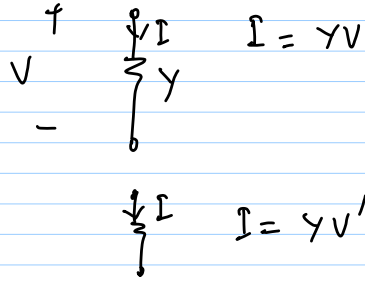
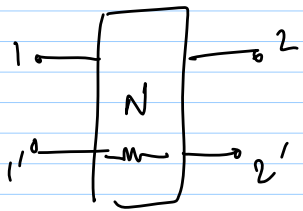


16-2-15

Lec 16

$$\begin{bmatrix} I_1 \\ I_2 \end{bmatrix} = \begin{bmatrix} Y_{11} & Y_{12} \\ Y_{21} & Y_{22} \end{bmatrix} \begin{bmatrix} V_1 \\ V_2 \end{bmatrix}$$

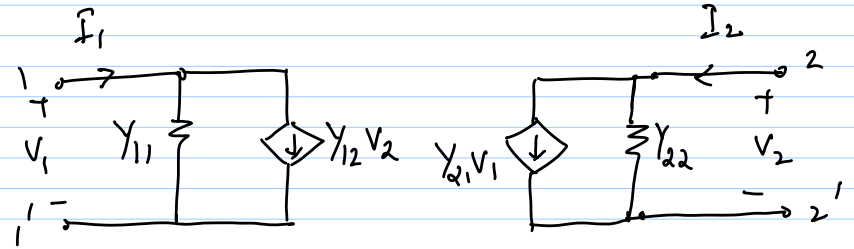


$$I = YV$$

$$I = YV'$$

Conductance + Controlled sources

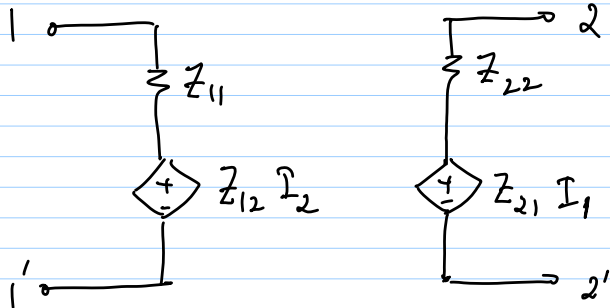
$$I_1 = Y_{11}V_1 + Y_{12}V_2$$



$$I_2 = Y_{21}V_1 + Y_{22}V_2$$

$$V_1 = Z_{11}I_1 + Z_{12}I_2$$

$$V_2 = Z_{21}I_1 + Z_{22}I_2$$



$$V_1 = H_{11}I_1 + H_{12}V_2$$

$$I_2 = H_{21}I_1 + H_{22}V_2$$

