.06	0.00	0.07
4	4	0.5	0.0	1	0.09	0.01	0.16	0.12	0.08	0.18
4	20	0.5	0.0	1	0.11	0.03	0.18	0.12	0.06	0.11
4	200	0.5	0.0	1	0.09	0.03	0.14	0.09	0.04	0.09
4	1000	0.5	0.0	1	0.12	0.03	0.10	0.12	0.05	0.05
20	4	0.5	0.0	1	0.24	0.01	0.19	0.18	0.01	0.09
20	20	0.5	0.0	1	0.22	0.01	0.24	0.15	0.00	0.08
20	200	0.5	0.0	1	0.25	0.01	0.15	0.13	0.01	0.05
20	1000	0.5	0.0	1	0.18	0.01	0.13	0.09	0.01	0.05
50	4	0.5	0.0	1	0.24	0.01	0.23	0.10	0.00	0.06
50	20	0.5	0.0	1	0.30	0.01	0.18	0.12	0.01	0.03
50	200	0.5	0.0	1	0.26	0.01	0.12	0.12	0.01	0.03
50	1000	0.5	0.0	1	0.27	0.02	0.33	0.10	0.01	0.07
100	4	0.5	0.0	1	0.25	0.01	0.22	0.08	0.01	0.07
100	20	0.5	0.0	1	0.29	0.00	0.17	0.08	0.00	0.04
100	200	0.5	0.0	1	0.24	0.01	0.21	0.09	0.00	0.04
100	1000	0.5	0.0	1	0.23	0.00	0.24	0.10	0.00	0.05
200	4	0.5	0.0	1	0.23	0.00	0.15	0.06	0.00	0.03
200	20	0.5	0.0	1	0.26	0.02	0.13	0.06	0.00	0.03
200	200	0.5	0.0	1	0.23	0.02	0.27	0.06	0.01	0.06
200	1000	0.5	0.0	1	0.28	0.01	0.23	0.07	0.00	0.05

Table A.12
Rejection frequencies of panel estimator with drift: imposing (1.3.6)

T	n	ρ	δ	σ_x	FE	FD	LS	FE|CO	FD|CO	LS|CO
4	4	0.2	0.0	1	0.12	0.02	0.07	0.10	0.09	0.09
4	20	0.2	0.0	1	0.08	0.03	0.12	0.05	0.04	0.11
4	200	0.2	0.0	1	0.12	0.03	0.05	0.09	0.05	0.04
4	1000	0.2	0.0	1	0.13	0.01	0.05	0.07	0.02	0.03
20	4	0.2	0.0	1	0.10	0.01	0.13	0.07	0.01	0.08
20	20	0.2	0.0	1	0.14	0.02	0.04	0.08	0.01	0.02
20	200	0.2	0.0	1	0.13	0.01	0.08	0.08	0.01	0.04
20	1000	0.2	0.0	1	0.11	0.01	0.09	0.07	0.01	0.03
50	4	0.2	0.0	1	0.09	0.01	0.09	0.07	0.00	0.05
50	20	0.2	0.0	1	0.08	0.00	0.05	0.06	0.00	0.04
50	200	0.2	0.0	1	0.12	0.01	0.05	0.09	0.01	0.03
50	1000	0.2	0.0	1	0.14	0.00	0.09	0.06	0.00	0.03
100	4	0.2	0.0	1	0.09	0.01	0.09	0.05	0.01	0.03
100	20	0.2	0.0	1	0.09	0.00	0.06	0.05	0.01	0.03
100	200	0.2	0.0	1	0.12	0.01	0.12	0.06	0.00	0.06
100	1000	0.2	0.0	1	0.13	0.00	0.13	0.09	0.00	0.08
200	4	0.2	0.0	1	0.14	0.01	0.02	0.05	0.00	0.02
200	20	0.2	0.0	1	0.09	0.00	0.05	0.03	0.00	0.03
200	200	0.2	0.0	1	0.10	0.00	0.09	0.08	0.00	0.04
200	1000	0.2	0.0	1	0.09	0.00	0.08	0.03	0.00	0.03
4	4	0.8	0.0	1	0.18	0.05	0.40	0.15	0.10	0.35
4	20	0.8	0.0	1	0.23	0.06	0.25	0.18	0.07	0.25
4	200	0.8	0.0	1	0.19	0.05	0.17	0.14	0.06	0.15
4	1000	0.8	0.0	1	0.21	0.04	0.14	0.14	0.04	0.17
20	4	0.8	0.0	1	0.46	0.01	0.47	0.35	0.02	0.28
20	20	0.8	0.0	1	0.49	0.01	0.38	0.39	0.01	0.23
20	200	0.8	0.0	1	0.44	0.02	0.34	0.37	0.03	0.23
20	1000	0.8	0.0	1	0.46	0.01	0.27	0.37	0.00	0.14
50	4	0.8	0.0	1	0.47	0.02	0.42	0.38	0.02	0.24
50	20	0.8	0.0	1	0.50	0.00	0.45	0.34	0.00	0.27
50	200	0.8	0.0	1	0.58	0.00	0.34	0.37	0.00	0.19

50	1000	0.8	0.0	1	0.54	0.01	0.31	0.30	0.01	0.13
100	4	0.8	0.0	1	0.51	0.00	0.48	0.29	0.00	0.26
100	20	0.8	0.0	1	0.58	0.00	0.40	0.28	0.00	0.22
100	200	0.8	0.0	1	0.50	0.01	0.23	0.36	0.01	0.19
100	1000	0.8	0.0	1	0.49	0.01	0.46	0.32	0.01	0.18
200	4	0.8	0.0	1	0.55	0.00	0.43	0.30	0.00	0.24
200	20	0.8	0.0	1	0.54	0.02	0.32	0.28	0.02	0.15
200	200	0.8	0.0	1	0.47	0.02	0.46	0.24	0.01	0.12
200	1000	0.8	0.0	1	0.47	0.02	0.51	0.27	0.01	0.23
4	4	0.2	0.2	1	0.18	0.06	0.09	0.16	0.11	0.15
4	20	0.2	0.2	1	0.25	0.37	0.08	0.18	0.25	0.08
4	200	0.2	0.2	1	0.98	1.00	0.08	0.93	1.00	0.05
4	1000	0.2	0.2	1	1.00	1.00	0.25	1.00	1.00	0.22
20	4	0.2	0.2	1	0.11	0.43	0.11	0.07	0.23	0.08
20	20	0.2	0.2	1	0.18	1.00	0.07	0.17	0.96	0.02
20	200	0.2	0.2	1	0.55	1.00	0.19	0.61	1.00	0.15
20	1000	0.2	0.2	1	1.00	1.00	0.47	1.00	1.00	0.50
50	4	0.2	0.2	1	0.09	0.93	0.08	0.05	0.63	0.04
50	20	0.2	0.2	1	0.12	1.00	0.13	0.10	1.00	0.09
50	200	0.2	0.2	1	0.40	1.00	0.35	0.47	1.00	0.32
50	1000	0.2	0.2	1	0.94	1.00	0.77	0.99	1.00	0.86
100	4	0.2	0.2	1	0.11	1.00	0.06	0.06	0.97	0.02
100	20	0.2	0.2	1	0.12	1.00	0.09	0.08	1.00	0.05
100	200	0.2	0.2	1	0.28	1.00	0.42	0.29	1.00	0.39
100	1000	0.2	0.2	1	0.76	1.00	0.91	0.93	1.00	0.95
200	4	0.2	0.2	1	0.11	1.00	0.06	0.05	1.00	0.03
200	20	0.2	0.2	1	0.07	1.00	0.10	0.04	1.00	0.07
200	200	0.2	0.2	1	0.20	1.00	0.32	0.18	1.00	0.28
200	1000	0.2	0.2	1	0.47	1.00	0.87	0.61	1.00	0.92
4	4	0.8	0.2	1	0.30	0.15	0.31	0.23	0.22	0.36
4	20	0.8	0.2	1	0.46	0.53	0.31	0.39	0.54	0.29
4	200	0.8	0.2	1	1.00	1.00	0.36	1.00	1.00	0.36
4	1000	0.8	0.2	1	1.00	1.00	0.61	1.00	1.00	0.58
20	4	0.8	0.2	1	0.47	0.59	0.47	0.37	0.58	0.34
20	20	0.8	0.2	1	0.47	1.00	0.54	0.49	1.00	0.32
20	200	0.8	0.2	1	0.90	1.00	0.52	0.96	1.00	0.55
20	1000	0.8	0.2	1	1.00	1.00	0.85	1.00	1.00	0.98
50	4	0.8	0.2	1	0.48	0.99	0.50	0.34	0.97	0.31

50	20	0.8	0.2	1	0.41	1.00	0.49	0.40	1.00	0.38
50	200	0.8	0.2	1	0.73	1.00	0.66	0.95	1.00	0.83
50	1000	0.8	0.2	1	0.98	1.00	0.97	1.00	1.00	1.00
100	4	0.8	0.2	1	0.53	1.00	0.52	0.31	1.00	0.34
100	20	0.8	0.2	1	0.50	1.00	0.47	0.45	1.00	0.42
100	200	0.8	0.2	1	0.65	1.00	0.75	0.92	1.00	0.92
100	1000	0.8	0.2	1	0.93	1.00	0.99	1.00	1.00	1.00
200	4	0.8	0.2	1	0.55	1.00	0.42	0.27	1.00	0.23
200	20	0.8	0.2	1	0.53	1.00	0.41	0.39	1.00	0.38
200	200	0.8	0.2	1	0.63	1.00	0.79	0.88	1.00	0.93
200	1000	0.8	0.2	1	0.80	1.00	0.99	1.00	1.00	1.00
4	4	0.2	0.5	1	0.21	0.27	0.10	0.16	0.36	0.11
4	20	0.2	0.5	1	0.79	1.00	0.11	0.69	0.98	0.11
4	200	0.2	0.5	1	1.00	1.00	0.18	1.00	1.00	0.16
4	1000	0.2	0.5	1	1.00	1.00	0.47	1.00	1.00	0.48
20	4	0.2	0.5	1	0.14	1.00	0.11	0.14	0.98	0.06
20	20	0.2	0.5	1	0.48	1.00	0.13	0.50	1.00	0.10
20	200	0.2	0.5	1	1.00	1.00	0.46	1.00	1.00	0.49
20	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.2	0.5	1	0.13	1.00	0.09	0.12	1.00	0.06
50	20	0.2	0.5	1	0.23	1.00	0.18	0.26	1.00	0.13
50	200	0.2	0.5	1	0.93	1.00	0.80	0.99	1.00	0.88
50	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.5	1	0.11	1.00	0.09	0.07	1.00	0.07
100	20	0.2	0.5	1	0.11	1.00	0.22	0.11	1.00	0.18
100	200	0.2	0.5	1	0.67	1.00	0.87	0.86	1.00	0.91
100	1000	0.2	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	1	0.12	1.00	0.08	0.07	1.00	0.06
200	20	0.2	0.5	1	0.17	1.00	0.22	0.14	1.00	0.18
200	200	0.2	0.5	1	0.53	1.00	0.87	0.65	1.00	0.91
200	1000	0.2	0.5	1	0.96	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.5	1	0.48	0.59	0.39	0.38	0.79	0.35
4	20	0.8	0.5	1	0.94	1.00	0.34	0.92	1.00	0.31
4	200	0.8	0.5	1	1.00	1.00	0.55	1.00	1.00	0.57
4	1000	0.8	0.5	1	1.00	1.00	0.95	1.00	1.00	0.97
20	4	0.8	0.5	1	0.49	1.00	0.51	0.50	1.00	0.40
20	20	0.8	0.5	1	0.72	1.00	0.47	0.82	1.00	0.51
20	200	0.8	0.5	1	1.00	1.00	0.87	1.00	1.00	0.96

20	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.5	1	0.52	1.00	0.54	0.52	1.00	0.41
50	20	0.8	0.5	1	0.62	1.00	0.60	0.81	1.00	0.68
50	200	0.8	0.5	1	0.99	1.00	0.99	1.00	1.00	1.00
50	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	1	0.48	1.00	0.54	0.40	1.00	0.39
100	20	0.8	0.5	1	0.59	1.00	0.61	0.75	1.00	0.75
100	200	0.8	0.5	1	0.94	1.00	0.99	1.00	1.00	1.00
100	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	1	0.48	1.00	0.43	0.36	1.00	0.36
200	20	0.8	0.5	1	0.49	1.00	0.56	0.66	1.00	0.72
200	200	0.8	0.5	1	0.81	1.00	0.97	1.00	1.00	1.00
200	1000	0.8	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	1	0.42	0.61	0.10	0.31	0.72	0.11
4	20	0.2	0.8	1	0.96	1.00	0.09	0.93	1.00	0.07
4	200	0.2	0.8	1	1.00	1.00	0.24	1.00	1.00	0.22
4	1000	0.2	0.8	1	1.00	1.00	0.70	1.00	1.00	0.70
20	4	0.2	0.8	1	0.21	1.00	0.11	0.22	1.00	0.08
20	20	0.2	0.8	1	0.68	1.00	0.15	0.76	1.00	0.12
20	200	0.2	0.8	1	1.00	1.00	0.64	1.00	1.00	0.66
20	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.2	0.8	1	0.15	1.00	0.13	0.14	1.00	0.10
50	20	0.2	0.8	1	0.38	1.00	0.20	0.47	1.00	0.16
50	200	0.2	0.8	1	1.00	1.00	0.91	1.00	1.00	0.96
50	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	1	0.16	1.00	0.14	0.11	1.00	0.10
100	20	0.2	0.8	1	0.24	1.00	0.34	0.29	1.00	0.31
100	200	0.2	0.8	1	0.94	1.00	0.95	1.00	1.00	0.99
100	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	1	0.13	1.00	0.14	0.07	1.00	0.08
200	20	0.2	0.8	1	0.21	1.00	0.28	0.19	1.00	0.28
200	200	0.2	0.8	1	0.65	1.00	0.98	0.86	1.00	1.00
200	1000	0.2	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	1	0.64	0.88	0.33	0.56	0.98	0.27
4	20	0.8	0.8	1	1.00	1.00	0.28	1.00	1.00	0.29
4	200	0.8	0.8	1	1.00	1.00	0.65	1.00	1.00	0.64
4	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
20	4	0.8	0.8	1	0.63	1.00	0.45	0.68	1.00	0.50

20	20	0.8	0.8	1	0.89	1.00	0.54	0.97	1.00	0.55
20	200	0.8	0.8	1	1.00	1.00	0.91	1.00	1.00	1.00
20	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	1	0.53	1.00	0.50	0.58	1.00	0.43
50	20	0.8	0.8	1	0.77	1.00	0.69	0.95	1.00	0.85
50	200	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.8	1	0.49	1.00	0.58	0.57	1.00	0.53
100	20	0.8	0.8	1	0.71	1.00	0.76	0.93	1.00	0.88
100	200	0.8	0.8	1	0.99	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	1	0.55	1.00	0.53	0.54	1.00	0.53
200	20	0.8	0.8	1	0.63	1.00	0.70	0.88	1.00	0.89
200	200	0.8	0.8	1	0.94	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	1	0.14	0.06	0.10	0.09	0.13	0.11
4	20	0.2	-0.2	1	0.30	0.41	0.10	0.21	0.24	0.08
4	200	0.2	-0.2	1	0.97	1.00	0.03	0.91	1.00	0.02
4	1000	0.2	-0.2	1	1.00	1.00	0.01	1.00	1.00	0.01
20	4	0.2	-0.2	1	0.10	0.51	0.12	0.08	0.20	0.08
20	20	0.2	-0.2	1	0.25	1.00	0.05	0.22	0.96	0.02
20	200	0.2	-0.2	1	0.64	1.00	0.01	0.70	1.00	0.00
20	1000	0.2	-0.2	1	0.99	1.00	0.21	1.00	1.00	0.00
50	4	0.2	-0.2	1	0.13	0.94	0.08	0.07	0.66	0.05
50	20	0.2	-0.2	1	0.12	1.00	0.07	0.07	1.00	0.04
50	200	0.2	-0.2	1	0.35	1.00	0.00	0.44	1.00	0.00
50	1000	0.2	-0.2	1	0.92	1.00	0.78	0.97	1.00	0.73
100	4	0.2	-0.2	1	0.12	1.00	0.05	0.06	0.99	0.03
100	20	0.2	-0.2	1	0.13	1.00	0.03	0.10	1.00	0.01
100	200	0.2	-0.2	1	0.19	1.00	0.32	0.22	1.00	0.20
100	1000	0.2	-0.2	1	0.65	1.00	0.93	0.85	1.00	0.96
200	4	0.2	-0.2	1	0.10	1.00	0.04	0.03	1.00	0.01
200	20	0.2	-0.2	1	0.14	1.00	0.01	0.08	1.00	0.01
200	200	0.2	-0.2	1	0.20	1.00	0.33	0.17	1.00	0.31
200	1000	0.2	-0.2	1	0.52	1.00	0.90	0.67	1.00	0.94
4	4	0.8	-0.2	1	0.25	0.09	0.32	0.19	0.22	0.27
4	20	0.8	-0.2	1	0.46	0.53	0.24	0.38	0.52	0.27
4	200	0.8	-0.2	1	0.99	1.00	0.27	0.99	1.00	0.26

4	1000	0.8	-0.2	1	1.00	1.00	0.31	1.00	1.00	0.33
20	4	0.8	-0.2	1	0.44	0.62	0.52	0.34	0.62	0.34
20	20	0.8	-0.2	1	0.55	1.00	0.41	0.48	1.00	0.32
20	200	0.8	-0.2	1	0.90	1.00	0.42	0.96	1.00	0.54
20	1000	0.8	-0.2	1	1.00	1.00	0.60	1.00	1.00	0.87
50	4	0.8	-0.2	1	0.54	0.98	0.54	0.48	0.97	0.34
50	20	0.8	-0.2	1	0.52	1.00	0.43	0.47	1.00	0.35
50	200	0.8	-0.2	1	0.77	1.00	0.44	0.91	1.00	0.68
50	1000	0.8	-0.2	1	0.99	1.00	0.67	1.00	1.00	1.00
100	4	0.8	-0.2	1	0.47	1.00	0.43	0.39	1.00	0.31
100	20	0.8	-0.2	1	0.49	1.00	0.42	0.46	1.00	0.32
100	200	0.8	-0.2	1	0.61	1.00	0.29	0.89	1.00	0.64
100	1000	0.8	-0.2	1	0.95	1.00	0.48	1.00	1.00	0.99
200	4	0.8	-0.2	1	0.44	1.00	0.35	0.25	1.00	0.21
200	20	0.8	-0.2	1	0.48	1.00	0.31	0.42	1.00	0.21
200	200	0.8	-0.2	1	0.62	1.00	0.47	0.86	1.00	0.29
200	1000	0.8	-0.2	1	0.83	1.00	0.95	1.00	1.00	0.58
4	4	0.2	-0.5	1	0.26	0.37	0.07	0.19	0.43	0.07
4	20	0.2	-0.5	1	0.78	0.98	0.10	0.70	0.92	0.09
4	200	0.2	-0.5	1	1.00	1.00	0.05	1.00	1.00	0.05
4	1000	0.2	-0.5	1	1.00	1.00	0.05	1.00	1.00	0.05
20	4	0.2	-0.5	1	0.18	1.00	0.08	0.18	0.99	0.06
20	20	0.2	-0.5	1	0.44	1.00	0.06	0.50	1.00	0.04
20	200	0.2	-0.5	1	1.00	1.00	0.08	1.00	1.00	0.07
20	1000	0.2	-0.5	1	1.00	1.00	0.08	1.00	1.00	0.13
50	4	0.2	-0.5	1	0.13	1.00	0.06	0.10	1.00	0.03
50	20	0.2	-0.5	1	0.24	1.00	0.02	0.26	1.00	0.02
50	200	0.2	-0.5	1	0.90	1.00	0.03	0.99	1.00	0.05
50	1000	0.2	-0.5	1	1.00	1.00	0.20	1.00	1.00	0.06
100	4	0.2	-0.5	1	0.12	1.00	0.04	0.05	1.00	0.03
100	20	0.2	-0.5	1	0.14	1.00	0.01	0.12	1.00	0.01
100	200	0.2	-0.5	1	0.64	1.00	0.46	0.83	1.00	0.12
100	1000	0.2	-0.5	1	1.00	1.00	0.98	1.00	1.00	0.68
200	4	0.2	-0.5	1	0.09	1.00	0.03	0.04	1.00	0.02
200	20	0.2	-0.5	1	0.16	1.00	0.01	0.13	1.00	0.01
200	200	0.2	-0.5	1	0.44	1.00	0.85	0.58	1.00	0.92
200	1000	0.2	-0.5	1	0.95	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	1	0.45	0.58	0.35	0.36	0.72	0.32

4	20	0.8	-0.5	1	0.93	1.00	0.28	0.89	1.00	0.29
4	200	0.8	-0.5	1	1.00	1.00	0.45	1.00	1.00	0.46
4	1000	0.8	-0.5	1	1.00	1.00	0.84	1.00	1.00	0.90
20	4	0.8	-0.5	1	0.52	1.00	0.45	0.58	1.00	0.33
20	20	0.8	-0.5	1	0.73	1.00	0.49	0.82	1.00	0.42
20	200	0.8	-0.5	1	1.00	1.00	0.76	1.00	1.00	0.94
20	1000	0.8	-0.5	1	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.8	-0.5	1	0.58	1.00	0.49	0.53	1.00	0.40
50	20	0.8	-0.5	1	0.65	1.00	0.54	0.80	1.00	0.64
50	200	0.8	-0.5	1	1.00	1.00	0.86	1.00	1.00	1.00
50	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.5	1	0.55	1.00	0.52	0.41	1.00	0.39
100	20	0.8	-0.5	1	0.58	1.00	0.50	0.73	1.00	0.60
100	200	0.8	-0.5	1	0.91	1.00	0.82	1.00	1.00	1.00
100	1000	0.8	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.5	1	0.54	1.00	0.41	0.44	1.00	0.35
200	20	0.8	-0.5	1	0.57	1.00	0.38	0.69	1.00	0.52
200	200	0.8	-0.5	1	0.83	1.00	0.49	1.00	1.00	1.00
200	1000	0.8	-0.5	1	1.00	1.00	0.57	1.00	1.00	1.00
4	4	0.2	-0.8	1	0.38	0.63	0.07	0.35	0.73	0.11
4	20	0.2	-0.8	1	0.96	1.00	0.05	0.91	1.00	0.05
4	200	0.2	-0.8	1	1.00	1.00	0.09	1.00	1.00	0.08
4	1000	0.2	-0.8	1	1.00	1.00	0.10	1.00	1.00	0.11
20	4	0.2	-0.8	1	0.23	1.00	0.10	0.26	1.00	0.06
20	20	0.2	-0.8	1	0.65	1.00	0.10	0.72	1.00	0.05
20	200	0.2	-0.8	1	1.00	1.00	0.14	1.00	1.00	0.15
20	1000	0.2	-0.8	1	1.00	1.00	0.15	1.00	1.00	0.33
50	4	0.2	-0.8	1	0.14	1.00	0.14	0.11	1.00	0.07
50	20	0.2	-0.8	1	0.37	1.00	0.07	0.47	1.00	0.05
50	200	0.2	-0.8	1	0.99	1.00	0.08	1.00	1.00	0.16
50	1000	0.2	-0.8	1	1.00	1.00	0.15	1.00	1.00	0.48
100	4	0.2	-0.8	1	0.12	1.00	0.05	0.08	1.00	0.03
100	20	0.2	-0.8	1	0.26	1.00	0.04	0.27	1.00	0.03
100	200	0.2	-0.8	1	0.90	1.00	0.20	0.99	1.00	0.05
100	1000	0.2	-0.8	1	1.00	1.00	0.59	1.00	1.00	0.03
200	4	0.2	-0.8	1	0.12	1.00	0.02	0.07	1.00	0.01
200	20	0.2	-0.8	1	0.21	1.00	0.00	0.19	1.00	0.01
200	200	0.2	-0.8	1	0.69	1.00	0.98	0.89	1.00	0.98

200	1000	0.2	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	1	0.64	0.87	0.34	0.50	0.99	0.30
4	20	0.8	-0.8	1	1.00	1.00	0.33	1.00	1.00	0.30
4	200	0.8	-0.8	1	1.00	1.00	0.58	1.00	1.00	0.57
4	1000	0.8	-0.8	1	1.00	1.00	0.96	1.00	1.00	0.98
20	4	0.8	-0.8	1	0.61	1.00	0.49	0.67	1.00	0.45
20	20	0.8	-0.8	1	0.92	1.00	0.62	0.95	1.00	0.53
20	200	0.8	-0.8	1	1.00	1.00	0.86	1.00	1.00	1.00
20	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	-0.8	1	0.53	1.00	0.57	0.67	1.00	0.56
50	20	0.8	-0.8	1	0.75	1.00	0.55	0.94	1.00	0.69
50	200	0.8	-0.8	1	1.00	1.00	0.96	1.00	1.00	1.00
50	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	1	0.51	1.00	0.54	0.57	1.00	0.51
100	20	0.8	-0.8	1	0.63	1.00	0.59	0.94	1.00	0.85
100	200	0.8	-0.8	1	1.00	1.00	0.98	1.00	1.00	1.00
100	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	1	0.53	1.00	0.46	0.52	1.00	0.43
200	20	0.8	-0.8	1	0.64	1.00	0.42	0.88	1.00	0.77
200	200	0.8	-0.8	1	0.90	1.00	0.78	1.00	1.00	1.00
200	1000	0.8	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.0	2	0.07	0.04	0.05	0.08	0.08	0.07
4	20	0.2	0.0	2	0.10	0.03	0.04	0.07	0.05	0.05
4	200	0.2	0.0	2	0.15	0.05	0.04	0.12	0.07	0.03
4	1000	0.2	0.0	2	0.17	0.04	0.06	0.12	0.06	0.06
20	4	0.2	0.0	2	0.10	0.03	0.07	0.07	0.02	0.05
20	20	0.2	0.0	2	0.08	0.04	0.08	0.07	0.03	0.05
20	200	0.2	0.0	2	0.12	0.05	0.08	0.09	0.03	0.04
20	1000	0.2	0.0	2	0.12	0.02	0.08	0.09	0.01	0.05
50	4	0.2	0.0	2	0.11	0.04	0.09	0.06	0.01	0.06
50	20	0.2	0.0	2	0.16	0.04	0.04	0.08	0.02	0.02
50	200	0.2	0.0	2	0.12	0.04	0.10	0.06	0.01	0.05
50	1000	0.2	0.0	2	0.09	0.02	0.12	0.04	0.01	0.07
100	4	0.2	0.0	2	0.14	0.02	0.07	0.09	0.01	0.05
100	20	0.2	0.0	2	0.13	0.03	0.06	0.09	0.01	0.02
100	200	0.2	0.0	2	0.13	0.03	0.12	0.09	0.01	0.07
100	1000	0.2	0.0	2	0.13	0.03	0.13	0.09	0.02	0.06
200	4	0.2	0.0	2	0.10	0.03	0.08	0.06	0.03	0.05

200	20	0.2	0.0	2	0.10	0.04	0.09	0.05	0.03	0.04
200	200	0.2	0.0	2	0.10	0.04	0.13	0.04	0.01	0.05
200	1000	0.2	0.0	2	0.15	0.02	0.12	0.08	0.00	0.06
4	4	0.8	0.0	2	0.16	0.04	0.31	0.14	0.14	0.31
4	20	0.8	0.0	2	0.20	0.06	0.28	0.14	0.06	0.19
4	200	0.8	0.0	2	0.16	0.06	0.18	0.12	0.06	0.15
4	1000	0.8	0.0	2	0.13	0.06	0.17	0.07	0.05	0.14
20	4	0.8	0.0	2	0.40	0.03	0.52	0.29	0.04	0.33
20	20	0.8	0.0	2	0.41	0.02	0.40	0.29	0.02	0.27
20	200	0.8	0.0	2	0.39	0.03	0.27	0.25	0.03	0.16
20	1000	0.8	0.0	2	0.46	0.05	0.39	0.33	0.05	0.15
50	4	0.8	0.0	2	0.51	0.03	0.48	0.33	0.03	0.23
50	20	0.8	0.0	2	0.40	0.03	0.41	0.29	0.02	0.18
50	200	0.8	0.0	2	0.53	0.03	0.29	0.39	0.03	0.15
50	1000	0.8	0.0	2	0.45	0.02	0.47	0.29	0.03	0.12
100	4	0.8	0.0	2	0.53	0.02	0.41	0.37	0.02	0.23
100	20	0.8	0.0	2	0.42	0.03	0.35	0.35	0.03	0.20
100	200	0.8	0.0	2	0.50	0.03	0.37	0.31	0.02	0.08
100	1000	0.8	0.0	2	0.50	0.03	0.45	0.35	0.02	0.21
200	4	0.8	0.0	2	0.45	0.03	0.41	0.28	0.03	0.15
200	20	0.8	0.0	2	0.51	0.02	0.26	0.29	0.03	0.14
200	200	0.8	0.0	2	0.49	0.02	0.49	0.29	0.02	0.09
200	1000	0.8	0.0	2	0.52	0.02	0.50	0.26	0.02	0.21
4	4	0.2	0.2	2	0.15	0.05	0.10	0.13	0.09	0.11
4	20	0.2	0.2	2	0.30	0.35	0.06	0.22	0.27	0.05
4	200	0.2	0.2	2	0.97	1.00	0.08	0.95	1.00	0.06
4	1000	0.2	0.2	2	1.00	1.00	0.12	1.00	1.00	0.11
20	4	0.2	0.2	2	0.13	0.45	0.09	0.12	0.27	0.05
20	20	0.2	0.2	2	0.22	0.98	0.09	0.21	0.95	0.04
20	200	0.2	0.2	2	0.81	1.00	0.13	0.92	1.00	0.08
20	1000	0.2	0.2	2	1.00	1.00	0.41	1.00	1.00	0.40
50	4	0.2	0.2	2	0.18	0.85	0.11	0.12	0.63	0.07
50	20	0.2	0.2	2	0.10	1.00	0.09	0.09	1.00	0.06
50	200	0.2	0.2	2	0.57	1.00	0.23	0.71	1.00	0.20
50	1000	0.2	0.2	2	0.99	1.00	0.62	1.00	1.00	0.67
100	4	0.2	0.2	2	0.15	1.00	0.10	0.09	0.95	0.05
100	20	0.2	0.2	2	0.12	1.00	0.13	0.09	1.00	0.10
100	200	0.2	0.2	2	0.34	1.00	0.30	0.44	1.00	0.27

