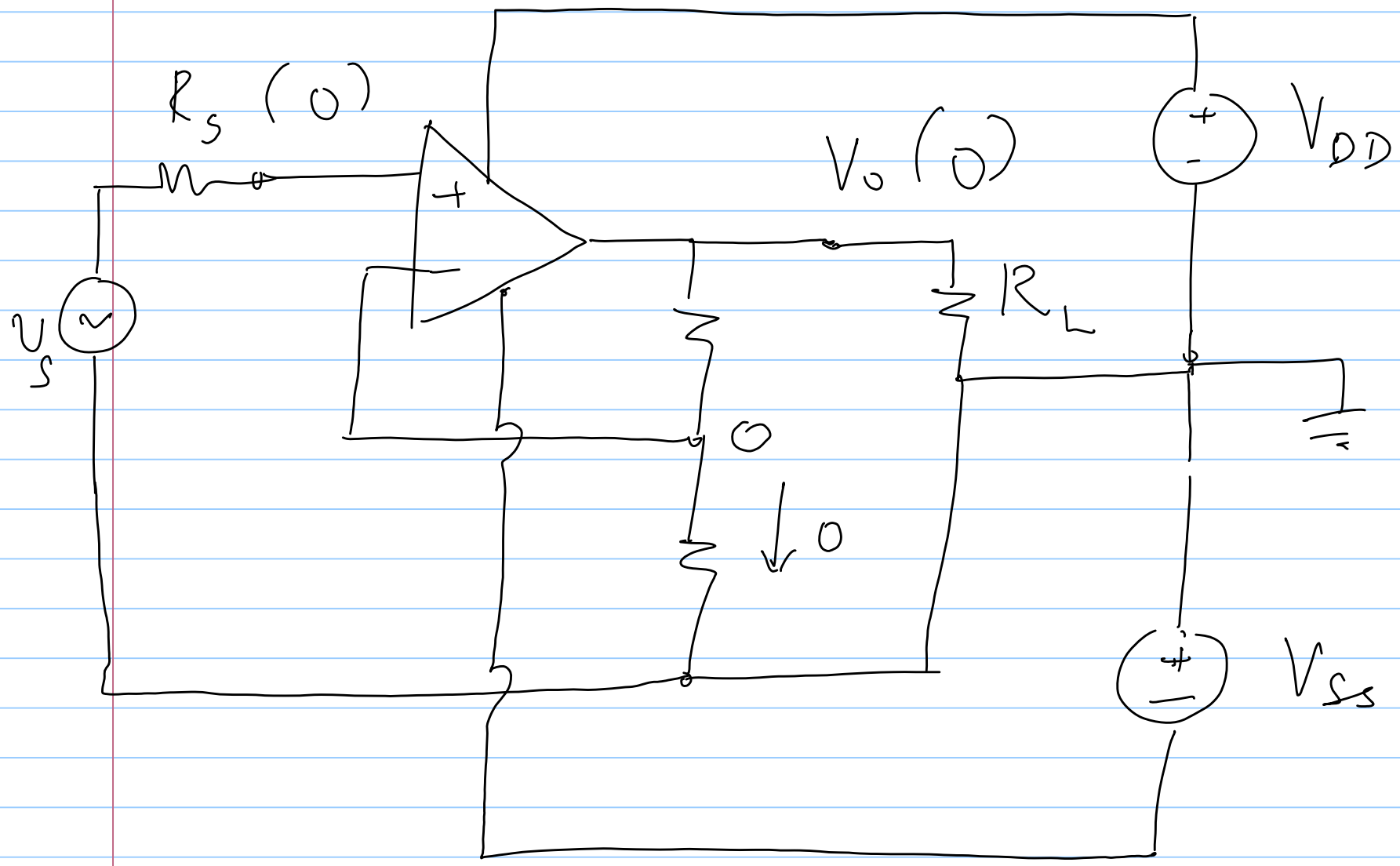
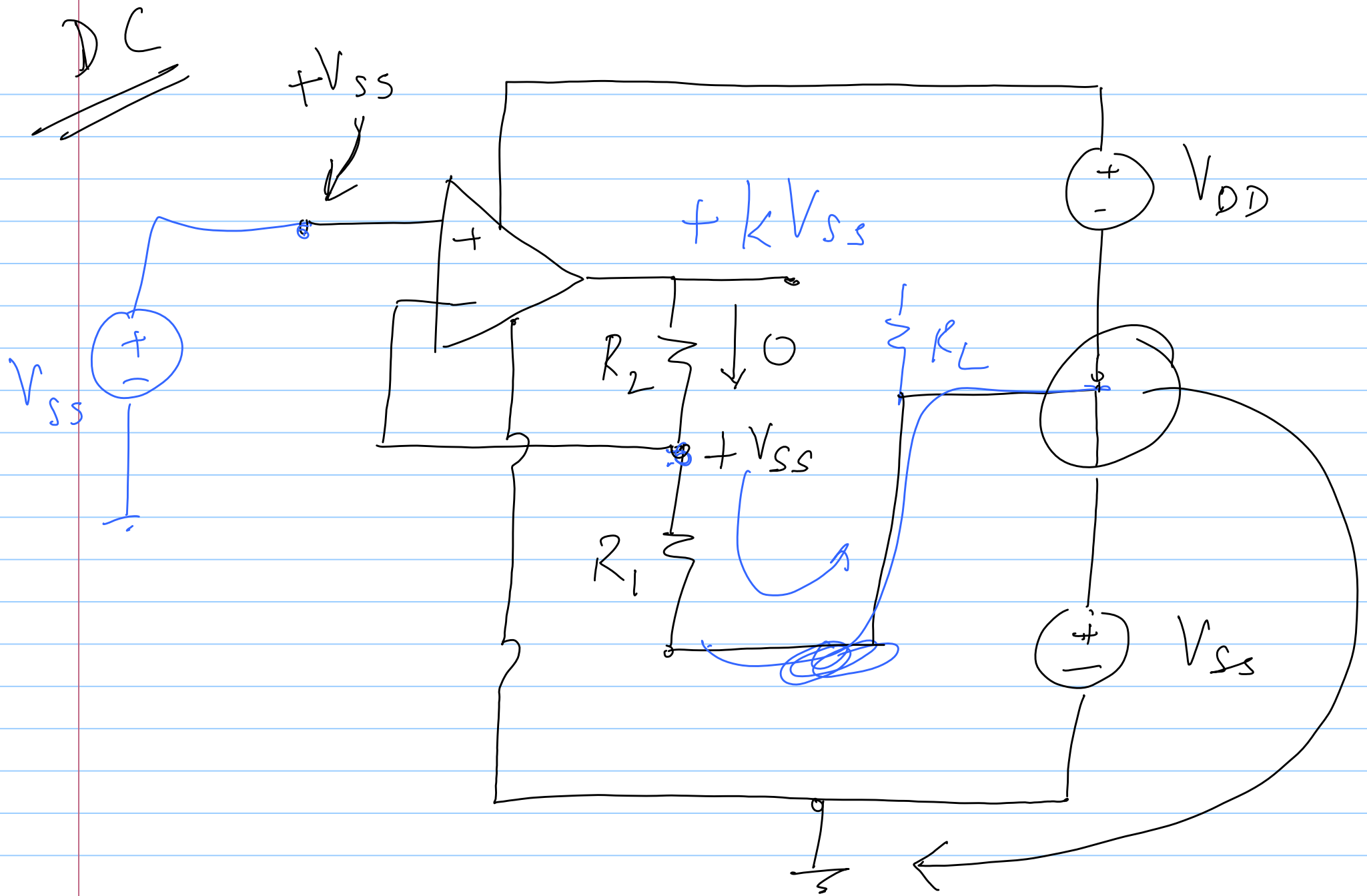
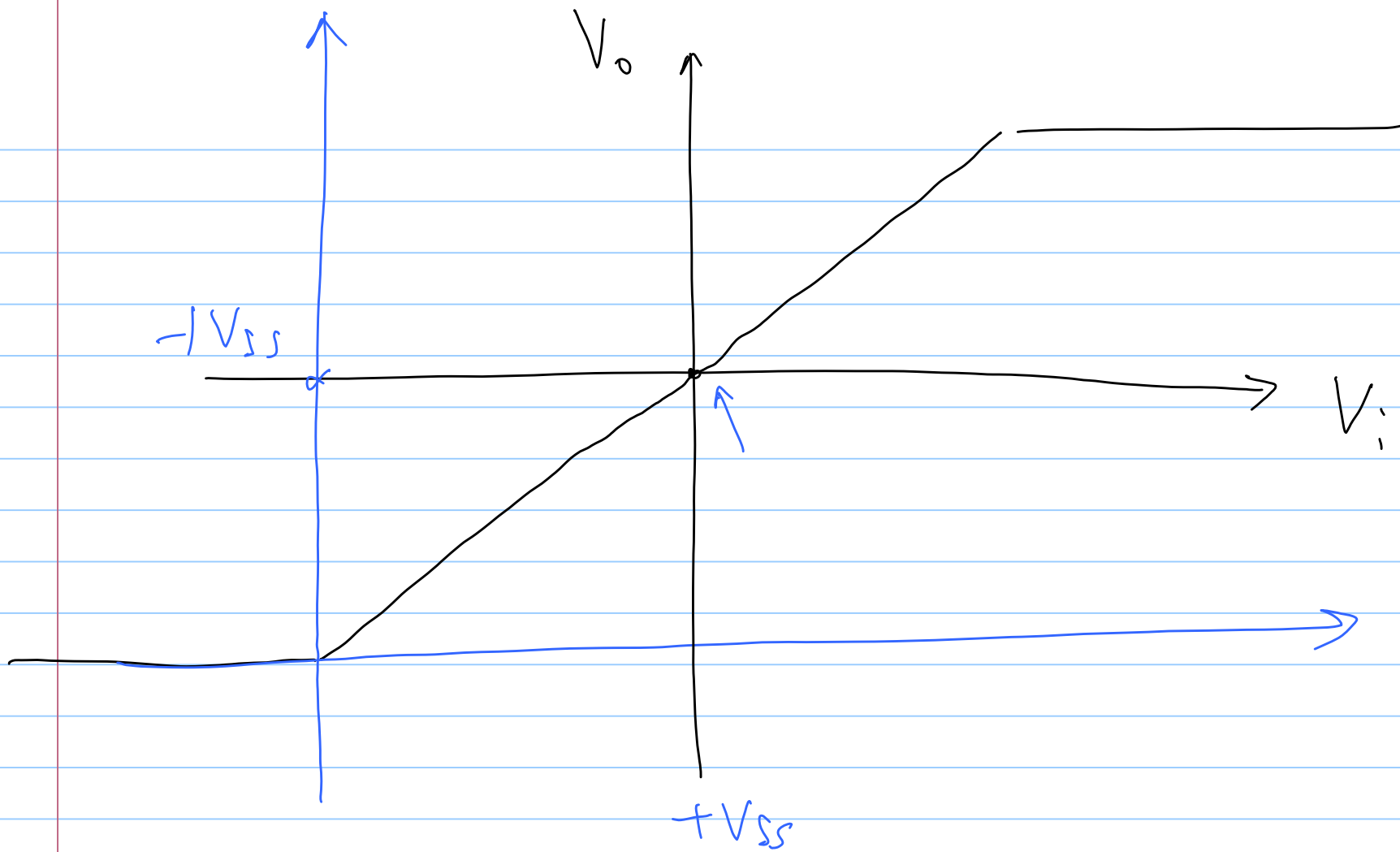


