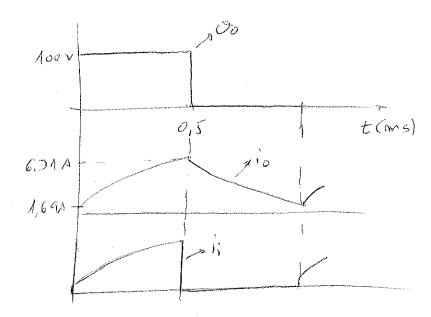
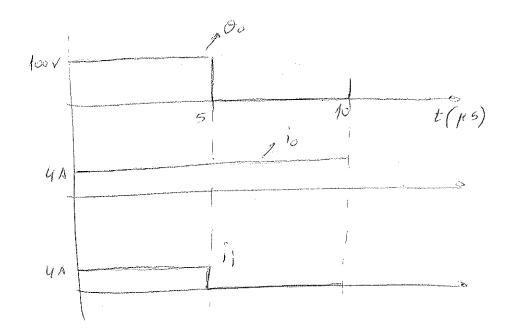


i) Ém regime promonent:

Imin = 
$$\frac{V_i}{R} \times \frac{e^{i\sigma/3}}{e^{T/3}} - \frac{E}{R} = 1,69A>0$$
 Sordyou Continua

$$I_{\text{max}} = \frac{V_{1}}{R} + \frac{1 - e^{-ton/2}}{1 - e^{-T/3}} = \frac{E}{R} = 6.31 \text{ A}$$





c) 
$$P_{i} = \frac{1}{7} \int_{0}^{7} V_{i} \cdot ii dt = V_{i} \cdot \frac{1}{7} \int_{0}^{7} ii dt = V_{i} \cdot C_{i}^{2} > 100 \text{ at} = 200 \text{ at}$$

$$P_{0} = \frac{1}{7} \int_{0}^{7} V_{0} \cdot io dt = 2io > \frac{1}{7} \int_{0}^{7} Co dt = 2io > 200 \text{ at} = 200 \text{ at}$$

6) Em resime promoranti:

$$I_{min} = \frac{V_{i}}{R} + \frac{ton/3}{e^{T/3} - 1} = -1120 \Rightarrow condvgd$$

$$e^{T/3} - 1 = -1120 \Rightarrow condvgd$$

$$e^{T/3} - 1 = -1120 \Rightarrow condvgd$$

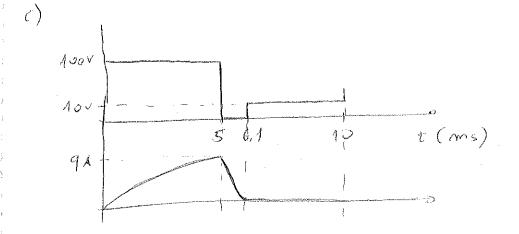
Em conduçã descontinua:  $\overline{Im} = \frac{V_1^2 - \overline{E}}{3} \left( 1 - e^{-t m/3} \right) = 9A$ 

Imin= 0

b)
$$t_{c} = t_{on} + 3 f_{n} \left[ 1 + \frac{V_{i} - E}{R} \left( 1 - e^{t_{on}/3} \right) \right] = 6.1 \text{ m/s}$$

$$C_{oo} = D_{v_{i}} + \left( \frac{T - t_{c}}{T} \right) = 53.8 \text{ V}$$

$$C_{io} = \frac{53.8 - 10}{10} = 4.384$$



No francica confine (de confine . Imin em régime permonente = 0