100	1000	0.2	0.2	2	0.95	1.00	0.89	1.00	1.00	0.94
200	4	0.2	0.2	2	0.09	1.00	0.10	0.07	1.00	0.07
200	20	0.2	0.2	2	0.09	1.00	0.11	0.06	1.00	0.07
200	200	0.2	0.2	2	0.31	1.00	0.39	0.34	1.00	0.36
200	1000	0.2	0.2	2	0.73	1.00	0.89	0.90	1.00	0.96
4	4	0.8	0.2	2	0.23	0.08	0.28	0.17	0.16	0.29
4	20	0.8	0.2	2	0.47	0.46	0.28	0.40	0.45	0.23
4	200	0.8	0.2	2	1.00	1.00	0.27	0.99	1.00	0.24
4	1000	0.8	0.2	2	1.00	1.00	0.41	1.00	1.00	0.40
20	4	0.8	0.2	2	0.41	0.57	0.42	0.35	0.56	0.34
20	20	0.8	0.2	2	0.62	0.99	0.36	0.59	0.99	0.26
20	200	0.8	0.2	2	0.95	1.00	0.55	1.00	1.00	0.57
20	1000	0.8	0.2	2	1.00	1.00	0.78	1.00	1.00	0.93
50	4	0.8	0.2	2	0.47	0.98	0.49	0.33	0.96	0.27
50	20	0.8	0.2	2	0.52	1.00	0.42	0.55	1.00	0.38
50	200	0.8	0.2	2	0.86	1.00	0.65	0.99	1.00	0.85
50	1000	0.8	0.2	2	1.00	1.00	0.93	1.00	1.00	1.00
100	4	0.8	0.2	2	0.51	1.00	0.42	0.40	1.00	0.30
100	20	0.8	0.2	2	0.52	1.00	0.45	0.55	1.00	0.46
100	200	0.8	0.2	2	0.79	1.00	0.68	1.00	1.00	0.95
100	1000	0.8	0.2	2	1.00	1.00	0.96	1.00	1.00	1.00
200	4	0.8	0.2	2	0.54	1.00	0.42	0.36	1.00	0.30
200	20	0.8	0.2	2	0.51	1.00	0.43	0.50	1.00	0.41
200	200	0.8	0.2	2	0.70	1.00	0.81	0.99	1.00	1.00
200	1000	0.8	0.2	2	0.93	1.00	0.99	1.00	1.00	1.00
4	4	0.2	0.5	2	0.35	0.31	0.09	0.26	0.32	0.17
4	20	0.2	0.5	2	0.84	0.98	0.09	0.71	0.95	0.07
4	200	0.2	0.5	2	1.00	1.00	0.14	1.00	1.00	0.13
4	1000	0.2	0.5	2	1.00	1.00	0.38	1.00	1.00	0.38
20	4	0.2	0.5	2	0.28	0.99	0.08	0.27	0.95	0.06
20	20	0.2	0.5	2	0.61	1.00	0.14	0.67	1.00	0.11
20	200	0.2	0.5	2	1.00	1.00	0.43	1.00	1.00	0.41
20	1000	0.2	0.5	2	1.00	1.00	0.93	1.00	1.00	0.96
50	4	0.2	0.5	2	0.19	1.00	0.13	0.15	1.00	0.10
50	20	0.2	0.5	2	0.40	1.00	0.17	0.48	1.00	0.12
50	200	0.2	0.5	2	1.00	1.00	0.67	1.00	1.00	0.72
50	1000	0.2	0.5	2	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.2	0.5	2	0.17	1.00	0.12	0.14	1.00	0.09

100	20	0.2	0.5	2	0.37	1.00	0.27	0.40	1.00	0.22
100	200	0.2	0.5	2	0.95	1.00	0.86	1.00	1.00	0.91
100	1000	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	2	0.14	1.00	0.15	0.09	1.00	0.06
200	20	0.2	0.5	2	0.18	1.00	0.20	0.16	1.00	0.16
200	200	0.2	0.5	2	0.80	1.00	0.95	0.95	1.00	0.99
200	1000	0.2	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.5	2	0.50	0.47	0.34	0.39	0.53	0.31
4	20	0.8	0.5	2	0.97	0.99	0.29	0.96	0.99	0.26
4	200	0.8	0.5	2	1.00	1.00	0.50	1.00	1.00	0.48
4	1000	0.8	0.5	2	1.00	1.00	0.86	1.00	1.00	0.87
20	4	0.8	0.5	2	0.58	1.00	0.47	0.65	1.00	0.29
20	20	0.8	0.5	2	0.89	1.00	0.50	0.94	1.00	0.40
20	200	0.8	0.5	2	1.00	1.00	0.76	1.00	1.00	0.92
20	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.5	2	0.58	1.00	0.53	0.66	1.00	0.36
50	20	0.8	0.5	2	0.75	1.00	0.53	0.97	1.00	0.62
50	200	0.8	0.5	2	1.00	1.00	0.90	1.00	1.00	1.00
50	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	2	0.60	1.00	0.44	0.59	1.00	0.40
100	20	0.8	0.5	2	0.72	1.00	0.61	0.96	1.00	0.84
100	200	0.8	0.5	2	0.99	1.00	0.99	1.00	1.00	1.00
100	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	2	0.53	1.00	0.47	0.56	1.00	0.48
200	20	0.8	0.5	2	0.53	1.00	0.56	0.88	1.00	0.81
200	200	0.8	0.5	2	0.95	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	2	0.53	0.74	0.08	0.41	0.67	0.12
4	20	0.2	0.8	2	0.99	1.00	0.08	0.95	1.00	0.06
4	200	0.2	0.8	2	1.00	1.00	0.21	1.00	1.00	0.20
4	1000	0.2	0.8	2	1.00	1.00	0.52	1.00	1.00	0.51
20	4	0.2	0.8	2	0.36	1.00	0.08	0.41	1.00	0.05
20	20	0.2	0.8	2	0.89	1.00	0.16	0.93	1.00	0.12
20	200	0.2	0.8	2	1.00	1.00	0.60	1.00	1.00	0.63
20	1000	0.2	0.8	2	1.00	1.00	0.99	1.00	1.00	0.99
50	4	0.2	0.8	2	0.21	1.00	0.17	0.22	1.00	0.14
50	20	0.2	0.8	2	0.62	1.00	0.21	0.77	1.00	0.17
50	200	0.2	0.8	2	1.00	1.00	0.86	1.00	1.00	0.92

50	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	2	0.19	1.00	0.19	0.16	1.00	0.12
100	20	0.2	0.8	2	0.40	1.00	0.33	0.51	1.00	0.31
100	200	0.2	0.8	2	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	2	0.12	1.00	0.14	0.08	1.00	0.09
200	20	0.2	0.8	2	0.33	1.00	0.43	0.36	1.00	0.41
200	200	0.2	0.8	2	0.95	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	2	0.72	0.90	0.36	0.65	0.94	0.28
4	20	0.8	0.8	2	1.00	1.00	0.31	1.00	1.00	0.29
4	200	0.8	0.8	2	1.00	1.00	0.51	1.00	1.00	0.57
4	1000	0.8	0.8	2	1.00	1.00	0.97	1.00	1.00	0.99
20	4	0.8	0.8	2	0.64	1.00	0.44	0.82	1.00	0.43
20	20	0.8	0.8	2	0.98	1.00	0.44	1.00	1.00	0.45
20	200	0.8	0.8	2	1.00	1.00	0.87	1.00	1.00	0.98
20	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	2	0.59	1.00	0.55	0.82	1.00	0.50
50	20	0.8	0.8	2	0.90	1.00	0.60	1.00	1.00	0.81
50	200	0.8	0.8	2	1.00	1.00	0.99	1.00	1.00	1.00
50	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.8	2	0.59	1.00	0.58	0.82	1.00	0.66
100	20	0.8	0.8	2	0.75	1.00	0.75	1.00	1.00	0.97
100	200	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	2	0.57	1.00	0.54	0.73	1.00	0.60
200	20	0.8	0.8	2	0.70	1.00	0.73	0.99	1.00	0.98
200	200	0.8	0.8	2	0.99	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	2	0.16	0.10	0.05	0.16	0.11	0.08
4	20	0.2	-0.2	2	0.33	0.37	0.05	0.25	0.31	0.02
4	200	0.2	-0.2	2	0.98	1.00	0.04	0.95	1.00	0.03
4	1000	0.2	-0.2	2	1.00	1.00	0.02	1.00	1.00	0.01
20	4	0.2	-0.2	2	0.11	0.36	0.07	0.11	0.24	0.05
20	20	0.2	-0.2	2	0.21	0.99	0.06	0.19	0.93	0.04
20	200	0.2	-0.2	2	0.88	1.00	0.01	0.94	1.00	0.00
20	1000	0.2	-0.2	2	1.00	1.00	0.42	1.00	1.00	0.37
50	4	0.2	-0.2	2	0.11	0.80	0.06	0.07	0.62	0.03

50	20	0.2	-0.2	2	0.17	1.00	0.04	0.14	1.00	0.02
50	200	0.2	-0.2	2	0.62	1.00	0.22	0.75	1.00	0.14
50	1000	0.2	-0.2	2	1.00	1.00	0.67	1.00	1.00	0.71
100	4	0.2	-0.2	2	0.13	1.00	0.06	0.08	0.97	0.03
100	20	0.2	-0.2	2	0.17	1.00	0.03	0.12	1.00	0.02
100	200	0.2	-0.2	2	0.40	1.00	0.30	0.52	1.00	0.28
100	1000	0.2	-0.2	2	0.93	1.00	0.83	0.99	1.00	0.88
200	4	0.2	-0.2	2	0.10	1.00	0.05	0.08	1.00	0.01
200	20	0.2	-0.2	2	0.12	1.00	0.13	0.08	1.00	0.03
200	200	0.2	-0.2	2	0.30	1.00	0.41	0.32	1.00	0.38
200	1000	0.2	-0.2	2	0.70	1.00	0.92	0.91	1.00	0.97
4	4	0.8	-0.2	2	0.25	0.14	0.36	0.20	0.19	0.36
4	20	0.8	-0.2	2	0.52	0.48	0.22	0.42	0.45	0.21
4	200	0.8	-0.2	2	1.00	1.00	0.18	1.00	1.00	0.12
4	1000	0.8	-0.2	2	1.00	1.00	0.07	1.00	1.00	0.15
20	4	0.8	-0.2	2	0.48	0.60	0.50	0.42	0.59	0.28
20	20	0.8	-0.2	2	0.57	1.00	0.37	0.58	1.00	0.20
20	200	0.8	-0.2	2	0.96	1.00	0.25	1.00	1.00	0.31
20	1000	0.8	-0.2	2	1.00	1.00	0.26	1.00	1.00	0.40
50	4	0.8	-0.2	2	0.55	0.95	0.47	0.46	0.94	0.27
50	20	0.8	-0.2	2	0.58	1.00	0.30	0.65	1.00	0.26
50	200	0.8	-0.2	2	0.87	1.00	0.20	1.00	1.00	0.48
50	1000	0.8	-0.2	2	1.00	1.00	0.57	1.00	1.00	0.82
100	4	0.8	-0.2	2	0.54	1.00	0.47	0.34	1.00	0.23
100	20	0.8	-0.2	2	0.49	1.00	0.26	0.52	1.00	0.21
100	200	0.8	-0.2	2	0.79	1.00	0.37	1.00	1.00	0.55
100	1000	0.8	-0.2	2	0.99	1.00	0.80	1.00	1.00	0.96
200	4	0.8	-0.2	2	0.52	1.00	0.39	0.34	1.00	0.25
200	20	0.8	-0.2	2	0.52	1.00	0.26	0.54	1.00	0.19
200	200	0.8	-0.2	2	0.67	1.00	0.67	1.00	1.00	0.36
200	1000	0.8	-0.2	2	0.95	1.00	0.99	1.00	1.00	0.79
4	4	0.2	-0.5	2	0.30	0.30	0.10	0.26	0.33	0.14
4	20	0.2	-0.5	2	0.86	0.99	0.03	0.73	0.96	0.03
4	200	0.2	-0.5	2	1.00	1.00	0.02	1.00	1.00	0.02
4	1000	0.2	-0.5	2	1.00	1.00	0.00	1.00	1.00	0.00
20	4	0.2	-0.5	2	0.30	1.00	0.08	0.30	1.00	0.06
20	20	0.2	-0.5	2	0.62	1.00	0.03	0.69	1.00	0.02
20	200	0.2	-0.5	2	1.00	1.00	0.00	1.00	1.00	0.00

20	1000	0.2	-0.5	2	1.00	1.00	0.91	1.00	1.00	0.82
50	4	0.2	-0.5	2	0.16	1.00	0.08	0.14	1.00	0.06
50	20	0.2	-0.5	2	0.37	1.00	0.05	0.47	1.00	0.03
50	200	0.2	-0.5	2	1.00	1.00	0.49	1.00	1.00	0.33
50	1000	0.2	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	-0.5	2	0.13	1.00	0.06	0.10	1.00	0.02
100	20	0.2	-0.5	2	0.32	1.00	0.00	0.39	1.00	0.00
100	200	0.2	-0.5	2	0.93	1.00	0.84	1.00	1.00	0.87
100	1000	0.2	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.5	2	0.11	1.00	0.02	0.08	1.00	0.01
200	20	0.2	-0.5	2	0.16	1.00	0.10	0.14	1.00	0.02
200	200	0.2	-0.5	2	0.70	1.00	0.91	0.93	1.00	0.96
200	1000	0.2	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	2	0.49	0.54	0.34	0.41	0.60	0.36
4	20	0.8	-0.5	2	0.96	1.00	0.23	0.93	1.00	0.19
4	200	0.8	-0.5	2	1.00	1.00	0.26	1.00	1.00	0.27
4	1000	0.8	-0.5	2	1.00	1.00	0.48	1.00	1.00	0.57
20	4	0.8	-0.5	2	0.60	1.00	0.55	0.60	1.00	0.37
20	20	0.8	-0.5	2	0.88	1.00	0.42	0.96	1.00	0.39
20	200	0.8	-0.5	2	1.00	1.00	0.36	1.00	1.00	0.72
20	1000	0.8	-0.5	2	1.00	1.00	0.74	1.00	1.00	1.00
50	4	0.8	-0.5	2	0.57	1.00	0.40	0.63	1.00	0.36
50	20	0.8	-0.5	2	0.74	1.00	0.42	0.98	1.00	0.53
50	200	0.8	-0.5	2	1.00	1.00	0.54	1.00	1.00	1.00
50	1000	0.8	-0.5	2	1.00	1.00	0.89	1.00	1.00	1.00
100	4	0.8	-0.5	2	0.56	1.00	0.53	0.68	1.00	0.49
100	20	0.8	-0.5	2	0.67	1.00	0.42	0.94	1.00	0.67
100	200	0.8	-0.5	2	1.00	1.00	0.65	1.00	1.00	1.00
100	1000	0.8	-0.5	2	1.00	1.00	0.91	1.00	1.00	1.00
200	4	0.8	-0.5	2	0.51	1.00	0.42	0.55	1.00	0.39
200	20	0.8	-0.5	2	0.59	1.00	0.32	0.91	1.00	0.66
200	200	0.8	-0.5	2	0.96	1.00	0.48	1.00	1.00	1.00
200	1000	0.8	-0.5	2	1.00	1.00	0.44	1.00	1.00	1.00
4	4	0.2	-0.8	2	0.53	0.64	0.15	0.41	0.63	0.20
4	20	0.2	-0.8	2	0.99	1.00	0.07	0.96	1.00	0.05
4	200	0.2	-0.8	2	1.00	1.00	0.03	1.00	1.00	0.02
4	1000	0.2	-0.8	2	1.00	1.00	0.01	1.00	1.00	0.01
20	4	0.2	-0.8	2	0.34	1.00	0.10	0.39	1.00	0.05

20	20	0.2	-0.8	2	0.82	1.00	0.04	0.94	1.00	0.01
20	200	0.2	-0.8	2	1.00	1.00	0.01	1.00	1.00	0.01
20	1000	0.2	-0.8	2	1.00	1.00	0.68	1.00	1.00	0.28
50	4	0.2	-0.8	2	0.23	1.00	0.08	0.26	1.00	0.03
50	20	0.2	-0.8	2	0.63	1.00	0.03	0.77	1.00	0.02
50	200	0.2	-0.8	2	1.00	1.00	0.33	1.00	1.00	0.08
50	1000	0.2	-0.8	2	1.00	1.00	0.99	1.00	1.00	0.64
100	4	0.2	-0.8	2	0.18	1.00	0.06	0.17	1.00	0.04
100	20	0.2	-0.8	2	0.45	1.00	0.01	0.57	1.00	0.01
100	200	0.2	-0.8	2	1.00	1.00	0.87	1.00	1.00	0.47
100	1000	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	0.99
200	4	0.2	-0.8	2	0.14	1.00	0.03	0.10	1.00	0.01
200	20	0.2	-0.8	2	0.29	1.00	0.06	0.33	1.00	0.01
200	200	0.2	-0.8	2	0.93	1.00	0.99	1.00	1.00	1.00
200	1000	0.2	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	2	0.79	0.85	0.35	0.69	0.90	0.33
4	20	0.8	-0.8	2	1.00	1.00	0.24	1.00	1.00	0.22
4	200	0.8	-0.8	2	1.00	1.00	0.39	1.00	1.00	0.42
4	1000	0.8	-0.8	2	1.00	1.00	0.75	1.00	1.00	0.84
20	4	0.8	-0.8	2	0.70	1.00	0.50	0.80	1.00	0.42
20	20	0.8	-0.8	2	0.99	1.00	0.41	1.00	1.00	0.42
20	200	0.8	-0.8	2	1.00	1.00	0.64	1.00	1.00	0.97
20	1000	0.8	-0.8	2	1.00	1.00	0.97	1.00	1.00	1.00
50	4	0.8	-0.8	2	0.54	1.00	0.51	0.79	1.00	0.51
50	20	0.8	-0.8	2	0.91	1.00	0.59	1.00	1.00	0.71
50	200	0.8	-0.8	2	1.00	1.00	0.86	1.00	1.00	1.00
50	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	2	0.59	1.00	0.51	0.79	1.00	0.57
100	20	0.8	-0.8	2	0.79	1.00	0.55	1.00	1.00	0.89
100	200	0.8	-0.8	2	1.00	1.00	0.93	1.00	1.00	1.00
100	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	2	0.51	1.00	0.46	0.71	1.00	0.54
200	20	0.8	-0.8	2	0.65	1.00	0.48	0.99	1.00	0.93
200	200	0.8	-0.8	2	0.99	1.00	0.79	1.00	1.00	1.00
200	1000	0.8	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.0	8	0.11	0.05	0.04	0.10	0.10	0.06
4	20	0.2	0.0	8	0.12	0.05	0.05	0.09	0.05	0.04
4	200	0.2	0.0	8	0.11	0.05	0.08	0.06	0.05	0.05

4	1000	0.2	0.0	8	0.11	0.02	0.05	0.08	0.05	0.04
20	4	0.2	0.0	8	0.13	0.07	0.04	0.07	0.06	0.01
20	20	0.2	0.0	8	0.13	0.02	0.06	0.10	0.03	0.04
20	200	0.2	0.0	8	0.18	0.05	0.11	0.13	0.04	0.08
20	1000	0.2	0.0	8	0.13	0.05	0.08	0.10	0.06	0.04
50	4	0.2	0.0	8	0.07	0.07	0.06	0.04	0.06	0.05
50	20	0.2	0.0	8	0.10	0.05	0.11	0.05	0.06	0.08
50	200	0.2	0.0	8	0.11	0.05	0.14	0.06	0.04	0.06
50	1000	0.2	0.0	8	0.08	0.04	0.10	0.04	0.05	0.05
100	4	0.2	0.0	8	0.05	0.06	0.05	0.02	0.10	0.03
100	20	0.2	0.0	8	0.12	0.05	0.13	0.07	0.06	0.05
100	200	0.2	0.0	8	0.08	0.05	0.12	0.05	0.02	0.05
100	1000	0.2	0.0	8	0.09	0.04	0.13	0.05	0.04	0.06
200	4	0.2	0.0	8	0.13	0.05	0.10	0.04	0.05	0.04
200	20	0.2	0.0	8	0.08	0.04	0.09	0.05	0.03	0.05
200	200	0.2	0.0	8	0.09	0.06	0.09	0.02	0.06	0.04
200	1000	0.2	0.0	8	0.11	0.04	0.11	0.07	0.04	0.07
4	4	0.8	0.0	8	0.16	0.08	0.34	0.14	0.11	0.31
4	20	0.8	0.0	8	0.13	0.02	0.19	0.10	0.05	0.16
4	200	0.8	0.0	8	0.18	0.06	0.19	0.12	0.06	0.14
4	1000	0.8	0.0	8	0.17	0.07	0.24	0.09	0.07	0.23
20	4	0.8	0.0	8	0.41	0.06	0.37	0.21	0.05	0.27
20	20	0.8	0.0	8	0.40	0.06	0.26	0.18	0.05	0.21
20	200	0.8	0.0	8	0.32	0.07	0.50	0.17	0.07	0.23
20	1000	0.8	0.0	8	0.40	0.03	0.46	0.21	0.04	0.31
50	4	0.8	0.0	8	0.50	0.07	0.42	0.19	0.06	0.20
50	20	0.8	0.0	8	0.47	0.07	0.28	0.27	0.07	0.13
50	200	0.8	0.0	8	0.45	0.06	0.55	0.24	0.06	0.24
50	1000	0.8	0.0	8	0.52	0.07	0.50	0.25	0.05	0.23
100	4	0.8	0.0	8	0.54	0.05	0.28	0.22	0.07	0.09
100	20	0.8	0.0	8	0.46	0.04	0.48	0.22	0.04	0.14
100	200	0.8	0.0	8	0.51	0.03	0.52	0.23	0.03	0.19
100	1000	0.8	0.0	8	0.54	0.06	0.46	0.28	0.06	0.18
200	4	0.8	0.0	8	0.54	0.05	0.37	0.21	0.05	0.07
200	20	0.8	0.0	8	0.59	0.07	0.51	0.22	0.07	0.05
200	200	0.8	0.0	8	0.48	0.06	0.53	0.25	0.06	0.14
200	1000	0.8	0.0	8	0.41	0.05	0.48	0.20	0.05	0.14
4	4	0.2	0.2	8	0.13	0.08	0.08	0.10	0.11	0.08

4	20	0.2	0.2	8	0.31	0.33	0.05	0.24	0.31	0.03
4	200	0.2	0.2	8	0.94	0.99	0.06	0.87	0.97	0.05
4	1000	0.2	0.2	8	1.00	1.00	0.14	1.00	1.00	0.11
20	4	0.2	0.2	8	0.18	0.31	0.06	0.16	0.24	0.05
20	20	0.2	0.2	8	0.30	0.93	0.07	0.32	0.81	0.05
20	200	0.2	0.2	8	0.97	1.00	0.17	1.00	1.00	0.12
20	1000	0.2	0.2	8	1.00	1.00	0.27	1.00	1.00	0.24
50	4	0.2	0.2	8	0.19	0.64	0.04	0.15	0.51	0.03
50	20	0.2	0.2	8	0.28	1.00	0.10	0.29	1.00	0.05
50	200	0.2	0.2	8	0.93	1.00	0.21	1.00	1.00	0.13
50	1000	0.2	0.2	8	1.00	1.00	0.44	1.00	1.00	0.44
100	4	0.2	0.2	8	0.12	0.95	0.12	0.08	0.84	0.07
100	20	0.2	0.2	8	0.25	1.00	0.11	0.28	1.00	0.06
100	200	0.2	0.2	8	0.91	1.00	0.30	1.00	1.00	0.25
100	1000	0.2	0.2	8	1.00	1.00	0.72	1.00	1.00	0.77
200	4	0.2	0.2	8	0.12	1.00	0.10	0.06	0.99	0.04
200	20	0.2	0.2	8	0.16	1.00	0.15	0.15	1.00	0.11
200	200	0.2	0.2	8	0.77	1.00	0.41	0.92	1.00	0.39
200	1000	0.2	0.2	8	1.00	1.00	0.92	1.00	1.00	0.97
4	4	0.8	0.2	8	0.23	0.09	0.30	0.19	0.14	0.32
4	20	0.8	0.2	8	0.48	0.35	0.18	0.39	0.39	0.20
4	200	0.8	0.2	8	1.00	1.00	0.25	0.99	1.00	0.24
4	1000	0.8	0.2	8	1.00	1.00	0.35	1.00	1.00	0.40
20	4	0.8	0.2	8	0.44	0.46	0.42	0.39	0.41	0.25
20	20	0.8	0.2	8	0.67	1.00	0.33	0.81	1.00	0.23
20	200	0.8	0.2	8	1.00	1.00	0.58	1.00	1.00	0.44
20	1000	0.8	0.2	8	1.00	1.00	0.69	1.00	1.00	0.76
50	4	0.8	0.2	8	0.50	0.84	0.38	0.51	0.83	0.27
50	20	0.8	0.2	8	0.67	1.00	0.35	0.90	1.00	0.28
50	200	0.8	0.2	8	1.00	1.00	0.62	1.00	1.00	0.71
50	1000	0.8	0.2	8	1.00	1.00	0.82	1.00	1.00	1.00
100	4	0.8	0.2	8	0.53	0.99	0.39	0.62	0.99	0.28
100	20	0.8	0.2	8	0.66	1.00	0.54	0.94	1.00	0.38
100	200	0.8	0.2	8	1.00	1.00	0.68	1.00	1.00	0.93
100	1000	0.8	0.2	8	1.00	1.00	0.94	1.00	1.00	1.00
200	4	0.8	0.2	8	0.48	1.00	0.34	0.67	1.00	0.25
200	20	0.8	0.2	8	0.63	1.00	0.49	0.93	1.00	0.43
200	200	0.8	0.2	8	0.95	1.00	0.75	1.00	1.00	1.00

200	1000	0.8	0.2	8	1.00	1.00	0.99	1.00	1.00	1.00
4	4	0.2	0.5	8	0.27	0.26	0.13	0.20	0.32	0.15
4	20	0.2	0.5	8	0.77	0.86	0.08	0.63	0.84	0.07
4	200	0.2	0.5	8	1.00	1.00	0.12	1.00	1.00	0.08
4	1000	0.2	0.5	8	1.00	1.00	0.26	1.00	1.00	0.26
20	4	0.2	0.5	8	0.36	0.96	0.05	0.39	0.86	0.04
20	20	0.2	0.5	8	0.85	1.00	0.14	0.91	1.00	0.09
20	200	0.2	0.5	8	1.00	1.00	0.29	1.00	1.00	0.25
20	1000	0.2	0.5	8	1.00	1.00	0.70	1.00	1.00	0.77
50	4	0.2	0.5	8	0.31	1.00	0.10	0.39	1.00	0.07
50	20	0.2	0.5	8	0.79	1.00	0.13	0.92	1.00	0.07
50	200	0.2	0.5	8	1.00	1.00	0.49	1.00	1.00	0.49
50	1000	0.2	0.5	8	1.00	1.00	0.98	1.00	1.00	0.99
100	4	0.2	0.5	8	0.33	1.00	0.14	0.36	1.00	0.10
100	20	0.2	0.5	8	0.72	1.00	0.23	0.85	1.00	0.18
100	200	0.2	0.5	8	1.00	1.00	0.73	1.00	1.00	0.77
100	1000	0.2	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.5	8	0.24	1.00	0.12	0.25	1.00	0.09
200	20	0.2	0.5	8	0.53	1.00	0.32	0.73	1.00	0.27
200	200	0.2	0.5	8	1.00	1.00	0.91	1.00	1.00	0.97
200	1000	0.2	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.5	8	0.47	0.43	0.32	0.38	0.48	0.28
4	20	0.8	0.5	8	0.96	0.98	0.22	0.95	0.98	0.23
4	200	0.8	0.5	8	1.00	1.00	0.38	1.00	1.00	0.33
4	1000	0.8	0.5	8	1.00	1.00	0.73	1.00	1.00	0.79
20	4	0.8	0.5	8	0.67	1.00	0.42	0.83	0.99	0.32
20	20	0.8	0.5	8	0.98	1.00	0.38	1.00	1.00	0.36
20	200	0.8	0.5	8	1.00	1.00	0.68	1.00	1.00	0.81
20	1000	0.8	0.5	8	1.00	1.00	0.98	1.00	1.00	1.00
50	4	0.8	0.5	8	0.69	1.00	0.41	0.92	1.00	0.40
50	20	0.8	0.5	8	0.95	1.00	0.43	1.00	1.00	0.50
50	200	0.8	0.5	8	1.00	1.00	0.86	1.00	1.00	1.00
50	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.5	8	0.68	1.00	0.39	0.99	1.00	0.42
100	20	0.8	0.5	8	0.93	1.00	0.60	1.00	1.00	0.84
100	200	0.8	0.5	8	1.00	1.00	0.90	1.00	1.00	1.00
100	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.5	8	0.60	1.00	0.42	0.98	1.00	0.59

