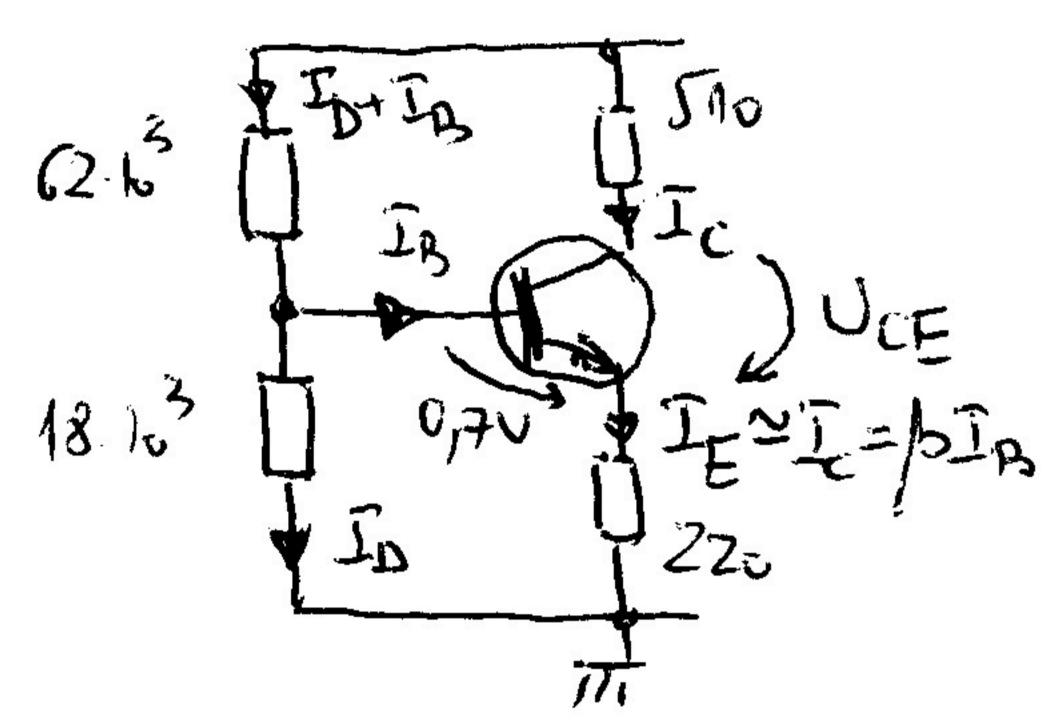
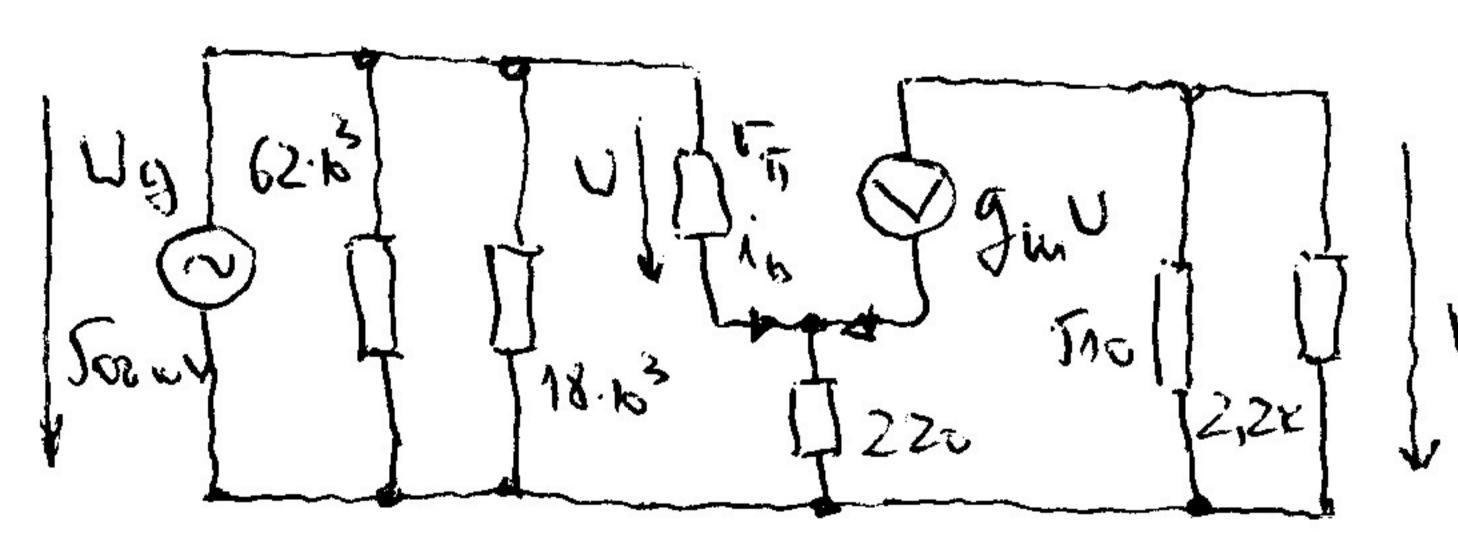


