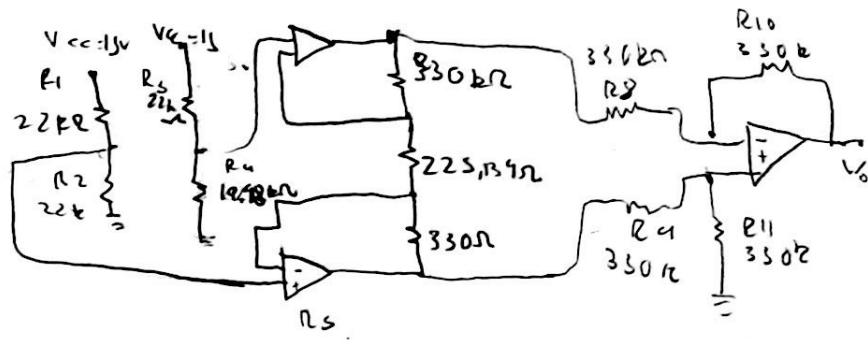8. No. 9 Ramirez Zotoneto Luis Fernando

Info.

$R_4 = R = 19,980 \,\Omega$

$R_6 = L = 225,139 \,\Omega$

$$V_0 = V_{cc} \times \frac{R_2}{R_1 + R_2}$$

$$= 15 \times \frac{22}{22 + 22} = 7.5\,v$$

$$V_B = V_{cc} \times \frac{R_4}{R_3 + R_4} = 15 \times \frac{19.980}{22 + 19.980}$$

$$= 7.13911\,v$$

La salida del amplificador es dada por

$$V_{o.t} = (V_A - V_B)\left(1 + 2\frac{R_5}{R_6}\right)\left(\frac{R_{10}}{R_8}\right)$$

$$= (7.5 - 7.13911)\left(1 + \frac{2 \times 330}{225.139}\right)\left(\frac{330}{330}\right)$$

$$\boxed{V_{out} = 1.4188\,v}$$