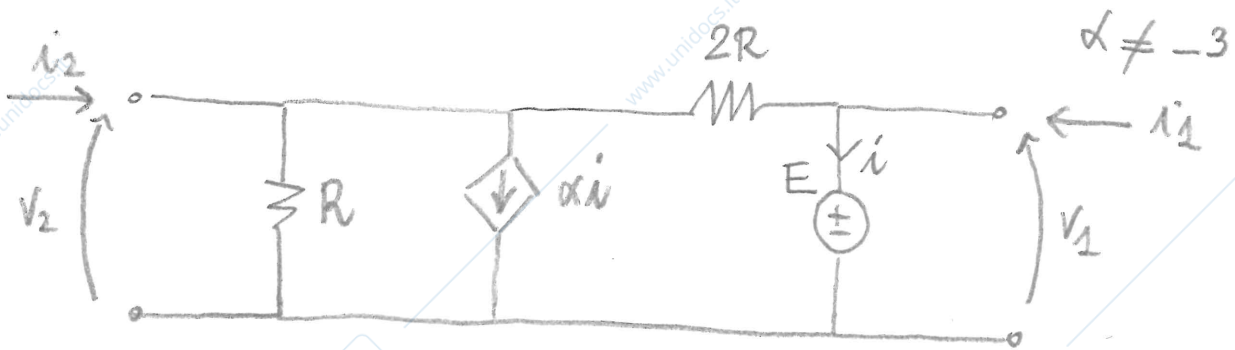
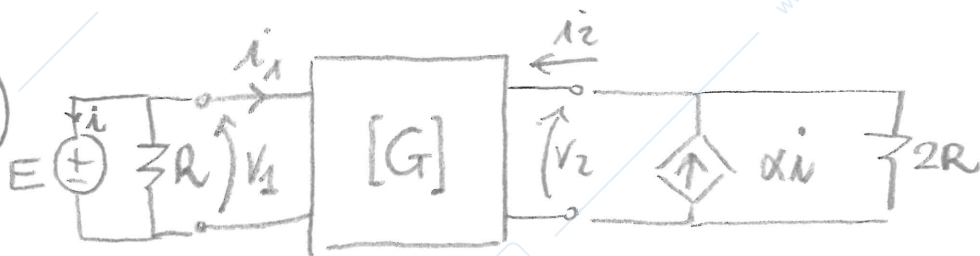


1)



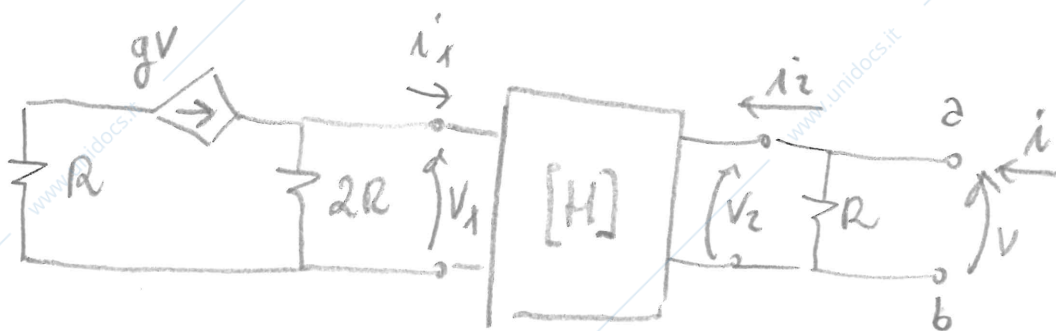
Determinare i parametri della rappresentazione

$$\begin{bmatrix} V_1 \\ V_2 \end{bmatrix} = \begin{bmatrix} \pi_{11} & \pi_{12} \\ \pi_{21} & \pi_{22} \end{bmatrix} \begin{bmatrix} i_1 \\ i_2 \end{bmatrix} + \begin{bmatrix} \hat{E}_1 \\ \hat{E}_2 \end{bmatrix}$$



$$\begin{bmatrix} i_1 \\ i_2 \end{bmatrix} = \begin{bmatrix} g & 2g \\ 2g & g \end{bmatrix} \begin{bmatrix} V_1 \\ V_2 \end{bmatrix}$$

Determinare la potenza erogata dal CCVS.



$$\begin{bmatrix} V_1 \\ i_2 \end{bmatrix} = \begin{bmatrix} 0 & \alpha \\ \beta & 2g \end{bmatrix} \begin{bmatrix} i_1 \\ V_2 \end{bmatrix}$$

Determinare i parametri del circuito equivalente di Norton ai morsetti a e b ($i = G_{NR} \cdot V + A_{NR}$)