200	20	0.8	0.5	8	0.86	1.00	0.68	1.00	1.00	0.98
200	200	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	0.8	8	0.51	0.57	0.07	0.34	0.51	0.09
4	20	0.2	0.8	8	0.97	1.00	0.05	0.92	1.00	0.03
4	200	0.2	0.8	8	1.00	1.00	0.19	1.00	1.00	0.15
4	1000	0.2	0.8	8	1.00	1.00	0.39	1.00	1.00	0.38
20	4	0.2	0.8	8	0.55	1.00	0.10	0.66	1.00	0.09
20	20	0.2	0.8	8	0.98	1.00	0.11	1.00	1.00	0.08
20	200	0.2	0.8	8	1.00	1.00	0.45	1.00	1.00	0.44
20	1000	0.2	0.8	8	1.00	1.00	0.95	1.00	1.00	0.98
50	4	0.2	0.8	8	0.42	1.00	0.13	0.54	1.00	0.08
50	20	0.2	0.8	8	0.97	1.00	0.16	1.00	1.00	0.13
50	200	0.2	0.8	8	1.00	1.00	0.72	1.00	1.00	0.79
50	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	0.8	8	0.39	1.00	0.15	0.53	1.00	0.11
100	20	0.2	0.8	8	0.92	1.00	0.24	1.00	1.00	0.20
100	200	0.2	0.8	8	1.00	1.00	0.90	1.00	1.00	0.95
100	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	0.8	8	0.30	1.00	0.17	0.36	1.00	0.13
200	20	0.2	0.8	8	0.79	1.00	0.40	0.94	1.00	0.37
200	200	0.2	0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
200	1000	0.2	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	0.8	8	0.72	0.72	0.36	0.58	0.70	0.35
4	20	0.8	0.8	8	1.00	1.00	0.28	1.00	1.00	0.24
4	200	0.8	0.8	8	1.00	1.00	0.43	1.00	1.00	0.45
4	1000	0.8	0.8	8	1.00	1.00	0.89	1.00	1.00	0.89
20	4	0.8	0.8	8	0.87	1.00	0.48	0.99	1.00	0.35
20	20	0.8	0.8	8	1.00	1.00	0.47	1.00	1.00	0.40
20	200	0.8	0.8	8	1.00	1.00	0.81	1.00	1.00	0.93
20	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.8	0.8	8	0.82	1.00	0.49	0.99	1.00	0.48
50	20	0.8	0.8	8	0.99	1.00	0.54	1.00	1.00	0.71
50	200	0.8	0.8	8	1.00	1.00	0.95	1.00	1.00	1.00
50	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	0.8	8	0.82	1.00	0.42	0.99	1.00	0.60
100	20	0.8	0.8	8	0.99	1.00	0.69	1.00	1.00	0.95
100	200	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00

100	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	0.8	8	0.66	1.00	0.54	1.00	1.00	0.83
200	20	0.8	0.8	8	0.97	1.00	0.76	1.00	1.00	1.00
200	200	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.2	8	0.15	0.09	0.03	0.13	0.15	0.04
4	20	0.2	-0.2	8	0.32	0.26	0.04	0.25	0.25	0.03
4	200	0.2	-0.2	8	0.96	1.00	0.06	0.87	0.99	0.03
4	1000	0.2	-0.2	8	1.00	1.00	0.13	1.00	1.00	0.11
20	4	0.2	-0.2	8	0.16	0.31	0.08	0.13	0.23	0.04
20	20	0.2	-0.2	8	0.35	0.91	0.13	0.36	0.82	0.06
20	200	0.2	-0.2	8	0.97	1.00	0.13	0.99	1.00	0.08
20	1000	0.2	-0.2	8	1.00	1.00	0.25	1.00	1.00	0.21
50	4	0.2	-0.2	8	0.11	0.67	0.08	0.09	0.54	0.01
50	20	0.2	-0.2	8	0.29	1.00	0.14	0.29	1.00	0.07
50	200	0.2	-0.2	8	0.94	1.00	0.16	0.98	1.00	0.11
50	1000	0.2	-0.2	8	1.00	1.00	0.58	1.00	1.00	0.58
100	4	0.2	-0.2	8	0.17	0.90	0.05	0.14	0.80	0.01
100	20	0.2	-0.2	8	0.27	1.00	0.13	0.30	1.00	0.06
100	200	0.2	-0.2	8	0.91	1.00	0.26	0.98	1.00	0.23
100	1000	0.2	-0.2	8	1.00	1.00	0.67	1.00	1.00	0.73
200	4	0.2	-0.2	8	0.12	1.00	0.09	0.09	0.98	0.04
200	20	0.2	-0.2	8	0.22	1.00	0.13	0.22	1.00	0.09
200	200	0.2	-0.2	8	0.79	1.00	0.42	0.95	1.00	0.40
200	1000	0.2	-0.2	8	1.00	1.00	0.88	1.00	1.00	0.95
4	4	0.8	-0.2	8	0.28	0.15	0.28	0.20	0.20	0.28
4	20	0.8	-0.2	8	0.51	0.39	0.17	0.44	0.41	0.14
4	200	0.8	-0.2	8	1.00	1.00	0.12	0.99	1.00	0.09
4	1000	0.8	-0.2	8	1.00	1.00	0.42	1.00	1.00	0.46
20	4	0.8	-0.2	8	0.42	0.46	0.35	0.41	0.44	0.21
20	20	0.8	-0.2	8	0.64	1.00	0.27	0.77	1.00	0.12
20	200	0.8	-0.2	8	1.00	1.00	0.48	1.00	1.00	0.29
20	1000	0.8	-0.2	8	1.00	1.00	0.66	1.00	1.00	0.79
50	4	0.8	-0.2	8	0.55	0.85	0.37	0.55	0.84	0.16
50	20	0.8	-0.2	8	0.64	1.00	0.28	0.85	1.00	0.06
50	200	0.8	-0.2	8	0.99	1.00	0.65	1.00	1.00	0.62
50	1000	0.8	-0.2	8	1.00	1.00	0.85	1.00	1.00	1.00
100	4	0.8	-0.2	8	0.54	0.99	0.35	0.60	0.99	0.14

100	20	0.8	-0.2	8	0.72	1.00	0.40	0.94	1.00	0.04
100	200	0.8	-0.2	8	0.99	1.00	0.69	1.00	1.00	0.84
100	1000	0.8	-0.2	8	1.00	1.00	0.94	1.00	1.00	1.00
200	4	0.8	-0.2	8	0.48	1.00	0.24	0.60	1.00	0.09
200	20	0.8	-0.2	8	0.65	1.00	0.56	0.97	1.00	0.04
200	200	0.8	-0.2	8	0.96	1.00	0.74	1.00	1.00	0.97
200	1000	0.8	-0.2	8	1.00	1.00	0.99	1.00	1.00	1.00
4	4	0.2	-0.5	8	0.28	0.25	0.05	0.23	0.28	0.08
4	20	0.2	-0.5	8	0.80	0.86	0.05	0.68	0.82	0.03
4	200	0.2	-0.5	8	1.00	1.00	0.14	1.00	1.00	0.10
4	1000	0.2	-0.5	8	1.00	1.00	0.32	1.00	1.00	0.29
20	4	0.2	-0.5	8	0.37	0.96	0.04	0.39	0.90	0.02
20	20	0.2	-0.5	8	0.84	1.00	0.05	0.90	1.00	0.02
20	200	0.2	-0.5	8	1.00	1.00	0.27	1.00	1.00	0.24
20	1000	0.2	-0.5	8	1.00	1.00	0.73	1.00	1.00	0.79
50	4	0.2	-0.5	8	0.25	1.00	0.07	0.34	1.00	0.03
50	20	0.2	-0.5	8	0.80	1.00	0.19	0.93	1.00	0.12
50	200	0.2	-0.5	8	1.00	1.00	0.51	1.00	1.00	0.54
50	1000	0.2	-0.5	8	1.00	1.00	0.94	1.00	1.00	0.99
100	4	0.2	-0.5	8	0.30	1.00	0.08	0.36	1.00	0.04
100	20	0.2	-0.5	8	0.68	1.00	0.20	0.84	1.00	0.14
100	200	0.2	-0.5	8	1.00	1.00	0.71	1.00	1.00	0.77
100	1000	0.2	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.5	8	0.20	1.00	0.05	0.20	1.00	0.02
200	20	0.2	-0.5	8	0.54	1.00	0.24	0.68	1.00	0.22
200	200	0.2	-0.5	8	1.00	1.00	0.93	1.00	1.00	0.98
200	1000	0.2	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.5	8	0.47	0.37	0.23	0.36	0.44	0.21
4	20	0.8	-0.5	8	0.95	0.98	0.12	0.93	0.98	0.12
4	200	0.8	-0.5	8	1.00	1.00	0.06	1.00	1.00	0.03
4	1000	0.8	-0.5	8	1.00	1.00	0.77	1.00	1.00	0.68
20	4	0.8	-0.5	8	0.68	0.99	0.35	0.85	1.00	0.25
20	20	0.8	-0.5	8	0.99	1.00	0.21	1.00	1.00	0.20
20	200	0.8	-0.5	8	1.00	1.00	0.56	1.00	1.00	0.19
20	1000	0.8	-0.5	8	1.00	1.00	0.94	1.00	1.00	0.73
50	4	0.8	-0.5	8	0.67	1.00	0.35	0.97	1.00	0.20
50	20	0.8	-0.5	8	0.96	1.00	0.25	1.00	1.00	0.16
50	200	0.8	-0.5	8	1.00	1.00	0.85	1.00	1.00	0.27

50	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	0.28
100	4	0.8	-0.5	8	0.70	1.00	0.37	0.96	1.00	0.32
100	20	0.8	-0.5	8	0.93	1.00	0.37	1.00	1.00	0.23
100	200	0.8	-0.5	8	1.00	1.00	0.97	1.00	1.00	0.43
100	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	0.88
200	4	0.8	-0.5	8	0.63	1.00	0.25	0.97	1.00	0.38
200	20	0.8	-0.5	8	0.84	1.00	0.49	1.00	1.00	0.43
200	200	0.8	-0.5	8	1.00	1.00	0.99	1.00	1.00	0.85
200	1000	0.8	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.2	-0.8	8	0.46	0.53	0.07	0.39	0.49	0.08
4	20	0.2	-0.8	8	0.96	0.99	0.01	0.91	0.98	0.01
4	200	0.2	-0.8	8	1.00	1.00	0.19	1.00	1.00	0.14
4	1000	0.2	-0.8	8	1.00	1.00	0.35	1.00	1.00	0.35
20	4	0.2	-0.8	8	0.50	1.00	0.06	0.61	1.00	0.04
20	20	0.2	-0.8	8	0.98	1.00	0.05	1.00	1.00	0.02
20	200	0.2	-0.8	8	1.00	1.00	0.43	1.00	1.00	0.40
20	1000	0.2	-0.8	8	1.00	1.00	0.94	1.00	1.00	0.97
50	4	0.2	-0.8	8	0.49	1.00	0.04	0.62	1.00	0.03
50	20	0.2	-0.8	8	0.95	1.00	0.13	0.99	1.00	0.07
50	200	0.2	-0.8	8	1.00	1.00	0.73	1.00	1.00	0.79
50	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.2	-0.8	8	0.43	1.00	0.06	0.56	1.00	0.03
100	20	0.2	-0.8	8	0.91	1.00	0.24	0.98	1.00	0.21
100	200	0.2	-0.8	8	1.00	1.00	0.94	1.00	1.00	0.97
100	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.2	-0.8	8	0.31	1.00	0.08	0.41	1.00	0.03
200	20	0.2	-0.8	8	0.83	1.00	0.37	0.97	1.00	0.38
200	200	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.2	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.8	-0.8	8	0.73	0.74	0.31	0.67	0.77	0.31
4	20	0.8	-0.8	8	1.00	1.00	0.19	1.00	1.00	0.15
4	200	0.8	-0.8	8	1.00	1.00	0.06	1.00	1.00	0.09
4	1000	0.8	-0.8	8	1.00	1.00	0.67	1.00	1.00	0.39
20	4	0.8	-0.8	8	0.87	1.00	0.40	0.98	1.00	0.30
20	20	0.8	-0.8	8	1.00	1.00	0.29	1.00	1.00	0.21
20	200	0.8	-0.8	8	1.00	1.00	0.52	1.00	1.00	0.23
20	1000	0.8	-0.8	8	1.00	1.00	0.98	1.00	1.00	0.36
50	4	0.8	-0.8	8	0.80	1.00	0.34	0.99	1.00	0.32

50	20	0.8	-0.8	8	1.00	1.00	0.21	1.00	1.00	0.35
50	200	0.8	-0.8	8	1.00	1.00	0.80	1.00	1.00	0.75
50	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.8	-0.8	8	0.80	1.00	0.32	0.99	1.00	0.46
100	20	0.8	-0.8	8	0.99	1.00	0.27	1.00	1.00	0.59
100	200	0.8	-0.8	8	1.00	1.00	0.94	1.00	1.00	1.00
100	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.8	-0.8	8	0.72	1.00	0.33	1.00	1.00	0.60
200	20	0.8	-0.8	8	0.95	1.00	0.44	1.00	1.00	0.84
200	200	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.8	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.0	1	0.09	0.04	0.07	0.09	0.04	0.09
4	20	0	0.0	1	0.07	0.01	0.06	0.08	0.02	0.06
4	200	0	0.0	1	0.07	0.02	0.02	0.05	0.02	0.02
4	1000	0	0.0	1	0.10	0.01	0.02	0.06	0.01	0.02
20	4	0	0.0	1	0.05	0.01	0.03	0.06	0.00	0.03
20	20	0	0.0	1	0.05	0.01	0.02	0.06	0.00	0.03
20	200	0	0.0	1	0.03	0.00	0.03	0.03	0.00	0.03
20	1000	0	0.0	1	0.06	0.00	0.09	0.07	0.00	0.09
50	4	0	0.0	1	0.02	0.01	0.05	0.04	0.01	0.07
50	20	0	0.0	1	0.07	0.00	0.02	0.07	0.00	0.03
50	200	0	0.0	1	0.03	0.01	0.03	0.03	0.00	0.03
50	1000	0	0.0	1	0.02	0.00	0.05	0.03	0.00	0.05
100	4	0	0.0	1	0.06	0.01	0.01	0.06	0.00	0.01
100	20	0	0.0	1	0.06	0.01	0.03	0.06	0.00	0.03
100	200	0	0.0	1	0.05	0.02	0.08	0.05	0.00	0.07
100	1000	0	0.0	1	0.04	0.00	0.04	0.04	0.00	0.04
200	4	0	0.0	1	0.06	0.01	0.03	0.06	0.00	0.02
200	20	0	0.0	1	0.05	0.00	0.03	0.05	0.00	0.04
200	200	0	0.0	1	0.05	0.00	0.04	0.05	0.00	0.04
200	1000	0	0.0	1	0.05	0.00	0.06	0.06	0.00	0.06
4	4	0.5	0.0	1	0.14	0.03	0.16	0.13	0.07	0.14
4	20	0.5	0.0	1	0.19	0.04	0.10	0.15	0.08	0.06
4	200	0.5	0.0	1	0.15	0.02	0.13	0.10	0.03	0.07
4	1000	0.5	0.0	1	0.16	0.02	0.11	0.08	0.04	0.09
20	4	0.5	0.0	1	0.28	0.03	0.27	0.19	0.03	0.10
20	20	0.5	0.0	1	0.25	0.03	0.17	0.15	0.02	0.07
20	200	0.5	0.0	1	0.28	0.01	0.12	0.18	0.01	0.03

20	1000	0.5	0.0	1	0.20	0.00	0.13	0.12	0.00	0.03
50	4	0.5	0.0	1	0.30	0.00	0.25	0.13	0.01	0.09
50	20	0.5	0.0	1	0.27	0.00	0.21	0.12	0.00	0.05
50	200	0.5	0.0	1	0.25	0.01	0.16	0.13	0.01	0.06
50	1000	0.5	0.0	1	0.25	0.01	0.25	0.11	0.01	0.08
100	4	0.5	0.0	1	0.24	0.01	0.22	0.07	0.00	0.06
100	20	0.5	0.0	1	0.30	0.00	0.15	0.10	0.00	0.03
100	200	0.5	0.0	1	0.24	0.02	0.24	0.09	0.00	0.04
100	1000	0.5	0.0	1	0.27	0.00	0.22	0.10	0.00	0.06
200	4	0.5	0.0	1	0.23	0.00	0.14	0.05	0.00	0.03
200	20	0.5	0.0	1	0.32	0.01	0.16	0.06	0.01	0.04
200	200	0.5	0.0	1	0.27	0.00	0.30	0.12	0.00	0.10
200	1000	0.5	0.0	1	0.23	0.00	0.22	0.06	0.00	0.04
4	4	0	0.2	1	0.12	0.07	0.08	0.09	0.10	0.12
4	20	0	0.2	1	0.23	0.32	0.02	0.16	0.22	0.04
4	200	0	0.2	1	0.90	1.00	0.05	0.83	0.99	0.05
4	1000	0	0.2	1	1.00	1.00	0.09	1.00	1.00	0.08
20	4	0	0.2	1	0.07	0.39	0.02	0.06	0.11	0.03
20	20	0	0.2	1	0.11	0.98	0.03	0.10	0.81	0.03
20	200	0	0.2	1	0.49	1.00	0.09	0.45	1.00	0.09
20	1000	0	0.2	1	1.00	1.00	0.38	0.98	1.00	0.38
50	4	0	0.2	1	0.04	0.88	0.05	0.05	0.39	0.03
50	20	0	0.2	1	0.08	1.00	0.05	0.08	1.00	0.05
50	200	0	0.2	1	0.20	1.00	0.11	0.19	1.00	0.10
50	1000	0	0.2	1	0.84	1.00	0.74	0.82	1.00	0.74
100	4	0	0.2	1	0.06	1.00	0.03	0.08	0.83	0.03
100	20	0	0.2	1	0.04	1.00	0.06	0.04	1.00	0.05
100	200	0	0.2	1	0.19	1.00	0.27	0.19	1.00	0.27
100	1000	0	0.2	1	0.62	1.00	0.81	0.61	1.00	0.81
200	4	0	0.2	1	0.05	1.00	0.05	0.05	1.00	0.05
200	20	0	0.2	1	0.07	1.00	0.07	0.07	1.00	0.07
200	200	0	0.2	1	0.10	1.00	0.23	0.10	1.00	0.23
200	1000	0	0.2	1	0.29	1.00	0.79	0.28	1.00	0.79
4	4	0.5	0.2	1	0.19	0.09	0.22	0.15	0.17	0.22
4	20	0.5	0.2	1	0.44	0.45	0.16	0.32	0.42	0.14
4	200	0.5	0.2	1	0.98	1.00	0.18	0.98	1.00	0.10
4	1000	0.5	0.2	1	1.00	1.00	0.33	1.00	1.00	0.31
20	4	0.5	0.2	1	0.28	0.61	0.30	0.19	0.48	0.17

20	20	0.5	0.2	1	0.35	1.00	0.14	0.34	1.00	0.08
20	200	0.5	0.2	1	0.79	1.00	0.34	0.96	1.00	0.33
20	1000	0.5	0.2	1	1.00	1.00	0.75	1.00	1.00	0.90
50	4	0.5	0.2	1	0.25	0.98	0.21	0.12	0.88	0.10
50	20	0.5	0.2	1	0.36	1.00	0.26	0.25	1.00	0.13
50	200	0.5	0.2	1	0.57	1.00	0.49	0.89	1.00	0.60
50	1000	0.5	0.2	1	0.94	1.00	0.95	1.00	1.00	1.00
100	4	0.5	0.2	1	0.26	1.00	0.19	0.12	1.00	0.08
100	20	0.5	0.2	1	0.23	1.00	0.24	0.14	1.00	0.15
100	200	0.5	0.2	1	0.49	1.00	0.62	0.74	1.00	0.69
100	1000	0.5	0.2	1	0.84	1.00	0.98	1.00	1.00	1.00
200	4	0.5	0.2	1	0.30	1.00	0.26	0.10	1.00	0.13
200	20	0.5	0.2	1	0.24	1.00	0.19	0.11	1.00	0.12
200	200	0.5	0.2	1	0.37	1.00	0.54	0.46	1.00	0.58
200	1000	0.5	0.2	1	0.65	1.00	0.95	0.99	1.00	1.00
4	4	0	0.5	1	0.23	0.25	0.04	0.15	0.28	0.08
4	20	0	0.5	1	0.61	0.98	0.03	0.49	0.83	0.04
4	200	0	0.5	1	1.00	1.00	0.11	1.00	1.00	0.11
4	1000	0	0.5	1	1.00	1.00	0.36	1.00	1.00	0.36
20	4	0	0.5	1	0.08	1.00	0.05	0.07	0.89	0.07
20	20	0	0.5	1	0.29	1.00	0.07	0.27	1.00	0.07
20	200	0	0.5	1	1.00	1.00	0.37	0.99	1.00	0.37
20	1000	0	0.5	1	1.00	1.00	0.95	1.00	1.00	0.95
50	4	0	0.5	1	0.08	1.00	0.05	0.08	1.00	0.05
50	20	0	0.5	1	0.16	1.00	0.09	0.16	1.00	0.08
50	200	0	0.5	1	0.82	1.00	0.65	0.80	1.00	0.65
50	1000	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.5	1	0.05	1.00	0.04	0.05	1.00	0.04
100	20	0	0.5	1	0.06	1.00	0.10	0.07	1.00	0.09
100	200	0	0.5	1	0.57	1.00	0.78	0.56	1.00	0.78
100	1000	0	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.5	1	0.05	1.00	0.06	0.05	1.00	0.06
200	20	0	0.5	1	0.08	1.00	0.14	0.08	1.00	0.14
200	200	0	0.5	1	0.36	1.00	0.78	0.36	1.00	0.78
200	1000	0	0.5	1	0.94	1.00	1.00	0.93	1.00	1.00
4	4	0.5	0.5	1	0.37	0.47	0.20	0.30	0.65	0.21
4	20	0.5	0.5	1	0.87	1.00	0.15	0.79	0.99	0.10
4	200	0.5	0.5	1	1.00	1.00	0.33	1.00	1.00	0.31

4	1000	0.5	0.5	1	1.00	1.00	0.71	1.00	1.00	0.75
20	4	0.5	0.5	1	0.37	1.00	0.26	0.36	1.00	0.15
20	20	0.5	0.5	1	0.60	1.00	0.29	0.75	1.00	0.23
20	200	0.5	0.5	1	1.00	1.00	0.66	1.00	1.00	0.82
20	1000	0.5	0.5	1	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.5	0.5	1	0.31	1.00	0.22	0.21	1.00	0.12
50	20	0.5	0.5	1	0.40	1.00	0.37	0.61	1.00	0.36
50	200	0.5	0.5	1	0.96	1.00	0.88	1.00	1.00	1.00
50	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.5	1	0.26	1.00	0.27	0.13	1.00	0.11
100	20	0.5	0.5	1	0.39	1.00	0.42	0.51	1.00	0.39
100	200	0.5	0.5	1	0.81	1.00	0.93	0.99	1.00	1.00
100	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	1	0.27	1.00	0.22	0.09	1.00	0.09
200	20	0.5	0.5	1	0.25	1.00	0.41	0.27	1.00	0.37
200	200	0.5	0.5	1	0.71	1.00	0.94	0.99	1.00	1.00
200	1000	0.5	0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	1	0.33	0.46	0.06	0.23	0.49	0.14
4	20	0	0.8	1	0.91	1.00	0.06	0.82	0.99	0.06
4	200	0	0.8	1	1.00	1.00	0.15	1.00	1.00	0.15
4	1000	0	0.8	1	1.00	1.00	0.51	1.00	1.00	0.51
20	4	0	0.8	1	0.12	1.00	0.04	0.14	1.00	0.05
20	20	0	0.8	1	0.52	1.00	0.12	0.48	1.00	0.12
20	200	0	0.8	1	1.00	1.00	0.47	1.00	1.00	0.47
20	1000	0	0.8	1	1.00	1.00	0.99	1.00	1.00	0.99
50	4	0	0.8	1	0.10	1.00	0.05	0.09	1.00	0.04
50	20	0	0.8	1	0.27	1.00	0.16	0.26	1.00	0.16
50	200	0	0.8	1	0.99	1.00	0.80	0.98	1.00	0.81
50	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	1	0.06	1.00	0.07	0.06	1.00	0.06
100	20	0	0.8	1	0.16	1.00	0.24	0.16	1.00	0.25
100	200	0	0.8	1	0.85	1.00	0.93	0.83	1.00	0.93
100	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	1	0.07	1.00	0.06	0.06	1.00	0.05
200	20	0	0.8	1	0.14	1.00	0.22	0.14	1.00	0.22
200	200	0	0.8	1	0.58	1.00	0.94	0.58	1.00	0.94
200	1000	0	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	1	0.57	0.86	0.19	0.49	0.94	0.19

4	20	0.5	0.8	1	0.98	1.00	0.17	0.96	1.00	0.11
4	200	0.5	0.8	1	1.00	1.00	0.41	1.00	1.00	0.41
4	1000	0.5	0.8	1	1.00	1.00	0.84	1.00	1.00	0.87
20	4	0.5	0.8	1	0.39	1.00	0.21	0.52	1.00	0.11
20	20	0.5	0.8	1	0.80	1.00	0.24	0.93	1.00	0.27
20	200	0.5	0.8	1	1.00	1.00	0.78	1.00	1.00	0.90
20	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	0.8	1	0.35	1.00	0.27	0.38	1.00	0.21
50	20	0.5	0.8	1	0.62	1.00	0.35	0.83	1.00	0.39
50	200	0.5	0.8	1	1.00	1.00	0.95	1.00	1.00	1.00
50	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	1	0.27	1.00	0.26	0.23	1.00	0.19
100	20	0.5	0.8	1	0.49	1.00	0.48	0.70	1.00	0.58
100	200	0.5	0.8	1	0.97	1.00	1.00	1.00	1.00	1.00
100	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	1	0.28	1.00	0.27	0.12	1.00	0.16
200	20	0.5	0.8	1	0.39	1.00	0.49	0.49	1.00	0.58
200	200	0.5	0.8	1	0.86	1.00	0.99	1.00	1.00	1.00
200	1000	0.5	0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	1	0.14	0.06	0.03	0.13	0.11	0.07
4	20	0	-0.2	1	0.24	0.29	0.05	0.17	0.22	0.06
4	200	0	-0.2	1	0.94	1.00	0.01	0.87	1.00	0.01
4	1000	0	-0.2	1	1.00	1.00	0.00	1.00	1.00	0.00
20	4	0	-0.2	1	0.06	0.33	0.04	0.05	0.09	0.05
20	20	0	-0.2	1	0.12	1.00	0.03	0.11	0.87	0.04
20	200	0	-0.2	1	0.55	1.00	0.00	0.48	1.00	0.00
20	1000	0	-0.2	1	0.99	1.00	0.19	0.98	1.00	0.20
50	4	0	-0.2	1	0.05	0.90	0.05	0.06	0.40	0.04
50	20	0	-0.2	1	0.06	1.00	0.01	0.06	1.00	0.02
50	200	0	-0.2	1	0.26	1.00	0.01	0.25	1.00	0.01
50	1000	0	-0.2	1	0.84	1.00	0.65	0.82	1.00	0.65
100	4	0	-0.2	1	0.05	1.00	0.02	0.07	0.86	0.02
100	20	0	-0.2	1	0.04	1.00	0.01	0.04	1.00	0.01
100	200	0	-0.2	1	0.19	1.00	0.24	0.19	1.00	0.23
100	1000	0	-0.2	1	0.56	1.00	0.81	0.55	1.00	0.81
200	4	0	-0.2	1	0.03	1.00	0.03	0.03	1.00	0.03
200	20	0	-0.2	1	0.07	1.00	0.00	0.07	1.00	0.01
200	200	0	-0.2	1	0.10	1.00	0.22	0.10	1.00	0.22

