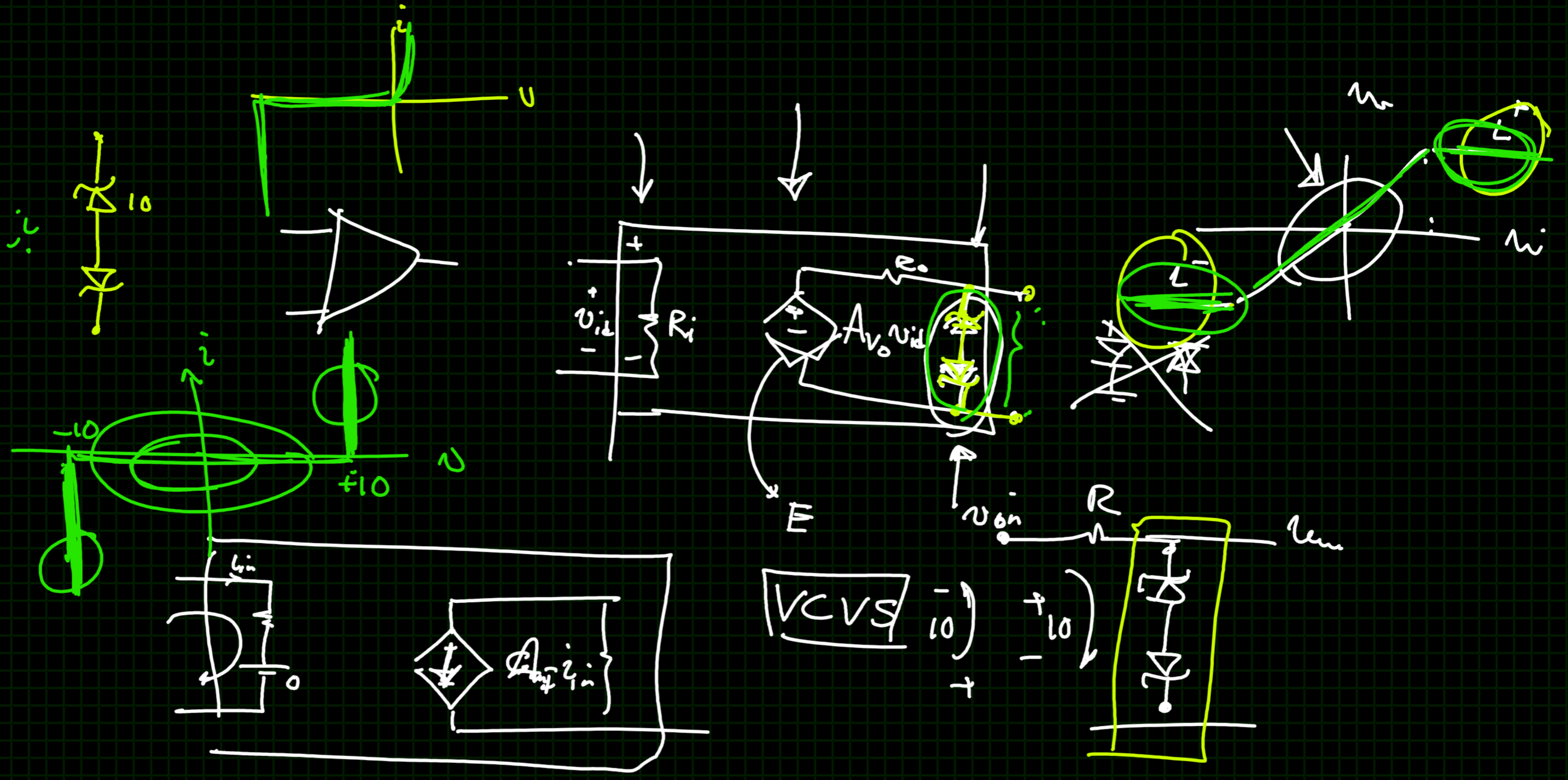
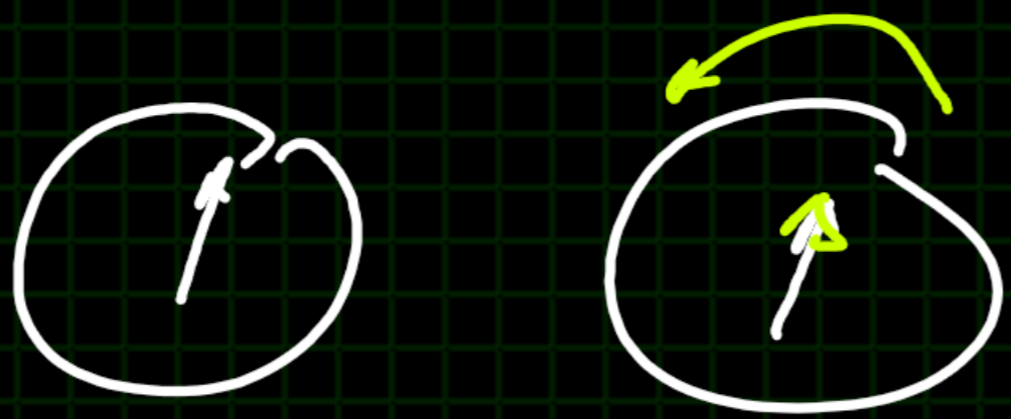
