hoja 3

• Se determina I er o calern 2

E2 £III£3

$$I_{\pm 2} = \frac{E_1 || E_3}{E_1 || E_3} \cdot I$$

$$Z_{\pm 2} = \frac{2113}{6 + (2113)} \cdot 24A = 4A$$

Desglosando
$$\Gamma_{a} = \left[ (R_{6} + R_{8}) || R_{4} \right] + R_{3}$$

$$\Gamma_{a} = \left[ (A + 6) || 10 \right] + 1$$

$$\Gamma_{a} = \frac{R_{2}}{R_{2} + \Gamma_{a}} I_{E_{2}}$$

$$I_{a} = \frac{6}{6 + 6} I_{E_{2}}$$

$$I_{a} = \frac{6}{6 + 6} I_{A}$$

$$I_{a} = \frac{16}{R_{4} + \Gamma_{b}} I_{A}$$

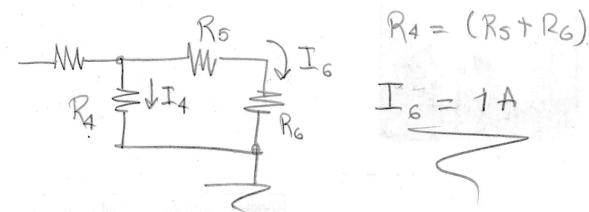
$$I_{a} = \frac{10}{R_{4} + \Gamma_{b}} I_{A}$$

$$I_{a} = \frac{10}{10 + 10} I_{A}$$

$$I_{b} = 10$$

c) Incuentra 16

hoja 4



d) Encuentra 710

. Je determina la corriente en la escaler 1

$$I_{\pm 1}^{\pm} = \frac{(3116)}{24(3116)} \circ 24A = 12A$$

Como la corriente IIO atraviera Pro enturco

$$f_{E_1} = I_{10} = 12A$$