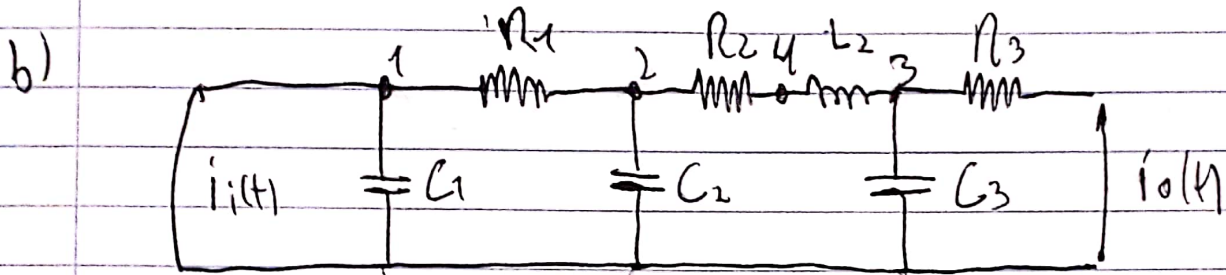
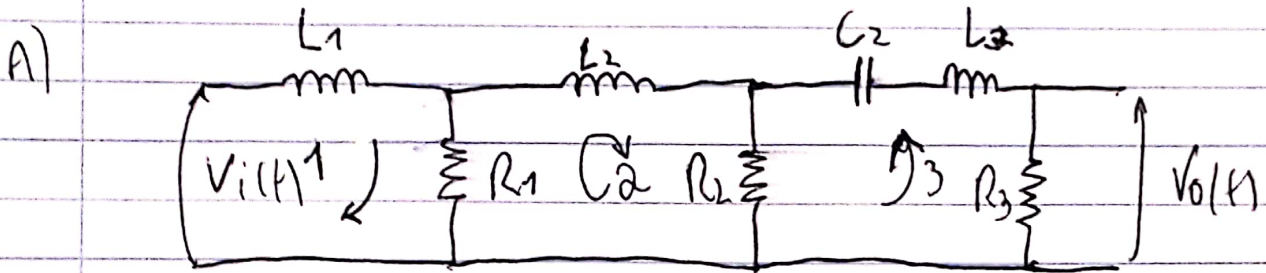


Exercício 22/09

JOÃO OTÁVIO TANAKA DE OLIVEIRA

10772842



c)

$$1: (L_1 D + R_1) i_1 - R_1 i_2 = V_i(t) \quad \text{Tipo 1}$$

$$2: (R_1 + L_2 D + R_2) i_2 - R_2 i_3 - R_1 i_1 = 0$$

$$3: (L_3 D + R_3 + R_2 + 1/C_2 D) i_3 - (R_2) i_2 = V_o(t)$$

$$1: \left(C_1 D + \frac{1}{R_1} \right) V_1 - \frac{1}{R_1} V_2 = i_i(t) \quad \text{Tipo 2}$$

$$2: \left(C_2 D + \frac{1}{R_1} + \frac{1}{R_2} \right) V_2 - \frac{1}{R_1} V_3 - \frac{1}{R_2} V_4 = 0$$

$$3: \left(C_3 D + \frac{1}{L_2 D} + \frac{1}{R_3} \right) V_3 - \frac{1}{L_2 D} V_4 = i_o(t)$$

$$4: \left(\frac{1}{R_2} + \frac{1}{L_2 D} \right) V_4 - \frac{1}{L_2 D} V_3 - \frac{1}{R_2} V_2 = i_o(t)$$