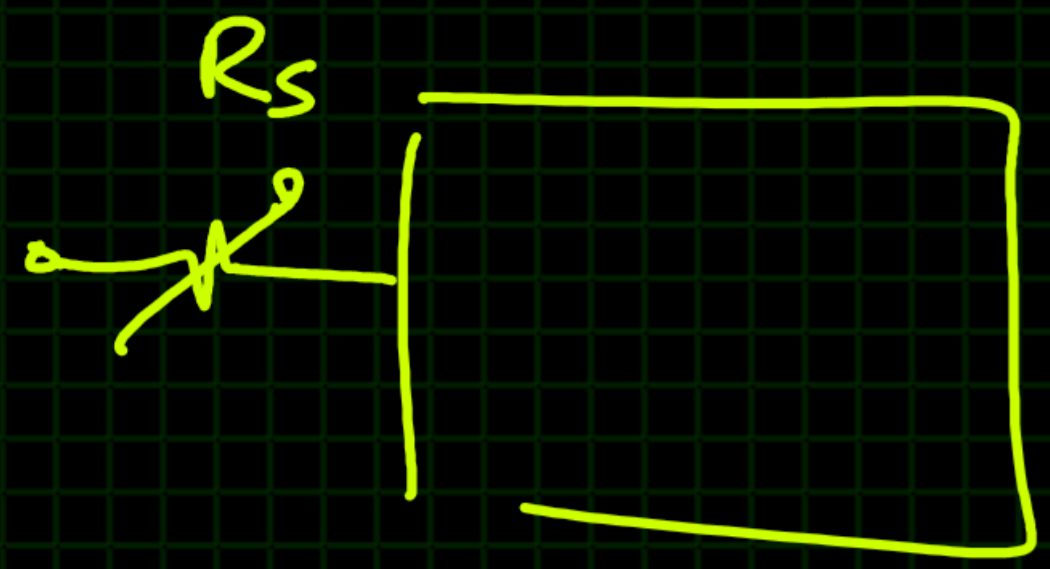


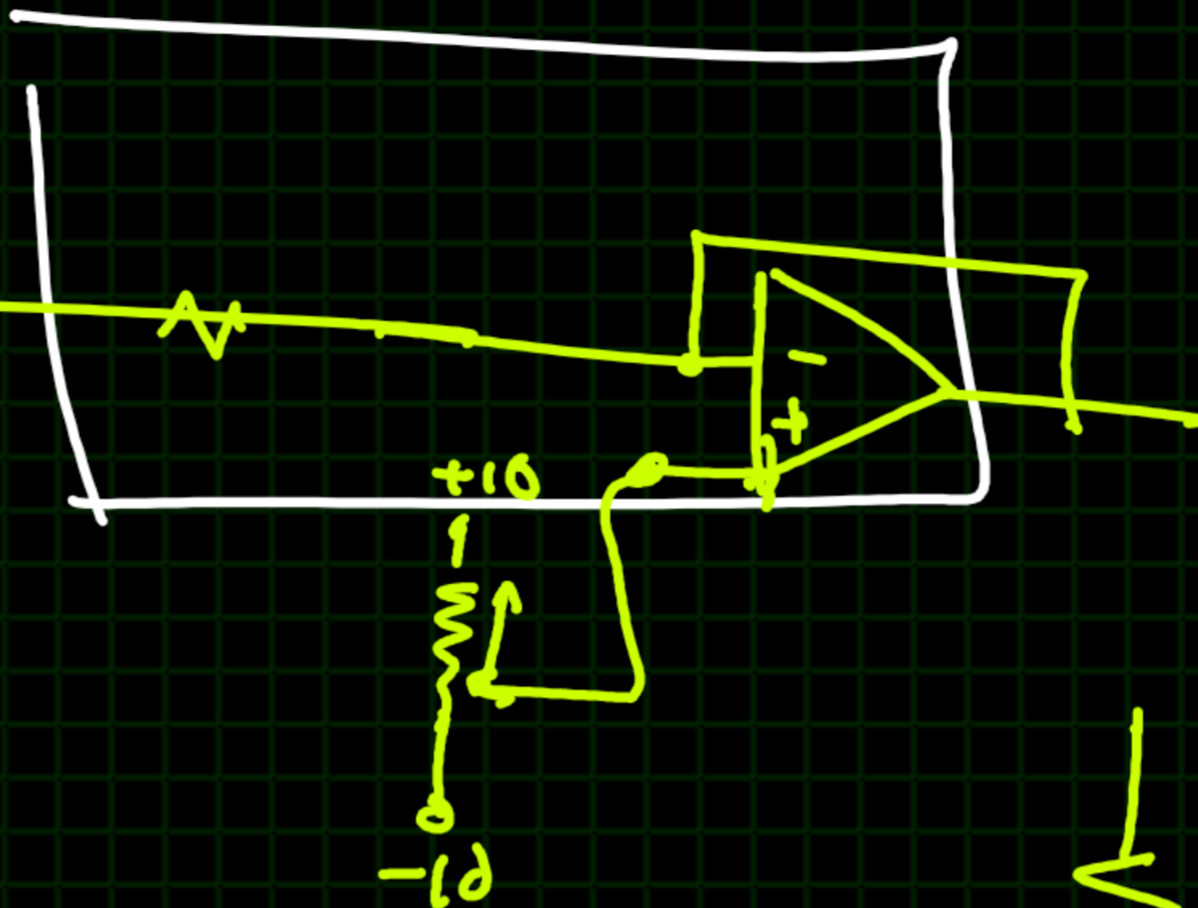
