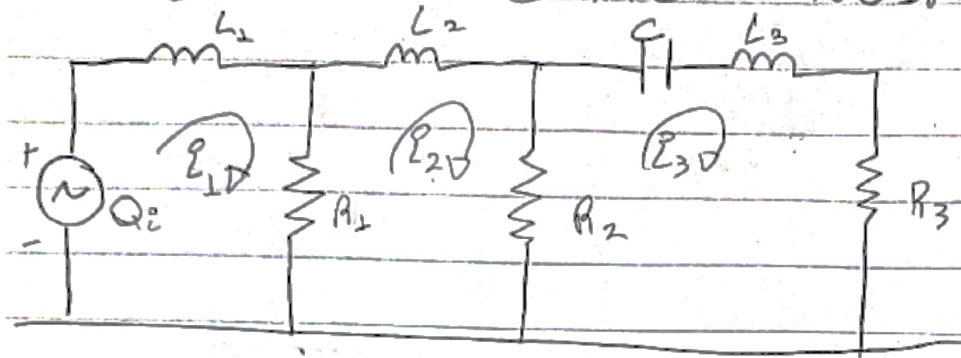


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↳ i_1

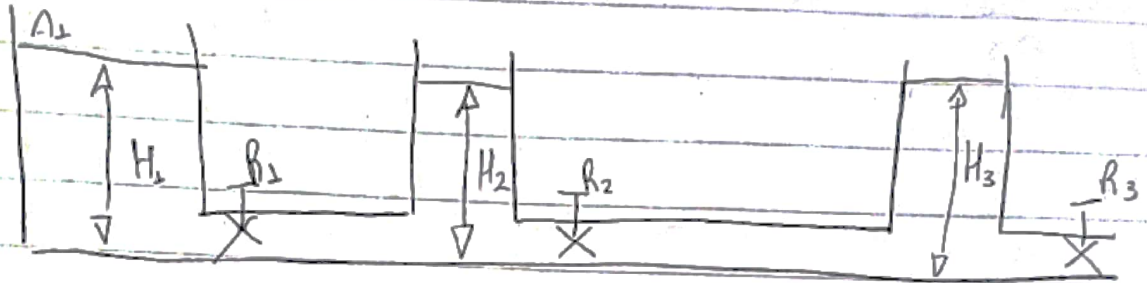
$$Q_1 = i_1(L_1 D + R_1) - i_2 R_1$$

↳ i_2

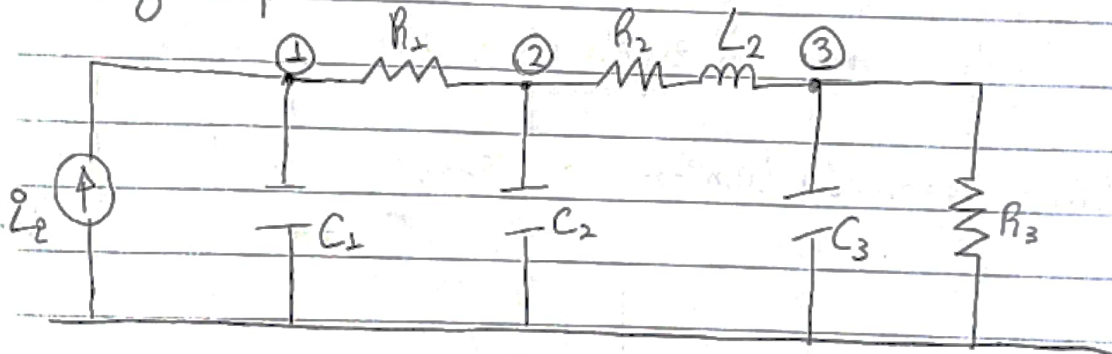
$$i_2(L_2 D + R_1 + R_2) - i_3 R_2 - i_1 R_1 = 0$$

↳ i_3

$$i_3\left(\frac{1}{C D} + R_2 + R_3 + L_3 D\right) - i_2 R_2 = 0$$



b) Analogia tipo 2



$$V_1 \left(\frac{1}{R_1} \right) - V_2 \left(\frac{1}{R_2} \right) + V_1 C_1 D = I_2 \quad \text{I}$$

$$V_2 \left(\frac{1}{R_2} + C_2 D \right) + \frac{V_2}{L_2 D} - V_1 \left(\frac{1}{R_1} \right) - V_3 \left(\frac{1}{R_2} + \frac{1}{L_2 D} \right) = 0 \quad \text{II}$$

$$V_3 \left(\frac{1}{R_2} + \frac{1}{L_2 D} + C_3 D \right) - V_2 \left(\frac{1}{R_2} + \frac{1}{L_2 D} \right) = 0 \quad \text{III}$$

$$\frac{H_1 - H_2}{R_1} + H_1 A_1 = Q_i \quad \text{I}$$

$$\frac{H_2 - H_1}{R_2} + \frac{H_2 - H_3}{R_2} + S H_2 H_3 \cdot A_1 + H_2 A_2 = 0 \quad \text{II}$$

$$\frac{H_3 - H_2}{R_2} + S H_3 H_2 \cdot A_3 + \frac{H_3}{R_3} + H_3 A_3 = 0 \quad \text{III}$$