$= 1 - \left(\sum_{k=0}^{n} \frac{e^{-n} n^k}{k!} + \frac{e^{-n} n^n}{n!} \right)$

1

Take this limit:

Note:

\[\frac{1}{2} = | - \frac{1}{2} + | \text{im } \frac{e^{-n}n^{n}}{n!} \]

= \frac{1}{2} + | \text{im } \frac{e^{-n}n^{n}}{n!} \]

5. 0=limenn

DDAA