200	1000	0	-0.2	1	0.41	1.00	0.77	0.41	1.00	0.77
4	4	0.5	-0.2	1	0.22	0.10	0.19	0.17	0.20	0.20
4	20	0.5	-0.2	1	0.39	0.43	0.13	0.32	0.40	0.10
4	200	0.5	-0.2	1	0.99	1.00	0.12	0.98	1.00	0.05
4	1000	0.5	-0.2	1	1.00	1.00	0.06	1.00	1.00	0.06
20	4	0.5	-0.2	1	0.25	0.52	0.22	0.21	0.42	0.10
20	20	0.5	-0.2	1	0.36	1.00	0.23	0.31	1.00	0.10
20	200	0.5	-0.2	1	0.78	1.00	0.11	0.91	1.00	0.10
20	1000	0.5	-0.2	1	1.00	1.00	0.04	1.00	1.00	0.09
50	4	0.5	-0.2	1	0.29	0.97	0.23	0.15	0.92	0.06
50	20	0.5	-0.2	1	0.30	1.00	0.19	0.27	1.00	0.08
50	200	0.5	-0.2	1	0.54	1.00	0.07	0.77	1.00	0.06
50	1000	0.5	-0.2	1	0.97	1.00	0.49	1.00	1.00	0.07
100	4	0.5	-0.2	1	0.26	1.00	0.18	0.12	1.00	0.06
100	20	0.5	-0.2	1	0.31	1.00	0.11	0.16	1.00	0.05
100	200	0.5	-0.2	1	0.45	1.00	0.23	0.67	1.00	0.01
100	1000	0.5	-0.2	1	0.86	1.00	0.98	1.00	1.00	0.33
200	4	0.5	-0.2	1	0.25	1.00	0.13	0.09	1.00	0.03
200	20	0.5	-0.2	1	0.29	1.00	0.08	0.10	1.00	0.01
200	200	0.5	-0.2	1	0.34	1.00	0.57	0.47	1.00	0.61
200	1000	0.5	-0.2	1	0.65	1.00	0.94	0.99	1.00	1.00
4	4	0	-0.5	1	0.21	0.24	0.05	0.15	0.26	0.10
4	20	0	-0.5	1	0.66	0.97	0.05	0.52	0.79	0.06
4	200	0	-0.5	1	1.00	1.00	0.02	1.00	1.00	0.02
4	1000	0	-0.5	1	1.00	1.00	0.01	1.00	1.00	0.01
20	4	0	-0.5	1	0.08	1.00	0.06	0.10	0.83	0.07
20	20	0	-0.5	1	0.27	1.00	0.04	0.27	1.00	0.03
20	200	0	-0.5	1	1.00	1.00	0.02	0.99	1.00	0.02
20	1000	0	-0.5	1	1.00	1.00	0.11	1.00	1.00	0.11
50	4	0	-0.5	1	0.04	1.00	0.03	0.05	1.00	0.03
50	20	0	-0.5	1	0.19	1.00	0.02	0.19	1.00	0.02
50	200	0	-0.5	1	0.85	1.00	0.00	0.83	1.00	0.00
50	1000	0	-0.5	1	1.00	1.00	0.68	1.00	1.00	0.67
100	4	0	-0.5	1	0.05	1.00	0.03	0.06	1.00	0.03
100	20	0	-0.5	1	0.09	1.00	0.01	0.09	1.00	0.01
100	200	0	-0.5	1	0.54	1.00	0.61	0.53	1.00	0.62
100	1000	0	-0.5	1	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	1	0.08	1.00	0.02	0.07	1.00	0.03

200	20	0	-0.5	1	0.06	1.00	0.01	0.06	1.00	0.01
200	200	0	-0.5	1	0.30	1.00	0.71	0.30	1.00	0.71
200	1000	0	-0.5	1	0.93	1.00	1.00	0.93	1.00	1.00
4	4	0.5	-0.5	1	0.38	0.46	0.20	0.31	0.58	0.17
4	20	0.5	-0.5	1	0.88	1.00	0.16	0.83	0.99	0.15
4	200	0.5	-0.5	1	1.00	1.00	0.15	1.00	1.00	0.14
4	1000	0.5	-0.5	1	1.00	1.00	0.26	1.00	1.00	0.31
20	4	0.5	-0.5	1	0.28	1.00	0.23	0.31	1.00	0.10
20	20	0.5	-0.5	1	0.58	1.00	0.21	0.69	1.00	0.14
20	200	0.5	-0.5	1	1.00	1.00	0.24	1.00	1.00	0.37
20	1000	0.5	-0.5	1	1.00	1.00	0.51	1.00	1.00	0.99
50	4	0.5	-0.5	1	0.25	1.00	0.18	0.28	1.00	0.11
50	20	0.5	-0.5	1	0.44	1.00	0.17	0.59	1.00	0.13
50	200	0.5	-0.5	1	0.98	1.00	0.30	1.00	1.00	0.76
50	1000	0.5	-0.5	1	1.00	1.00	0.60	1.00	1.00	1.00
100	4	0.5	-0.5	1	0.29	1.00	0.21	0.17	1.00	0.08
100	20	0.5	-0.5	1	0.36	1.00	0.13	0.47	1.00	0.13
100	200	0.5	-0.5	1	0.84	1.00	0.17	1.00	1.00	0.66
100	1000	0.5	-0.5	1	1.00	1.00	0.29	1.00	1.00	1.00
200	4	0.5	-0.5	1	0.24	1.00	0.13	0.10	1.00	0.04
200	20	0.5	-0.5	1	0.30	1.00	0.04	0.27	1.00	0.02
200	200	0.5	-0.5	1	0.62	1.00	0.92	0.98	1.00	0.15
200	1000	0.5	-0.5	1	0.97	1.00	1.00	1.00	1.00	0.44
4	4	0	-0.8	1	0.37	0.48	0.06	0.23	0.51	0.13
4	20	0	-0.8	1	0.86	1.00	0.03	0.73	0.99	0.04
4	200	0	-0.8	1	1.00	1.00	0.02	1.00	1.00	0.02
4	1000	0	-0.8	1	1.00	1.00	0.01	1.00	1.00	0.02
20	4	0	-0.8	1	0.18	1.00	0.05	0.19	1.00	0.06
20	20	0	-0.8	1	0.51	1.00	0.04	0.46	1.00	0.03
20	200	0	-0.8	1	1.00	1.00	0.02	1.00	1.00	0.02
20	1000	0	-0.8	1	1.00	1.00	0.06	1.00	1.00	0.05
50	4	0	-0.8	1	0.09	1.00	0.02	0.09	1.00	0.02
50	20	0	-0.8	1	0.24	1.00	0.03	0.21	1.00	0.03
50	200	0	-0.8	1	1.00	1.00	0.01	0.99	1.00	0.01
50	1000	0	-0.8	1	1.00	1.00	0.18	1.00	1.00	0.18
100	4	0	-0.8	1	0.09	1.00	0.02	0.10	1.00	0.02
100	20	0	-0.8	1	0.14	1.00	0.01	0.14	1.00	0.01
100	200	0	-0.8	1	0.83	1.00	0.38	0.83	1.00	0.38

100	1000	0	-0.8	1	1.00	1.00	0.99	1.00	1.00	0.99
200	4	0	-0.8	1	0.03	1.00	0.00	0.04	1.00	0.00
200	20	0	-0.8	1	0.10	1.00	0.00	0.10	1.00	0.00
200	200	0	-0.8	1	0.59	1.00	0.96	0.58	1.00	0.96
200	1000	0	-0.8	1	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	1	0.59	0.79	0.22	0.48	0.96	0.22
4	20	0.5	-0.8	1	0.99	1.00	0.13	0.99	1.00	0.09
4	200	0.5	-0.8	1	1.00	1.00	0.21	1.00	1.00	0.23
4	1000	0.5	-0.8	1	1.00	1.00	0.38	1.00	1.00	0.47
20	4	0.5	-0.8	1	0.41	1.00	0.22	0.53	1.00	0.13
20	20	0.5	-0.8	1	0.68	1.00	0.25	0.86	1.00	0.18
20	200	0.5	-0.8	1	1.00	1.00	0.43	1.00	1.00	0.72
20	1000	0.5	-0.8	1	1.00	1.00	0.85	1.00	1.00	1.00
50	4	0.5	-0.8	1	0.33	1.00	0.25	0.37	1.00	0.14
50	20	0.5	-0.8	1	0.60	1.00	0.27	0.85	1.00	0.25
50	200	0.5	-0.8	1	1.00	1.00	0.53	1.00	1.00	0.95
50	1000	0.5	-0.8	1	1.00	1.00	0.93	1.00	1.00	1.00
100	4	0.5	-0.8	1	0.32	1.00	0.18	0.31	1.00	0.14
100	20	0.5	-0.8	1	0.41	1.00	0.21	0.72	1.00	0.30
100	200	0.5	-0.8	1	0.97	1.00	0.40	1.00	1.00	0.95
100	1000	0.5	-0.8	1	1.00	1.00	0.82	1.00	1.00	1.00
200	4	0.5	-0.8	1	0.27	1.00	0.17	0.18	1.00	0.07
200	20	0.5	-0.8	1	0.37	1.00	0.07	0.48	1.00	0.08
200	200	0.5	-0.8	1	0.82	1.00	0.69	1.00	1.00	0.31
200	1000	0.5	-0.8	1	1.00	1.00	1.00	1.00	1.00	0.88
4	4	0	0.0	2	0.09	0.06	0.04	0.11	0.08	0.07
4	20	0	0.0	2	0.07	0.02	0.02	0.07	0.02	0.03
4	200	0	0.0	2	0.07	0.03	0.02	0.05	0.02	0.02
4	1000	0	0.0	2	0.09	0.07	0.02	0.10	0.05	0.02
20	4	0	0.0	2	0.07	0.04	0.04	0.10	0.02	0.04
20	20	0	0.0	2	0.05	0.02	0.03	0.05	0.01	0.03
20	200	0	0.0	2	0.05	0.03	0.03	0.06	0.01	0.03
20	1000	0	0.0	2	0.06	0.02	0.07	0.06	0.02	0.07
50	4	0	0.0	2	0.03	0.02	0.05	0.05	0.01	0.05
50	20	0	0.0	2	0.04	0.01	0.03	0.04	0.00	0.03
50	200	0	0.0	2	0.02	0.03	0.05	0.02	0.02	0.05
50	1000	0	0.0	2	0.05	0.04	0.04	0.05	0.01	0.03
100	4	0	0.0	2	0.04	0.04	0.03	0.04	0.02	0.03

100	20	0	0.0	2	0.07	0.01	0.02	0.07	0.01	0.02
100	200	0	0.0	2	0.04	0.05	0.09	0.05	0.01	0.09
100	1000	0	0.0	2	0.05	0.02	0.04	0.05	0.01	0.04
200	4	0	0.0	2	0.08	0.03	0.03	0.09	0.01	0.03
200	20	0	0.0	2	0.06	0.02	0.05	0.06	0.01	0.05
200	200	0	0.0	2	0.04	0.02	0.08	0.04	0.01	0.08
200	1000	0	0.0	2	0.04	0.06	0.04	0.04	0.01	0.04
4	4	0.5	0.0	2	0.13	0.03	0.17	0.11	0.05	0.18
4	20	0.5	0.0	2	0.13	0.04	0.13	0.08	0.04	0.13
4	200	0.5	0.0	2	0.12	0.04	0.11	0.09	0.07	0.05
4	1000	0.5	0.0	2	0.15	0.06	0.08	0.11	0.07	0.05
20	4	0.5	0.0	2	0.27	0.03	0.20	0.11	0.04	0.06
20	20	0.5	0.0	2	0.23	0.04	0.11	0.14	0.04	0.02
20	200	0.5	0.0	2	0.24	0.04	0.12	0.15	0.03	0.05
20	1000	0.5	0.0	2	0.22	0.05	0.29	0.14	0.04	0.05
50	4	0.5	0.0	2	0.26	0.05	0.20	0.14	0.04	0.06
50	20	0.5	0.0	2	0.28	0.03	0.17	0.11	0.04	0.06
50	200	0.5	0.0	2	0.25	0.05	0.22	0.09	0.03	0.02
50	1000	0.5	0.0	2	0.27	0.03	0.23	0.11	0.02	0.09
100	4	0.5	0.0	2	0.29	0.05	0.15	0.10	0.03	0.06
100	20	0.5	0.0	2	0.26	0.01	0.12	0.07	0.01	0.03
100	200	0.5	0.0	2	0.23	0.03	0.28	0.13	0.03	0.07
100	1000	0.5	0.0	2	0.25	0.00	0.30	0.08	0.01	0.05
200	4	0.5	0.0	2	0.23	0.05	0.15	0.09	0.01	0.04
200	20	0.5	0.0	2	0.23	0.04	0.18	0.06	0.01	0.02
200	200	0.5	0.0	2	0.25	0.05	0.25	0.08	0.03	0.05
200	1000	0.5	0.0	2	0.28	0.02	0.28	0.05	0.01	0.07
4	4	0	0.2	2	0.12	0.08	0.05	0.12	0.08	0.10
4	20	0	0.2	2	0.26	0.29	0.03	0.17	0.23	0.04
4	200	0	0.2	2	0.93	1.00	0.04	0.84	0.99	0.03
4	1000	0	0.2	2	1.00	1.00	0.07	1.00	1.00	0.07
20	4	0	0.2	2	0.05	0.29	0.03	0.06	0.11	0.03
20	20	0	0.2	2	0.15	0.97	0.02	0.13	0.81	0.03
20	200	0	0.2	2	0.75	1.00	0.07	0.69	1.00	0.07
20	1000	0	0.2	2	1.00	1.00	0.20	1.00	1.00	0.20
50	4	0	0.2	2	0.06	0.74	0.04	0.07	0.47	0.03
50	20	0	0.2	2	0.12	1.00	0.04	0.11	1.00	0.04
50	200	0	0.2	2	0.46	1.00	0.11	0.43	1.00	0.11

50	1000	0	0.2	2	0.98	1.00	0.51	0.97	1.00	0.51
100	4	0	0.2	2	0.04	0.99	0.02	0.04	0.86	0.02
100	20	0	0.2	2	0.08	1.00	0.04	0.09	1.00	0.05
100	200	0	0.2	2	0.27	1.00	0.21	0.27	1.00	0.21
100	1000	0	0.2	2	0.88	1.00	0.74	0.86	1.00	0.74
200	4	0	0.2	2	0.05	1.00	0.03	0.05	0.99	0.02
200	20	0	0.2	2	0.05	1.00	0.06	0.06	1.00	0.06
200	200	0	0.2	2	0.18	1.00	0.26	0.17	1.00	0.27
200	1000	0	0.2	2	0.61	1.00	0.84	0.61	1.00	0.84
4	4	0.5	0.2	2	0.19	0.09	0.16	0.15	0.15	0.16
4	20	0.5	0.2	2	0.39	0.44	0.14	0.33	0.40	0.09
4	200	0.5	0.2	2	0.99	1.00	0.15	0.98	1.00	0.09
4	1000	0.5	0.2	2	1.00	1.00	0.28	1.00	1.00	0.25
20	4	0.5	0.2	2	0.27	0.50	0.22	0.26	0.42	0.10
20	20	0.5	0.2	2	0.44	1.00	0.19	0.47	1.00	0.08
20	200	0.5	0.2	2	0.93	1.00	0.29	1.00	1.00	0.25
20	1000	0.5	0.2	2	1.00	1.00	0.56	1.00	1.00	0.63
50	4	0.5	0.2	2	0.30	0.91	0.23	0.16	0.85	0.06
50	20	0.5	0.2	2	0.36	1.00	0.21	0.36	1.00	0.10
50	200	0.5	0.2	2	0.80	1.00	0.48	0.99	1.00	0.44
50	1000	0.5	0.2	2	1.00	1.00	0.77	1.00	1.00	0.96
100	4	0.5	0.2	2	0.25	1.00	0.15	0.11	0.99	0.05
100	20	0.5	0.2	2	0.29	1.00	0.22	0.23	1.00	0.13
100	200	0.5	0.2	2	0.65	1.00	0.55	0.94	1.00	0.63
100	1000	0.5	0.2	2	0.96	1.00	0.92	1.00	1.00	1.00
200	4	0.5	0.2	2	0.27	1.00	0.16	0.08	1.00	0.05
200	20	0.5	0.2	2	0.28	1.00	0.24	0.17	1.00	0.10
200	200	0.5	0.2	2	0.43	1.00	0.58	0.77	1.00	0.75
200	1000	0.5	0.2	2	0.85	1.00	0.98	1.00	1.00	1.00
4	4	0	0.5	2	0.26	0.29	0.04	0.22	0.32	0.07
4	20	0	0.5	2	0.74	0.93	0.06	0.64	0.85	0.05
4	200	0	0.5	2	1.00	1.00	0.09	1.00	1.00	0.09
4	1000	0	0.5	2	1.00	1.00	0.27	1.00	1.00	0.26
20	4	0	0.5	2	0.13	0.99	0.04	0.12	0.86	0.04
20	20	0	0.5	2	0.48	1.00	0.06	0.43	1.00	0.07
20	200	0	0.5	2	1.00	1.00	0.24	1.00	1.00	0.23
20	1000	0	0.5	2	1.00	1.00	0.79	1.00	1.00	0.78
50	4	0	0.5	2	0.08	1.00	0.03	0.09	1.00	0.04

50	20	0	0.5	2	0.38	1.00	0.10	0.36	1.00	0.09
50	200	0	0.5	2	0.99	1.00	0.51	0.99	1.00	0.51
50	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.5	2	0.06	1.00	0.07	0.06	1.00	0.08
100	20	0	0.5	2	0.19	1.00	0.10	0.19	1.00	0.10
100	200	0	0.5	2	0.86	1.00	0.81	0.84	1.00	0.80
100	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.5	2	0.06	1.00	0.05	0.06	1.00	0.05
200	20	0	0.5	2	0.11	1.00	0.17	0.11	1.00	0.17
200	200	0	0.5	2	0.66	1.00	0.86	0.65	1.00	0.86
200	1000	0	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.5	2	0.40	0.40	0.17	0.34	0.48	0.19
4	20	0.5	0.5	2	0.90	0.99	0.15	0.87	0.98	0.09
4	200	0.5	0.5	2	1.00	1.00	0.27	1.00	1.00	0.29
4	1000	0.5	0.5	2	1.00	1.00	0.61	1.00	1.00	0.61
20	4	0.5	0.5	2	0.38	1.00	0.20	0.46	1.00	0.11
20	20	0.5	0.5	2	0.81	1.00	0.22	0.92	1.00	0.14
20	200	0.5	0.5	2	1.00	1.00	0.57	1.00	1.00	0.68
20	1000	0.5	0.5	2	1.00	1.00	0.96	1.00	1.00	1.00
50	4	0.5	0.5	2	0.37	1.00	0.23	0.42	1.00	0.13
50	20	0.5	0.5	2	0.62	1.00	0.37	0.85	1.00	0.37
50	200	0.5	0.5	2	1.00	1.00	0.76	1.00	1.00	0.96
50	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.5	2	0.32	1.00	0.20	0.31	1.00	0.15
100	20	0.5	0.5	2	0.47	1.00	0.39	0.77	1.00	0.38
100	200	0.5	0.5	2	0.98	1.00	0.96	1.00	1.00	1.00
100	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	2	0.26	1.00	0.23	0.16	1.00	0.14
200	20	0.5	0.5	2	0.37	1.00	0.40	0.56	1.00	0.43
200	200	0.5	0.5	2	0.88	1.00	0.95	1.00	1.00	1.00
200	1000	0.5	0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	2	0.38	0.52	0.08	0.29	0.54	0.10
4	20	0	0.8	2	0.94	1.00	0.05	0.86	0.98	0.06
4	200	0	0.8	2	1.00	1.00	0.12	1.00	1.00	0.11
4	1000	0	0.8	2	1.00	1.00	0.39	1.00	1.00	0.39
20	4	0	0.8	2	0.27	1.00	0.07	0.27	1.00	0.07
20	20	0	0.8	2	0.77	1.00	0.07	0.72	1.00	0.06
20	200	0	0.8	2	1.00	1.00	0.41	1.00	1.00	0.42

20	1000	0	0.8	2	1.00	1.00	0.97	1.00	1.00	0.97
50	4	0	0.8	2	0.10	1.00	0.07	0.11	1.00	0.08
50	20	0	0.8	2	0.40	1.00	0.13	0.37	1.00	0.13
50	200	0	0.8	2	1.00	1.00	0.73	1.00	1.00	0.74
50	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	2	0.07	1.00	0.05	0.07	1.00	0.05
100	20	0	0.8	2	0.36	1.00	0.25	0.35	1.00	0.25
100	200	0	0.8	2	0.99	1.00	0.94	0.99	1.00	0.94
100	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	2	0.08	1.00	0.08	0.09	1.00	0.08
200	20	0	0.8	2	0.18	1.00	0.28	0.18	1.00	0.27
200	200	0	0.8	2	0.93	1.00	0.99	0.93	1.00	0.99
200	1000	0	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	2	0.67	0.82	0.20	0.58	0.86	0.18
4	20	0.5	0.8	2	1.00	1.00	0.17	0.99	1.00	0.12
4	200	0.5	0.8	2	1.00	1.00	0.35	1.00	1.00	0.35
4	1000	0.5	0.8	2	1.00	1.00	0.76	1.00	1.00	0.81
20	4	0.5	0.8	2	0.51	1.00	0.21	0.65	1.00	0.14
20	20	0.5	0.8	2	0.95	1.00	0.34	0.99	1.00	0.25
20	200	0.5	0.8	2	1.00	1.00	0.70	1.00	1.00	0.86
20	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
50	4	0.5	0.8	2	0.40	1.00	0.22	0.55	1.00	0.14
50	20	0.5	0.8	2	0.75	1.00	0.36	0.99	1.00	0.37
50	200	0.5	0.8	2	1.00	1.00	0.92	1.00	1.00	1.00
50	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	2	0.30	1.00	0.31	0.38	1.00	0.22
100	20	0.5	0.8	2	0.68	1.00	0.47	0.95	1.00	0.63
100	200	0.5	0.8	2	1.00	1.00	0.99	1.00	1.00	1.00
100	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	2	0.31	1.00	0.32	0.30	1.00	0.25
200	20	0.5	0.8	2	0.44	1.00	0.56	0.76	1.00	0.69
200	200	0.5	0.8	2	0.98	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	2	0.13	0.07	0.05	0.12	0.12	0.11
4	20	0	-0.2	2	0.29	0.38	0.01	0.20	0.28	0.02
4	200	0	-0.2	2	0.95	1.00	0.02	0.83	0.98	0.02
4	1000	0	-0.2	2	1.00	1.00	0.02	1.00	1.00	0.03
20	4	0	-0.2	2	0.08	0.35	0.04	0.08	0.14	0.04

20	20	0	-0.2	2	0.13	0.96	0.02	0.12	0.78	0.02
20	200	0	-0.2	2	0.75	1.00	0.02	0.71	1.00	0.01
20	1000	0	-0.2	2	1.00	1.00	0.26	1.00	1.00	0.25
50	4	0	-0.2	2	0.07	0.75	0.04	0.08	0.47	0.04
50	20	0	-0.2	2	0.12	1.00	0.01	0.12	1.00	0.01
50	200	0	-0.2	2	0.45	1.00	0.16	0.45	1.00	0.16
50	1000	0	-0.2	2	0.98	1.00	0.54	0.98	1.00	0.54
100	4	0	-0.2	2	0.06	0.99	0.03	0.06	0.79	0.03
100	20	0	-0.2	2	0.08	1.00	0.01	0.08	1.00	0.01
100	200	0	-0.2	2	0.28	1.00	0.19	0.27	1.00	0.19
100	1000	0	-0.2	2	0.87	1.00	0.71	0.86	1.00	0.71
200	4	0	-0.2	2	0.06	1.00	0.04	0.06	0.99	0.04
200	20	0	-0.2	2	0.07	1.00	0.04	0.07	1.00	0.04
200	200	0	-0.2	2	0.18	1.00	0.26	0.17	1.00	0.25
200	1000	0	-0.2	2	0.60	1.00	0.87	0.60	1.00	0.87
4	4	0.5	-0.2	2	0.18	0.12	0.24	0.18	0.17	0.22
4	20	0.5	-0.2	2	0.39	0.42	0.14	0.31	0.34	0.10
4	200	0.5	-0.2	2	0.99	1.00	0.09	0.97	1.00	0.05
4	1000	0.5	-0.2	2	1.00	1.00	0.03	1.00	1.00	0.02
20	4	0.5	-0.2	2	0.25	0.52	0.20	0.16	0.46	0.07
20	20	0.5	-0.2	2	0.38	1.00	0.13	0.41	1.00	0.04
20	200	0.5	-0.2	2	0.93	1.00	0.04	1.00	1.00	0.01
20	1000	0.5	-0.2	2	1.00	1.00	0.52	1.00	1.00	0.35
50	4	0.5	-0.2	2	0.24	0.90	0.20	0.14	0.84	0.08
50	20	0.5	-0.2	2	0.31	1.00	0.11	0.33	1.00	0.02
50	200	0.5	-0.2	2	0.76	1.00	0.31	0.99	1.00	0.00
50	1000	0.5	-0.2	2	1.00	1.00	0.85	1.00	1.00	0.91
100	4	0.5	-0.2	2	0.28	1.00	0.14	0.14	1.00	0.03
100	20	0.5	-0.2	2	0.32	1.00	0.09	0.24	1.00	0.01
100	200	0.5	-0.2	2	0.62	1.00	0.53	0.93	1.00	0.39
100	1000	0.5	-0.2	2	0.97	1.00	0.91	1.00	1.00	1.00
200	4	0.5	-0.2	2	0.26	1.00	0.09	0.08	1.00	0.01
200	20	0.5	-0.2	2	0.26	1.00	0.11	0.14	1.00	0.00
200	200	0.5	-0.2	2	0.49	1.00	0.58	0.73	1.00	0.71
200	1000	0.5	-0.2	2	0.85	1.00	0.98	1.00	1.00	1.00
4	4	0	-0.5	2	0.22	0.29	0.05	0.19	0.26	0.13
4	20	0	-0.5	2	0.76	0.96	0.02	0.63	0.83	0.03
4	200	0	-0.5	2	1.00	1.00	0.01	1.00	1.00	0.01

4	1000	0	-0.5	2	1.00	1.00	0.00	1.00	1.00	0.00
20	4	0	-0.5	2	0.15	0.98	0.03	0.15	0.84	0.04
20	20	0	-0.5	2	0.55	1.00	0.02	0.48	1.00	0.02
20	200	0	-0.5	2	1.00	1.00	0.01	1.00	1.00	0.01
20	1000	0	-0.5	2	1.00	1.00	0.80	1.00	1.00	0.80
50	4	0	-0.5	2	0.09	1.00	0.02	0.08	1.00	0.02
50	20	0	-0.5	2	0.22	1.00	0.00	0.22	1.00	0.00
50	200	0	-0.5	2	1.00	1.00	0.54	0.99	1.00	0.54
50	1000	0	-0.5	2	1.00	1.00	0.99	1.00	1.00	0.99
100	4	0	-0.5	2	0.07	1.00	0.02	0.08	1.00	0.02
100	20	0	-0.5	2	0.19	1.00	0.00	0.19	1.00	0.00
100	200	0	-0.5	2	0.92	1.00	0.72	0.92	1.00	0.72
100	1000	0	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	2	0.06	1.00	0.02	0.06	1.00	0.02
200	20	0	-0.5	2	0.10	1.00	0.08	0.10	1.00	0.08
200	200	0	-0.5	2	0.64	1.00	0.87	0.64	1.00	0.87
200	1000	0	-0.5	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.5	2	0.42	0.39	0.22	0.34	0.39	0.23
4	20	0.5	-0.5	2	0.91	1.00	0.17	0.87	0.98	0.13
4	200	0.5	-0.5	2	1.00	1.00	0.10	1.00	1.00	0.06
4	1000	0.5	-0.5	2	1.00	1.00	0.01	1.00	1.00	0.02
20	4	0.5	-0.5	2	0.44	1.00	0.18	0.52	1.00	0.10
20	20	0.5	-0.5	2	0.79	1.00	0.16	0.95	1.00	0.09
20	200	0.5	-0.5	2	1.00	1.00	0.05	1.00	1.00	0.08
20	1000	0.5	-0.5	2	1.00	1.00	0.55	1.00	1.00	0.19
50	4	0.5	-0.5	2	0.39	1.00	0.22	0.42	1.00	0.15
50	20	0.5	-0.5	2	0.56	1.00	0.14	0.84	1.00	0.07
50	200	0.5	-0.5	2	1.00	1.00	0.25	1.00	1.00	0.13
50	1000	0.5	-0.5	2	1.00	1.00	0.87	1.00	1.00	0.37
100	4	0.5	-0.5	2	0.30	1.00	0.16	0.30	1.00	0.05
100	20	0.5	-0.5	2	0.47	1.00	0.05	0.74	1.00	0.05
100	200	0.5	-0.5	2	0.99	1.00	0.62	1.00	1.00	0.11
100	1000	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	0.24
200	4	0.5	-0.5	2	0.27	1.00	0.11	0.16	1.00	0.01
200	20	0.5	-0.5	2	0.36	1.00	0.06	0.53	1.00	0.02
200	200	0.5	-0.5	2	0.89	1.00	0.99	1.00	1.00	0.38
200	1000	0.5	-0.5	2	1.00	1.00	1.00	1.00	1.00	0.94
4	4	0	-0.8	2	0.38	0.53	0.05	0.29	0.50	0.08

