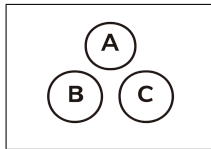
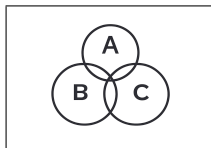


C Poisson Random Variable C

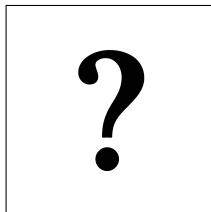


$$\lambda = 1$$



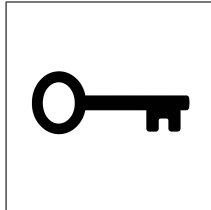
$$P(X = k) = e^{-\lambda} \frac{\lambda^k}{k!}$$

$$P(X = 0) = e^{-1} \frac{1^0}{0!} = e^{-1} \approx \boxed{0.37}$$



$$\lambda = 15$$

C Poisson Random Variable C



$$P(X = 0) = e^{-\lambda} \frac{\lambda^0}{0!} = e^{-15} = e^{-15} \approx 3.06 \times 10^{-7}$$