Esercizio 1

$$X = (x_{1}, X_{2})$$

$$P = J - 0.1 - 0.2 - 0.3 - 0.2 - 0.3$$

$$X_{2} = (x_{1}, X_{2})$$

$$X_{3} = (x_{1}, X_{2})$$

$$= (x_{2}, X_{2})$$

$$= (x_{1}, X_{2})$$

$$= (x_{2}, X_{2})$$

$$= (x_{1}, X_{2})$$

$$= (x_{2}, X_{2})$$

$$P(x, = 2) = 0.7 + 0.2 = 0.3$$

$$P(x, = 4) = 0.2 + 0.3 = 0.3$$

$$P(x = 6) = 0.3 + 0.1 = 0.4$$

$$P(x_2=10) = 0.2 + 0.2 + 0.3 = 0.6$$

$$P(x_2=20) = 0.2 + 0.1 + 1 = 0.4$$

MediA

$$E(x_1) = 2.0.3 + 4.0.3 + 6.0.9$$

$$= 0.6 + 1.2 + 2.9$$

$$= 4.2$$

$$E(x_2) = 10 \cdot 0.6 + 20.6.9$$

$$= 6 + 8$$

$$= 19$$

$$E(x)^{2} = 2^{2} \cdot 0.3 + 4^{2} \cdot 0.3 + 6^{2} \cdot 0.4$$

$$= 1.2 + 48 + 14.4$$

$$= 20.4$$

$$\frac{1}{2} \left(\times 2^{2} \right) = 10^{2} \cdot 0.6 + 20^{2} \cdot 0.4$$

$$= 60 + 160$$

$$= 220$$

$$V_{AR}(x_{1}) = 20/4 - (9,2)$$

$$= 2,76$$

Esercizio Blocco 3

Sono indipendenti!

$$P(X_1=2)$$
 $P(X_2=10) = 0.3.06 = 0.18$ Falso
 $P(X_1=4)$ $P(X_2=10) = 0.3.06 = 0.18$ Falso
 $P(X_1=6)$ $P(X_2=10) = 0.4.06 = 0.29$ Falso
 $P(X_1=2)$ $P(X_2=20) = 0.3.0.9 = 0.12$ Facso

Esercizio Blocce

$$P(X_1=4)$$
 $P(X_2=20)=0.3\cdot0.9 \pm 0.12$ Falso
 $P(X_1=6)$ $P(X_2=20)=0.3\cdot0.6 \pm 0.1$

Mon Sono

FALSC

VALVAR indépendenti

$$\left(\begin{array}{c} X_{1}, X_{2} \end{array}\right) = \frac{\operatorname{Cev}\left(\begin{array}{c} X_{1}, X_{2} \end{array}\right)}{\operatorname{Var}(X_{1}) \operatorname{Var}(X_{2})}$$

$$P(8| = 0 | 1$$

$$= P(6) = 0.2$$

$$= P(6) = 0.3$$

$$P(8| = 0.2$$

$$P(16) = 0.4$$

$$P(16) = 0.1$$

$$P\left(-12\right) = 0.2$$

$$\left(-16 \right) = 0.1$$

$$P(-19) = C_{1}$$
 $P(-2) = C_{1}$
 $P(-6) = 0.7$
 $P(-4) = 0.3$