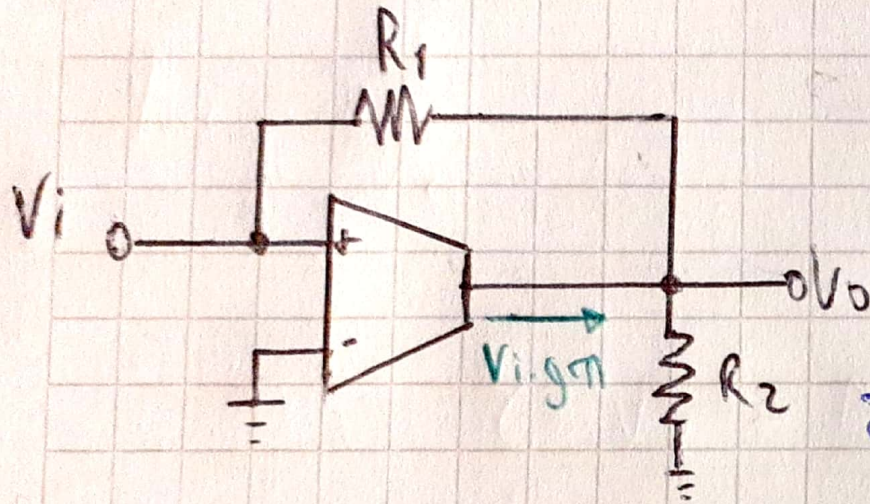


Conceito Exemplo 3



$$Z_i = \frac{V_i}{I_i}$$

$$I_i = I_{R1} = V_i \cdot g_m - I_{R2}$$

$$I_{R2} = \frac{V_o}{R_2} = V_i \cdot \frac{R_2}{R_1 + R_2} \cdot \frac{1}{R_2}$$

$$Z_i = \frac{V_i}{I_i} = \frac{1}{g_m - \frac{1}{R_1 + R_2}} = \frac{R_1 + R_2}{g_m(R_1 + R_2) - 1}$$

