$$\frac{1}{3\pi} \int_{0}^{3\pi} \int_{0}^{3\pi}$$

$$I_{K} = \int_{X}^{1} e^{x-1} dx \quad K = 1, 2, 3...$$

$$I_{A} = \int_{X}^{1} e^{x-1} dx = xe^{x-1} \Big|_{0}^{1} - \int_{0}^{1} e^{x-1} dx = 1$$

$$I_{A} = \int_{0}^{1} e^{x-1} dx = xe^{x-1} \Big|_{0}^{1} - \int_{0}^{1} e^{x-1} dx = 1$$

$$I_{K} = 1 - K I_{K-1}$$

$$I_{K} = 1 - K I_{K-1}$$

$$I_{K} + K I_{K-1} = 1$$

$$\int_{0}^{1} x e^{x-1} dx + K \int_{0}^{1} x e^{x-1} dx = 1$$

$$\int_{0}^{1} x e^{x-1} dx + K \int_{0}^{1} x e^{x-1} dx = 1$$

$$\int_{0}^{1} x e^{x-1} dx + K \int_{0}^{1} x e^{x-1} dx = 1$$

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