4	20	0	-0.8	2	0.95	1.00	0.04	0.85	1.00	0.04
4	200	0	-0.8	2	1.00	1.00	0.00	1.00	1.00	0.00
4	1000	0	-0.8	2	1.00	1.00	0.00	1.00	1.00	0.00
20	4	0	-0.8	2	0.25	1.00	0.02	0.23	1.00	0.03
20	20	0	-0.8	2	0.77	1.00	0.03	0.73	1.00	0.03
20	200	0	-0.8	2	1.00	1.00	0.00	1.00	1.00	0.00
20	1000	0	-0.8	2	1.00	1.00	0.94	1.00	1.00	0.94
50	4	0	-0.8	2	0.15	1.00	0.03	0.16	1.00	0.04
50	20	0	-0.8	2	0.49	1.00	0.01	0.48	1.00	0.01
50	200	0	-0.8	2	1.00	1.00	0.53	1.00	1.00	0.53
50	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.8	2	0.07	1.00	0.01	0.07	1.00	0.01
100	20	0	-0.8	2	0.27	1.00	0.00	0.27	1.00	0.00
100	200	0	-0.8	2	0.99	1.00	0.92	0.98	1.00	0.92
100	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.8	2	0.11	1.00	0.01	0.11	1.00	0.01
200	20	0	-0.8	2	0.19	1.00	0.06	0.19	1.00	0.06
200	200	0	-0.8	2	0.87	1.00	0.99	0.87	1.00	0.99
200	1000	0	-0.8	2	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	2	0.65	0.79	0.20	0.58	0.84	0.23
4	20	0.5	-0.8	2	1.00	1.00	0.15	1.00	1.00	0.14
4	200	0.5	-0.8	2	1.00	1.00	0.07	1.00	1.00	0.09
4	1000	0.5	-0.8	2	1.00	1.00	0.10	1.00	1.00	0.13
20	4	0.5	-0.8	2	0.54	1.00	0.25	0.75	1.00	0.13
20	20	0.5	-0.8	2	0.92	1.00	0.14	1.00	1.00	0.07
20	200	0.5	-0.8	2	1.00	1.00	0.14	1.00	1.00	0.32
20	1000	0.5	-0.8	2	1.00	1.00	0.24	1.00	1.00	0.85
50	4	0.5	-0.8	2	0.37	1.00	0.21	0.51	1.00	0.11
50	20	0.5	-0.8	2	0.76	1.00	0.17	0.98	1.00	0.13
50	200	0.5	-0.8	2	1.00	1.00	0.19	1.00	1.00	0.62
50	1000	0.5	-0.8	2	1.00	1.00	0.22	1.00	1.00	1.00
100	4	0.5	-0.8	2	0.32	1.00	0.18	0.40	1.00	0.11
100	20	0.5	-0.8	2	0.58	1.00	0.10	0.97	1.00	0.15
100	200	0.5	-0.8	2	1.00	1.00	0.29	1.00	1.00	0.76
100	1000	0.5	-0.8	2	1.00	1.00	0.48	1.00	1.00	1.00
200	4	0.5	-0.8	2	0.25	1.00	0.11	0.24	1.00	0.07
200	20	0.5	-0.8	2	0.49	1.00	0.06	0.75	1.00	0.11
200	200	0.5	-0.8	2	0.98	1.00	0.90	1.00	1.00	0.28

200	1000	0.5	-0.8	2	1.00	1.00	1.00	1.00	1.00	0.76
4	4	0	0.0	8	0.09	0.06	0.03	0.13	0.13	0.06
4	20	0	0.0	8	0.07	0.08	0.01	0.06	0.06	0.02
4	200	0	0.0	8	0.12	0.06	0.04	0.09	0.07	0.04
4	1000	0	0.0	8	0.09	0.05	0.08	0.08	0.02	0.08
20	4	0	0.0	8	0.05	0.05	0.02	0.05	0.03	0.02
20	20	0	0.0	8	0.06	0.04	0.06	0.07	0.05	0.07
20	200	0	0.0	8	0.07	0.04	0.02	0.06	0.05	0.03
20	1000	0	0.0	8	0.04	0.04	0.07	0.04	0.03	0.07
50	4	0	0.0	8	0.06	0.05	0.04	0.06	0.04	0.04
50	20	0	0.0	8	0.06	0.07	0.06	0.06	0.04	0.06
50	200	0	0.0	8	0.06	0.06	0.03	0.07	0.05	0.03
50	1000	0	0.0	8	0.06	0.03	0.04	0.06	0.02	0.04
100	4	0	0.0	8	0.05	0.04	0.06	0.04	0.02	0.06
100	20	0	0.0	8	0.06	0.04	0.04	0.06	0.01	0.05
100	200	0	0.0	8	0.06	0.06	0.05	0.06	0.05	0.05
100	1000	0	0.0	8	0.05	0.05	0.06	0.05	0.03	0.06
200	4	0	0.0	8	0.05	0.07	0.04	0.05	0.04	0.05
200	20	0	0.0	8	0.04	0.04	0.05	0.05	0.04	0.06
200	200	0	0.0	8	0.06	0.08	0.03	0.06	0.05	0.04
200	1000	0	0.0	8	0.05	0.02	0.04	0.05	0.01	0.04
4	4	0.5	0.0	8	0.14	0.09	0.08	0.12	0.10	0.10
4	20	0.5	0.0	8	0.17	0.06	0.09	0.14	0.07	0.09
4	200	0.5	0.0	8	0.14	0.06	0.16	0.08	0.07	0.08
4	1000	0.5	0.0	8	0.14	0.04	0.18	0.07	0.04	0.11
20	4	0.5	0.0	8	0.17	0.06	0.14	0.09	0.05	0.06
20	20	0.5	0.0	8	0.27	0.05	0.15	0.12	0.05	0.04
20	200	0.5	0.0	8	0.28	0.06	0.24	0.12	0.06	0.07
20	1000	0.5	0.0	8	0.18	0.05	0.24	0.08	0.04	0.04
50	4	0.5	0.0	8	0.27	0.07	0.16	0.06	0.05	0.05
50	20	0.5	0.0	8	0.30	0.03	0.24	0.11	0.03	0.03
50	200	0.5	0.0	8	0.24	0.05	0.30	0.08	0.06	0.07
50	1000	0.5	0.0	8	0.25	0.06	0.27	0.11	0.07	0.07
100	4	0.5	0.0	8	0.25	0.05	0.15	0.08	0.04	0.03
100	20	0.5	0.0	8	0.32	0.05	0.28	0.11	0.05	0.06
100	200	0.5	0.0	8	0.21	0.02	0.25	0.06	0.03	0.07
100	1000	0.5	0.0	8	0.26	0.06	0.31	0.10	0.05	0.06
200	4	0.5	0.0	8	0.29	0.05	0.19	0.06	0.07	0.02

200	20	0.5	0.0	8	0.23	0.03	0.27	0.09	0.03	0.08
200	200	0.5	0.0	8	0.25	0.05	0.27	0.07	0.03	0.05
200	1000	0.5	0.0	8	0.23	0.05	0.27	0.07	0.03	0.05
4	4	0	0.2	8	0.10	0.06	0.03	0.07	0.08	0.06
4	20	0	0.2	8	0.25	0.19	0.01	0.18	0.18	0.01
4	200	0	0.2	8	0.90	0.97	0.05	0.75	0.94	0.05
4	1000	0	0.2	8	1.00	1.00	0.05	1.00	1.00	0.05
20	4	0	0.2	8	0.07	0.27	0.03	0.11	0.18	0.04
20	20	0	0.2	8	0.23	0.86	0.04	0.21	0.69	0.03
20	200	0	0.2	8	0.92	1.00	0.06	0.90	1.00	0.06
20	1000	0	0.2	8	1.00	1.00	0.20	1.00	1.00	0.20
50	4	0	0.2	8	0.08	0.57	0.03	0.08	0.38	0.04
50	20	0	0.2	8	0.18	1.00	0.04	0.18	0.99	0.04
50	200	0	0.2	8	0.89	1.00	0.10	0.87	1.00	0.10
50	1000	0	0.2	8	1.00	1.00	0.30	1.00	1.00	0.30
100	4	0	0.2	8	0.10	0.87	0.05	0.10	0.68	0.05
100	20	0	0.2	8	0.14	1.00	0.04	0.14	1.00	0.04
100	200	0	0.2	8	0.80	1.00	0.17	0.78	1.00	0.17
100	1000	0	0.2	8	1.00	1.00	0.56	1.00	1.00	0.56
200	4	0	0.2	8	0.06	0.99	0.05	0.06	0.92	0.05
200	20	0	0.2	8	0.12	1.00	0.08	0.12	1.00	0.08
200	200	0	0.2	8	0.64	1.00	0.25	0.64	1.00	0.25
200	1000	0	0.2	8	1.00	1.00	0.82	1.00	1.00	0.82
4	4	0.5	0.2	8	0.20	0.14	0.12	0.14	0.19	0.10
4	20	0.5	0.2	8	0.33	0.26	0.12	0.23	0.29	0.08
4	200	0.5	0.2	8	0.98	1.00	0.21	0.95	1.00	0.12
4	1000	0.5	0.2	8	1.00	1.00	0.23	1.00	1.00	0.18
20	4	0.5	0.2	8	0.20	0.39	0.18	0.22	0.38	0.08
20	20	0.5	0.2	8	0.49	0.96	0.18	0.61	0.96	0.06
20	200	0.5	0.2	8	0.98	1.00	0.33	1.00	1.00	0.17
20	1000	0.5	0.2	8	1.00	1.00	0.41	1.00	1.00	0.43
50	4	0.5	0.2	8	0.33	0.79	0.16	0.29	0.75	0.04
50	20	0.5	0.2	8	0.43	1.00	0.18	0.64	1.00	0.07
50	200	0.5	0.2	8	0.99	1.00	0.38	1.00	1.00	0.28
50	1000	0.5	0.2	8	1.00	1.00	0.61	1.00	1.00	0.81
100	4	0.5	0.2	8	0.25	0.99	0.16	0.25	0.97	0.07
100	20	0.5	0.2	8	0.46	1.00	0.22	0.62	1.00	0.08
100	200	0.5	0.2	8	0.97	1.00	0.45	1.00	1.00	0.52

100	1000	0.5	0.2	8	1.00	1.00	0.86	1.00	1.00	1.00
200	4	0.5	0.2	8	0.26	1.00	0.24	0.22	1.00	0.07
200	20	0.5	0.2	8	0.40	1.00	0.28	0.56	1.00	0.14
200	200	0.5	0.2	8	0.93	1.00	0.54	1.00	1.00	0.66
200	1000	0.5	0.2	8	1.00	1.00	0.96	1.00	1.00	1.00
4	4	0	0.5	8	0.18	0.20	0.04	0.17	0.22	0.07
4	20	0	0.5	8	0.70	0.85	0.03	0.50	0.75	0.04
4	200	0	0.5	8	1.00	1.00	0.12	1.00	1.00	0.13
4	1000	0	0.5	8	1.00	1.00	0.17	1.00	1.00	0.17
20	4	0	0.5	8	0.25	0.92	0.05	0.21	0.70	0.06
20	20	0	0.5	8	0.76	1.00	0.06	0.71	1.00	0.05
20	200	0	0.5	8	1.00	1.00	0.16	1.00	1.00	0.15
20	1000	0	0.5	8	1.00	1.00	0.63	1.00	1.00	0.63
50	4	0	0.5	8	0.18	1.00	0.03	0.19	0.98	0.03
50	20	0	0.5	8	0.66	1.00	0.09	0.63	1.00	0.09
50	200	0	0.5	8	1.00	1.00	0.36	1.00	1.00	0.36
50	1000	0	0.5	8	1.00	1.00	0.93	1.00	1.00	0.93
100	4	0	0.5	8	0.18	1.00	0.05	0.18	1.00	0.04
100	20	0	0.5	8	0.54	1.00	0.10	0.53	1.00	0.11
100	200	0	0.5	8	1.00	1.00	0.62	1.00	1.00	0.62
100	1000	0	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.5	8	0.13	1.00	0.04	0.13	1.00	0.04
200	20	0	0.5	8	0.36	1.00	0.16	0.36	1.00	0.16
200	200	0	0.5	8	1.00	1.00	0.88	1.00	1.00	0.88
200	1000	0	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.5	8	0.37	0.28	0.17	0.31	0.37	0.17
4	20	0.5	0.5	8	0.84	0.96	0.13	0.77	0.95	0.09
4	200	0.5	0.5	8	1.00	1.00	0.25	1.00	1.00	0.19
4	1000	0.5	0.5	8	1.00	1.00	0.43	1.00	1.00	0.41
20	4	0.5	0.5	8	0.48	0.98	0.18	0.69	0.99	0.10
20	20	0.5	0.5	8	0.94	1.00	0.23	1.00	1.00	0.12
20	200	0.5	0.5	8	1.00	1.00	0.42	1.00	1.00	0.45
20	1000	0.5	0.5	8	1.00	1.00	0.90	1.00	1.00	1.00
50	4	0.5	0.5	8	0.49	1.00	0.21	0.75	1.00	0.09
50	20	0.5	0.5	8	0.90	1.00	0.29	1.00	1.00	0.15
50	200	0.5	0.5	8	1.00	1.00	0.60	1.00	1.00	0.81
50	1000	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.5	8	0.44	1.00	0.23	0.72	1.00	0.14

100	20	0.5	0.5	8	0.81	1.00	0.37	1.00	1.00	0.27
100	200	0.5	0.5	8	1.00	1.00	0.89	1.00	1.00	0.99
100	1000	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.5	8	0.37	1.00	0.31	0.58	1.00	0.20
200	20	0.5	0.5	8	0.75	1.00	0.53	1.00	1.00	0.56
200	200	0.5	0.5	8	1.00	1.00	0.98	1.00	1.00	1.00
200	1000	0.5	0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	0.8	8	0.38	0.40	0.02	0.27	0.34	0.06
4	20	0	0.8	8	0.93	1.00	0.02	0.82	0.98	0.03
4	200	0	0.8	8	1.00	1.00	0.12	1.00	1.00	0.12
4	1000	0	0.8	8	1.00	1.00	0.32	1.00	1.00	0.32
20	4	0	0.8	8	0.41	1.00	0.06	0.40	0.97	0.06
20	20	0	0.8	8	0.92	1.00	0.06	0.91	1.00	0.06
20	200	0	0.8	8	1.00	1.00	0.26	1.00	1.00	0.26
20	1000	0	0.8	8	1.00	1.00	0.91	1.00	1.00	0.91
50	4	0	0.8	8	0.35	1.00	0.03	0.34	1.00	0.04
50	20	0	0.8	8	0.91	1.00	0.07	0.90	1.00	0.07
50	200	0	0.8	8	1.00	1.00	0.53	1.00	1.00	0.53
50	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	0.8	8	0.30	1.00	0.09	0.32	1.00	0.07
100	20	0	0.8	8	0.82	1.00	0.21	0.80	1.00	0.21
100	200	0	0.8	8	1.00	1.00	0.87	1.00	1.00	0.87
100	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	0.8	8	0.19	1.00	0.06	0.19	1.00	0.06
200	20	0	0.8	8	0.70	1.00	0.30	0.70	1.00	0.30
200	200	0	0.8	8	1.00	1.00	0.99	1.00	1.00	0.99
200	1000	0	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	0.8	8	0.65	0.62	0.15	0.55	0.63	0.18
4	20	0.5	0.8	8	0.99	1.00	0.15	0.97	1.00	0.07
4	200	0.5	0.8	8	1.00	1.00	0.28	1.00	1.00	0.24
4	1000	0.5	0.8	8	1.00	1.00	0.66	1.00	1.00	0.69
20	4	0.5	0.8	8	0.72	1.00	0.24	0.91	1.00	0.15
20	20	0.5	0.8	8	0.99	1.00	0.27	1.00	1.00	0.18
20	200	0.5	0.8	8	1.00	1.00	0.67	1.00	1.00	0.78
20	1000	0.5	0.8	8	1.00	1.00	0.99	1.00	1.00	1.00
50	4	0.5	0.8	8	0.60	1.00	0.20	0.96	1.00	0.10
50	20	0.5	0.8	8	0.99	1.00	0.35	1.00	1.00	0.25
50	200	0.5	0.8	8	1.00	1.00	0.81	1.00	1.00	0.99

50	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	0.8	8	0.57	1.00	0.30	0.91	1.00	0.23
100	20	0.5	0.8	8	0.95	1.00	0.41	1.00	1.00	0.44
100	200	0.5	0.8	8	1.00	1.00	0.96	1.00	1.00	1.00
100	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	0.8	8	0.49	1.00	0.37	0.87	1.00	0.32
200	20	0.5	0.8	8	0.90	1.00	0.54	1.00	1.00	0.72
200	200	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.2	8	0.14	0.08	0.04	0.12	0.12	0.08
4	20	0	-0.2	8	0.22	0.22	0.01	0.18	0.20	0.02
4	200	0	-0.2	8	0.91	0.97	0.06	0.76	0.93	0.05
4	1000	0	-0.2	8	1.00	1.00	0.09	1.00	1.00	0.09
20	4	0	-0.2	8	0.15	0.28	0.02	0.16	0.20	0.02
20	20	0	-0.2	8	0.20	0.88	0.03	0.18	0.73	0.03
20	200	0	-0.2	8	0.91	1.00	0.09	0.88	1.00	0.09
20	1000	0	-0.2	8	1.00	1.00	0.18	1.00	1.00	0.18
50	4	0	-0.2	8	0.07	0.58	0.01	0.05	0.41	0.01
50	20	0	-0.2	8	0.22	1.00	0.06	0.22	0.98	0.06
50	200	0	-0.2	8	0.86	1.00	0.10	0.84	1.00	0.09
50	1000	0	-0.2	8	1.00	1.00	0.35	1.00	1.00	0.35
100	4	0	-0.2	8	0.06	0.88	0.03	0.06	0.64	0.03
100	20	0	-0.2	8	0.18	1.00	0.07	0.18	1.00	0.07
100	200	0	-0.2	8	0.81	1.00	0.13	0.80	1.00	0.14
100	1000	0	-0.2	8	1.00	1.00	0.54	1.00	1.00	0.54
200	4	0	-0.2	8	0.06	1.00	0.07	0.07	0.96	0.07
200	20	0	-0.2	8	0.13	1.00	0.11	0.12	1.00	0.11
200	200	0	-0.2	8	0.72	1.00	0.27	0.71	1.00	0.27
200	1000	0	-0.2	8	1.00	1.00	0.81	1.00	1.00	0.81
4	4	0.5	-0.2	8	0.18	0.08	0.15	0.11	0.17	0.15
4	20	0.5	-0.2	8	0.35	0.34	0.10	0.29	0.36	0.07
4	200	0.5	-0.2	8	0.98	1.00	0.17	0.95	1.00	0.10
4	1000	0.5	-0.2	8	1.00	1.00	0.26	1.00	1.00	0.17
20	4	0.5	-0.2	8	0.25	0.33	0.14	0.17	0.33	0.06
20	20	0.5	-0.2	8	0.53	0.97	0.16	0.64	0.97	0.04
20	200	0.5	-0.2	8	0.99	1.00	0.34	1.00	1.00	0.20
20	1000	0.5	-0.2	8	1.00	1.00	0.48	1.00	1.00	0.47
50	4	0.5	-0.2	8	0.30	0.78	0.14	0.29	0.72	0.02

50	20	0.5	-0.2	8	0.43	1.00	0.26	0.72	1.00	0.03
50	200	0.5	-0.2	8	0.96	1.00	0.31	1.00	1.00	0.20
50	1000	0.5	-0.2	8	1.00	1.00	0.69	1.00	1.00	0.85
100	4	0.5	-0.2	8	0.28	0.97	0.10	0.26	0.95	0.02
100	20	0.5	-0.2	8	0.47	1.00	0.24	0.69	1.00	0.06
100	200	0.5	-0.2	8	0.96	1.00	0.45	1.00	1.00	0.47
100	1000	0.5	-0.2	8	1.00	1.00	0.82	1.00	1.00	0.99
200	4	0.5	-0.2	8	0.29	1.00	0.18	0.18	1.00	0.03
200	20	0.5	-0.2	8	0.36	1.00	0.29	0.60	1.00	0.13
200	200	0.5	-0.2	8	0.87	1.00	0.61	1.00	1.00	0.75
200	1000	0.5	-0.2	8	1.00	1.00	0.96	1.00	1.00	1.00
4	4	0	-0.5	8	0.23	0.26	0.03	0.21	0.23	0.08
4	20	0	-0.5	8	0.65	0.80	0.01	0.51	0.70	0.03
4	200	0	-0.5	8	1.00	1.00	0.07	1.00	1.00	0.07
4	1000	0	-0.5	8	1.00	1.00	0.20	1.00	1.00	0.20
20	4	0	-0.5	8	0.22	0.91	0.03	0.21	0.70	0.04
20	20	0	-0.5	8	0.72	1.00	0.04	0.71	1.00	0.05
20	200	0	-0.5	8	1.00	1.00	0.12	1.00	1.00	0.13
20	1000	0	-0.5	8	1.00	1.00	0.59	1.00	1.00	0.59
50	4	0	-0.5	8	0.19	1.00	0.02	0.18	0.99	0.02
50	20	0	-0.5	8	0.66	1.00	0.07	0.63	1.00	0.07
50	200	0	-0.5	8	1.00	1.00	0.36	1.00	1.00	0.36
50	1000	0	-0.5	8	1.00	1.00	0.94	1.00	1.00	0.94
100	4	0	-0.5	8	0.14	1.00	0.02	0.13	1.00	0.02
100	20	0	-0.5	8	0.58	1.00	0.10	0.56	1.00	0.10
100	200	0	-0.5	8	1.00	1.00	0.63	1.00	1.00	0.63
100	1000	0	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.5	8	0.12	1.00	0.05	0.12	1.00	0.06
200	20	0	-0.5	8	0.41	1.00	0.22	0.41	1.00	0.22
200	200	0	-0.5	8	1.00	1.00	0.85	1.00	1.00	0.85
200	1000	0	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.5	8	0.36	0.33	0.11	0.31	0.36	0.12
4	20	0.5	-0.5	8	0.88	0.94	0.06	0.84	0.93	0.08
4	200	0.5	-0.5	8	1.00	1.00	0.28	1.00	1.00	0.12
4	1000	0.5	-0.5	8	1.00	1.00	0.41	1.00	1.00	0.38
20	4	0.5	-0.5	8	0.53	0.99	0.13	0.72	0.97	0.06
20	20	0.5	-0.5	8	0.94	1.00	0.10	1.00	1.00	0.02
20	200	0.5	-0.5	8	1.00	1.00	0.48	1.00	1.00	0.50

20	1000	0.5	-0.5	8	1.00	1.00	0.87	1.00	1.00	0.98
50	4	0.5	-0.5	8	0.51	1.00	0.12	0.79	1.00	0.06
50	20	0.5	-0.5	8	0.93	1.00	0.20	1.00	1.00	0.04
50	200	0.5	-0.5	8	1.00	1.00	0.66	1.00	1.00	0.84
50	1000	0.5	-0.5	8	1.00	1.00	0.99	1.00	1.00	1.00
100	4	0.5	-0.5	8	0.49	1.00	0.18	0.75	1.00	0.04
100	20	0.5	-0.5	8	0.82	1.00	0.33	1.00	1.00	0.14
100	200	0.5	-0.5	8	1.00	1.00	0.89	1.00	1.00	0.99
100	1000	0.5	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.5	8	0.40	1.00	0.16	0.61	1.00	0.03
200	20	0.5	-0.5	8	0.73	1.00	0.45	1.00	1.00	0.45
200	200	0.5	-0.5	8	1.00	1.00	0.97	1.00	1.00	1.00
200	1000	0.5	-0.5	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0	-0.8	8	0.38	0.45	0.03	0.27	0.44	0.06
4	20	0	-0.8	8	0.90	0.99	0.02	0.80	0.96	0.01
4	200	0	-0.8	8	1.00	1.00	0.10	1.00	1.00	0.10
4	1000	0	-0.8	8	1.00	1.00	0.28	1.00	1.00	0.29
20	4	0	-0.8	8	0.40	1.00	0.03	0.38	0.99	0.02
20	20	0	-0.8	8	0.96	1.00	0.01	0.94	1.00	0.02
20	200	0	-0.8	8	1.00	1.00	0.30	1.00	1.00	0.30
20	1000	0	-0.8	8	1.00	1.00	0.88	1.00	1.00	0.88
50	4	0	-0.8	8	0.37	1.00	0.01	0.32	1.00	0.01
50	20	0	-0.8	8	0.88	1.00	0.09	0.88	1.00	0.09
50	200	0	-0.8	8	1.00	1.00	0.63	1.00	1.00	0.62
50	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0	-0.8	8	0.27	1.00	0.02	0.26	1.00	0.02
100	20	0	-0.8	8	0.85	1.00	0.17	0.84	1.00	0.17
100	200	0	-0.8	8	1.00	1.00	0.82	1.00	1.00	0.82
100	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0	-0.8	8	0.21	1.00	0.08	0.22	1.00	0.08
200	20	0	-0.8	8	0.66	1.00	0.29	0.65	1.00	0.29
200	200	0	-0.8	8	1.00	1.00	0.99	1.00	1.00	0.99
200	1000	0	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
4	4	0.5	-0.8	8	0.58	0.64	0.14	0.46	0.60	0.16
4	20	0.5	-0.8	8	1.00	1.00	0.06	0.98	1.00	0.03
4	200	0.5	-0.8	8	1.00	1.00	0.18	1.00	1.00	0.02
4	1000	0.5	-0.8	8	1.00	1.00	0.62	1.00	1.00	0.68
20	4	0.5	-0.8	8	0.69	1.00	0.10	0.91	1.00	0.04

20	20	0.5	-0.8	8	1.00	1.00	0.07	1.00	1.00	0.02
20	200	0.5	-0.8	8	1.00	1.00	0.64	1.00	1.00	0.70
20	1000	0.5	-0.8	8	1.00	1.00	0.98	1.00	1.00	1.00
50	4	0.5	-0.8	8	0.73	1.00	0.15	0.93	1.00	0.06
50	20	0.5	-0.8	8	0.98	1.00	0.25	1.00	1.00	0.02
50	200	0.5	-0.8	8	1.00	1.00	0.86	1.00	1.00	0.98
50	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
100	4	0.5	-0.8	8	0.66	1.00	0.08	0.88	1.00	0.05
100	20	0.5	-0.8	8	0.96	1.00	0.42	1.00	1.00	0.14
100	200	0.5	-0.8	8	1.00	1.00	0.98	1.00	1.00	1.00
100	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	4	0.5	-0.8	8	0.48	1.00	0.10	0.87	1.00	0.05
200	20	0.5	-0.8	8	0.87	1.00	0.57	1.00	1.00	0.57
200	200	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00
200	1000	0.5	-0.8	8	1.00	1.00	1.00	1.00	1.00	1.00

Appendix B. Appendix to Chapter 2

Table B.1

The distributions of the FE estimator and *t*-values

					Distribution of β			Dist' of absolute *t*-values			
T	n	γ_{xi}	γ_{yi}	γ_{xi}/γ_{xi}	Mean	5%	95%	Mean	90%	Rejection rates	R^2
2	10	0.1	0.2	2.0	0.02	-0.57	0.63	6.53	9.65	0.05	0.97
2	10	0.2	0.1	0.5	0.01	-0.55	0.58	0.89	1.79	0.06	0.98
2	10	0.2	0.5	2.5	0.07	-0.58	0.69	0.89	1.85	0.05	0.98
2	10	0.2	1.0	5.0	0.16	-0.67	0.90	0.91	1.95	0.06	0.98
2	10	0.2	2.0	10.0	0.41	-0.86	1.60	1.03	2.10	0.08	0.98
2	10	0.5	0.1	0.2	0.02	-0.53	0.51	0.89	1.85	0.06	0.98
2	10	0.5	0.5	1.0	0.21	-0.34	0.76	1.05	2.15	0.09	0.98
2	10	0.5	1.0	2.0	0.40	-0.26	1.02	1.29	2.56	0.15	0.98
2	10	0.5	2.0	4.0	0.83	-0.20	1.77	1.61	3.03	0.24	0.98
2	10	1.0	0.1	0.1	0.05	-0.33	0.42	0.89	1.82	0.05	0.99
2	10	1.0	0.5	0.5	0.27	-0.13	0.68	1.30	2.61	0.16	0.99
2	10	1.0	1.0	1.0	0.53	0.09	1.01	2.00	3.45	0.36	0.99
2	10	1.0	2.0	2.0	1.06	0.53	1.70	2.95	4.74	0.67	0.99
2	10	2.0	0.1	0.1	0.04	-0.20	0.29	0.92	1.99	0.07	1.00
2	10	2.0	0.5	0.3	0.21	-0.02	0.45	1.58	2.98	0.24	1.00
2	10	2.0	1.0	0.5	0.41	0.16	0.67	2.87	4.69	0.62	1.00
2	10	2.0	2.0	1.0	0.83	0.57	1.16	4.62	6.59	0.98	1.00
2	30	0.1	0.2	2.0	0.02	-0.29	0.30	10.96	13.78	0.05	1.00
2	30	0.2	0.1	0.5	0.02	-0.29	0.33	0.83	1.72	0.05	1.00
2	30	0.2	0.5	2.5	0.10	-0.24	0.42	0.93	1.91	0.08	1.00
2	30	0.2	1.0	5.0	0.19	-0.27	0.62	1.06	2.13	0.11	1.00
2	30	0.2	2.0	10.0	0.37	-0.32	1.00	1.17	2.33	0.14	1.00
2	30	0.5	0.1	0.2	0.04	-0.26	0.30	0.84	1.68	0.05	1.00

