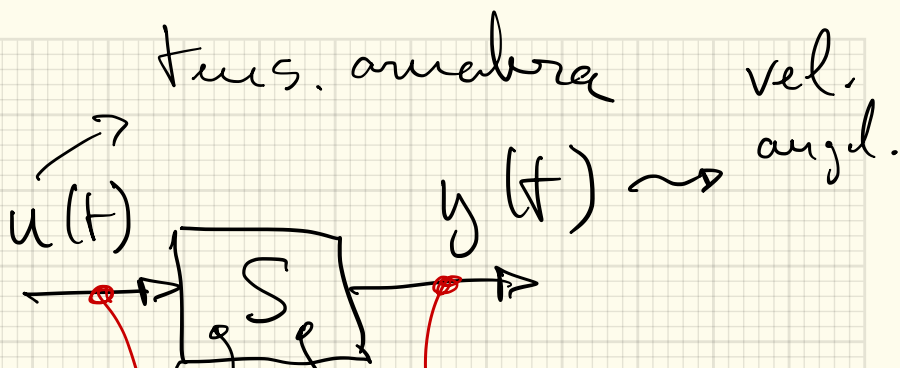




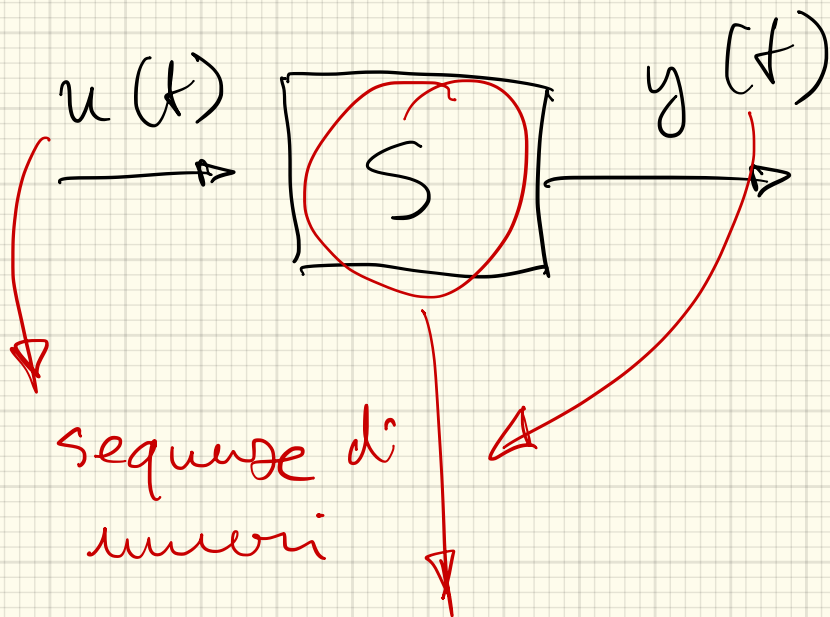
motore elettrico

Modello
Matematico

Sist.
di
controllo

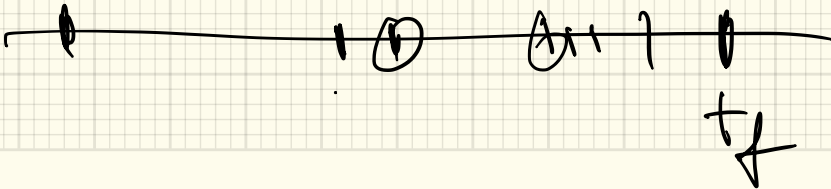
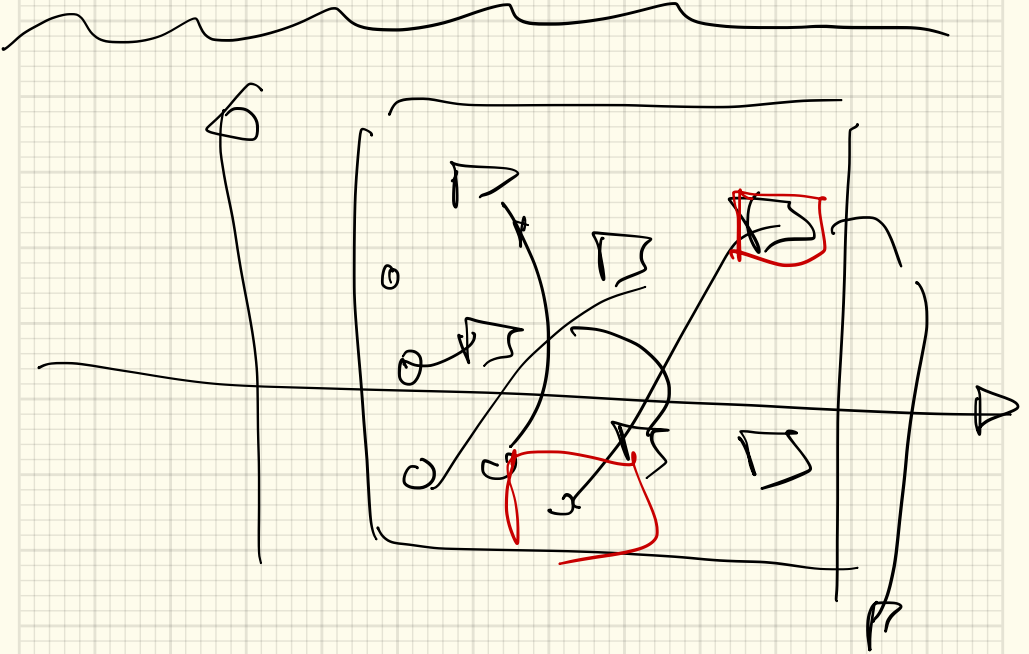
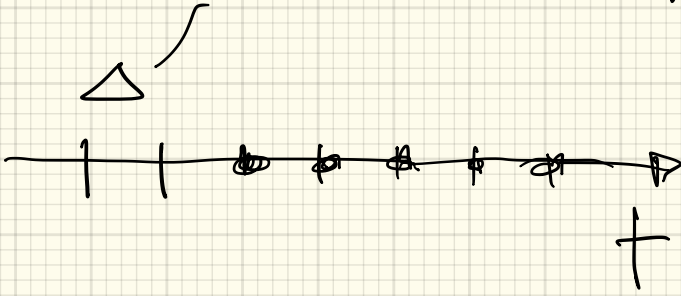
Est.
concetti
• tanti
in
tante
usc.