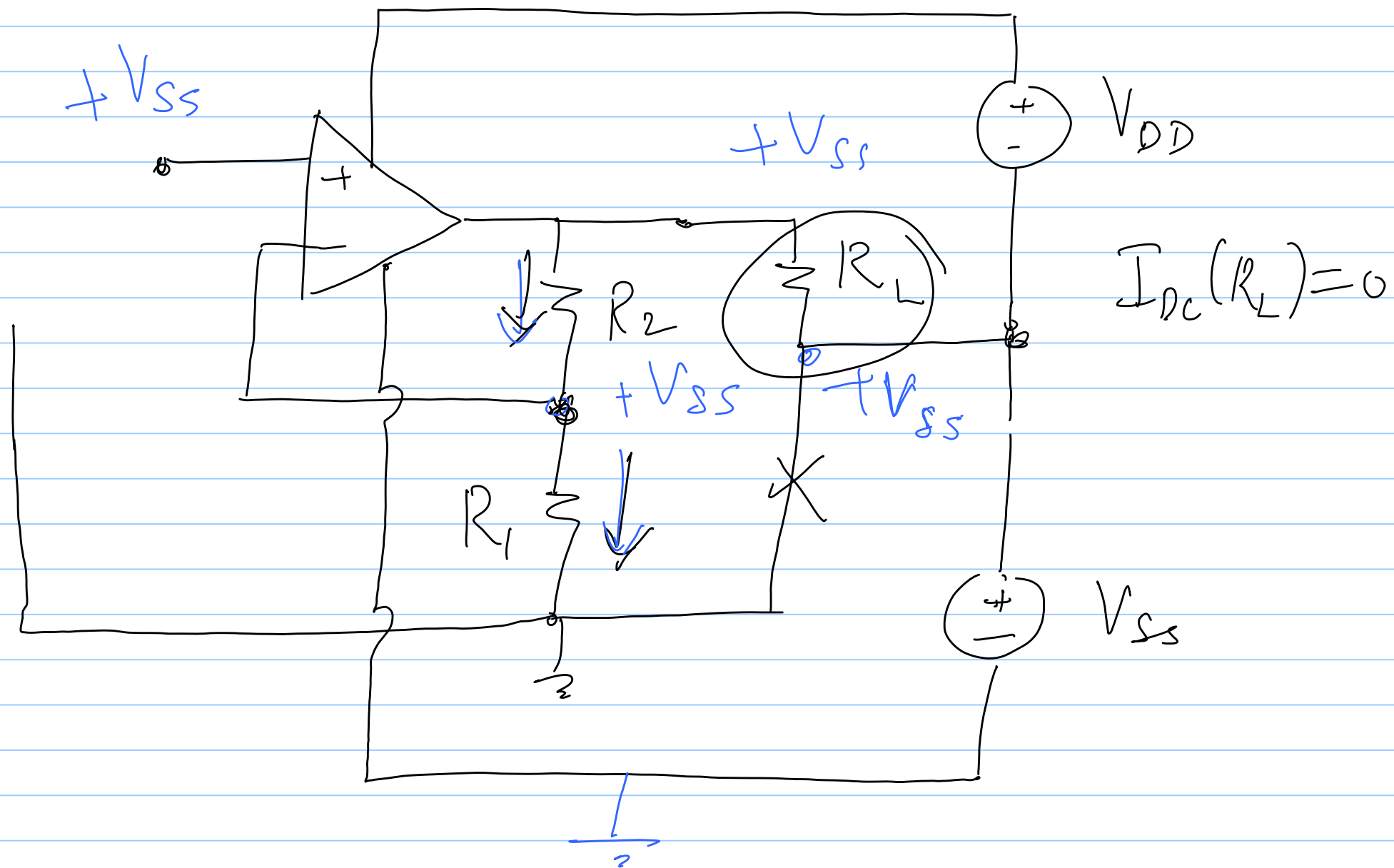
06/02/2019

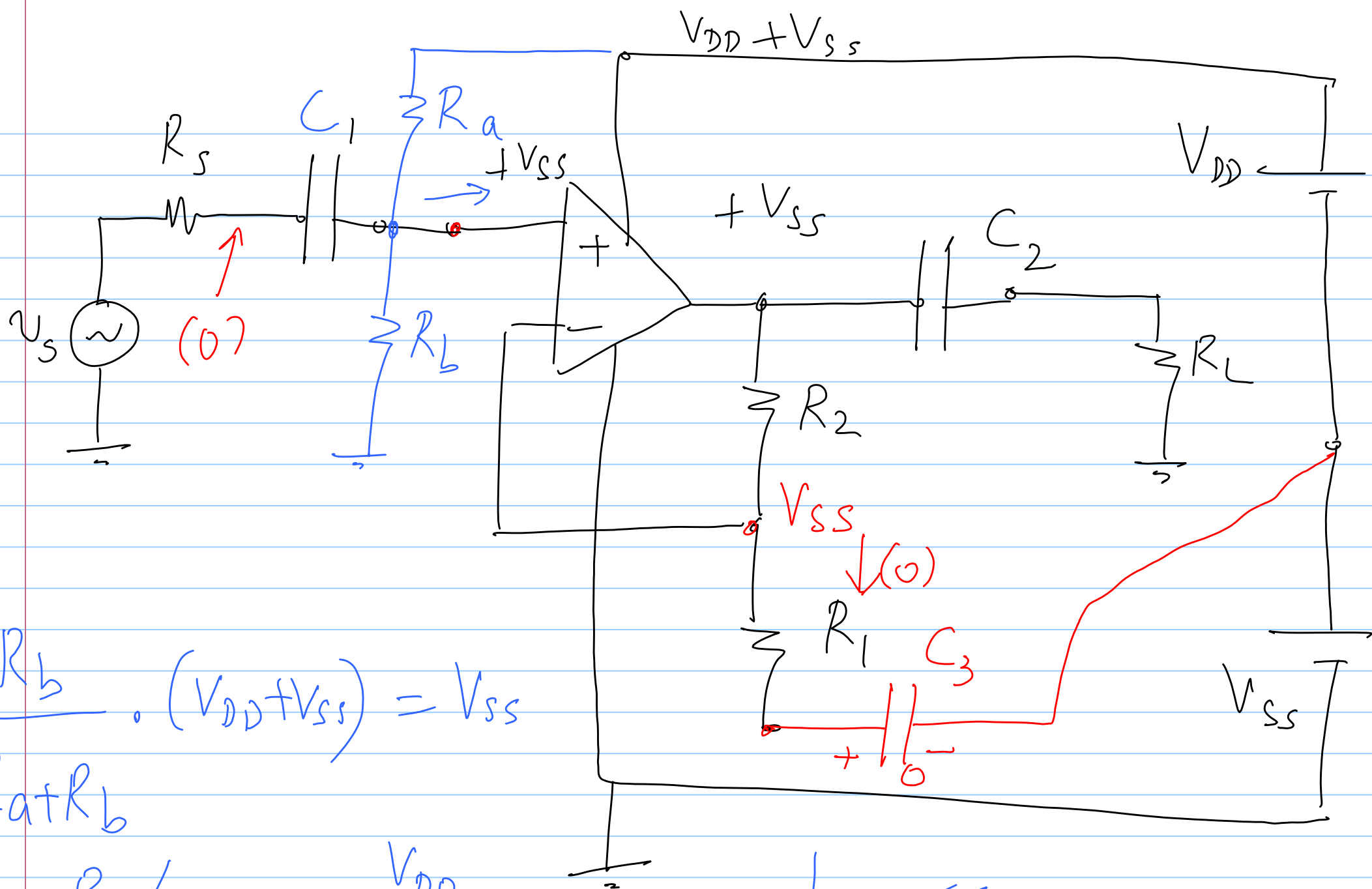
