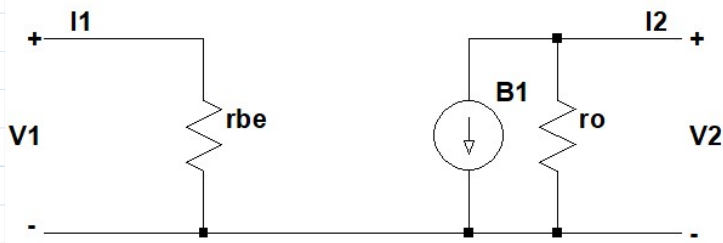


Bestem y-parametrene for kredsløbet / 2-porten.



$$I_1 = y_{11} \cdot V_1 + y_{12} \cdot V_2$$

$$I_2 = y_{21} \cdot V_1 + y_{22} \cdot V_2$$

$$V_2 = 0$$

$$y_{11} = \frac{I_1}{V_1} \quad y_{11} := \frac{\frac{V_1}{r_{be}}}{V_1} \rightarrow \frac{1}{r_{be}}$$

$$I_2 := \beta \cdot i_b \quad i_b := \frac{V_1}{r_{be}}$$

$$y_{21} = \frac{I_2}{V_1} \quad y_{12} := \frac{\beta \cdot i_b}{V_1} \rightarrow \frac{\beta}{r_{be}}$$

$$V_1 := 0$$

$$y_{12} = \frac{I_1}{V_2} \quad y_{12} := \frac{\frac{V_1}{r_{be}}}{V_2} \rightarrow 0$$

$$y_{22} = \frac{I_2}{V_2} \quad y_{22} := \frac{\frac{V_2}{r_o}}{V_2} \rightarrow \frac{1}{r_o}$$