Set 5. $F(x) = \frac{2}{x} \times \frac{e^{-\lambda} x}{x!}$ $F(x) = \frac{2}{x} \times \frac{e^{-\lambda} x}{x!} = \frac{2}{x} \times \frac{e^{-\lambda} x}{x!}$

 $= \underbrace{\overset{\circ}{\mathcal{E}}}_{x=1}^{e} \underbrace{\overset{\circ}{(x-1)!}}_{x=1}^{x}$ $= \underbrace{\overset{\circ}{\mathcal{E}}}_{x=1}^{e} \underbrace{\overset{\circ}{(x-1)!}}_{x=1}^{x}$

$$\sum_{x \in X} \rho(x = x \mid x) = \frac{e^{-\lambda} x^{x}}{x!}$$

 $= \underbrace{e^{n\lambda} x^{2\lambda_i}}_{\substack{\uparrow\uparrow x_i \downarrow \\ \downarrow x_i}}$ $I_n L(X|X) = -n\lambda + \underbrace{e}_{ix_i} x_i | n\lambda - I_n(\underbrace{\uparrow\uparrow}_{ix_i} x_i)$

B.
$$d \ln L(\lambda | x) = -n_{\dagger} \frac{z x_{i}}{\lambda} = 0$$

$$= b_{3}(1-b_{p-1})(k-1)$$

$$= b_{3}(1-b_{p-1$$

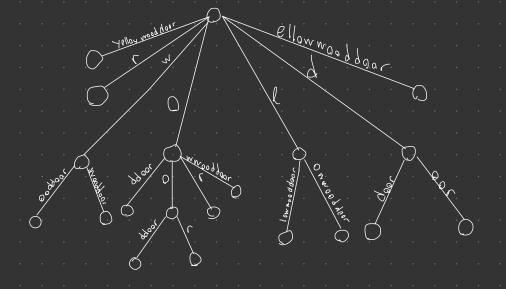
$$\rho(z=z)=\begin{pmatrix} z-1 \\ r-1 \end{pmatrix} \rho(1-\rho)$$
, $z=r,r+1$...

Show
$$x+y \sim neghinom(2,p)$$

$$p(z=z) = {z-1 \choose 1} p(1-p)^{z-2} = (k-1)(1-p)^{k-2} p^{2}$$

$$+or z=2,3,...$$

$$+or k=2,3,...$$



Problem3 Link

Problem5 Link