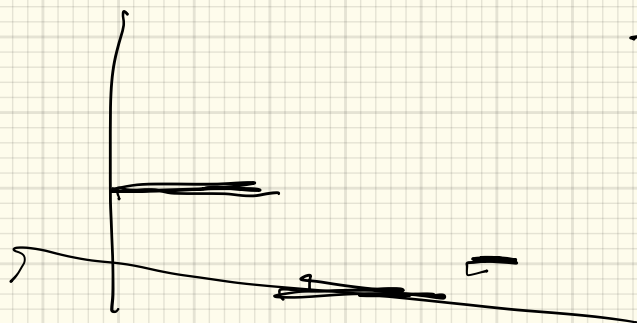
specifiche
Sist. di controllo



- costruire il modello a partire dai dati.
- analizzare la qualità del modello
- analizzare le prop. del sistema costruito

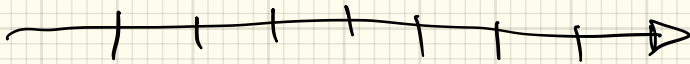
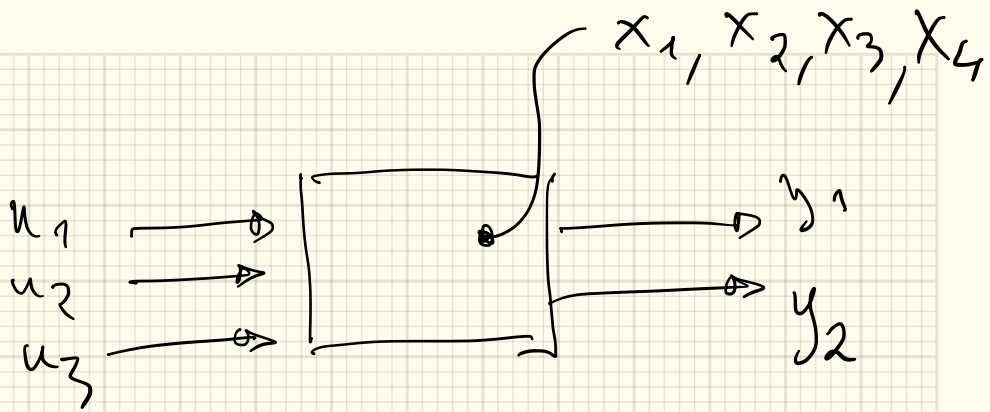
tempo di comp.





