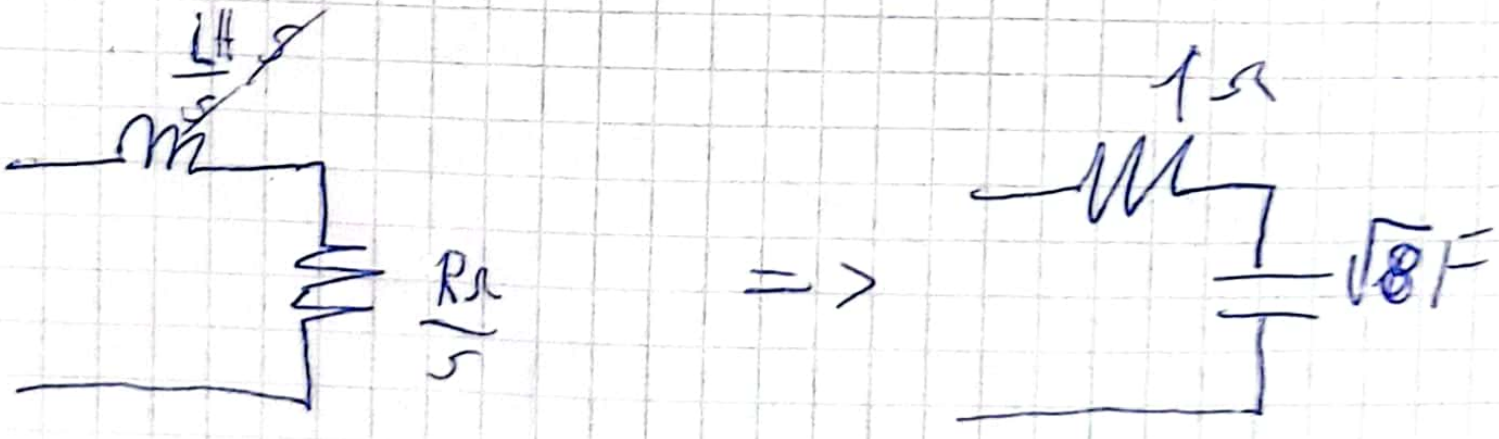
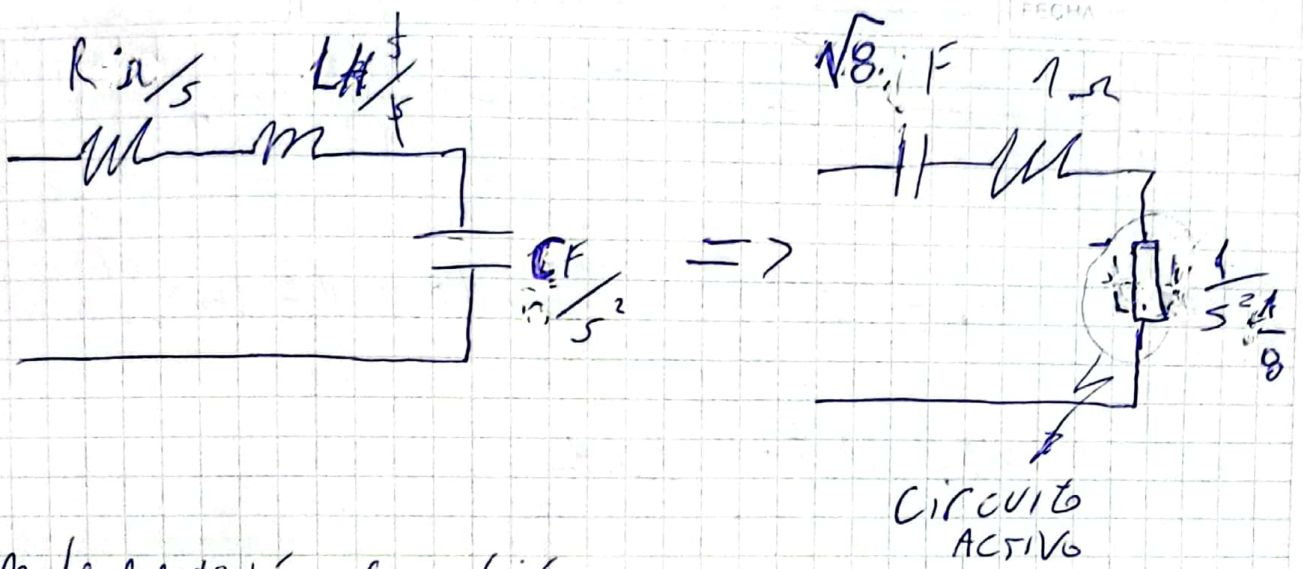
(5) Transformación de Impedancia





Implementación con GIC

$$G(s) = \frac{Y_4 Y_2}{Y_1 Y_3 Y_5} = \frac{1}{Y_1 \frac{Y_3 Y_5}{Y_2 Y_4}} =$$

Y_1 → Capacitor; $\frac{Y_3 Y_5}{Y_2 Y_4}$ → Resistor

$$G(s) = \frac{1}{s^2 \frac{C_1 C_3 R_2 R_4}{R_5}} = \frac{1}{8}$$

$C_1 = C_3 = 10\ \mu F$

$R_2 = R_4 = 1\ M\Omega$

$R_5 = 800\ \Omega$

$$\frac{10 \cdot 10^{-6} \cdot 10^{-6} \cdot 10^{6} \cdot 10^{6}}{800} = \frac{1}{8}$$