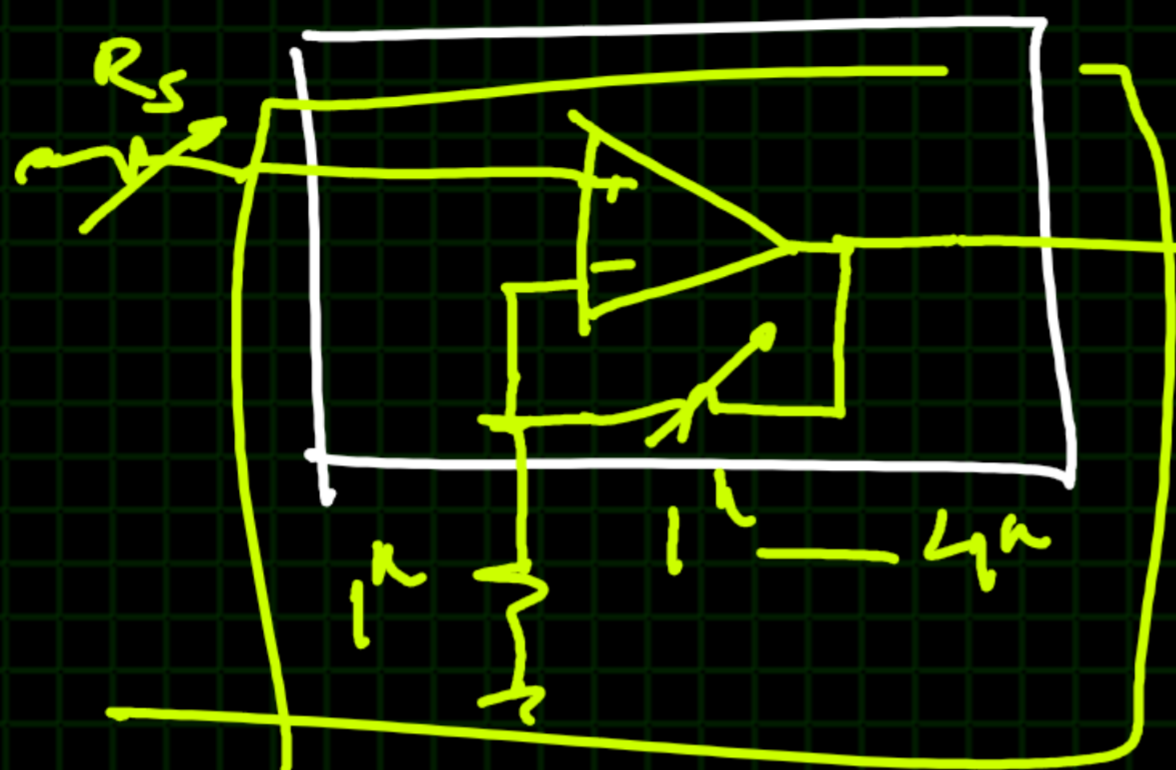
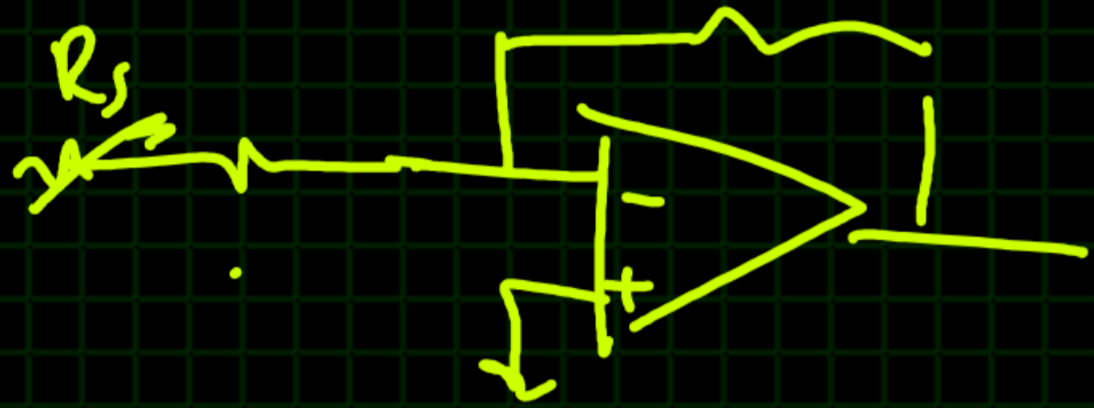
