h² 1 X = {v. l. che reporesente il numero di chiomote sul Telefono personale z J= {v. R. che rappresenta il nunero di chiemate sul telefono si lovoro) $\times 1(3)$ -1(6)A) $P(y=0)=e^{-6}$ $\frac{6}{0!}=e^{-6}$ $e) \Gamma(X+Y \leq 3) = ?$ X+9= n° di telefonate ricevute X+ y ~ L (3+6) => X+ /2 L (9)

X dots X+7=n.

Se
$$0 \le k \le n$$
 $p_{x|x+y}(k|n) = P(x = k, x + y = n) = P(x + y = n)$
 $= P(x = k, y = n - k) = P(x + y = n)$
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La media Vale
$$h \cdot \frac{1}{3}$$
;

 $h^{3}2$ $g(x) = \begin{cases} x + 2 \\ 2 \\ 1 \end{cases} \times \varepsilon[-2, -1]$
 $1|2 \times \varepsilon[-1, 1]$
 $(2-x) \times \varepsilon[1, 2]$
 0 altimenth:

a) $E(x) = \begin{cases} +\infty \\ -\infty \end{cases} f(x) dx = \begin{cases} -1 \\ 2 \\ 2 \end{cases} + \begin{cases} 1 \\ 2 \\ 2 \end{cases} dx = \begin{cases} -1 \\ 2 \\ 2 \end{cases} + \begin{cases} 1 \\ 2 \\ 2 \end{cases} dx = \begin{cases} -1 \\ 2 \\ 2 \end{cases} + \begin{cases} 1 \\ 2 \\ 2 \end{cases} dx = \begin{cases} -1 \\ 2 \end{cases} dx = \begin{cases} -1 \\ 2 \\ 2 \end{cases} dx = \begin{cases} -1 \\ 2 \\ 2 \end{cases} d$

$$= (\frac{x^{2}}{2} + x) dx + \frac{1}{2} (\frac{x^{2}}{2}) + (\frac{x^{2}}{2}) dx = \frac{1}{2} (\frac{x^{2}}{2} + x) dx = \frac{1}{2} (\frac{x^{2}}{2} + \frac{x^{2}}{2}) + \frac{1}{2} (\frac{x^{2}}{2} + \frac{x^{2}}{2} + \frac{x^{2}}{2}) + \frac{x^{2}}{2} + \frac{x^{$$

$$\begin{cases} \frac{1}{2} & \text{if } (x) = E[(x-E(x))^{2}] = 1 \\ = \int_{-\infty}^{+\infty} \frac{1}{2} (x) dx = 1 \\ = \int_{-2}^{-1} \frac{1}{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ + \int_{1}^{2} \frac{1}{2} (x+2) dx = 1 \\ = \int_{1}^{2} \frac{1}{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{1} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{2} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{-1}^{2} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{1}^{2} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + \int_{1}^{2} \frac{1}{2} x^{2} dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx + 1 \\ = \int_{1}^{2} \frac{1}{2} x^{2} (x+2) dx$$

 $-\frac{1}{3} + \frac{1}{3} =$

FUNZIONE DI VEROSIMIGLIANZA:

$$L(0) = \int_{0}^{0} (x_{1}) ... \int_{0}^{0} (x_{n}) = 0$$

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$$= 0 \quad x_{1}$$

$$\frac{d \ln L(0) \ge 0}{d0} \left(n \ln 0 + 0 \ge \ln x_i - \frac{\sum \ln x_i}{i=1} \right) = \frac{n}{d0} + \frac{\sum \ln x_i}{i=1} \ge 0$$

$$\frac{n}{d0} + \frac{\sum \ln x_i}{i=1} \ge 0$$