Solveura eduvateut de c.c.



Schema echivalent de ca



$$\frac{510 \cdot 2200}{510 + 2200} = \frac{1122 \cdot 16^{3}}{212 \cdot 16^{3}}$$

Ecuati de ochun

$$\begin{cases}
24 = (I_{b} + I_{B}) 62.10^{3} + I_{b}.1810^{3} \\
I_{b}.18.10^{3} = 0,7 + 22c.16c.I_{B}
\end{cases}$$

$$24 = 516.I_{c} + V_{cE} + 22c.I_{c}$$

To bound 2 eco-di, result  $24 = I_3.62.16^3 + 80.16^3 I_0$   $24 = I_3.62.16^3 + 80.16^3 I_0$   $24 = I_3.62.16^3 + 80.16^3 \cdot \frac{0.77 + 22.16^3 I_8}{18.26^3}$ 

$$= I_{B} \cdot 62 \cdot 10^{5} + h_{1} \cdot h_{1} \cdot (0,7 + 22 \cdot 10^{5} I_{B})$$

$$24 - 30 \cdot 8 = I_{B} \cdot 10^{3} \cdot (62 + 97) \approx 10^{3} \cdot 160 I_{B}$$

$$I_{B} = \frac{21}{160} \cdot 10^{3} = 0,12 \text{ in A}$$

$$v_{c} = 24 - 230.T_{c} = 24.44.83$$

$$|V_{CE}| = 24 - 10,4 = |13,6 \rangle$$

$$g_{w} = h_0 J_c = 40.13.16^3 = 0,52 \frac{1}{5}$$

$$F_{w} = \frac{h_0 J_c}{g_{w}} = \frac{100}{0.152} \approx 200 \text{ s}$$

$$= \frac{U_1}{U_9} = \frac{-g_{in}U}{U + (1_5 + g_{in}U)} = \frac{-g_{in}U}{U + (1_5 + g_{in}U)} = \frac{-g_{in}U}{V + (\frac{U}{f_{ff}} + g_{in}X) \cdot 220}$$

$$\Delta U = -\frac{9 \text{w.410}}{1 + \frac{1 + 9 \text{w.fit}}{7} \cdot 220} = \frac{4 \text{w.fit}}{1 + (1 + 9 \text{w.fit}) \cdot 220}$$

$$= -\frac{5 \cdot 510}{200 + (5 + 1)220} \sim -\frac{5 \cdot 610}{5 \cdot 220} \sim 1.8$$

$$U_{\Delta} \simeq -1.8 \cdot 500 \simeq [-900 \text{ w.v.}]$$