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

Non indibendenti.

$$P(0) - P(0) = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$$

$$P(0) \cdot P(1) = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$$

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

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

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

$$P(z) \cdot P(z) = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$$

Meria Varianza e Cou

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

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

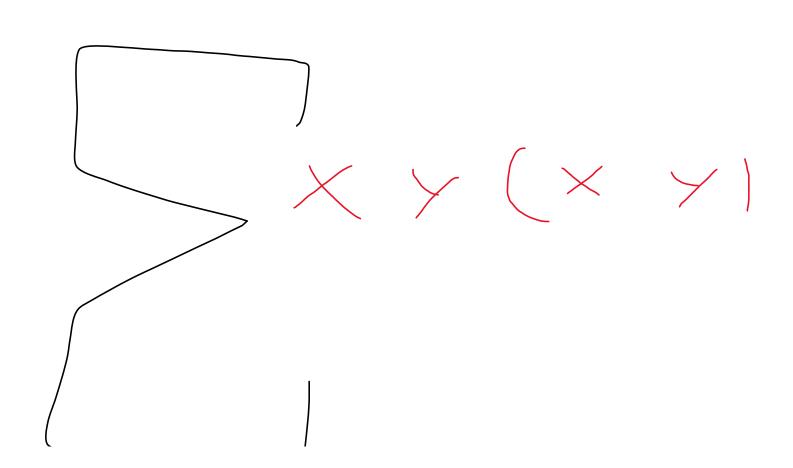
$$= \frac{1}{2} \cdot 0 + \frac{1}{2} \cdot 1$$

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

$$V_{ARY} = E_{y^2} - (E_{y})^2 = \frac{1}{2} - \left|\frac{1}{2}\right|^2 = \frac{1}{2} - \frac{1}{4} = \frac{1}{4}$$

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

$$F(\times)$$



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

$$f(0,1) = 0$$

$$f(1,0) = 1.1 = \frac{1}{2} = \frac{1}{2}$$

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

$$f(2,1) = 2.1.0 = 0$$

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

