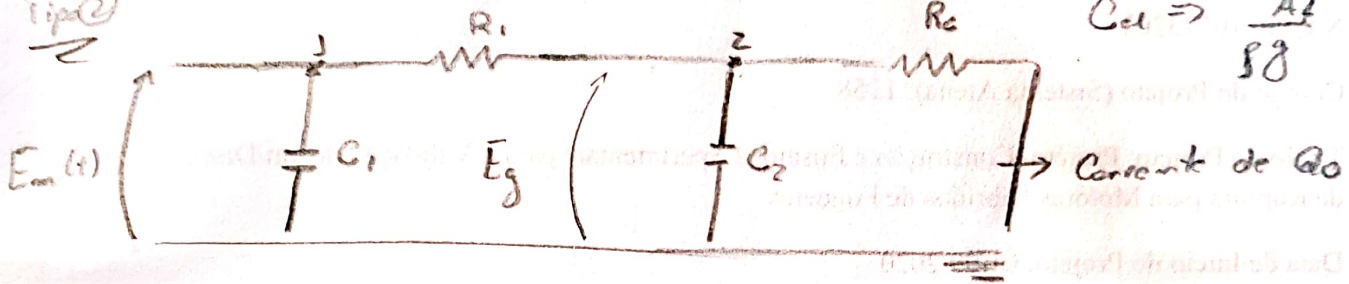


$$R_{cc} \Rightarrow \rho g \cdot R_f$$

$$C_{cc} \Rightarrow \frac{A_f}{\rho g}$$

Tipo 2



$$N^{\circ} 1: E_m(t) (C_1 \cdot D + \frac{1}{R_i}) - E_g \frac{1}{R_i} = 0$$

$$N^{\circ} 2: E_g (\frac{1}{R_i} + C_2 D + \frac{1}{R_c}) - E_m(t) \frac{1}{R_i} = 0$$

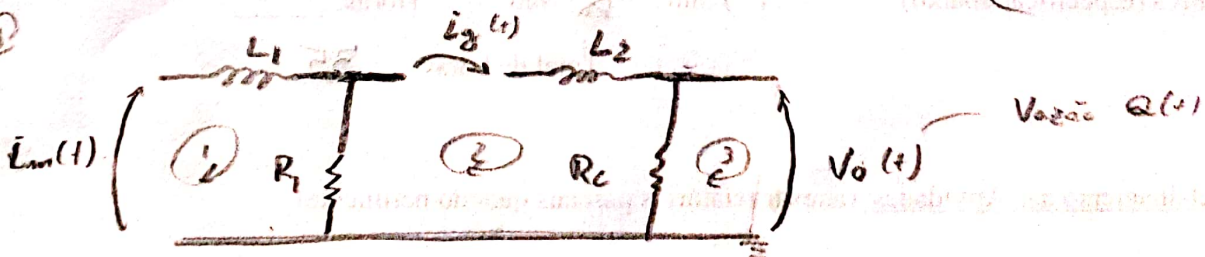
$$E_m(t) - (C_1 D + \frac{1}{R_i}) = E_m(t) \frac{1}{R_i} - E_g (C_2 D + \frac{1}{R_c})$$

$$E_m(t) \cdot C_1 \cdot D = E_g (C_2 D + \frac{1}{R_c})$$

$$\rho g = \text{cte}$$

$$\frac{d}{dt} (P_o(t) \cdot A_r) = \frac{d}{dt} (P_j \cdot A_j) + P_j \cdot R_f$$

Tipo 3



$$M_1: L_1 \cdot D \cdot i_m(t) + R_1 (i_m(t) - i_g) = 0$$

$$M_2: -R_1 (i_m(t) - i_g) + L_2 \cdot D \cdot i_g(t) + R_2 i_g(t) = 0$$

$$M_3: -R_3 i_g(t) = V_o(t)$$