$$U = \{0, 1\}$$

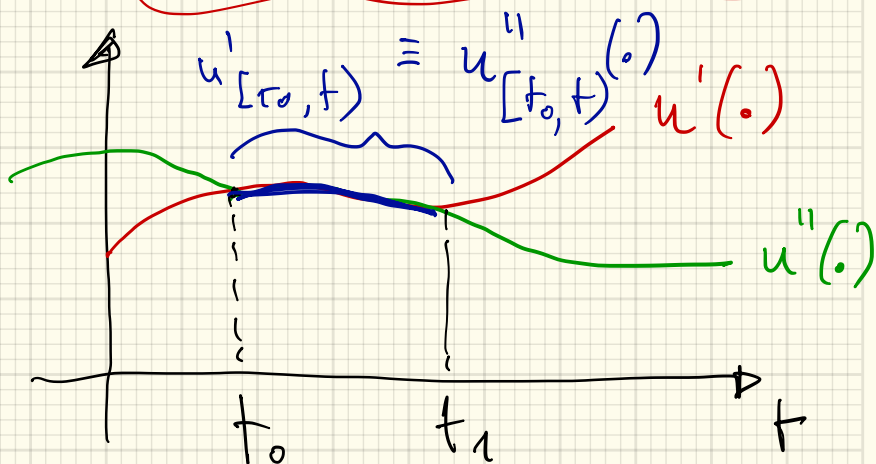
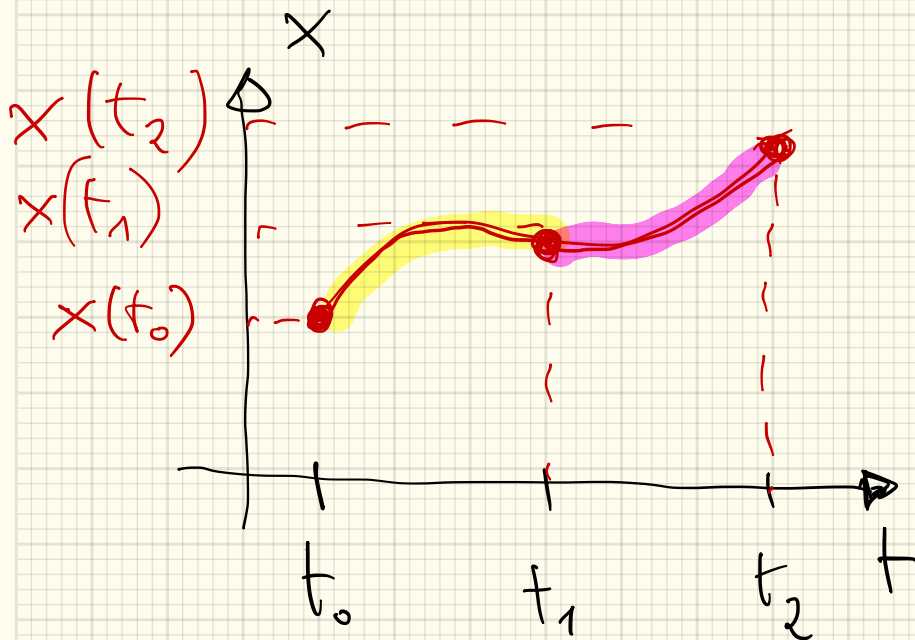
$$\Omega = \{ \text{two. costanti} \\ \text{a tratti?} \}$$



$$\mathbb{T} \equiv \mathbb{Z}$$

Exemplo

$$\begin{array}{l|l} \bullet x_2(3) = 5 & \text{Queiro} \\ u_1(3) = -27 & \text{volgar} \\ & x_1(4) \\ & x_2(4)? \\ & x_3(4) \cdot \\ & x_4(4) \end{array}$$



$$\begin{cases} \dot{x} = -2x + 4 \cdot u \\ y = 49 \cdot x \end{cases}$$

$$x(0) = 4$$

$$\begin{aligned} x(t) &= \mathcal{L}^{-1} \left\{ (sI - A)^{-1} B U(s) \right\} \\ &\quad + \mathcal{L}^{-1} \left\{ (sI - \tilde{A})^{-1} x(0) \right\} \\ &= \mathcal{L}^{-1} \left\{ e^{-2t} \cdot 4 \right\} \end{aligned}$$