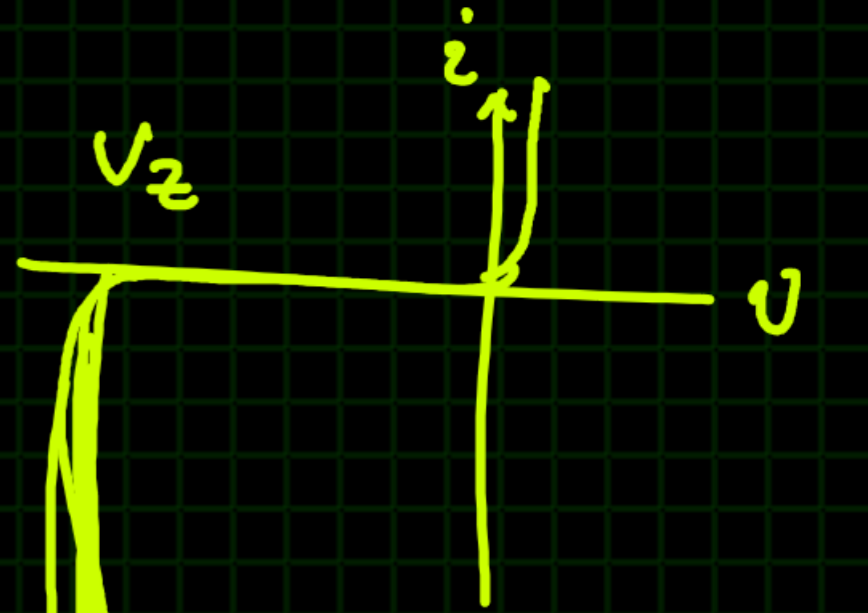
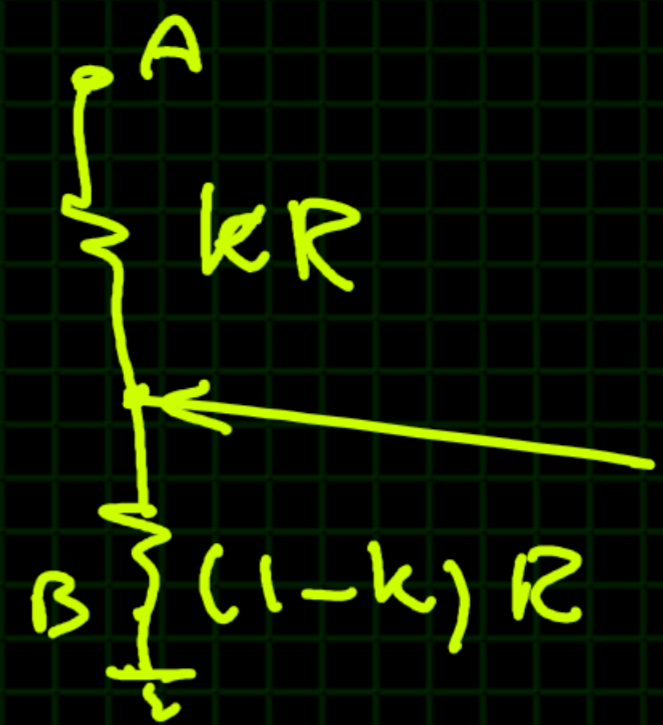