2	30	0.5	0.5	1.0	0.20	-0.08	0.49	1.28	2.47	0.18	1.00
2	30	0.5	1.0	2.0	0.41	0.05	0.76	1.90	3.12	0.44	1.00
2	30	0.5	2.0	4.0	0.81	0.25	1.31	2.45	3.85	0.65	1.00
2	30	1.0	0.1	0.1	0.05	-0.16	0.26	0.86	1.78	0.06	1.00
2	30	1.0	0.5	0.5	0.25	0.02	0.47	1.89	3.21	0.43	1.00
2	30	1.0	1.0	1.0	0.51	0.28	0.75	3.28	4.58	0.90	1.00
2	30	1.0	2.0	2.0	1.02	0.70	1.33	4.58	6.00	0.99	1.00
2	30	2.0	0.1	0.1	0.04	-0.10	0.18	0.94	1.95	0.08	1.00
2	30	2.0	0.5	0.3	0.21	0.07	0.35	2.53	4.03	0.64	1.00
2	30	2.0	1.0	0.5	0.41	0.27	0.55	4.62	6.17	0.99	1.00
2	30	2.0	2.0	1.0	0.81	0.65	0.99	7.48	9.23	1.00	1.00
2	50	0.1	0.2	2.0	0.02	-0.22	0.26	13.99	16.90	0.06	1.00
2	50	0.2	0.1	0.5	0.01	-0.20	0.25	0.79	1.67	0.04	1.00
2	50	0.2	0.5	2.5	0.09	-0.16	0.36	0.94	2.00	0.10	1.00
2	50	0.2	1.0	5.0	0.20	-0.12	0.52	1.17	2.32	0.16	1.00
2	50	0.2	2.0	10.0	0.40	-0.09	0.91	1.42	2.60	0.24	1.00
2	50	0.5	0.1	0.2	0.04	-0.17	0.26	0.87	1.74	0.06	1.00
2	50	0.5	0.5	1.0	0.20	-0.03	0.42	1.51	2.75	0.29	1.00
2	50	0.5	1.0	2.0	0.40	0.13	0.66	2.38	3.74	0.61	1.00
2	50	0.5	2.0	4.0	0.80	0.38	1.17	3.12	4.47	0.86	1.00
2	50	1.0	0.1	0.1	0.05	-0.11	0.23	0.92	1.87	0.09	1.00
2	50	1.0	0.5	0.5	0.26	0.09	0.43	2.45	3.74	0.66	1.00
2	50	1.0	1.0	1.0	0.50	0.31	0.69	4.17	5.58	0.99	1.00
2	50	1.0	2.0	2.0	1.01	0.79	1.26	5.94	7.51	1.00	1.00
2	50	2.0	0.1	0.1	0.04	-0.06	0.14	0.96	1.93	0.09	1.00
2	50	2.0	0.5	0.3	0.20	0.09	0.31	3.13	4.54	0.84	1.00
2	50	2.0	1.0	0.5	0.40	0.29	0.52	5.86	7.37	1.00	1.00
2	50	2.0	2.0	1.0	0.80	0.67	0.94	9.49	11.25	1.00	1.00
2	100	0.1	0.2	2.0	0.02	-0.15	0.18	19.54	22.62	0.04	1.00
2	100	0.2	0.1	0.5	0.02	-0.16	0.19	0.84	1.76	0.06	1.00
2	100	0.2	0.5	2.5	0.10	-0.08	0.28	1.08	2.21	0.15	1.00
2	100	0.2	1.0	5.0	0.19	-0.03	0.41	1.48	2.69	0.27	1.00
2	100	0.2	2.0	10.0	0.38	0.02	0.70	1.80	3.03	0.41	1.00
2	100	0.5	0.1	0.2	0.04	-0.10	0.18	0.86	1.77	0.06	1.00
2	100	0.5	0.5	1.0	0.20	0.04	0.37	2.08	3.38	0.52	1.00

2	100	0.5	1.0	2.0	0.41	0.21	0.59	3.39	4.64	0.92	1.00
2	100	0.5	2.0	4.0	0.79	0.54	1.06	4.33	5.66	0.99	1.00
2	100	1.0	0.1	0.1	0.05	-0.07	0.17	1.04	2.03	0.11	1.00
2	100	1.0	0.5	0.5	0.25	0.13	0.37	3.32	4.62	0.91	1.00
2	100	1.0	1.0	1.0	0.50	0.37	0.64	5.85	7.24	1.00	1.00
2	100	1.0	2.0	2.0	1.01	0.84	1.18	8.26	9.74	1.00	1.00
2	100	2.0	0.1	0.1	0.04	-0.03	0.11	1.09	2.12	0.13	1.00
2	100	2.0	0.5	0.3	0.20	0.12	0.28	4.40	5.77	0.99	1.00
2	100	2.0	1.0	0.5	0.40	0.33	0.48	8.22	9.71	1.00	1.00
2	100	2.0	2.0	1.0	0.80	0.71	0.90	13.44	15.12	1.00	1.00
2	200	0.1	0.2	2.0	0.02	-0.10	0.13	27.73	30.37	0.05	1.00
2	200	0.2	0.1	0.5	0.02	-0.10	0.13	0.84	1.65	0.05	1.00
2	200	0.2	0.5	2.5	0.09	-0.04	0.22	1.37	2.57	0.25	1.00
2	200	0.2	1.0	5.0	0.20	0.04	0.34	2.04	3.30	0.52	1.00
2	200	0.2	2.0	10.0	0.39	0.15	0.62	2.55	3.83	0.71	1.00
2	200	0.5	0.1	0.2	0.04	-0.06	0.15	0.93	1.97	0.10	1.00
2	200	0.5	0.5	1.0	0.20	0.09	0.31	2.93	4.17	0.84	1.00
2	200	0.5	1.0	2.0	0.40	0.27	0.54	4.76	6.08	1.00	1.00
2	200	0.5	2.0	4.0	0.80	0.61	0.98	6.15	7.48	1.00	1.00
2	200	1.0	0.1	0.1	0.05	-0.03	0.14	1.18	2.35	0.17	1.00
2	200	1.0	0.5	0.5	0.25	0.16	0.34	4.72	5.99	0.99	1.00
2	200	1.0	1.0	1.0	0.50	0.41	0.59	8.18	9.58	1.00	1.00
2	200	1.0	2.0	2.0	1.01	0.89	1.12	11.61	13.05	1.00	1.00
2	200	2.0	0.1	0.1	0.04	-0.01	0.09	1.42	2.63	0.26	1.00
2	200	2.0	0.5	0.3	0.20	0.15	0.25	6.22	7.47	1.00	1.00
2	200	2.0	1.0	0.5	0.40	0.35	0.45	11.55	12.93	1.00	1.00
2	200	2.0	2.0	1.0	0.80	0.74	0.87	18.95	20.67	1.00	1.00
2	1000	0.1	0.2	2.0	0.02	-0.03	0.07	61.75	64.51	0.09	1.00
2	1000	0.2	0.1	0.5	0.02	-0.04	0.07	0.92	1.87	0.09	1.00
2	1000	0.2	0.5	2.5	0.09	0.04	0.15	2.74	4.00	0.80	1.00
2	1000	0.2	1.0	5.0	0.19	0.12	0.26	4.46	5.70	0.99	1.00
2	1000	0.2	2.0	10.0	0.39	0.28	0.50	5.67	6.97	1.00	1.00
2	1000	0.5	0.1	0.2	0.04	-0.01	0.09	1.46	2.73	0.29	1.00
2	1000	0.5	0.5	1.0	0.20	0.16	0.25	6.50	7.75	1.00	1.00
2	1000	0.5	1.0	2.0	0.40	0.34	0.46	10.57	11.83	1.00	1.00

2	1000	0.5	2.0	4.0	0.80	0.71	0.88	13.80	15.06	1.00	1.00
2	1000	1.0	0.1	0.1	0.05	0.01	0.09	2.27	3.53	0.62	1.00
2	1000	1.0	0.5	0.5	0.25	0.21	0.29	10.56	11.89	1.00	1.00
2	1000	1.0	1.0	1.0	0.50	0.46	0.54	18.28	19.65	1.00	1.00
2	1000	1.0	2.0	2.0	1.00	0.95	1.05	25.78	27.18	1.00	1.00
2	1000	2.0	0.1	0.1	0.04	0.02	0.06	2.85	4.19	0.80	1.00
2	1000	2.0	0.5	0.3	0.20	0.17	0.22	13.78	15.09	1.00	1.00
2	1000	2.0	1.0	0.5	0.40	0.37	0.42	25.79	27.26	1.00	1.00
2	1000	2.0	2.0	1.0	0.80	0.77	0.83	42.13	43.72	1.00	1.00
3	10	0.1	0.2	2.0	0.03	-0.39	0.43	9.05	12.37	0.08	1.00
3	10	0.2	0.1	0.5	0.02	-0.43	0.46	0.94	1.99	0.08	1.00
3	10	0.2	0.5	2.5	0.13	-0.40	0.59	1.11	2.22	0.12	1.00
3	10	0.2	1.0	5.0	0.28	-0.36	0.89	1.20	2.46	0.17	1.00
3	10	0.2	2.0	10.0	0.57	-0.54	1.61	1.38	2.76	0.24	1.00
3	10	0.5	0.1	0.2	0.06	-0.31	0.43	0.97	2.01	0.09	1.00
3	10	0.5	0.5	1.0	0.27	-0.14	0.67	1.46	2.76	0.24	1.00
3	10	0.5	1.0	2.0	0.55	0.06	1.05	2.10	3.69	0.47	1.00
3	10	0.5	2.0	4.0	1.08	0.27	1.85	2.58	4.26	0.64	1.00
3	10	1.0	0.1	0.1	0.06	-0.23	0.37	1.11	2.28	0.13	1.00
3	10	1.0	0.5	0.5	0.30	0.02	0.62	2.09	3.58	0.47	1.00
3	10	1.0	1.0	1.0	0.62	0.31	0.96	3.55	5.19	0.88	1.00
3	10	1.0	2.0	2.0	1.24	0.85	1.69	4.91	6.95	0.99	1.00
3	10	2.0	0.1	0.1	0.04	-0.13	0.21	1.14	2.27	0.13	1.00
3	10	2.0	0.5	0.3	0.22	0.04	0.40	2.66	4.38	0.64	1.00
3	10	2.0	1.0	0.5	0.43	0.25	0.62	4.82	6.75	0.98	1.00
3	10	2.0	2.0	1.0	0.87	0.67	1.11	7.94	10.32	1.00	1.00
3	30	0.1	0.2	2.0	0.03	-0.22	0.27	15.21	18.63	0.09	1.00
3	30	0.2	0.1	0.5	0.03	-0.21	0.27	0.94	1.96	0.09	1.00
3	30	0.2	0.5	2.5	0.14	-0.13	0.42	1.21	2.46	0.18	1.00
3	30	0.2	1.0	5.0	0.29	-0.07	0.62	1.61	2.98	0.34	1.00
3	30	0.2	2.0	10.0	0.55	-0.15	1.16	1.86	3.33	0.41	1.00
3	30	0.5	0.1	0.2	0.05	-0.17	0.25	0.98	1.95	0.09	1.00
3	30	0.5	0.5	1.0	0.27	0.03	0.50	2.22	3.66	0.58	1.00
3	30	0.5	1.0	2.0	0.54	0.24	0.82	3.43	5.08	0.88	1.00
3	30	0.5	2.0	4.0	1.09	0.67	1.49	4.30	5.92	0.97	1.00

3	30	1.0	0.1	0.1	0.06	-0.10	0.23	1.14	2.40	0.17	1.00
3	30	1.0	0.5	0.5	0.30	0.14	0.48	3.47	5.14	0.89	1.00
3	30	1.0	1.0	1.0	0.61	0.43	0.80	5.93	7.56	1.00	1.00
3	30	1.0	2.0	2.0	1.21	0.98	1.45	8.18	9.99	1.00	1.00
3	30	2.0	0.1	0.1	0.05	-0.06	0.14	1.28	2.56	0.22	1.00
3	30	2.0	0.5	0.3	0.21	0.11	0.31	4.32	5.94	0.97	1.00
3	30	2.0	1.0	0.5	0.43	0.33	0.55	8.19	10.07	1.00	1.00
3	30	2.0	2.0	1.0	0.86	0.75	0.99	13.20	15.51	1.00	1.00
3	50	0.1	0.2	2.0	0.03	-0.15	0.23	19.41	22.66	0.10	1.00
3	50	0.2	0.1	0.5	0.03	-0.16	0.22	0.97	1.98	0.10	1.00
3	50	0.2	0.5	2.5	0.14	-0.07	0.33	1.39	2.66	0.27	1.00
3	50	0.2	1.0	5.0	0.29	-0.01	0.58	1.99	3.51	0.47	1.00
3	50	0.2	2.0	10.0	0.55	0.06	1.00	2.27	3.77	0.58	1.00
3	50	0.5	0.1	0.2	0.06	-0.11	0.22	1.07	2.14	0.13	1.00
3	50	0.5	0.5	1.0	0.28	0.10	0.45	2.89	4.34	0.78	1.00
3	50	0.5	1.0	2.0	0.54	0.34	0.75	4.48	6.05	0.98	1.00
3	50	0.5	2.0	4.0	1.11	0.79	1.42	5.71	7.37	1.00	1.00
3	50	1.0	0.1	0.1	0.06	-0.06	0.18	1.24	2.53	0.20	1.00
3	50	1.0	0.5	0.5	0.30	0.18	0.43	4.50	6.00	0.99	1.00
3	50	1.0	1.0	1.0	0.60	0.47	0.75	7.56	9.15	1.00	1.00
3	50	1.0	2.0	2.0	1.21	1.03	1.40	10.42	12.21	1.00	1.00
3	50	2.0	0.1	0.1	0.04	-0.03	0.12	1.39	2.82	0.25	1.00
3	50	2.0	0.5	0.3	0.21	0.14	0.29	5.55	7.16	1.00	1.00
3	50	2.0	1.0	0.5	0.43	0.36	0.51	10.39	12.15	1.00	1.00
3	50	2.0	2.0	1.0	0.86	0.76	0.96	16.86	19.00	1.00	1.00
3	100	0.1	0.2	2.0	0.03	-0.10	0.16	27.45	30.59	0.09	1.00
3	100	0.2	0.1	0.5	0.03	-0.10	0.15	0.94	1.92	0.09	1.00
3	100	0.2	0.5	2.5	0.14	-0.01	0.29	1.86	3.26	0.45	1.00
3	100	0.2	1.0	5.0	0.28	0.08	0.48	2.70	4.22	0.74	1.00
3	100	0.2	2.0	10.0	0.56	0.22	0.90	3.18	4.77	0.85	1.00
3	100	0.5	0.1	0.2	0.06	-0.06	0.17	1.21	2.38	0.19	1.00
3	100	0.5	0.5	1.0	0.28	0.14	0.40	4.08	5.55	0.96	1.00
3	100	0.5	1.0	2.0	0.55	0.39	0.70	6.34	7.81	1.00	1.00
3	100	0.5	2.0	4.0	1.09	0.87	1.31	7.84	9.38	1.00	1.00
3	100	1.0	0.1	0.1	0.06	-0.03	0.15	1.48	2.85	0.29	1.00

3	100	1.0	0.5	0.5	0.30	0.21	0.40	6.25	7.85	1.00	1.00
3	100	1.0	1.0	1.0	0.60	0.50	0.70	10.67	12.26	1.00	1.00
3	100	1.0	2.0	2.0	1.20	1.07	1.34	14.60	16.42	1.00	1.00
3	100	2.0	0.1	0.1	0.04	-0.01	0.09	1.64	3.09	0.34	1.00
3	100	2.0	0.5	0.3	0.22	0.16	0.27	7.92	9.67	1.00	1.00
3	100	2.0	1.0	0.5	0.43	0.37	0.48	14.62	16.40	1.00	1.00
3	100	2.0	2.0	1.0	0.86	0.79	0.93	23.67	25.96	1.00	1.00
3	200	0.1	0.2	2.0	0.03	-0.07	0.12	38.67	41.67	0.11	1.00
3	200	0.2	0.1	0.5	0.03	-0.06	0.12	1.02	2.12	0.13	1.00
3	200	0.2	0.5	2.5	0.14	0.03	0.24	2.46	3.96	0.67	1.00
3	200	0.2	1.0	5.0	0.28	0.13	0.42	3.75	5.29	0.94	1.00
3	200	0.2	2.0	10.0	0.57	0.33	0.82	4.56	6.20	0.98	1.00
3	200	0.5	0.1	0.2	0.06	-0.03	0.14	1.45	2.75	0.29	1.00
3	200	0.5	0.5	1.0	0.27	0.19	0.36	5.71	7.16	1.00	1.00
3	200	0.5	1.0	2.0	0.55	0.45	0.65	8.91	10.43	1.00	1.00
3	200	0.5	2.0	4.0	1.09	0.92	1.24	11.03	12.67	1.00	1.00
3	200	1.0	0.1	0.1	0.06	0.00	0.12	1.97	3.39	0.49	1.00
3	200	1.0	0.5	0.5	0.30	0.24	0.36	8.86	10.28	1.00	1.00
3	200	1.0	1.0	1.0	0.60	0.53	0.67	15.05	16.52	1.00	1.00
3	200	1.0	2.0	2.0	1.20	1.11	1.29	20.62	22.42	1.00	1.00
3	200	2.0	0.1	0.1	0.04	0.00	0.08	2.29	3.90	0.58	1.00
3	200	2.0	0.5	0.3	0.21	0.18	0.25	11.05	12.58	1.00	1.00
3	200	2.0	1.0	0.5	0.43	0.39	0.47	20.68	22.48	1.00	1.00
3	200	2.0	2.0	1.0	0.86	0.81	0.91	33.32	35.48	1.00	1.00
3	1000	0.1	0.2	2.0	0.03	-0.01	0.07	86.34	89.43	0.28	1.00
3	1000	0.2	0.1	0.5	0.03	-0.01	0.07	1.40	2.65	0.28	1.00
3	1000	0.2	0.5	2.5	0.14	0.10	0.19	5.58	7.05	1.00	1.00
3	1000	0.2	1.0	5.0	0.28	0.22	0.34	8.41	9.88	1.00	1.00
3	1000	0.2	2.0	10.0	0.56	0.45	0.67	10.08	11.64	1.00	1.00
3	1000	0.5	0.1	0.2	0.05	0.02	0.09	2.86	4.27	0.79	1.00
3	1000	0.5	0.5	1.0	0.27	0.23	0.31	12.66	14.19	1.00	1.00
3	1000	0.5	1.0	2.0	0.54	0.50	0.59	19.76	21.25	1.00	1.00
3	1000	0.5	2.0	4.0	1.09	1.02	1.16	24.70	26.40	1.00	1.00
3	1000	1.0	0.1	0.1	0.06	0.03	0.09	4.24	5.72	0.96	1.00
3	1000	1.0	0.5	0.5	0.30	0.27	0.33	19.77	21.24	1.00	1.00

3	1000	1.0	1.0	1.0	0.60	0.57	0.63	33.56	35.14	1.00	1.00
3	1000	1.0	2.0	2.0	1.20	1.16	1.24	46.03	47.81	1.00	1.00
3	1000	2.0	0.1	0.1	0.04	0.03	0.06	5.10	6.61	0.99	1.00
3	1000	2.0	0.5	0.3	0.21	0.20	0.23	24.75	26.34	1.00	1.00
3	1000	2.0	1.0	0.5	0.43	0.41	0.45	46.13	47.75	1.00	1.00
3	1000	2.0	2.0	1.0	0.86	0.84	0.88	74.53	76.55	1.00	1.00
5	10	0.1	0.2	2.0	0.05	-0.33	0.43	12.35	16.33	0.16	1.00
5	10	0.2	0.1	0.5	0.04	-0.33	0.39	1.19	2.53	0.19	1.00
5	10	0.2	0.5	2.5	0.23	-0.23	0.69	1.60	3.31	0.30	1.00
5	10	0.2	1.0	5.0	0.45	-0.29	1.06	1.97	3.84	0.45	1.00
5	10	0.2	2.0	10.0	0.95	-0.35	1.98	2.31	4.39	0.51	1.00
5	10	0.5	0.1	0.2	0.08	-0.23	0.39	1.33	2.76	0.23	1.00
5	10	0.5	0.5	1.0	0.40	0.07	0.77	2.86	5.01	0.69	1.00
5	10	0.5	1.0	2.0	0.78	0.32	1.19	4.04	6.21	0.90	1.00
5	10	0.5	2.0	4.0	1.57	0.90	2.20	5.04	7.44	0.95	1.00
5	10	1.0	0.1	0.1	0.07	-0.16	0.31	1.55	3.28	0.29	1.00
5	10	1.0	0.5	0.5	0.37	0.16	0.60	4.18	6.40	0.92	1.00
5	10	1.0	1.0	1.0	0.74	0.49	1.00	6.90	9.20	1.00	1.00
5	10	1.0	2.0	2.0	1.47	1.14	1.86	9.09	11.77	1.00	1.00
5	10	2.0	0.1	0.1	0.05	-0.08	0.18	1.61	3.33	0.32	1.00
5	10	2.0	0.5	0.3	0.24	0.11	0.37	4.98	7.19	0.96	1.00
5	10	2.0	1.0	0.5	0.46	0.31	0.60	9.09	11.78	1.00	1.00
5	10	2.0	2.0	1.0	0.92	0.76	1.10	14.58	18.07	1.00	1.00
5	30	0.1	0.2	2.0	0.05	-0.20	0.28	20.93	25.08	0.23	1.00
5	30	0.2	0.1	0.5	0.05	-0.16	0.26	1.23	2.54	0.20	1.00
5	30	0.2	0.5	2.5	0.23	-0.04	0.48	2.23	3.97	0.55	1.00
5	30	0.2	1.0	5.0	0.46	0.06	0.85	3.00	4.96	0.74	1.00
5	30	0.2	2.0	10.0	0.90	0.21	1.56	3.32	5.44	0.80	1.00
5	30	0.5	0.1	0.2	0.08	-0.10	0.25	1.53	3.01	0.32	1.00
5	30	0.5	0.5	1.0	0.38	0.19	0.59	4.57	6.68	0.96	1.00
5	30	0.5	1.0	2.0	0.78	0.55	1.00	6.90	9.06	1.00	1.00
5	30	0.5	2.0	4.0	1.55	1.18	1.91	8.17	10.34	1.00	1.00
5	30	1.0	0.1	0.1	0.07	-0.06	0.21	1.76	3.52	0.39	1.00
5	30	1.0	0.5	0.5	0.36	0.23	0.49	6.81	8.77	1.00	1.00
5	30	1.0	1.0	1.0	0.72	0.58	0.87	11.49	13.61	1.00	1.00

5	30	1.0	2.0	2.0	1.44	1.26	1.66	15.11	17.58	1.00	1.00
5	30	2.0	0.1	0.1	0.04	-0.03	0.12	1.92	3.75	0.43	1.00
5	30	2.0	0.5	0.3	0.23	0.16	0.30	8.20	10.42	1.00	1.00
5	30	2.0	1.0	0.5	0.46	0.38	0.54	15.27	17.88	1.00	1.00
5	30	2.0	2.0	1.0	0.91	0.83	1.01	24.29	27.58	1.00	1.00
5	50	0.1	0.2	2.0	0.05	-0.13	0.22	26.91	31.06	0.21	1.00
5	50	0.2	0.1	0.5	0.04	-0.12	0.20	1.26	2.64	0.22	1.00
5	50	0.2	0.5	2.5	0.22	0.03	0.42	2.69	4.52	0.68	1.00
5	50	0.2	1.0	5.0	0.46	0.17	0.74	3.80	5.75	0.89	1.00
5	50	0.2	2.0	10.0	0.90	0.36	1.40	4.28	6.50	0.92	1.00
5	50	0.5	0.1	0.2	0.08	-0.05	0.21	1.63	3.24	0.35	1.00
5	50	0.5	0.5	1.0	0.39	0.25	0.53	5.97	7.88	1.00	1.00
5	50	0.5	1.0	2.0	0.77	0.59	0.96	8.81	10.85	1.00	1.00
5	50	0.5	2.0	4.0	1.53	1.27	1.81	10.49	12.67	1.00	1.00
5	50	1.0	0.1	0.1	0.07	-0.03	0.17	2.08	3.86	0.47	1.00
5	50	1.0	0.5	0.5	0.36	0.25	0.46	8.79	10.72	1.00	1.00
5	50	1.0	1.0	1.0	0.72	0.60	0.84	14.64	16.77	1.00	1.00
5	50	1.0	2.0	2.0	1.43	1.28	1.60	19.40	22.06	1.00	1.00
5	50	2.0	0.1	0.1	0.05	-0.01	0.11	2.33	4.35	0.55	1.00
5	50	2.0	0.5	0.3	0.23	0.17	0.29	10.42	12.74	1.00	1.00
5	50	2.0	1.0	0.5	0.46	0.40	0.52	19.48	21.93	1.00	1.00
5	50	2.0	2.0	1.0	0.91	0.84	0.99	31.18	34.34	1.00	1.00
5	100	0.1	0.2	2.0	0.05	-0.07	0.16	37.94	42.03	0.24	1.00
5	100	0.2	0.1	0.5	0.04	-0.06	0.15	1.33	2.70	0.26	1.00
5	100	0.2	0.5	2.5	0.23	0.09	0.37	3.89	5.74	0.91	1.00
5	100	0.2	1.0	5.0	0.45	0.25	0.66	5.31	7.18	0.99	1.00
5	100	0.2	2.0	10.0	0.90	0.54	1.24	5.98	8.13	1.00	1.00
5	100	0.5	0.1	0.2	0.08	-0.02	0.18	2.08	4.01	0.47	1.00
5	100	0.5	0.5	1.0	0.38	0.27	0.49	8.36	10.35	1.00	1.00
5	100	0.5	1.0	2.0	0.77	0.64	0.90	12.42	14.39	1.00	1.00
5	100	0.5	2.0	4.0	1.53	1.34	1.72	14.64	16.85	1.00	1.00
5	100	1.0	0.1	0.1	0.07	0.00	0.13	2.63	4.56	0.66	1.00
5	100	1.0	0.5	0.5	0.36	0.29	0.43	12.44	14.42	1.00	1.00
5	100	1.0	1.0	1.0	0.72	0.64	0.80	20.54	22.72	1.00	1.00
5	100	1.0	2.0	2.0	1.43	1.33	1.55	27.39	29.92	1.00	1.00

