

$$X(k+1) = e^{-2x(k)} + w(k)$$

NB è
Time invariant

$$X(0) = +2$$

$$w(k) = 2 \sin(3k) \quad k \geq 0$$

$$X(1) = ? \quad X(2) = ? \quad X(3) = ?$$

e se fosse...

$$X(k+1) = e^{-2x(k)} + w(k) + 3k$$

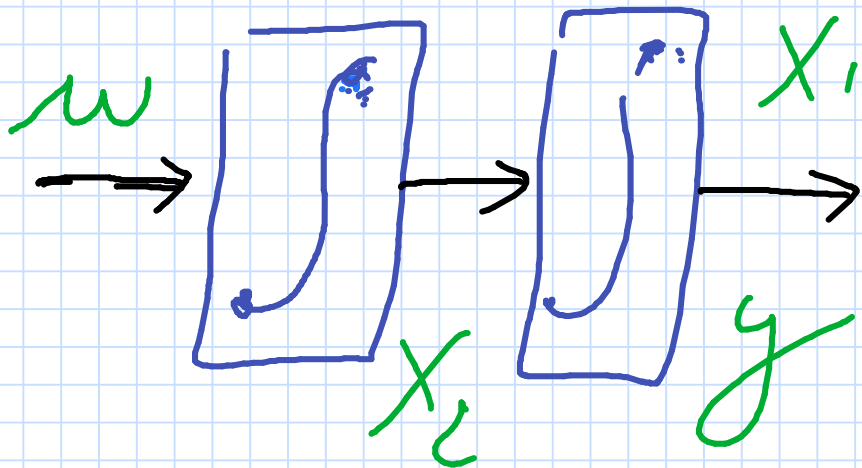
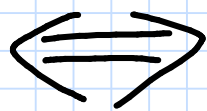
Time
variant

$$X(1) = ?$$

$$X(2) = ?$$

$$X(3) = ?$$

$$\begin{cases} \dot{X}_1 = X_2 \\ \dot{X}_2 = w \\ y = X_1 \end{cases}$$



In generale