①





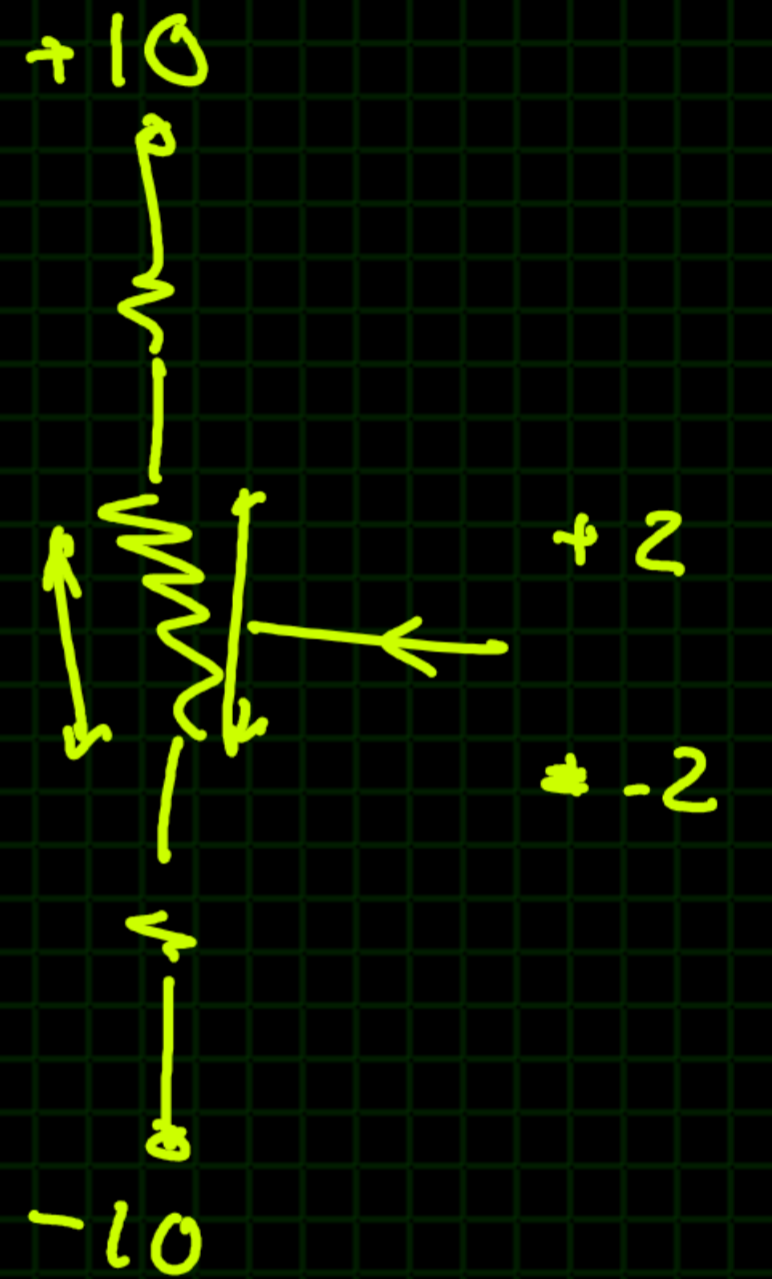
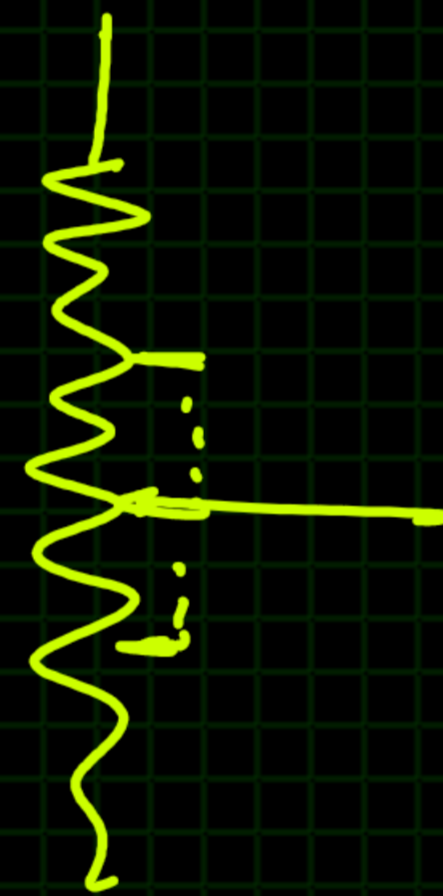
