(1) VAORE di C

$$F_{\times}(x) = P(X \leq x) = P(\omega \in \Omega \cdot X(\omega) \leq x) P + X \in \mathbb{R}$$

$$P(\varnothing) = 0$$

$$P(-S) = 0 \cdot 2$$

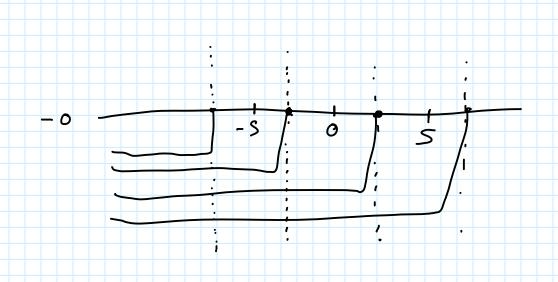
$$-S \leq x < 0$$

$$P(-S) + P(0) = 0 \cdot 8$$

$$O = x < 5$$

$$P(-S) - 1$$

$$x > 5$$



GRAFICO



(3)

Media

$$E(X) = \begin{cases} x_{1} \cdot \rho \times (x_{1}) \\ p_{1} \times p_{1} \in S \end{cases}$$

 $x_{1} \cdot \rho(x_{1}) + x_{2} \quad \rho(x_{2}) \times x_{3} \quad \rho(x_{3})$
 $z - S \cdot 0 \cdot 2 + 0 \cdot 0 \cdot 6 + S \cdot 0 \cdot 2$
 $z - 1 + 0 + 1$

VARIAN ZA

$$Var(X) = \sum_{i=1}^{K} (z_i - E_i)^2 p_i$$

$$coprue \sum_{i=1}^{K} z_i^2 p_i - E(x_i)^2$$

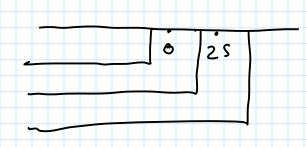
$$P(Y=0) = P(x^2=0) = P(x=0) = (0.6)$$

$$P(Y=2S) = P(x^2=2S) = P(x=S) = P(x=-S) = 0.2 + 0.2 = 0.6$$

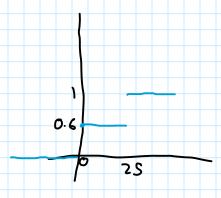
$$F_{Y}(y) = P(Y = y) = P(\omega \in \Omega : X(\omega) = y)$$
 par $f \in \mathbb{R}$

$$F_{Y}(y) = \begin{cases} Q = 0 & y = 0 \\ \{0\} = 0.6 & 0 \le y = 1 \end{cases}$$

$$\begin{cases} \{0, 25\} & 1 & y > 1 \end{cases}$$



GRAFICO



$$Var(y) = \sum_{i=1}^{y} (y_i - E(y))^2 p_i$$

$$\forall AR(Y) = (6-10)^2 \cdot 0.6 + (25-10)^3 \cdot 0.4$$

$$= 100 \quad 0.6 + 22.5 \cdot 0.4$$

$$= 60 + 30$$

$$= 150$$