5	100	2.0	0.1	0.1	0.04	0.01	0.08	2.99	4.90	0.72	1.00
5	100	2.0	0.5	0.3	0.23	0.19	0.27	14.73	16.87	1.00	1.00
5	100	2.0	1.0	0.5	0.46	0.41	0.50	27.38	29.85	1.00	1.00
5	100	2.0	2.0	1.0	0.91	0.86	0.96	43.92	47.07	1.00	1.00
5	200	0.1	0.2	2.0	0.05	-0.03	0.14	53.47	57.12	0.34	1.00
5	200	0.2	0.1	0.5	0.05	-0.03	0.12	1.57	3.09	0.33	1.00
5	200	0.2	0.5	2.5	0.23	0.13	0.33	5.50	7.43	1.00	1.00
5	200	0.2	1.0	5.0	0.46	0.31	0.60	7.54	9.52	1.00	1.00
5	200	0.2	2.0	10.0	0.91	0.66	1.17	8.54	10.74	1.00	1.00
5	200	0.5	0.1	0.2	0.08	0.01	0.14	2.78	4.65	0.71	1.00
5	200	0.5	0.5	1.0	0.38	0.31	0.46	11.79	13.71	1.00	1.00
5	200	0.5	1.0	2.0	0.77	0.68	0.85	17.48	19.47	1.00	1.00
5	200	0.5	2.0	4.0	1.54	1.41	1.67	20.78	22.97	1.00	1.00
5	200	1.0	0.1	0.1	0.07	0.02	0.12	3.74	5.65	0.87	1.00
5	200	1.0	0.5	0.5	0.36	0.31	0.41	17.43	19.45	1.00	1.00
5	200	1.0	1.0	1.0	0.71	0.66	0.77	28.95	31.08	1.00	1.00
5	200	1.0	2.0	2.0	1.43	1.36	1.51	38.52	40.86	1.00	1.00
5	200	2.0	0.1	0.1	0.05	0.02	0.07	4.38	6.47	0.93	1.00
5	200	2.0	0.5	0.3	0.23	0.20	0.25	20.76	22.88	1.00	1.00
5	200	2.0	1.0	0.5	0.46	0.43	0.48	38.53	40.96	1.00	1.00
5	200	2.0	2.0	1.0	0.91	0.88	0.95	62.07	65.45	1.00	1.00
5	1000	0.1	0.2	2.0	0.05	0.01	0.09	119.19	122.78	0.76	1.00
5	1000	0.2	0.1	0.5	0.05	0.01	0.08	2.99	4.71	0.75	1.00
5	1000	0.2	0.5	2.5	0.23	0.19	0.27	12.05	13.86	1.00	1.00
5	1000	0.2	1.0	5.0	0.45	0.39	0.51	16.58	18.45	1.00	1.00
5	1000	0.2	2.0	10.0	0.91	0.80	1.03	19.02	21.10	1.00	1.00
5	1000	0.5	0.1	0.2	0.08	0.05	0.11	6.09	7.99	1.00	1.00
5	1000	0.5	0.5	1.0	0.38	0.35	0.42	26.31	28.15	1.00	1.00
5	1000	0.5	1.0	2.0	0.77	0.73	0.81	38.93	40.91	1.00	1.00
5	1000	0.5	2.0	4.0	1.54	1.48	1.60	46.44	48.66	1.00	1.00
5	1000	1.0	0.1	0.1	0.07	0.05	0.09	8.35	10.40	1.00	1.00
5	1000	1.0	0.5	0.5	0.36	0.34	0.38	38.96	41.10	1.00	1.00
5	1000	1.0	1.0	1.0	0.71	0.69	0.74	64.57	66.57	1.00	1.00
5	1000	1.0	2.0	2.0	1.43	1.39	1.46	86.17	88.52	1.00	1.00
5	1000	2.0	0.1	0.1	0.05	0.03	0.06	9.52	11.62	1.00	1.00

5	1000	2.0	0.5	0.3	0.23	0.21	0.24	46.36	48.44	1.00	1.00
5	1000	2.0	1.0	0.5	0.45	0.44	0.47	86.20	88.58	1.00	1.00
5	1000	2.0	2.0	1.0	0.91	0.89	0.93	138.15	141.05	1.00	1.00
8	10	0.1	0.2	2.0	0.06	-0.33	0.43	15.92	20.79	0.30	1.00
8	10	0.2	0.1	0.5	0.07	-0.27	0.40	1.51	3.00	0.29	1.00
8	10	0.2	0.5	2.5	0.33	-0.15	0.75	2.52	4.82	0.57	1.00
8	10	0.2	1.0	5.0	0.70	-0.05	1.32	3.28	5.82	0.72	1.00
8	10	0.2	2.0	10.0	1.37	-0.12	2.56	3.47	6.14	0.74	1.00
8	10	0.5	0.1	0.2	0.11	-0.15	0.38	1.84	3.91	0.36	1.00
8	10	0.5	0.5	1.0	0.52	0.23	0.82	5.18	7.68	0.96	1.00
8	10	0.5	1.0	2.0	1.02	0.68	1.40	7.22	10.06	1.00	1.00
8	10	0.5	2.0	4.0	2.05	1.51	2.67	8.31	11.38	1.00	1.00
8	10	1.0	0.1	0.1	0.08	-0.10	0.26	2.15	4.35	0.47	1.00
8	10	1.0	0.5	0.5	0.41	0.23	0.60	7.22	10.09	1.00	1.00
8	10	1.0	1.0	1.0	0.82	0.60	1.04	11.79	14.67	1.00	1.00
8	10	1.0	2.0	2.0	1.63	1.33	1.99	15.44	19.31	1.00	1.00
8	10	2.0	0.1	0.1	0.05	-0.05	0.15	2.25	4.60	0.49	1.00
8	10	2.0	0.5	0.3	0.24	0.14	0.35	8.44	11.76	1.00	1.00
8	10	2.0	1.0	0.5	0.48	0.37	0.59	15.62	19.34	1.00	1.00
8	10	2.0	2.0	1.0	0.95	0.81	1.09	24.54	29.73	1.00	1.00
8	30	0.1	0.2	2.0	0.07	-0.14	0.28	26.80	31.64	0.34	1.00
8	30	0.2	0.1	0.5	0.07	-0.12	0.26	1.70	3.49	0.36	1.00
8	30	0.2	0.5	2.5	0.34	0.08	0.59	4.04	6.31	0.87	1.00
8	30	0.2	1.0	5.0	0.69	0.30	1.08	5.20	7.67	0.96	1.00
8	30	0.2	2.0	10.0	1.39	0.63	2.01	5.74	8.45	0.97	1.00
8	30	0.5	0.1	0.2	0.10	-0.06	0.24	2.29	4.39	0.52	1.00
8	30	0.5	0.5	1.0	0.50	0.34	0.67	8.45	10.82	1.00	1.00
8	30	0.5	1.0	2.0	1.01	0.79	1.23	12.01	14.65	1.00	1.00
8	30	0.5	2.0	4.0	2.01	1.71	2.34	14.01	17.18	1.00	1.00
8	30	1.0	0.1	0.1	0.08	-0.02	0.18	2.88	5.14	0.66	1.00
8	30	1.0	0.5	0.5	0.40	0.30	0.51	12.07	15.11	1.00	1.00
8	30	1.0	1.0	1.0	0.80	0.68	0.93	19.70	22.98	1.00	1.00
8	30	1.0	2.0	2.0	1.61	1.44	1.80	25.69	29.26	1.00	1.00
8	30	2.0	0.1	0.1	0.05	-0.01	0.11	3.05	5.57	0.68	1.00
8	30	2.0	0.5	0.3	0.23	0.18	0.29	13.83	16.84	1.00	1.00

8	30	2.0	1.0	0.5	0.47	0.41	0.54	25.81	29.43	1.00	1.00
8	30	2.0	2.0	1.0	0.94	0.87	1.02	41.05	46.12	1.00	1.00
8	50	0.1	0.2	2.0	0.08	-0.08	0.24	34.48	39.44	0.39	1.00
8	50	0.2	0.1	0.5	0.07	-0.08	0.22	1.89	3.77	0.43	1.00
8	50	0.2	0.5	2.5	0.34	0.14	0.55	5.13	7.62	0.95	1.00
8	50	0.2	1.0	5.0	0.69	0.37	0.97	6.66	9.32	0.99	1.00
8	50	0.2	2.0	10.0	1.38	0.82	1.90	7.34	10.06	1.00	1.00
8	50	0.5	0.1	0.2	0.10	-0.02	0.22	2.76	5.17	0.64	1.00
8	50	0.5	0.5	1.0	0.50	0.37	0.62	10.80	13.24	1.00	1.00
8	50	0.5	1.0	2.0	1.00	0.84	1.16	15.35	17.99	1.00	1.00
8	50	0.5	2.0	4.0	2.00	1.76	2.25	17.80	20.81	1.00	1.00
8	50	1.0	0.1	0.1	0.08	-0.01	0.16	3.50	6.01	0.75	1.00
8	50	1.0	0.5	0.5	0.40	0.32	0.48	15.44	18.24	1.00	1.00
8	50	1.0	1.0	1.0	0.81	0.72	0.90	25.21	28.15	1.00	1.00
8	50	1.0	2.0	2.0	1.61	1.48	1.74	33.03	36.80	1.00	1.00
8	50	2.0	0.1	0.1	0.05	0.00	0.09	3.81	6.39	0.81	1.00
8	50	2.0	0.5	0.3	0.24	0.19	0.28	17.81	20.66	1.00	1.00
8	50	2.0	1.0	0.5	0.47	0.42	0.52	33.07	36.86	1.00	1.00
8	50	2.0	2.0	1.0	0.94	0.89	1.00	52.72	57.54	1.00	1.00
8	100	0.1	0.2	2.0	0.07	-0.05	0.18	48.44	52.77	0.49	1.00
8	100	0.2	0.1	0.5	0.07	-0.04	0.17	2.25	4.21	0.53	1.00
8	100	0.2	0.5	2.5	0.34	0.20	0.48	7.25	9.78	1.00	1.00
8	100	0.2	1.0	5.0	0.69	0.48	0.90	9.48	12.05	1.00	1.00
8	100	0.2	2.0	10.0	1.38	0.97	1.75	10.23	12.96	1.00	1.00
8	100	0.5	0.1	0.2	0.10	0.02	0.18	3.75	6.16	0.82	1.00
8	100	0.5	0.5	1.0	0.50	0.41	0.60	15.36	17.84	1.00	1.00
8	100	0.5	1.0	2.0	1.00	0.89	1.11	21.61	24.24	1.00	1.00
8	100	0.5	2.0	4.0	2.00	1.83	2.18	25.10	27.99	1.00	1.00
8	100	1.0	0.1	0.1	0.08	0.02	0.14	4.78	7.49	0.91	1.00
8	100	1.0	0.5	0.5	0.40	0.34	0.46	21.75	24.34	1.00	1.00
8	100	1.0	1.0	1.0	0.80	0.73	0.87	35.51	38.53	1.00	1.00
8	100	1.0	2.0	2.0	1.60	1.50	1.70	46.23	49.88	1.00	1.00
8	100	2.0	0.1	0.1	0.05	0.02	0.08	5.26	7.79	0.95	1.00
8	100	2.0	0.5	0.3	0.24	0.20	0.27	25.21	28.15	1.00	1.00
8	100	2.0	1.0	0.5	0.47	0.44	0.50	46.44	50.07	1.00	1.00

8	100	2.0	2.0	1.0	0.94	0.90	0.99	74.44	79.32	1.00	1.00
8	200	0.1	0.2	2.0	0.08	-0.01	0.15	68.46	73.25	0.67	1.00
8	200	0.2	0.1	0.5	0.07	0.00	0.14	2.80	4.91	0.67	1.00
8	200	0.2	0.5	2.5	0.34	0.24	0.44	10.09	12.48	1.00	1.00
8	200	0.2	1.0	5.0	0.69	0.55	0.85	13.28	15.84	1.00	1.00
8	200	0.2	2.0	10.0	1.38	1.09	1.66	14.55	17.29	1.00	1.00
8	200	0.5	0.1	0.2	0.10	0.04	0.16	5.23	7.71	0.95	1.00
8	200	0.5	0.5	1.0	0.50	0.43	0.57	21.65	24.11	1.00	1.00
8	200	0.5	1.0	2.0	1.00	0.92	1.08	30.64	33.33	1.00	1.00
8	200	0.5	2.0	4.0	2.00	1.88	2.13	35.33	38.16	1.00	1.00
8	200	1.0	0.1	0.1	0.08	0.04	0.12	6.76	9.33	0.99	1.00
8	200	1.0	0.5	0.5	0.40	0.35	0.44	30.52	33.26	1.00	1.00
8	200	1.0	1.0	1.0	0.80	0.76	0.85	50.06	53.12	1.00	1.00
8	200	1.0	2.0	2.0	1.60	1.54	1.67	65.47	68.96	1.00	1.00
8	200	2.0	0.1	0.1	0.05	0.02	0.07	7.17	9.99	1.00	1.00
8	200	2.0	0.5	0.3	0.24	0.21	0.26	35.44	38.29	1.00	1.00
8	200	2.0	1.0	0.5	0.47	0.45	0.50	65.48	69.24	1.00	1.00
8	200	2.0	2.0	1.0	0.94	0.91	0.97	104.49	109.59	1.00	1.00
8	1000	0.1	0.2	2.0	0.08	0.04	0.11	152.82	157.39	0.99	1.00
8	1000	0.2	0.1	0.5	0.07	0.04	0.10	6.14	8.52	0.99	1.00
8	1000	0.2	0.5	2.5	0.34	0.30	0.39	22.77	25.19	1.00	1.00
8	1000	0.2	1.0	5.0	0.69	0.63	0.75	29.52	31.96	1.00	1.00
8	1000	0.2	2.0	10.0	1.38	1.26	1.50	32.26	34.94	1.00	1.00
8	1000	0.5	0.1	0.2	0.10	0.07	0.13	11.72	14.15	1.00	1.00
8	1000	0.5	0.5	1.0	0.50	0.47	0.53	48.29	50.72	1.00	1.00
8	1000	0.5	1.0	2.0	1.00	0.97	1.04	68.49	71.16	1.00	1.00
8	1000	0.5	2.0	4.0	2.00	1.95	2.06	78.86	81.85	1.00	1.00
8	1000	1.0	0.1	0.1	0.08	0.06	0.10	14.85	17.46	1.00	1.00
8	1000	1.0	0.5	0.5	0.40	0.38	0.42	68.46	71.12	1.00	1.00
8	1000	1.0	1.0	1.0	0.80	0.78	0.82	111.73	114.70	1.00	1.00
8	1000	1.0	2.0	2.0	1.60	1.57	1.63	146.16	149.69	1.00	1.00
8	1000	2.0	0.1	0.1	0.05	0.04	0.06	16.22	18.90	1.00	1.00
8	1000	2.0	0.5	0.3	0.24	0.23	0.25	79.02	81.88	1.00	1.00
8	1000	2.0	1.0	0.5	0.47	0.46	0.48	146.22	149.59	1.00	1.00
8	1000	2.0	2.0	1.0	0.94	0.93	0.95	233.17	237.76	1.00	1.00

10	10	0.1	0.2	2.0	0.09	-0.27	0.48	17.78	23.50	0.36	1.00
10	10	0.2	0.1	0.5	0.09	-0.24	0.40	1.82	3.79	0.38	1.00
10	10	0.2	0.5	2.5	0.42	-0.05	0.85	3.34	5.98	0.71	1.00
10	10	0.2	1.0	5.0	0.81	-0.03	1.48	4.07	6.99	0.81	1.00
10	10	0.2	2.0	10.0	1.66	0.16	2.85	4.55	7.86	0.83	1.00
10	10	0.5	0.1	0.2	0.12	-0.14	0.38	2.21	4.66	0.48	1.00
10	10	0.5	0.5	1.0	0.56	0.28	0.87	6.58	9.62	0.98	1.00
10	10	0.5	1.0	2.0	1.13	0.81	1.49	9.32	12.61	1.00	1.00
10	10	0.5	2.0	4.0	2.24	1.72	2.83	10.45	14.25	1.00	1.00
10	10	1.0	0.1	0.1	0.08	-0.08	0.25	2.48	5.05	0.54	1.00
10	10	1.0	0.5	0.5	0.43	0.26	0.61	9.24	12.45	1.00	1.00
10	10	1.0	1.0	1.0	0.85	0.67	1.06	15.20	19.25	1.00	1.00
10	10	1.0	2.0	2.0	1.70	1.43	2.02	19.65	24.41	1.00	1.00
10	10	2.0	0.1	0.1	0.05	-0.04	0.13	2.70	5.29	0.57	1.00
10	10	2.0	0.5	0.3	0.24	0.15	0.33	10.58	14.28	1.00	1.00
10	10	2.0	1.0	0.5	0.48	0.38	0.57	19.64	24.62	1.00	1.00
10	10	2.0	2.0	1.0	0.95	0.84	1.08	31.42	37.92	1.00	1.00
10	30	0.1	0.2	2.0	0.09	-0.12	0.29	29.53	34.79	0.43	1.00
10	30	0.2	0.1	0.5	0.09	-0.10	0.27	2.13	4.29	0.47	1.00
10	30	0.2	0.5	2.5	0.43	0.16	0.68	5.50	8.32	0.95	1.00
10	30	0.2	1.0	5.0	0.84	0.42	1.22	6.76	9.84	0.98	1.00
10	30	0.2	2.0	10.0	1.67	0.86	2.37	7.34	10.47	0.99	1.00
10	30	0.5	0.1	0.2	0.11	-0.05	0.26	2.94	5.56	0.64	1.00
10	30	0.5	0.5	1.0	0.56	0.41	0.71	11.19	13.97	1.00	1.00
10	30	0.5	1.0	2.0	1.12	0.92	1.34	15.42	18.76	1.00	1.00
10	30	0.5	2.0	4.0	2.25	1.94	2.57	17.82	21.42	1.00	1.00
10	30	1.0	0.1	0.1	0.09	0.00	0.18	3.65	6.36	0.76	1.00
10	30	1.0	0.5	0.5	0.42	0.32	0.52	15.52	18.67	1.00	1.00
10	30	1.0	1.0	1.0	0.84	0.72	0.96	25.33	29.07	1.00	1.00
10	30	1.0	2.0	2.0	1.68	1.52	1.86	32.88	37.38	1.00	1.00
10	30	2.0	0.1	0.1	0.05	0.00	0.10	3.77	6.70	0.77	1.00
10	30	2.0	0.5	0.3	0.24	0.19	0.29	17.78	21.06	1.00	1.00
10	30	2.0	1.0	0.5	0.48	0.42	0.54	32.95	37.55	1.00	1.00
10	30	2.0	2.0	1.0	0.95	0.89	1.02	52.21	58.88	1.00	1.00
10	50	0.1	0.2	2.0	0.10	-0.07	0.27	38.17	43.84	0.52	1.00

10	50	0.2	0.1	0.5	0.08	-0.06	0.23	2.31	4.49	0.52	1.00
10	50	0.2	0.5	2.5	0.42	0.22	0.61	6.83	9.61	0.99	1.00
10	50	0.2	1.0	5.0	0.83	0.50	1.11	8.60	11.57	1.00	1.00
10	50	0.2	2.0	10.0	1.66	1.09	2.18	9.26	12.23	1.00	1.00
10	50	0.5	0.1	0.2	0.11	-0.01	0.23	3.65	6.33	0.78	1.00
10	50	0.5	0.5	1.0	0.56	0.43	0.68	14.23	17.12	1.00	1.00
10	50	0.5	1.0	2.0	1.12	0.95	1.27	19.96	23.06	1.00	1.00
10	50	0.5	2.0	4.0	2.23	1.99	2.46	22.78	26.21	1.00	1.00
10	50	1.0	0.1	0.1	0.08	0.01	0.15	4.34	7.23	0.84	1.00
10	50	1.0	0.5	0.5	0.42	0.34	0.49	19.80	23.09	1.00	1.00
10	50	1.0	1.0	1.0	0.84	0.75	0.93	32.30	35.96	1.00	1.00
10	50	1.0	2.0	2.0	1.67	1.55	1.80	42.31	46.92	1.00	1.00
10	50	2.0	0.1	0.1	0.05	0.01	0.09	4.68	7.66	0.88	1.00
10	50	2.0	0.5	0.3	0.24	0.20	0.28	22.79	26.34	1.00	1.00
10	50	2.0	1.0	0.5	0.48	0.44	0.52	42.10	46.28	1.00	1.00
10	50	2.0	2.0	1.0	0.96	0.90	1.01	66.83	72.62	1.00	1.00
10	100	0.1	0.2	2.0	0.09	-0.02	0.20	54.17	59.81	0.63	1.00
10	100	0.2	0.1	0.5	0.08	-0.02	0.18	2.91	5.20	0.67	1.00
10	100	0.2	0.5	2.5	0.42	0.28	0.56	9.58	12.48	1.00	1.00
10	100	0.2	1.0	5.0	0.84	0.60	1.06	12.20	15.37	1.00	1.00
10	100	0.2	2.0	10.0	1.66	1.23	2.06	13.12	16.23	1.00	1.00
10	100	0.5	0.1	0.2	0.11	0.04	0.19	4.89	7.65	0.92	1.00
10	100	0.5	0.5	1.0	0.56	0.48	0.65	20.10	22.72	1.00	1.00
10	100	0.5	1.0	2.0	1.11	1.00	1.23	28.01	31.03	1.00	1.00
10	100	0.5	2.0	4.0	2.23	2.06	2.42	31.98	35.41	1.00	1.00
10	100	1.0	0.1	0.1	0.08	0.03	0.14	6.18	9.10	0.98	1.00
10	100	1.0	0.5	0.5	0.42	0.36	0.47	27.96	30.92	1.00	1.00
10	100	1.0	1.0	1.0	0.83	0.77	0.90	45.33	48.88	1.00	1.00
10	100	1.0	2.0	2.0	1.67	1.58	1.76	59.14	63.51	1.00	1.00
10	100	2.0	0.1	0.1	0.05	0.02	0.07	6.54	9.54	0.97	1.00
10	100	2.0	0.5	0.3	0.24	0.21	0.27	31.98	35.27	1.00	1.00
10	100	2.0	1.0	0.5	0.48	0.44	0.51	59.06	63.27	1.00	1.00
10	100	2.0	2.0	1.0	0.95	0.91	0.99	94.54	100.51	1.00	1.00
10	200	0.1	0.2	2.0	0.10	0.01	0.18	76.00	81.70	0.82	1.00
10	200	0.2	0.1	0.5	0.08	0.02	0.16	3.84	6.47	0.82	1.00

10	200	0.2	0.5	2.5	0.42	0.31	0.51	13.63	16.34	1.00	1.00
10	200	0.2	1.0	5.0	0.83	0.66	0.98	16.98	19.90	1.00	1.00
10	200	0.2	2.0	10.0	1.67	1.36	1.93	18.50	21.67	1.00	1.00
10	200	0.5	0.1	0.2	0.11	0.06	0.17	6.92	9.63	0.99	1.00
10	200	0.5	0.5	1.0	0.56	0.49	0.62	28.46	31.22	1.00	1.00
10	200	0.5	1.0	2.0	1.11	1.04	1.19	39.53	42.77	1.00	1.00
10	200	0.5	2.0	4.0	2.23	2.11	2.35	45.17	48.60	1.00	1.00
10	200	1.0	0.1	0.1	0.08	0.05	0.12	8.65	11.56	1.00	1.00
10	200	1.0	0.5	0.5	0.42	0.37	0.46	39.50	42.73	1.00	1.00
10	200	1.0	1.0	1.0	0.83	0.79	0.88	64.24	67.74	1.00	1.00
10	200	1.0	2.0	2.0	1.67	1.61	1.73	83.35	87.95	1.00	1.00
10	200	2.0	0.1	0.1	0.05	0.03	0.07	9.35	12.40	1.00	1.00
10	200	2.0	0.5	0.3	0.24	0.22	0.26	45.01	48.59	1.00	1.00
10	200	2.0	1.0	0.5	0.48	0.45	0.50	83.45	87.83	1.00	1.00
10	200	2.0	2.0	1.0	0.95	0.93	0.98	132.86	138.59	1.00	1.00
10	1000	0.1	0.2	2.0	0.10	0.06	0.13	169.84	175.14	1.00	1.00
10	1000	0.2	0.1	0.5	0.08	0.05	0.12	8.57	11.09	1.00	1.00
10	1000	0.2	0.5	2.5	0.42	0.37	0.46	30.37	33.05	1.00	1.00
10	1000	0.2	1.0	5.0	0.84	0.77	0.90	38.28	41.27	1.00	1.00
10	1000	0.2	2.0	10.0	1.66	1.54	1.79	41.09	44.13	1.00	1.00
10	1000	0.5	0.1	0.2	0.11	0.08	0.14	15.55	18.42	1.00	1.00
10	1000	0.5	0.5	1.0	0.56	0.53	0.59	63.37	66.14	1.00	1.00
10	1000	0.5	1.0	2.0	1.11	1.08	1.15	88.05	91.21	1.00	1.00
10	1000	0.5	2.0	4.0	2.22	2.17	2.28	100.48	103.94	1.00	1.00
10	1000	1.0	0.1	0.1	0.08	0.07	0.10	19.40	22.33	1.00	1.00
10	1000	1.0	0.5	0.5	0.42	0.40	0.43	88.15	91.26	1.00	1.00
10	1000	1.0	1.0	1.0	0.83	0.81	0.85	143.02	146.45	1.00	1.00
10	1000	1.0	2.0	2.0	1.67	1.64	1.70	186.08	190.38	1.00	1.00
10	1000	2.0	0.1	0.1	0.05	0.04	0.06	20.57	23.72	1.00	1.00
10	1000	2.0	0.5	0.3	0.24	0.23	0.25	100.65	104.06	1.00	1.00
10	1000	2.0	1.0	0.5	0.48	0.47	0.49	186.18	190.89	1.00	1.00
10	1000	2.0	2.0	1.0	0.95	0.94	0.96	296.49	302.17	1.00	1.00
30	10	0.1	0.2	2.0	0.26	-0.14	0.64	26.66	34.96	0.77	1.00
30	10	0.2	0.1	0.5	0.18	-0.10	0.48	4.49	8.36	0.75	1.00
30	10	0.2	0.5	2.5	0.94	0.50	1.37	11.59	17.05	1.00	1.00

30	10	0.2	1.0	5.0	1.92	1.24	2.56	13.51	19.63	1.00	1.00
30	10	0.2	2.0	10.0	3.82	2.38	5.01	13.80	19.97	1.00	1.00
30	10	0.5	0.1	0.2	0.17	-0.02	0.35	6.52	12.01	0.88	1.00
30	10	0.5	0.5	1.0	0.80	0.59	1.02	22.93	29.38	1.00	1.00
30	10	0.5	1.0	2.0	1.61	1.33	1.92	30.52	38.35	1.00	1.00
30	10	0.5	2.0	4.0	3.22	2.75	3.79	33.16	41.59	1.00	1.00
30	10	1.0	0.1	0.1	0.10	0.00	0.20	7.01	12.76	0.89	1.00
30	10	1.0	0.5	0.5	0.47	0.36	0.59	30.33	37.21	1.00	1.00
30	10	1.0	1.0	1.0	0.94	0.81	1.08	48.86	58.46	1.00	1.00
30	10	1.0	2.0	2.0	1.88	1.68	2.09	62.26	75.56	1.00	1.00
30	10	2.0	0.1	0.1	0.05	0.00	0.10	7.17	12.77	0.87	1.00
30	10	2.0	0.5	0.3	0.25	0.19	0.30	33.30	41.46	1.00	1.00
30	10	2.0	1.0	0.5	0.49	0.44	0.55	61.62	73.54	1.00	1.00
30	10	2.0	2.0	1.0	0.99	0.91	1.06	98.69	116.61	1.00	1.00
30	30	0.1	0.2	2.0	0.25	0.02	0.47	45.32	53.67	0.90	1.00
30	30	0.2	0.1	0.5	0.19	0.01	0.36	6.87	11.81	0.91	1.00
30	30	0.2	0.5	2.5	0.94	0.67	1.17	19.60	25.08	1.00	1.00
30	30	0.2	1.0	5.0	1.87	1.46	2.26	22.04	27.98	1.00	1.00
30	30	0.2	2.0	10.0	3.76	3.00	4.44	22.96	28.66	1.00	1.00
30	30	0.5	0.1	0.2	0.16	0.06	0.26	10.20	15.55	0.98	1.00
30	30	0.5	0.5	1.0	0.80	0.68	0.93	38.70	44.17	1.00	1.00
30	30	0.5	1.0	2.0	1.59	1.42	1.77	50.83	57.84	1.00	1.00
30	30	0.5	2.0	4.0	3.17	2.89	3.50	56.04	64.04	1.00	1.00
30	30	1.0	0.1	0.1	0.09	0.04	0.15	11.01	16.36	0.99	1.00
30	30	1.0	0.5	0.5	0.47	0.41	0.53	50.70	58.04	1.00	1.00
30	30	1.0	1.0	1.0	0.94	0.86	1.02	80.91	90.55	1.00	1.00
30	30	1.0	2.0	2.0	1.88	1.77	2.00	103.37	115.20	1.00	1.00
30	30	2.0	0.1	0.1	0.05	0.02	0.08	11.48	17.18	1.00	1.00
30	30	2.0	0.5	0.3	0.25	0.22	0.28	56.25	64.17	1.00	1.00
30	30	2.0	1.0	0.5	0.49	0.46	0.53	103.06	115.36	1.00	1.00
30	30	2.0	2.0	1.0	0.98	0.94	1.02	164.13	181.88	1.00	1.00
30	50	0.1	0.2	2.0	0.26	0.10	0.44	58.13	66.33	0.97	1.00
30	50	0.2	0.1	0.5	0.19	0.06	0.33	8.76	13.66	0.97	1.00
30	50	0.2	0.5	2.5	0.94	0.76	1.13	25.05	30.44	1.00	1.00
30	50	0.2	1.0	5.0	1.87	1.55	2.18	28.12	33.85	1.00	1.00