Lecture 12







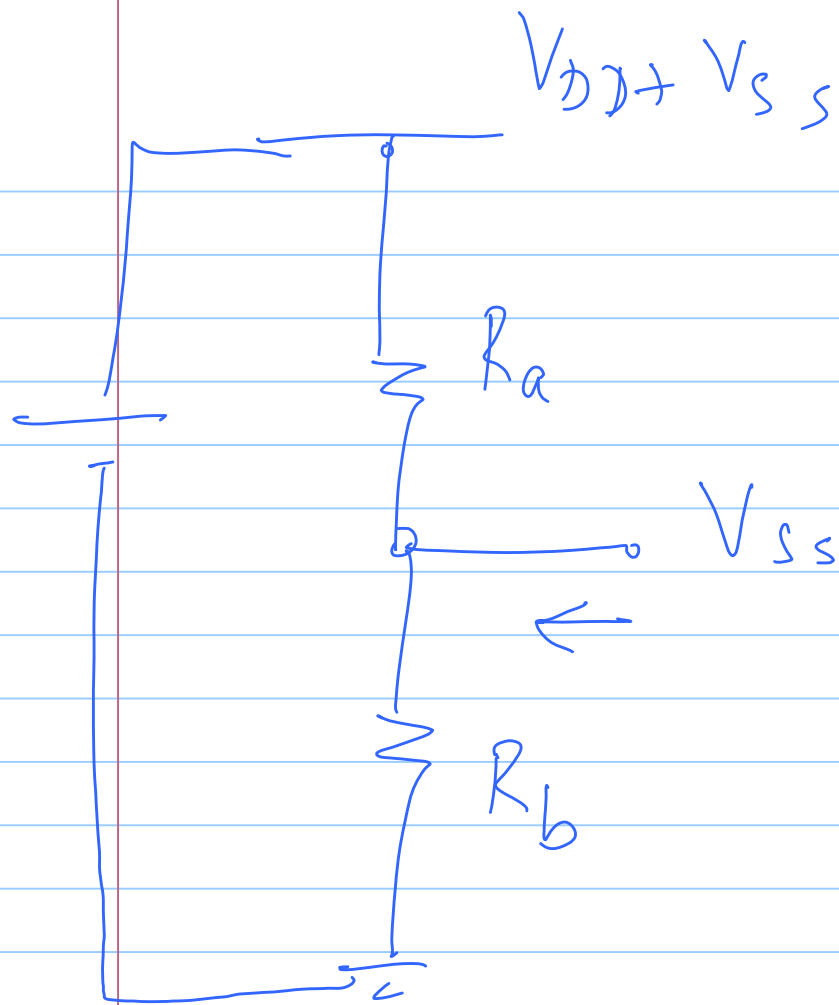




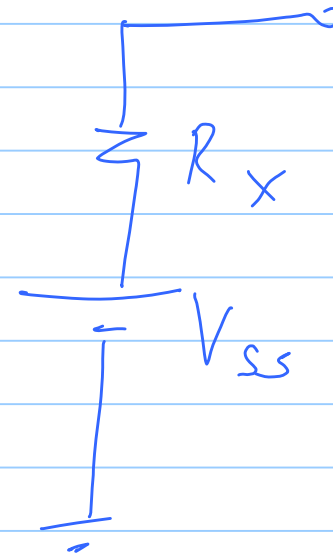
