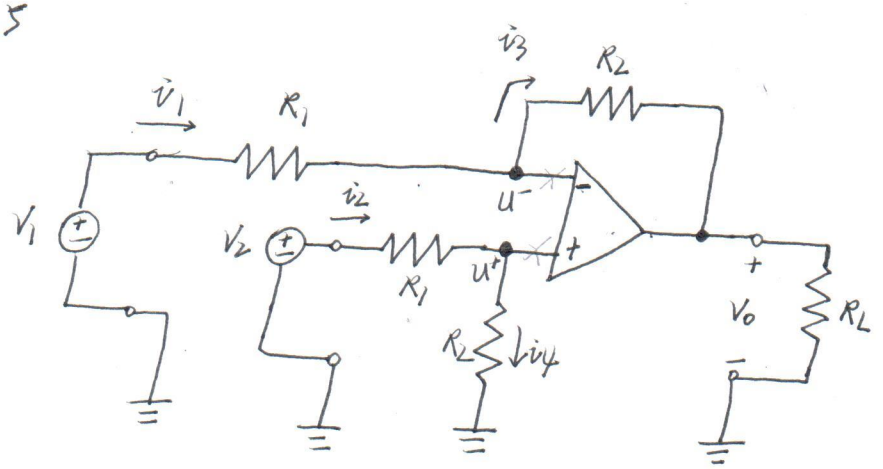
4.5



First, we verify that negative feedback is present.

According to the summing-point constraint:

$$\begin{cases} i_1 = i_3 \\ i_2 = i_4 \end{cases}$$

$$\therefore \begin{cases} \dfrac{V_1 - u^-}{R_1} = \dfrac{u^- - V_o}{R_2} \quad ① \\ \dfrac{V_2 - u^+}{R_1} = \dfrac{u^+}{R_2} \quad ② \end{cases} \Rightarrow u^+ = \frac{R_2}{R_1 + R_2} V_2$$

$\because u^- = u^+$ (summing-point constraint)

$$\therefore u^- = u^+ = \frac{R_2}{R_1 + R_2} V_2$$

$$V_o = -\frac{R_2}{R_1}(V_1 - u^-) + u^-$$

$$= \frac{R_2}{R_1}(V_2 - V_1)$$