$$\begin{aligned} & \text{IVA}. p(x+x_{k}=k) = \sum_{i=0}^{k} p(x_{i-1}, x_{k}=k-1) = \sum_{i=0}^{k} e^{\lambda_{1}} \frac{(\lambda_{1})^{i}}{(k+1)!} = \frac{e^{(\lambda_{1}+\lambda_{2})}}{(k+1)!} \frac{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})} \frac{(\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})} \frac{(\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{1}\lambda_{2})^{k}}{\sum_{i=0}^{k} (\lambda_{1}\lambda_{1}\lambda_{2})^{k}} \frac{(\lambda_{1}\lambda_{1}\lambda_{$$

- Possion 120 Fp

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

有① X1+X2 ~ P(x1+x2)

$$P(X_{1} \in S \mid N(t) = 1) = P(X_{1} \leq S, N(t) = 1) = P(L_{0}, S) infor(, L_{0}, S = 1))$$

$$P(N(t) = 1) = P(N(t) = 1)$$

$$P(N(t) = 1) = P(L_{0}, S = 1)$$

$$P(N(t) = 1)$$

[o, s-t]

(t>s)