$$\frac{R_b}{R_a + R_b} \cdot (V_{DD} + V_{SS}) = V_{SS}$$

$$\frac{R_a}{R_b} = \frac{V_{DD}}{V_{SS}}$$

$$\frac{1}{\omega C} \ll$$

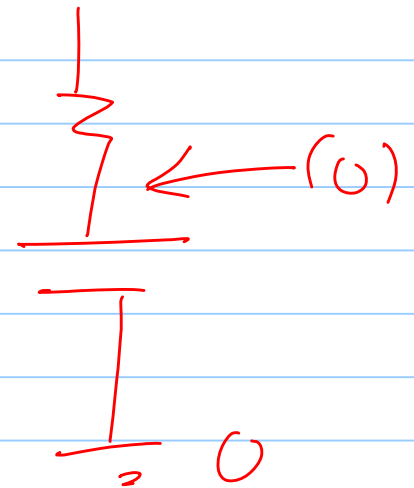
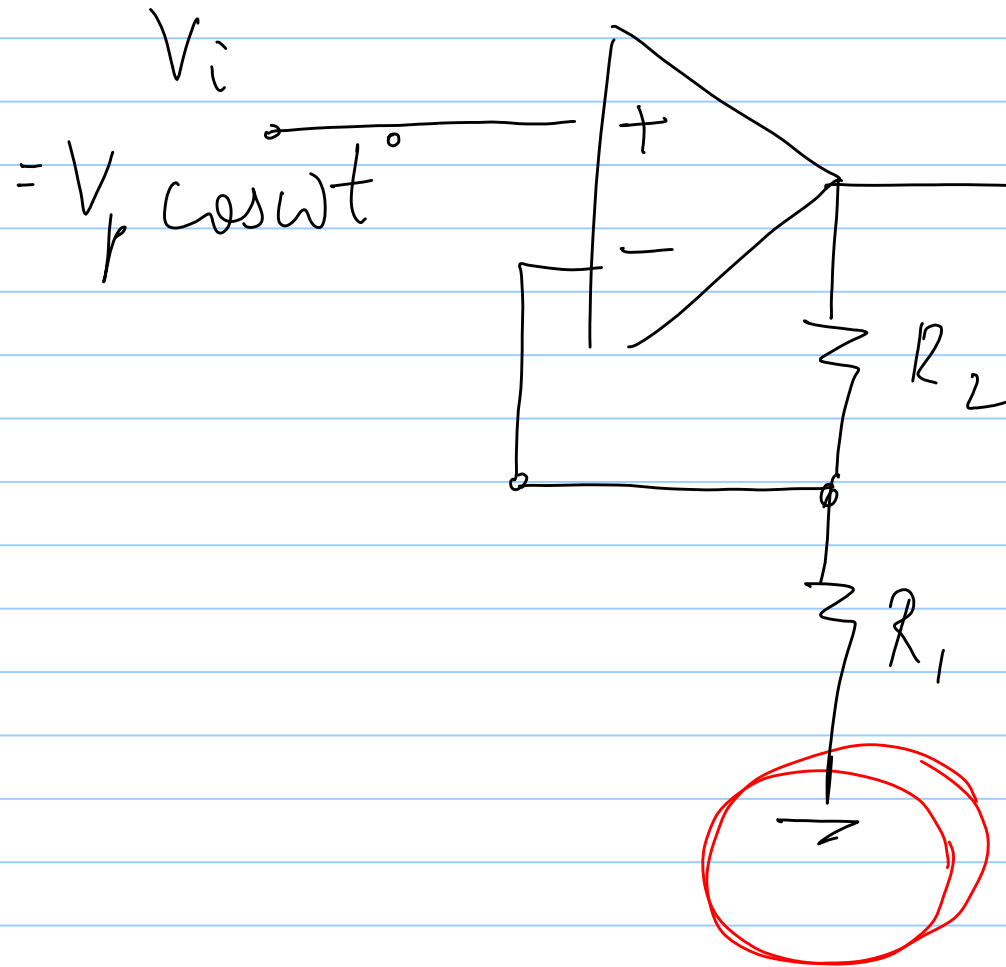


