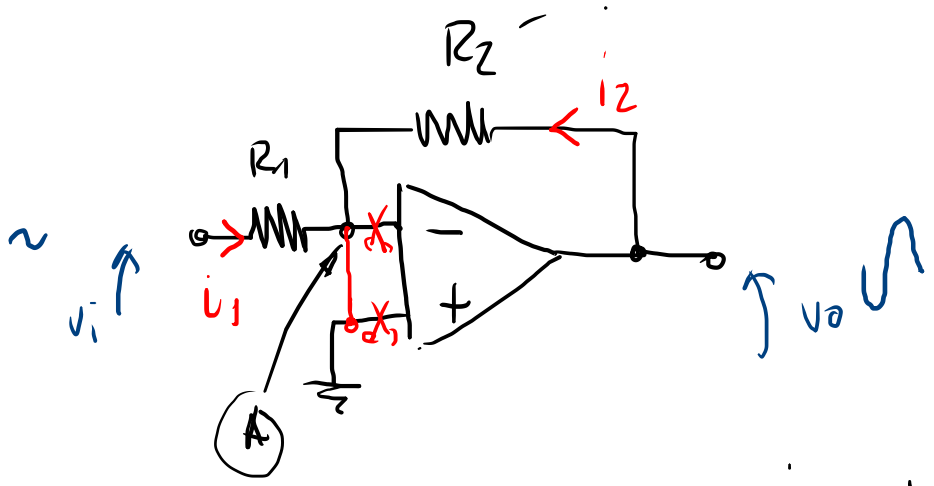
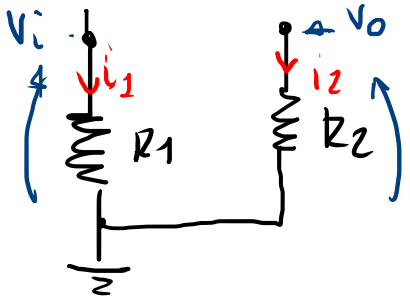
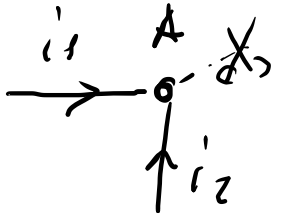


$$A_0 = -\frac{R_2}{R_1}$$

$$V^+ = V^-$$



$$i_1 = \frac{V_i}{R_1} \qquad i_2 = \frac{V_o}{R_2}$$



(A): $i_1 + i_2 = 0$

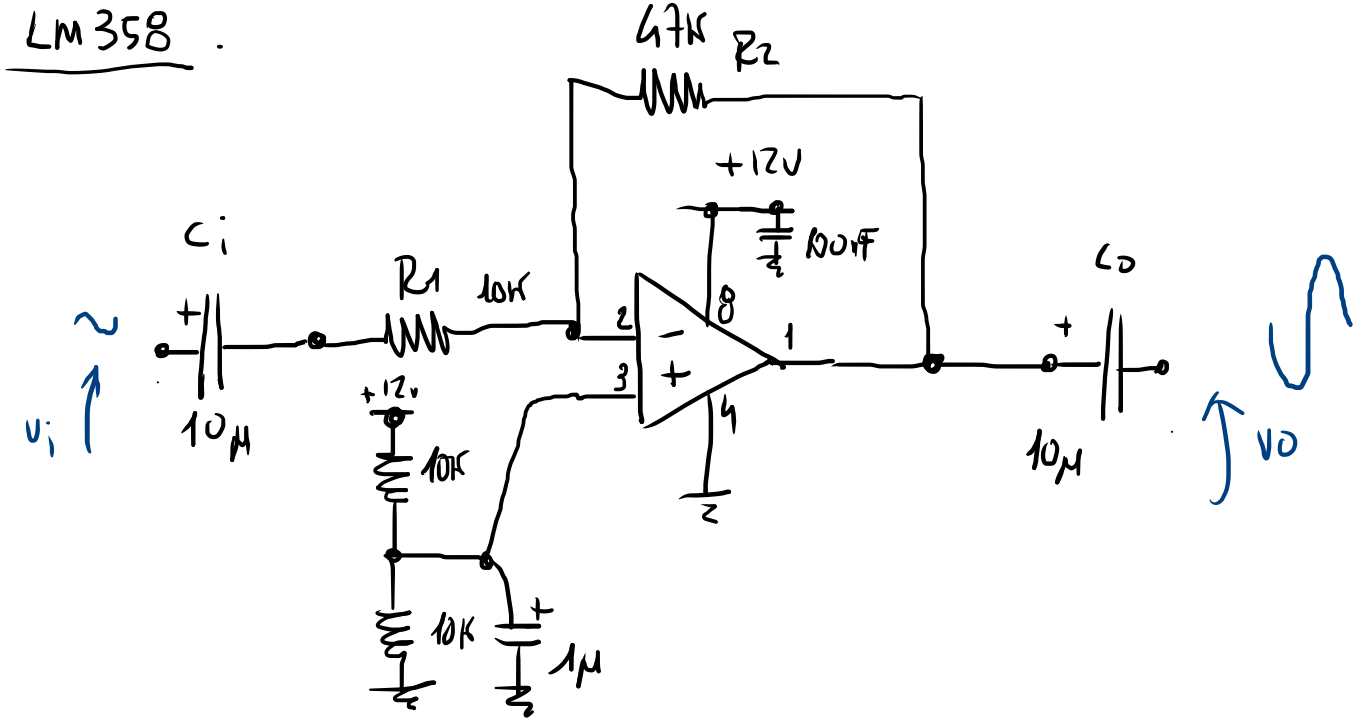
$i_1 = -i_2$

$$\frac{V_i}{R_1} = -\frac{V_o}{R_2}$$

$$V_o = -\frac{V_i}{R_1} R_2$$

$$V_o = -V_i \cdot \frac{R_2}{R_1}$$

LM358 .



$A_o = -4,7$