SOLT DIAGONAY

$$P(x=c) = \frac{1}{5}$$

$$P(x=c) = \frac{1}{5}$$

$$P(x=1) = \frac{1}{5}$$

$$P(x=2) = \frac{1}{5}$$

$$P(x=2) = \frac{1}{5}$$

$$P(y=0)=\frac{1}{5}$$
 $P(y=1)=\frac{1}{5}$
 $P(y=1)=\frac{1}{5}$
 $P(y=1)=\frac{1}{5}$
 $P(y=2)=\frac{1}{5}$

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Non Indipendenti

$$P(0) - P(0) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(0) - P(1) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(0) \cdot P(2) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(1) - P(0) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(1) \cdot P(1) = \frac{1}{2} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(1) \cdot P(2) = \frac{1}{2} \cdot \frac{1}{4} = \frac{1}{16}$$

$$P(z) - P(c) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$$
 $P(z) \cdot P(l) = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$
 $P(z) \cdot P(z) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$

Media e Varianza

$$E_{x} = \frac{1}{4} \cdot o + \frac{1}{2} \cdot 1 + \frac{1}{3} \cdot \frac{2}{2}$$

$$= \frac{1}{2} \cdot 1 + \frac{1}{2} \cdot \frac{1}{2} \cdot 1 + \frac{1}{3} \cdot \frac{2}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

$$E x^{2} = \frac{1}{4} \cdot c^{2} + \frac{1}{2} \cdot l^{2} + \frac{1}{4} \cdot l^{2}$$

$$= 0 + \frac{1}{2} + 1$$

$$= \frac{3}{2}$$

$$E_{2}^{2} = \frac{1}{4} \cdot c^{2} + \frac{1}{2} \cdot l^{2} + \frac{1}{4} \cdot l^{2}$$

$$= 0 + \frac{1}{2} + 1$$

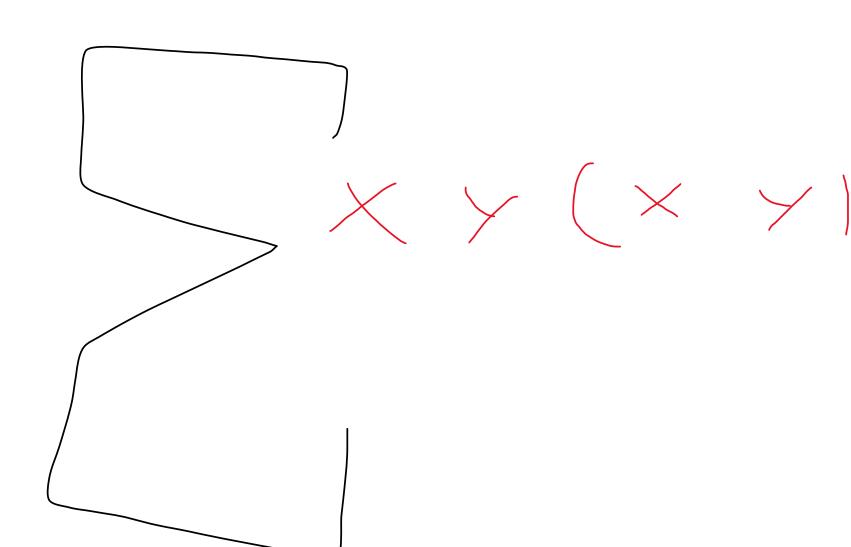
$$= \frac{3}{2}$$

$$V_{ARX} = E_{X^{2}} - (E_{X})^{2} = \frac{3}{2} - 1 = \frac{1}{2}$$

$$V_{ARY} = E_{y^2} - (E_{y})^2 = \frac{3}{2} - 12 \left(\frac{1}{2}\right)$$

$$Cov(xy)=E(xy)-ExEy$$

$$F(\times)$$



$$F(0,0) = 0$$

$$F(0,1) = 0$$

$$F(0,2) = 1 \cdot 1 \cdot 1 \cdot 2 = 1$$

$$F(1,2) = 1 \cdot 2 \cdot 2 = 0$$

$$F(2,0) = 7 \cdot 0 \cdot \frac{1}{4} = 0$$

Esercizio Blocco

$$f(z,0) = 7.0 \frac{1}{4} = 0$$
 $f(z,1) = 2.1.0 = 0$
 $f(z,2) = 2.20 = 0$

$$Cov(xy) = E(xy) - ExEy$$