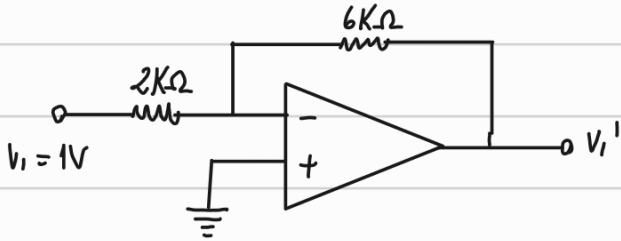


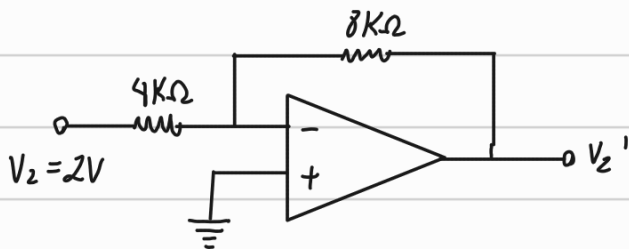
Exercícios Aula 23/05

Nome: Igor dos Reis Gomes

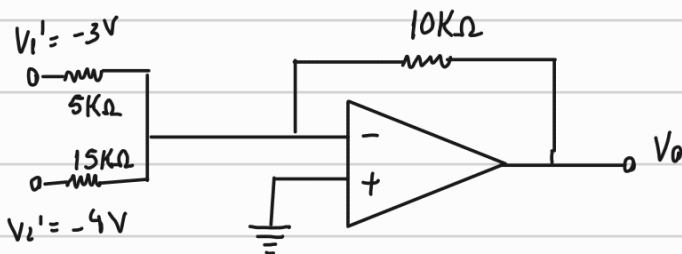
1- 3 amplificadores inversores, $V_1 = 1V$ e $V_2 = 2V$



$$V_1' = -\frac{6K}{2K} \cdot 1 = -3V$$



$$V_2' = -\frac{8K}{4K} \cdot 2 = -4V$$

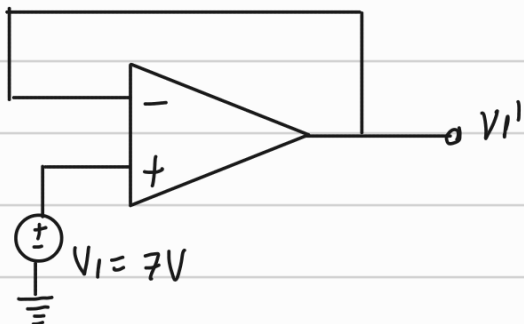


$$V_0' = -\frac{10K}{5K} \cdot (-3) = 6V$$

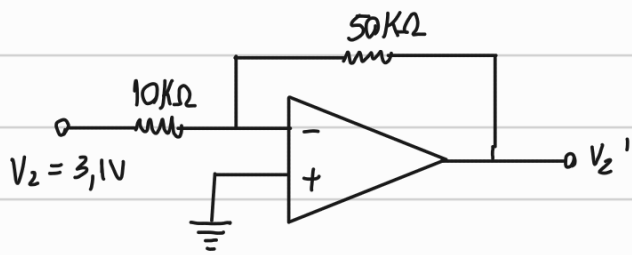
$$V_0'' = -\frac{10K}{15K} \cdot (-4) = \frac{8}{3} V$$

$$V_0 = V_0' + V_0'' = 6 + \frac{8}{3} \approx 8,67V //$$

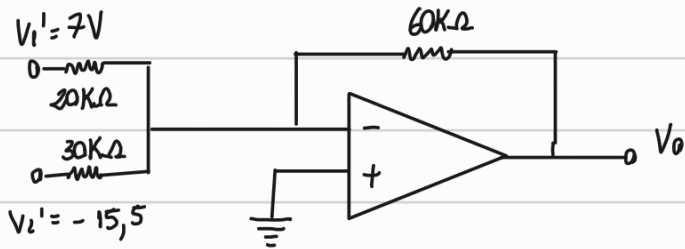
2- 1 amplificador seguidor de tensão e 2 amplificadores inversores



$$V_1' = V_1 = 7V$$



$$V_2' = - \frac{50K^5}{10K} \cdot 3,1 = -15,5V$$



$$V_0' = - \frac{60K^3}{20K} \cdot 7 = -21V$$

$$V_0'' = - \frac{60K^2}{30K} \cdot (-15,5) = 31V$$

$$V_0 = V_0' + V_0'' \rightarrow V_0 = -21 + 31 = 10V //$$