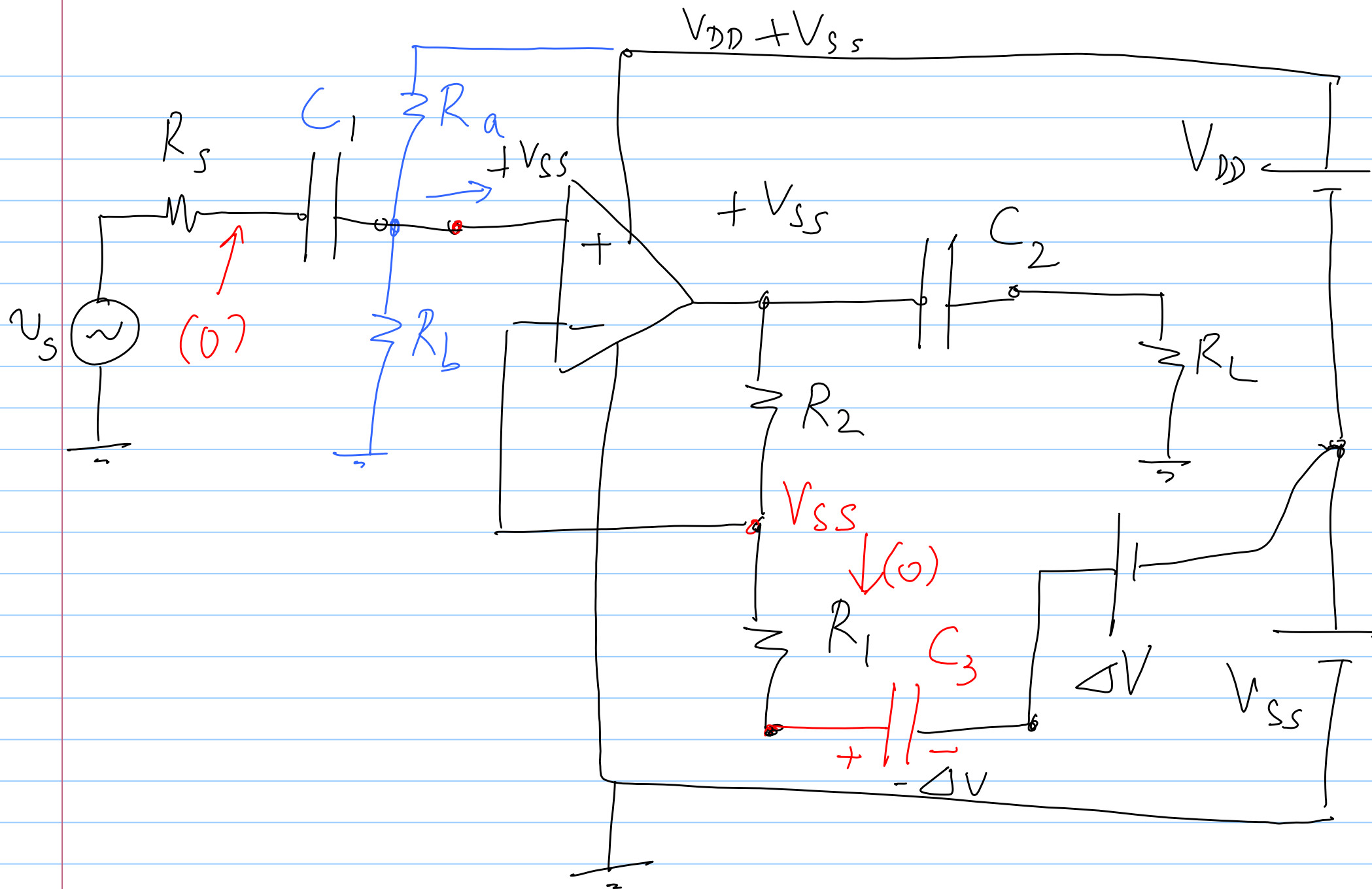
$\equiv$

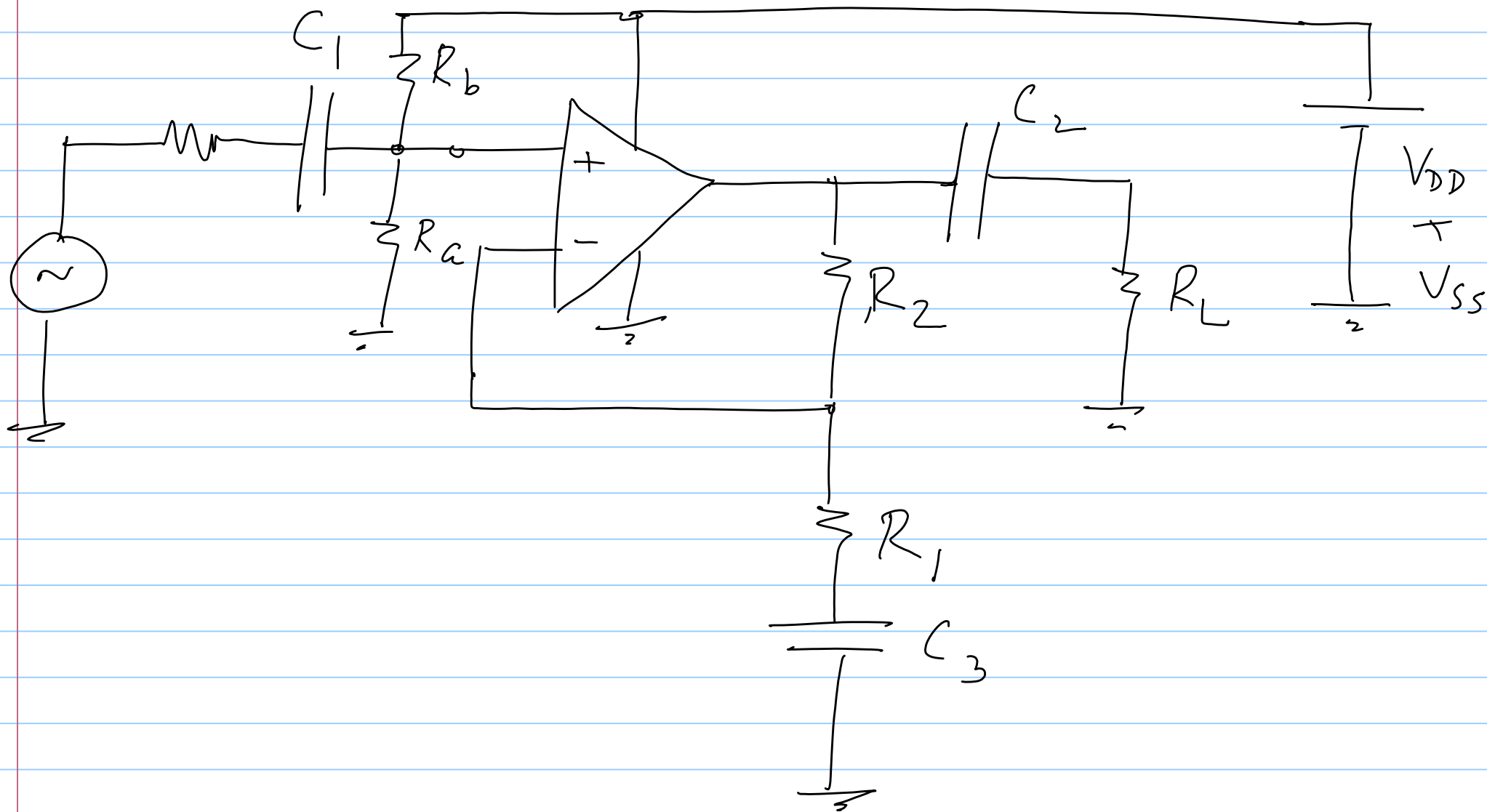


