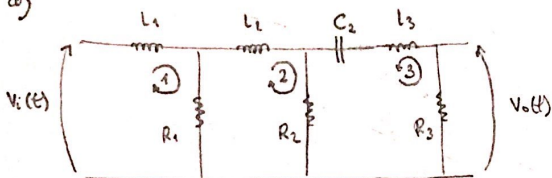


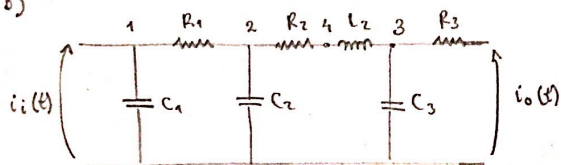
EXERCÍCIO DA AULA 22/09

PEDRO PIRES SOLZER - 10705940

a)



b)



c) TIPO 1:

$$1: (L_1 D + R_1) i_1 - R_1 i_2 = V_i(t)$$

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

$$3: (L_3 D + R_3 + R_2 + \frac{1}{C_2 D}) i_3 - R_2 i_2 = V_o(t)$$

TIPO 2:

$$1: (C_1 D + \frac{1}{R_1}) V_1 - \frac{1}{R_1} V_2 = i_i(t)$$

$$2: (C_2 D + \frac{1}{R_1} + \frac{1}{R_2}) V_2 - \frac{1}{R_1} V_1 - \frac{1}{R_2} V_4 = 0$$

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

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