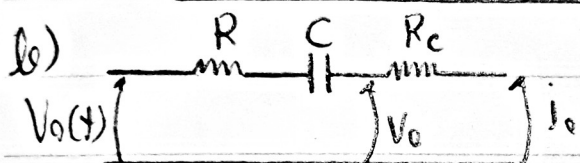
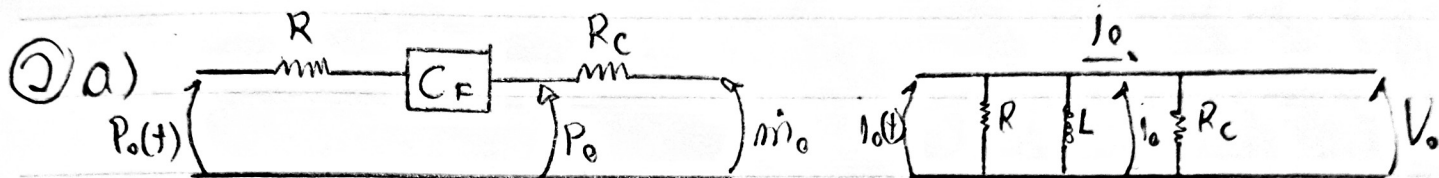


## Exercício aula do dia 24/10/2020

$$\textcircled{1} C_c = \frac{V}{RT} = \frac{A_x}{RT} = \frac{2}{287(50+273)} = 2,16 \cdot 10^{-5}$$



c) Malha 1:  $0 = R(i_0(t) - i_2)$

• Malha 2:  $0 = R(i_2 - i_0(t)) + L D(i_2 - i_0)$

• Malha 3:  $0 = L D(i_2 - i_2) + R_c(i_0 - i_4)$

• Malha 4:  $V_0 = R_c(i_4 - i_0)$

$$0 = \frac{1}{R_g} (P_0(t) - P_2)$$

$$0 = \frac{1}{R_g} (P_2 - P_0(t)) + \frac{1}{L_g} (P_2 - P_0)$$

$$0 = \frac{1}{L_g} (P_0 - P_2) + \frac{1}{R_{gc}} (P_0 - P_4)$$

$$\dot{m}_0 = \frac{1}{R_{gc}} (P_4 - P_0)$$