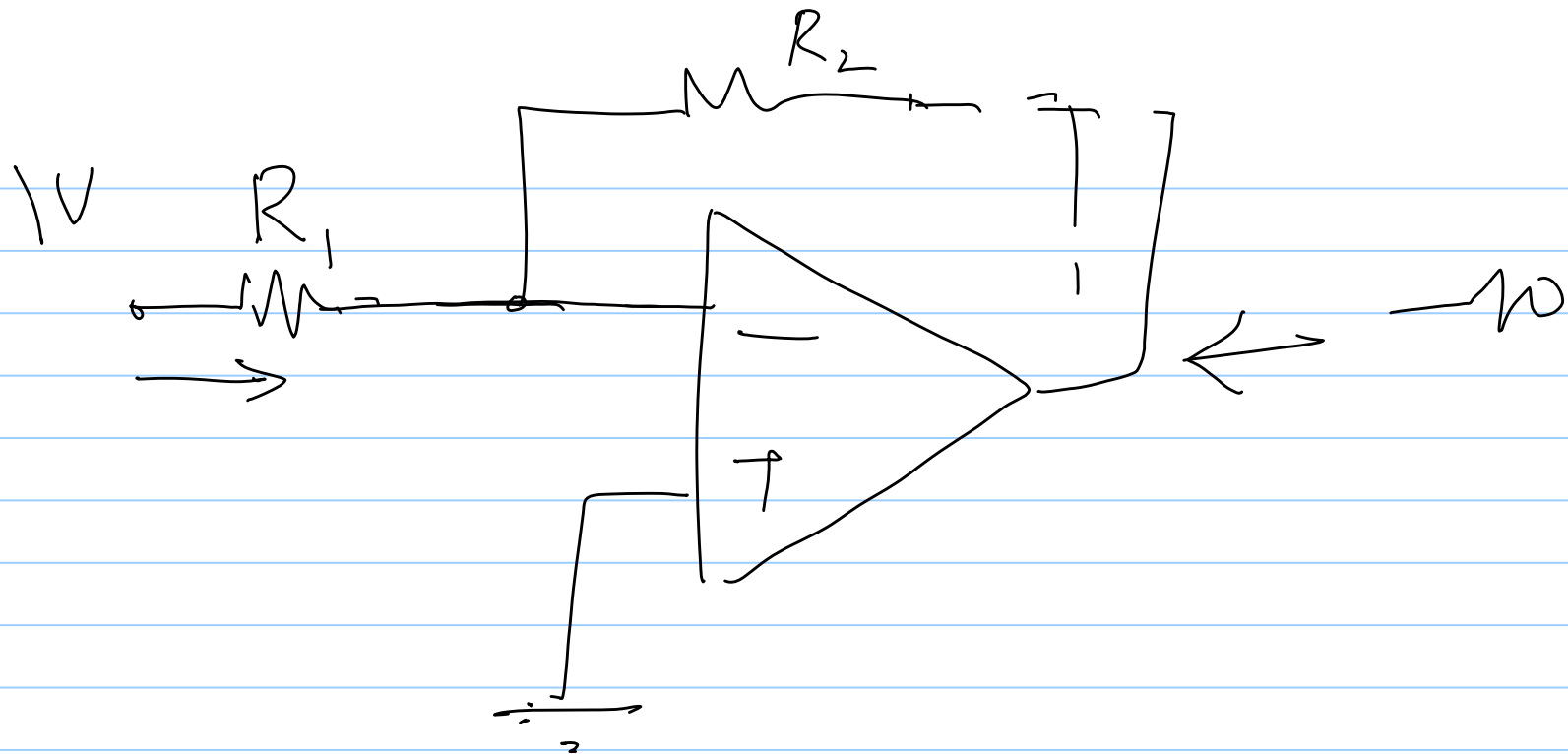
$$R_x \gg \frac{1}{\omega C}$$

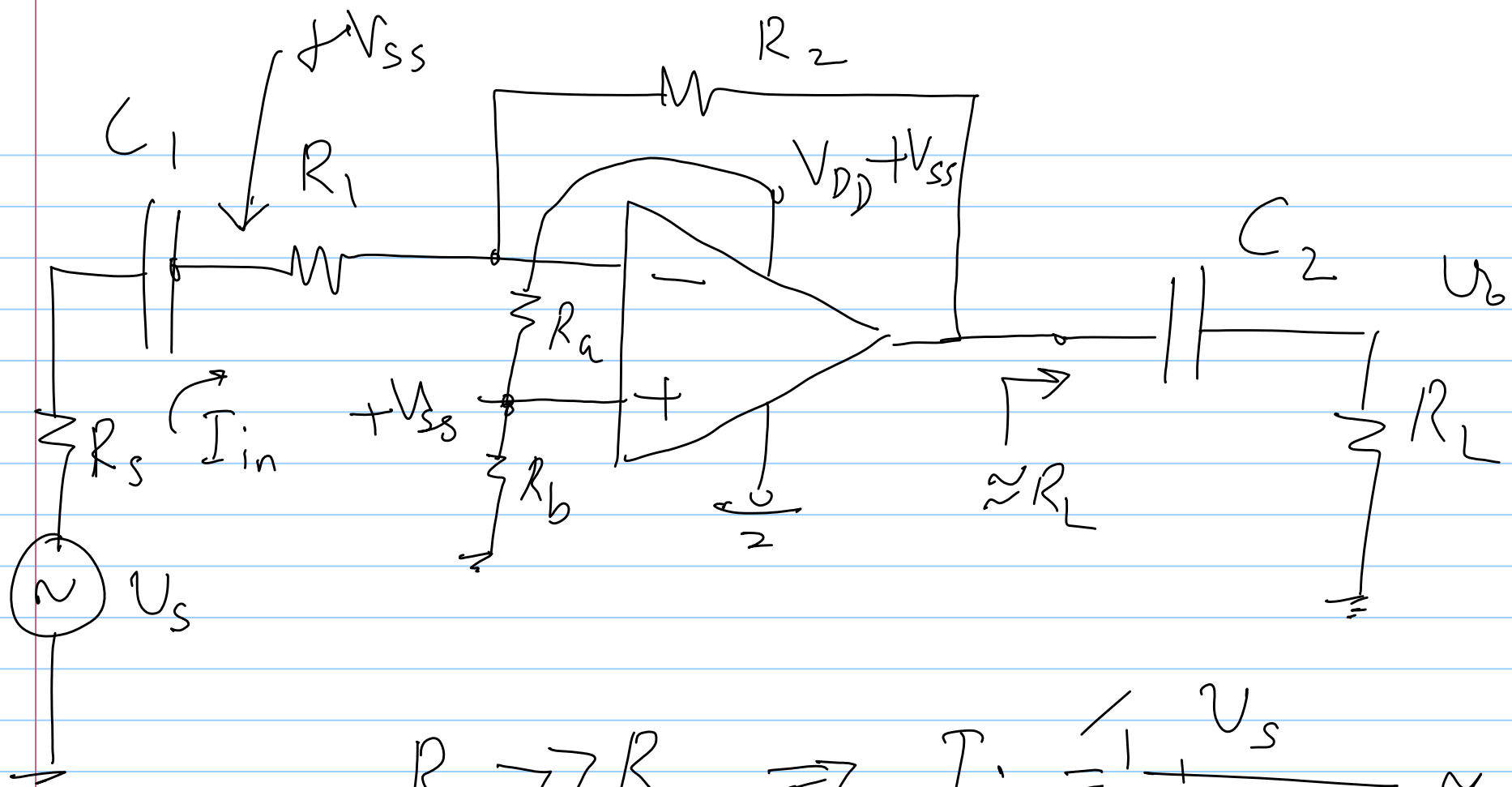
$$R_x = R_a \parallel R_b$$











$$R_1 \gg R_s \Rightarrow I_{in} = \frac{U_s}{R_1 + R_s} \approx \frac{U_s}{R_1}$$