30	50	0.2	2.0	10.0	3.77	3.22	4.31	29.59	35.23	1.00	1.00
30	50	0.5	0.1	0.2	0.16	0.08	0.24	12.80	18.06	1.00	1.00
30	50	0.5	0.5	1.0	0.79	0.69	0.89	49.57	55.39	1.00	1.00
30	50	0.5	1.0	2.0	1.59	1.45	1.73	65.07	71.93	1.00	1.00
30	50	0.5	2.0	4.0	3.17	2.95	3.41	71.89	79.96	1.00	1.00
30	50	1.0	0.1	0.1	0.09	0.05	0.14	14.39	20.16	1.00	1.00
30	50	1.0	0.5	0.5	0.47	0.42	0.52	65.07	71.85	1.00	1.00
30	50	1.0	1.0	1.0	0.93	0.88	1.00	104.23	113.45	1.00	1.00
30	50	1.0	2.0	2.0	1.88	1.78	1.97	132.46	144.46	1.00	1.00
30	50	2.0	0.1	0.1	0.05	0.03	0.07	14.65	19.93	1.00	1.00
30	50	2.0	0.5	0.3	0.25	0.22	0.27	72.13	79.98	1.00	1.00
30	50	2.0	1.0	0.5	0.49	0.47	0.52	132.19	144.18	1.00	1.00
30	50	2.0	2.0	1.0	0.98	0.95	1.01	210.44	227.95	1.00	1.00
30	100	0.1	0.2	2.0	0.26	0.13	0.39	81.66	90.29	1.00	1.00
30	100	0.2	0.1	0.5	0.19	0.10	0.28	12.23	17.10	1.00	1.00
30	100	0.2	0.5	2.5	0.94	0.81	1.07	35.03	40.13	1.00	1.00
30	100	0.2	1.0	5.0	1.87	1.65	2.08	39.86	45.26	1.00	1.00
30	100	0.2	2.0	10.0	3.75	3.35	4.13	41.33	47.21	1.00	1.00
30	100	0.5	0.1	0.2	0.16	0.10	0.21	18.40	23.45	1.00	1.00
30	100	0.5	0.5	1.0	0.79	0.72	0.86	69.69	75.31	1.00	1.00
30	100	0.5	1.0	2.0	1.58	1.49	1.68	91.36	98.43	1.00	1.00
30	100	0.5	2.0	4.0	3.16	3.01	3.33	101.19	109.23	1.00	1.00
30	100	1.0	0.1	0.1	0.09	0.06	0.12	20.01	25.31	1.00	1.00
30	100	1.0	0.5	0.5	0.47	0.44	0.50	91.13	97.87	1.00	1.00
30	100	1.0	1.0	1.0	0.94	0.90	0.98	145.85	155.67	1.00	1.00
30	100	1.0	2.0	2.0	1.88	1.81	1.94	186.32	198.56	1.00	1.00
30	100	2.0	0.1	0.1	0.05	0.03	0.07	20.75	26.34	1.00	1.00
30	100	2.0	0.5	0.3	0.25	0.23	0.26	100.98	108.55	1.00	1.00
30	100	2.0	1.0	0.5	0.49	0.47	0.51	186.30	197.20	1.00	1.00
30	100	2.0	2.0	1.0	0.98	0.96	1.01	294.87	311.93	1.00	1.00
30	200	0.1	0.2	2.0	0.26	0.17	0.35	115.34	123.47	1.00	1.00
30	200	0.2	0.1	0.5	0.19	0.12	0.25	17.29	22.19	1.00	1.00
30	200	0.2	0.5	2.5	0.94	0.85	1.03	49.73	55.40	1.00	1.00
30	200	0.2	1.0	5.0	1.88	1.72	2.02	56.36	61.97	1.00	1.00
30	200	0.2	2.0	10.0	3.75	3.46	4.02	58.45	64.05	1.00	1.00

30	200	0.5	0.1	0.2	0.16	0.12	0.20	25.81	30.72	1.00	1.00
30	200	0.5	0.5	1.0	0.79	0.74	0.84	98.11	103.90	1.00	1.00
30	200	0.5	1.0	2.0	1.58	1.51	1.65	128.78	135.81	1.00	1.00
30	200	0.5	2.0	4.0	3.16	3.04	3.29	142.12	150.00	1.00	1.00
30	200	1.0	0.1	0.1	0.09	0.07	0.12	28.46	33.90	1.00	1.00
30	200	1.0	0.5	0.5	0.47	0.44	0.49	128.60	135.01	1.00	1.00
30	200	1.0	1.0	1.0	0.94	0.91	0.97	206.01	214.85	1.00	1.00
30	200	1.0	2.0	2.0	1.88	1.83	1.92	262.89	275.22	1.00	1.00
30	200	2.0	0.1	0.1	0.05	0.04	0.06	29.31	34.66	1.00	1.00
30	200	2.0	0.5	0.3	0.25	0.23	0.26	142.49	150.43	1.00	1.00
30	200	2.0	1.0	0.5	0.49	0.48	0.50	262.75	274.25	1.00	1.00
30	200	2.0	2.0	1.0	0.98	0.97	1.00	416.32	433.41	1.00	1.00
30	1000	0.1	0.2	2.0	0.26	0.22	0.30	257.45	265.80	1.00	1.00
30	1000	0.2	0.1	0.5	0.19	0.16	0.21	38.57	43.09	1.00	1.00
30	1000	0.2	0.5	2.5	0.94	0.90	0.98	110.60	116.08	1.00	1.00
30	1000	0.2	1.0	5.0	1.88	1.81	1.95	125.69	131.74	1.00	1.00
30	1000	0.2	2.0	10.0	3.75	3.63	3.87	130.39	136.18	1.00	1.00
30	1000	0.5	0.1	0.2	0.16	0.14	0.18	57.58	62.67	1.00	1.00
30	1000	0.5	0.5	1.0	0.79	0.77	0.81	219.05	224.76	1.00	1.00
30	1000	0.5	1.0	2.0	1.58	1.55	1.61	287.55	294.56	1.00	1.00
30	1000	0.5	2.0	4.0	3.16	3.11	3.21	317.69	326.10	1.00	1.00
30	1000	1.0	0.1	0.1	0.09	0.08	0.10	63.73	69.07	1.00	1.00
30	1000	1.0	0.5	0.5	0.47	0.46	0.48	287.29	294.52	1.00	1.00
30	1000	1.0	1.0	1.0	0.94	0.92	0.95	459.10	468.65	1.00	1.00
30	1000	1.0	2.0	2.0	1.88	1.86	1.90	586.80	598.03	1.00	1.00
30	1000	2.0	0.1	0.1	0.05	0.04	0.05	65.40	70.58	1.00	1.00
30	1000	2.0	0.5	0.3	0.25	0.24	0.25	317.62	325.12	1.00	1.00
30	1000	2.0	1.0	0.5	0.49	0.49	0.50	586.57	598.92	1.00	1.00
30	1000	2.0	2.0	1.0	0.98	0.98	0.99	928.91	946.00	1.00	1.00
50	10	0.1	0.2	2.0	0.39	-0.04	0.78	30.96	42.19	0.90	1.00
50	10	0.2	0.1	0.5	0.25	-0.04	0.53	7.82	14.15	0.90	1.00
50	10	0.2	0.5	2.5	1.29	0.88	1.71	20.53	28.66	1.00	1.00
50	10	0.2	1.0	5.0	2.53	1.88	3.22	22.54	30.92	1.00	1.00
50	10	0.2	2.0	10.0	5.08	3.73	6.31	23.54	32.34	1.00	1.00
50	10	0.5	0.1	0.2	0.18	0.03	0.33	11.09	18.56	0.96	1.00

50	10	0.5	0.5	1.0	0.87	0.70	1.08	40.08	49.60	1.00	1.00
50	10	0.5	1.0	2.0	1.75	1.49	2.05	51.77	63.86	1.00	1.00
50	10	0.5	2.0	4.0	3.49	3.03	4.02	56.54	68.51	1.00	1.00
50	10	1.0	0.1	0.1	0.10	0.02	0.18	11.57	19.48	0.96	1.00
50	10	1.0	0.5	0.5	0.48	0.39	0.57	51.64	62.94	1.00	1.00
50	10	1.0	1.0	1.0	0.96	0.86	1.07	82.35	98.55	1.00	1.00
50	10	1.0	2.0	2.0	1.93	1.77	2.12	104.64	126.41	1.00	1.00
50	10	2.0	0.1	0.1	0.05	0.01	0.09	11.75	19.49	0.96	1.00
50	10	2.0	0.5	0.3	0.25	0.21	0.29	56.69	69.59	1.00	1.00
50	10	2.0	1.0	0.5	0.49	0.45	0.54	104.38	125.72	1.00	1.00
50	10	2.0	2.0	1.0	0.99	0.94	1.05	165.37	195.64	1.00	1.00
50	30	0.1	0.2	2.0	0.40	0.18	0.61	51.99	61.66	0.99	1.00
50	30	0.2	0.1	0.5	0.25	0.10	0.41	12.77	19.41	0.99	1.00
50	30	0.2	0.5	2.5	1.26	1.04	1.50	34.08	41.20	1.00	1.00
50	30	0.2	1.0	5.0	2.52	2.15	2.87	37.61	45.36	1.00	1.00
50	30	0.2	2.0	10.0	5.02	4.35	5.73	38.51	46.92	1.00	1.00
50	30	0.5	0.1	0.2	0.17	0.09	0.26	17.60	24.55	1.00	1.00
50	30	0.5	0.5	1.0	0.87	0.76	0.98	66.40	76.26	1.00	1.00
50	30	0.5	1.0	2.0	1.73	1.59	1.90	86.01	97.17	1.00	1.00
50	30	0.5	2.0	4.0	3.47	3.21	3.76	94.70	107.33	1.00	1.00
50	30	1.0	0.1	0.1	0.10	0.05	0.14	19.24	26.33	1.00	1.00
50	30	1.0	0.5	0.5	0.48	0.43	0.53	85.77	96.22	1.00	1.00
50	30	1.0	1.0	1.0	0.96	0.91	1.03	136.85	152.43	1.00	1.00
50	30	1.0	2.0	2.0	1.92	1.83	2.02	174.59	194.52	1.00	1.00
50	30	2.0	0.1	0.1	0.05	0.03	0.07	19.53	27.14	1.00	1.00
50	30	2.0	0.5	0.3	0.25	0.23	0.27	94.69	107.72	1.00	1.00
50	30	2.0	1.0	0.5	0.49	0.47	0.52	173.93	193.09	1.00	1.00
50	30	2.0	2.0	1.0	0.99	0.96	1.02	275.59	304.82	1.00	1.00
50	50	0.1	0.2	2.0	0.40	0.23	0.56	66.99	77.26	1.00	1.00
50	50	0.2	0.1	0.5	0.25	0.14	0.37	16.65	22.68	1.00	1.00
50	50	0.2	0.5	2.5	1.25	1.08	1.43	43.82	51.05	1.00	1.00
50	50	0.2	1.0	5.0	2.51	2.22	2.80	48.32	56.07	1.00	1.00
50	50	0.2	2.0	10.0	5.01	4.51	5.54	49.84	58.00	1.00	1.00
50	50	0.5	0.1	0.2	0.17	0.11	0.24	22.89	29.94	1.00	1.00
50	50	0.5	0.5	1.0	0.87	0.78	0.96	84.96	93.91	1.00	1.00

50	50	0.5	1.0	2.0	1.72	1.61	1.85	110.15	121.32	1.00	1.00
50	50	0.5	2.0	4.0	3.46	3.26	3.68	120.86	132.83	1.00	1.00
50	50	1.0	0.1	0.1	0.10	0.06	0.13	24.30	31.63	1.00	1.00
50	50	1.0	0.5	0.5	0.48	0.44	0.52	110.24	120.62	1.00	1.00
50	50	1.0	1.0	1.0	0.96	0.92	1.01	175.40	190.69	1.00	1.00
50	50	1.0	2.0	2.0	1.92	1.85	2.00	222.77	239.73	1.00	1.00
50	50	2.0	0.1	0.1	0.05	0.03	0.07	24.87	32.23	1.00	1.00
50	50	2.0	0.5	0.3	0.25	0.23	0.27	121.04	132.84	1.00	1.00
50	50	2.0	1.0	0.5	0.50	0.48	0.52	223.58	242.93	1.00	1.00
50	50	2.0	2.0	1.0	0.99	0.96	1.02	353.34	382.11	1.00	1.00
50	100	0.1	0.2	2.0	0.40	0.27	0.52	93.87	103.96	1.00	1.00
50	100	0.2	0.1	0.5	0.25	0.17	0.34	23.54	29.41	1.00	1.00
50	100	0.2	0.5	2.5	1.25	1.13	1.38	61.13	68.43	1.00	1.00
50	100	0.2	1.0	5.0	2.50	2.29	2.70	67.56	75.54	1.00	1.00
50	100	0.2	2.0	10.0	5.01	4.64	5.38	69.27	76.98	1.00	1.00
50	100	0.5	0.1	0.2	0.17	0.13	0.22	32.24	39.09	1.00	1.00
50	100	0.5	0.5	1.0	0.86	0.81	0.92	119.55	128.25	1.00	1.00
50	100	0.5	1.0	2.0	1.73	1.64	1.82	155.15	165.92	1.00	1.00
50	100	0.5	2.0	4.0	3.45	3.31	3.60	170.34	181.99	1.00	1.00
50	100	1.0	0.1	0.1	0.10	0.07	0.12	34.46	41.61	1.00	1.00
50	100	1.0	0.5	0.5	0.48	0.46	0.51	155.23	165.87	1.00	1.00
50	100	1.0	1.0	1.0	0.96	0.93	0.99	246.15	260.67	1.00	1.00
50	100	1.0	2.0	2.0	1.92	1.87	1.98	313.84	332.24	1.00	1.00
50	100	2.0	0.1	0.1	0.05	0.04	0.06	34.95	42.07	1.00	1.00
50	100	2.0	0.5	0.3	0.25	0.23	0.26	169.98	181.81	1.00	1.00
50	100	2.0	1.0	0.5	0.49	0.48	0.51	313.10	331.94	1.00	1.00
50	100	2.0	2.0	1.0	0.99	0.97	1.01	495.84	523.79	1.00	1.00
50	200	0.1	0.2	2.0	0.40	0.31	0.49	132.12	142.02	1.00	1.00
50	200	0.2	0.1	0.5	0.25	0.19	0.31	33.02	38.91	1.00	1.00
50	200	0.2	0.5	2.5	1.25	1.16	1.33	86.30	93.40	1.00	1.00
50	200	0.2	1.0	5.0	2.50	2.35	2.65	95.49	103.49	1.00	1.00
50	200	0.2	2.0	10.0	5.01	4.74	5.29	98.31	106.55	1.00	1.00
50	200	0.5	0.1	0.2	0.17	0.14	0.21	45.20	52.30	1.00	1.00
50	200	0.5	0.5	1.0	0.86	0.82	0.91	168.57	177.18	1.00	1.00
50	200	0.5	1.0	2.0	1.72	1.67	1.78	218.24	229.44	1.00	1.00

50	200	0.5	2.0	4.0	3.45	3.34	3.56	239.81	251.55	1.00	1.00
50	200	1.0	0.1	0.1	0.10	0.08	0.11	48.35	55.28	1.00	1.00
50	200	1.0	0.5	0.5	0.48	0.46	0.50	218.59	229.08	1.00	1.00
50	200	1.0	1.0	1.0	0.96	0.94	0.99	347.00	361.40	1.00	1.00
50	200	1.0	2.0	2.0	1.92	1.89	1.96	442.98	463.10	1.00	1.00
50	200	2.0	0.1	0.1	0.05	0.04	0.06	49.47	56.44	1.00	1.00
50	200	2.0	0.5	0.3	0.25	0.24	0.26	239.48	250.82	1.00	1.00
50	200	2.0	1.0	0.5	0.49	0.48	0.50	442.41	460.11	1.00	1.00
50	200	2.0	2.0	1.0	0.99	0.98	1.00	699.49	727.71	1.00	1.00
50	1000	0.1	0.2	2.0	0.40	0.36	0.44	294.90	304.54	1.00	1.00
50	1000	0.2	0.1	0.5	0.25	0.22	0.28	73.73	80.00	1.00	1.00
50	1000	0.2	0.5	2.5	1.25	1.21	1.29	192.88	199.48	1.00	1.00
50	1000	0.2	1.0	5.0	2.50	2.43	2.56	213.01	220.52	1.00	1.00
50	1000	0.2	2.0	10.0	5.00	4.88	5.11	219.50	227.21	1.00	1.00
50	1000	0.5	0.1	0.2	0.17	0.16	0.19	101.16	107.79	1.00	1.00
50	1000	0.5	0.5	1.0	0.86	0.84	0.88	376.69	384.87	1.00	1.00
50	1000	0.5	1.0	2.0	1.72	1.70	1.75	487.56	498.15	1.00	1.00
50	1000	0.5	2.0	4.0	3.45	3.40	3.50	534.70	546.45	1.00	1.00
50	1000	1.0	0.1	0.1	0.10	0.09	0.10	107.87	115.21	1.00	1.00
50	1000	1.0	0.5	0.5	0.48	0.47	0.49	487.86	498.90	1.00	1.00
50	1000	1.0	1.0	1.0	0.96	0.95	0.97	775.10	790.21	1.00	1.00
50	1000	1.0	2.0	2.0	1.92	1.91	1.94	986.58	1005.82	1.00	1.00
50	1000	2.0	0.1	0.1	0.05	0.05	0.05	110.12	117.01	1.00	1.00
50	1000	2.0	0.5	0.3	0.25	0.24	0.25	534.69	546.87	1.00	1.00
50	1000	2.0	1.0	0.5	0.50	0.49	0.50	986.81	1005.07	1.00	1.00
50	1000	2.0	2.0	1.0	0.99	0.98	1.00	1561.98	1589.83	1.00	1.00
100	10	0.1	0.2	2.0	0.67	0.29	1.05	35.41	49.98	0.99	1.00
100	10	0.2	0.1	0.5	0.34	0.12	0.57	17.61	27.58	0.99	1.00
100	10	0.2	0.5	2.5	1.71	1.36	2.14	42.68	54.69	1.00	1.00
100	10	0.2	1.0	5.0	3.42	2.78	4.10	45.95	60.53	1.00	1.00
100	10	0.2	2.0	10.0	6.82	5.69	8.12	46.90	60.42	1.00	1.00
100	10	0.5	0.1	0.2	0.19	0.08	0.30	22.21	33.50	1.00	1.00
100	10	0.5	0.5	1.0	0.94	0.80	1.09	81.63	99.19	1.00	1.00
100	10	0.5	1.0	2.0	1.87	1.64	2.13	105.78	127.69	1.00	1.00
100	10	0.5	2.0	4.0	3.74	3.36	4.18	114.56	136.92	1.00	1.00

100	10	1.0	0.1	0.1	0.10	0.04	0.16	23.50	35.32	1.00	1.00
100	10	1.0	0.5	0.5	0.49	0.43	0.56	105.26	126.57	1.00	1.00
100	10	1.0	1.0	1.0	0.98	0.91	1.06	167.28	200.10	1.00	1.00
100	10	1.0	2.0	2.0	1.97	1.85	2.10	210.34	250.59	1.00	1.00
100	10	2.0	0.1	0.1	0.05	0.02	0.08	23.73	36.10	1.00	1.00
100	10	2.0	0.5	0.3	0.25	0.22	0.28	114.83	138.03	1.00	1.00
100	10	2.0	1.0	0.5	0.50	0.46	0.53	211.26	251.28	1.00	1.00
100	10	2.0	2.0	1.0	1.00	0.96	1.04	333.90	396.65	1.00	1.00
100	30	0.1	0.2	2.0	0.66	0.45	0.89	59.54	73.11	1.00	1.00
100	30	0.2	0.1	0.5	0.34	0.20	0.47	29.80	39.21	1.00	1.00
100	30	0.2	0.5	2.5	1.68	1.44	1.92	70.58	82.84	1.00	1.00
100	30	0.2	1.0	5.0	3.36	3.00	3.77	76.47	89.24	1.00	1.00
100	30	0.2	2.0	10.0	6.72	6.00	7.50	78.15	91.32	1.00	1.00
100	30	0.5	0.1	0.2	0.19	0.12	0.25	37.20	47.60	1.00	1.00
100	30	0.5	0.5	1.0	0.93	0.85	1.01	136.35	151.54	1.00	1.00
100	30	0.5	1.0	2.0	1.86	1.74	1.98	175.15	196.88	1.00	1.00
100	30	0.5	2.0	4.0	3.72	3.50	3.96	189.60	213.40	1.00	1.00
100	30	1.0	0.1	0.1	0.10	0.07	0.13	38.35	48.64	1.00	1.00
100	30	1.0	0.5	0.5	0.49	0.45	0.53	175.31	196.97	1.00	1.00
100	30	1.0	1.0	1.0	0.98	0.93	1.03	276.95	308.21	1.00	1.00
100	30	1.0	2.0	2.0	1.96	1.89	2.03	349.13	388.96	1.00	1.00
100	30	2.0	0.1	0.1	0.05	0.03	0.07	39.17	50.17	1.00	1.00
100	30	2.0	0.5	0.3	0.25	0.23	0.27	190.11	212.57	1.00	1.00
100	30	2.0	1.0	0.5	0.50	0.48	0.52	352.19	389.29	1.00	1.00
100	30	2.0	2.0	1.0	0.99	0.97	1.02	555.36	609.85	1.00	1.00
100	50	0.1	0.2	2.0	0.67	0.49	0.84	75.66	88.91	1.00	1.00
100	50	0.2	0.1	0.5	0.34	0.24	0.44	38.30	47.64	1.00	1.00
100	50	0.2	0.5	2.5	1.68	1.51	1.85	90.47	102.67	1.00	1.00
100	50	0.2	1.0	5.0	3.35	3.07	3.65	97.67	109.83	1.00	1.00
100	50	0.2	2.0	10.0	6.70	6.16	7.29	99.95	112.33	1.00	1.00
100	50	0.5	0.1	0.2	0.19	0.14	0.23	47.74	58.23	1.00	1.00
100	50	0.5	0.5	1.0	0.93	0.86	0.99	175.04	192.35	1.00	1.00
100	50	0.5	1.0	2.0	1.86	1.76	1.96	223.08	242.31	1.00	1.00
100	50	0.5	2.0	4.0	3.71	3.53	3.89	244.29	266.63	1.00	1.00
100	50	1.0	0.1	0.1	0.10	0.07	0.12	49.28	60.04	1.00	1.00

100	50	1.0	0.5	0.5	0.49	0.46	0.52	223.55	242.89	1.00	1.00
100	50	1.0	1.0	1.0	0.98	0.95	1.02	353.89	383.04	1.00	1.00
100	50	1.0	2.0	2.0	1.96	1.91	2.02	448.21	485.52	1.00	1.00
100	50	2.0	0.1	0.1	0.05	0.04	0.06	50.28	60.54	1.00	1.00
100	50	2.0	0.5	0.3	0.25	0.24	0.26	244.22	267.04	1.00	1.00
100	50	2.0	1.0	0.5	0.50	0.48	0.51	449.79	490.69	1.00	1.00
100	50	2.0	2.0	1.0	1.00	0.98	1.01	712.43	772.87	1.00	1.00
100	100	0.1	0.2	2.0	0.67	0.55	0.80	106.94	118.97	1.00	1.00
100	100	0.2	0.1	0.5	0.33	0.26	0.41	53.41	62.71	1.00	1.00
100	100	0.2	0.5	2.5	1.67	1.55	1.80	127.11	139.11	1.00	1.00
100	100	0.2	1.0	5.0	3.35	3.16	3.57	137.35	149.67	1.00	1.00
100	100	0.2	2.0	10.0	6.67	6.28	7.07	140.65	153.78	1.00	1.00
100	100	0.5	0.1	0.2	0.18	0.15	0.22	66.63	76.80	1.00	1.00
100	100	0.5	0.5	1.0	0.93	0.88	0.97	245.54	262.28	1.00	1.00
100	100	0.5	1.0	2.0	1.85	1.78	1.93	314.17	334.33	1.00	1.00
100	100	0.5	2.0	4.0	3.71	3.58	3.84	342.08	363.64	1.00	1.00
100	100	1.0	0.1	0.1	0.10	0.08	0.11	69.63	80.33	1.00	1.00
100	100	1.0	0.5	0.5	0.49	0.47	0.51	313.72	333.94	1.00	1.00
100	100	1.0	1.0	1.0	0.98	0.96	1.01	497.94	526.38	1.00	1.00
100	100	1.0	2.0	2.0	1.96	1.93	2.00	632.29	670.77	1.00	1.00
100	100	2.0	0.1	0.1	0.05	0.04	0.06	71.02	82.13	1.00	1.00
100	100	2.0	0.5	0.3	0.25	0.24	0.26	343.07	365.99	1.00	1.00
100	100	2.0	1.0	0.5	0.50	0.49	0.51	630.75	669.04	1.00	1.00
100	100	2.0	2.0	1.0	1.00	0.98	1.01	997.91	1052.61	1.00	1.00
100	200	0.1	0.2	2.0	0.67	0.58	0.75	150.70	163.55	1.00	1.00
100	200	0.2	0.1	0.5	0.33	0.28	0.38	75.01	83.75	1.00	1.00
100	200	0.2	0.5	2.5	1.67	1.58	1.75	179.01	190.88	1.00	1.00
100	200	0.2	1.0	5.0	3.34	3.19	3.48	193.83	206.31	1.00	1.00
100	200	0.2	2.0	10.0	6.67	6.40	6.94	197.89	210.46	1.00	1.00
100	200	0.5	0.1	0.2	0.19	0.16	0.21	94.39	104.53	1.00	1.00
100	200	0.5	0.5	1.0	0.93	0.90	0.96	345.72	361.17	1.00	1.00
100	200	0.5	1.0	2.0	1.85	1.81	1.90	442.93	463.87	1.00	1.00
100	200	0.5	2.0	4.0	3.71	3.62	3.80	483.25	504.62	1.00	1.00
100	200	1.0	0.1	0.1	0.10	0.09	0.11	98.32	108.66	1.00	1.00
100	200	1.0	0.5	0.5	0.49	0.48	0.51	442.99	462.00	1.00	1.00

100	200	1.0	1.0	1.0	0.98	0.96	1.00	701.55	730.88	1.00	1.00
100	200	1.0	2.0	2.0	1.96	1.93	1.99	892.17	929.43	1.00	1.00
100	200	2.0	0.1	0.1	0.05	0.04	0.06	99.71	110.97	1.00	1.00
100	200	2.0	0.5	0.3	0.25	0.24	0.26	483.02	505.03	1.00	1.00
100	200	2.0	1.0	0.5	0.50	0.49	0.50	891.37	927.51	1.00	1.00
100	200	2.0	2.0	1.0	1.00	0.99	1.00	1408.61	1466.49	1.00	1.00
100	1000	0.1	0.2	2.0	0.67	0.63	0.70	336.23	348.62	1.00	1.00
100	1000	0.2	0.1	0.5	0.33	0.31	0.36	168.28	177.19	1.00	1.00
100	1000	0.2	0.5	2.5	1.67	1.63	1.71	400.19	411.37	1.00	1.00
100	1000	0.2	1.0	5.0	3.34	3.27	3.40	432.88	444.85	1.00	1.00
100	1000	0.2	2.0	10.0	6.67	6.55	6.79	441.64	454.47	1.00	1.00
100	1000	0.5	0.1	0.2	0.19	0.17	0.20	210.43	220.87	1.00	1.00
100	1000	0.5	0.5	1.0	0.93	0.91	0.94	771.64	787.99	1.00	1.00
100	1000	0.5	1.0	2.0	1.85	1.83	1.88	987.40	1006.82	1.00	1.00
100	1000	0.5	2.0	4.0	3.70	3.66	3.75	1077.63	1099.24	1.00	1.00
100	1000	1.0	0.1	0.1	0.10	0.09	0.10	219.31	230.33	1.00	1.00
100	1000	1.0	0.5	0.5	0.49	0.48	0.50	987.38	1007.89	1.00	1.00
100	1000	1.0	1.0	1.0	0.98	0.97	0.99	1565.94	1596.28	1.00	1.00
100	1000	1.0	2.0	2.0	1.96	1.95	1.97	1986.86	2022.79	1.00	1.00
100	1000	2.0	0.1	0.1	0.05	0.05	0.05	221.35	231.84	1.00	1.00
100	1000	2.0	0.5	0.3	0.25	0.25	0.25	1077.40	1099.08	1.00	1.00
100	1000	2.0	1.0	0.5	0.50	0.49	0.50	1988.06	2024.25	1.00	1.00
100	1000	2.0	2.0	1.0	1.00	0.99	1.00	3142.99	3201.60	1.00	1.00
200	10	0.1	0.2	2.0	1.01	0.67	1.38	38.19	55.73	1.00	1.00
200	30	0.1	0.2	2.0	1.01	0.82	1.20	63.95	80.04	1.00	1.00
200	50	0.1	0.2	2.0	1.00	0.85	1.16	82.22	98.10	1.00	1.00
200	100	0.1	0.2	2.0	1.00	0.89	1.11	115.57	131.69	1.00	1.00
200	200	0.1	0.2	2.0	1.00	0.92	1.08	163.07	179.45	1.00	1.00
200	1000	0.1	0.2	2.0	1.00	0.96	1.04	364.29	380.01	1.00	1.00
1000	10	0.1	0.2	2.0	1.70	1.42	2.02	40.93	75.10	1.00	1.00
1000	30	0.1	0.2	2.0	1.68	1.52	1.85	68.18	99.85	1.00	1.00
1000	50	0.1	0.2	2.0	1.67	1.54	1.80	88.52	121.27	1.00	1.00
1000	100	0.1	0.2	2.0	1.67	1.57	1.76	123.93	155.63	1.00	1.00
1000	200	0.1	0.2	2.0	1.67	1.60	1.73	177.03	209.55	1.00	1.00
1000	1000	0.1	0.2	2.0	1.67	1.64	1.70	392.68	425.43	1.00	1.00