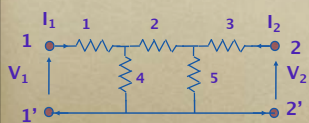


Esercitazione 12

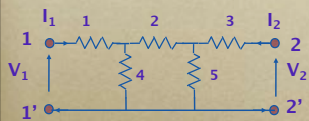
Esercizi: Matrici ibride e di trasmissione



$$\begin{aligned} V_1 &= h_{11} I_1 + h_{12} V_2 \\ I_2 &= h_{21} I_1 + h_{22} V_2 \end{aligned}$$

$$h_{12} = \frac{R_4 R_5}{(R_2 + R_4 + R_6)(R_3 + R_5) + R_3 R_5}$$

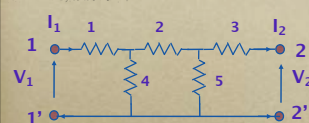
Esercizi: Matrici ibride e di trasmissione



$$\begin{aligned} I_1 &= g_{11} V_1 + g_{12} I_2 \\ V_2 &= g_{21} V_1 + g_{22} I_2 \end{aligned}$$

$$g_{12} = - \frac{R_5}{(R_2 + R_5 + R_6)(R_1 + R_4) + R_1 R_4} + \frac{R_4}{R_1 + R_4}$$

Esercizi: Matrici ibride e di trasmissione



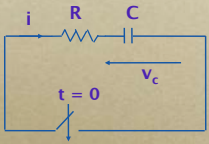
$$t_{12} = \left. \frac{V_1}{I_2} \right|_{V_2=0}$$

$$t_{12} = - \left[R_1 + \frac{R_4 (R_2 + R_e + R_6)}{R_0} \right] \frac{(R_2 + R_e + R_6) (R_3 + R_5)}{R_5 R_4}$$

$$R_e = \frac{R_5 R_3}{(R_5 + R_3)}$$

$$R_0 = R_2 + R_e + R_6 + R_4$$

Esercizi



$$v_c(0) = V_0$$

Scrivere l'equazione risolvete in termini dell'incognita corrente.

