$$\begin{cases}
\int_{2}^{\infty} \int_{2}^{\infty} dx \, dx = -\left[\frac{1}{2}\right]_{1}^{\infty} = \frac{1}{2} \\
\int_{2}^{\infty} \int_{2}^{\infty} dx \, dx = -\left[\frac{1}{2}\right]_{1}^{\infty} = \frac{1}{2}
\end{cases}$$

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$$\begin{cases}
\int_{2}^{\infty} \int$$

 $\frac{1}{m} \sum_{k=0}^{m-1} \ln \left(1 - 2d \cos \frac{\pi k}{m} + d^{2} \right) = \frac{1}{m} \sum_{k=0}^{m} \ln \left(d - \cos \frac{\pi k}{m} + i \sin \frac{\pi k}{m} \right) \left(d - \cos \frac{\pi k}{m} + i \sin \frac{\pi k}{m} \right) \\
= \frac{1}{m} \ln \left(\frac{11}{k=0} \left(d - \cos \frac{\pi k}{m} - i \sin \frac{\pi k}{m} \right) \frac{11}{k=0} \left(d - \cos \frac{\pi k}{m} + i \sin \frac{\pi k}{m} \right) \\
= \frac{1}{m} \ln \left(\frac{11}{k=0} \left(d - \cos \frac{\pi (k-2n)}{m} + i \sin \frac{\pi (k-2n)}{m} \right) \right) \\
= \frac{1}{m} \ln \left(d - \cos \frac{\pi (k-2n)}{m} + i \sin \left(-\frac{\pi (k-2n)}{m} \right) \right) \\
= \frac{1}{m} \ln \left(d - \cos \frac{\pi (k-2n)}{m} + i \sin \left(-\frac{\pi (k-2n)}{m} \right) \right) \\
= \frac{1}{m} \ln \left(d - \cos \frac{\pi (k-2n)}{m} + i \sin \left(-\frac{\pi (k-2n)}{m} \right) \right)$

$$= \frac{A}{n} \ln \left(\frac{2\pi}{11} \left(d - \cos \frac{\pi}{n} - \sin \frac{\pi}{n} \right) \right)$$

$$= \frac{A}{n} \ln \left(\left[\frac{2\pi}{11} \left(d - \cos \frac{\pi}{n} - \sin \frac{\pi}{n} \right) \right] \frac{d - \cos \frac{\pi}{n} - \sin \frac{\pi}{n}}{d - \cos \frac{\pi}{n} - \sin \frac{\pi}{n}}$$

$$= \frac{A}{n} \ln \left(\left[\frac{2\pi}{11} \left(d - 2\pi \right) \right] \right) \ln L + 2\pi = \cos \frac{\pi}{n} - \sin \frac{\pi}{n}$$

$$= \frac{A}{n} \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \left(d - 2\pi \right) \right) \ln L + 2\pi = \cos \frac{\pi}{n} - \sin \frac{\pi}{n}$$

$$= \frac{A}{n} \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \left(d - 2\pi \right) \right) \ln L + 2\pi = \cos \frac{\pi}{n} + \sin \frac{\pi}{n}$$

$$= \frac{A}{n} \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \left(d - 2\pi \right) \right) \ln L + 2\pi = \cos \frac{\pi}{n}$$

$$= \frac{A}{n} \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \right) \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \left(d - 2\pi \right) \right) \ln L + 2\pi = \cos \frac{\pi}{n}$$

$$= \frac{A}{n} \ln \left(\frac{d - 2\pi}{d \sin \frac{\pi}{n}} \right) \ln \left(\frac{d - 2\pi}{n} \right) \ln$$

(4)
$$\int_{0}^{\infty} x' = \lim_{n \to \infty} \left[\frac{x^{n}}{x^{n}} \right]_{0}^{n} = \frac{x^{n}}{x^{n}} = \frac{x$$