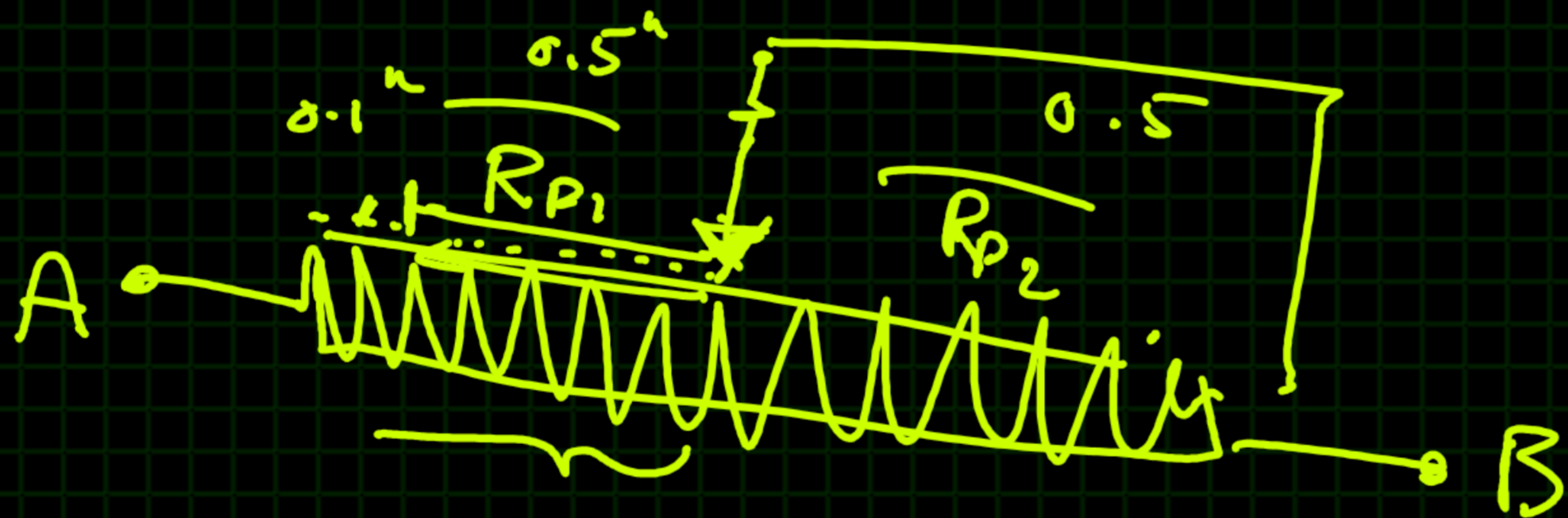
طریقہ ۱ - نتیجہ ہے

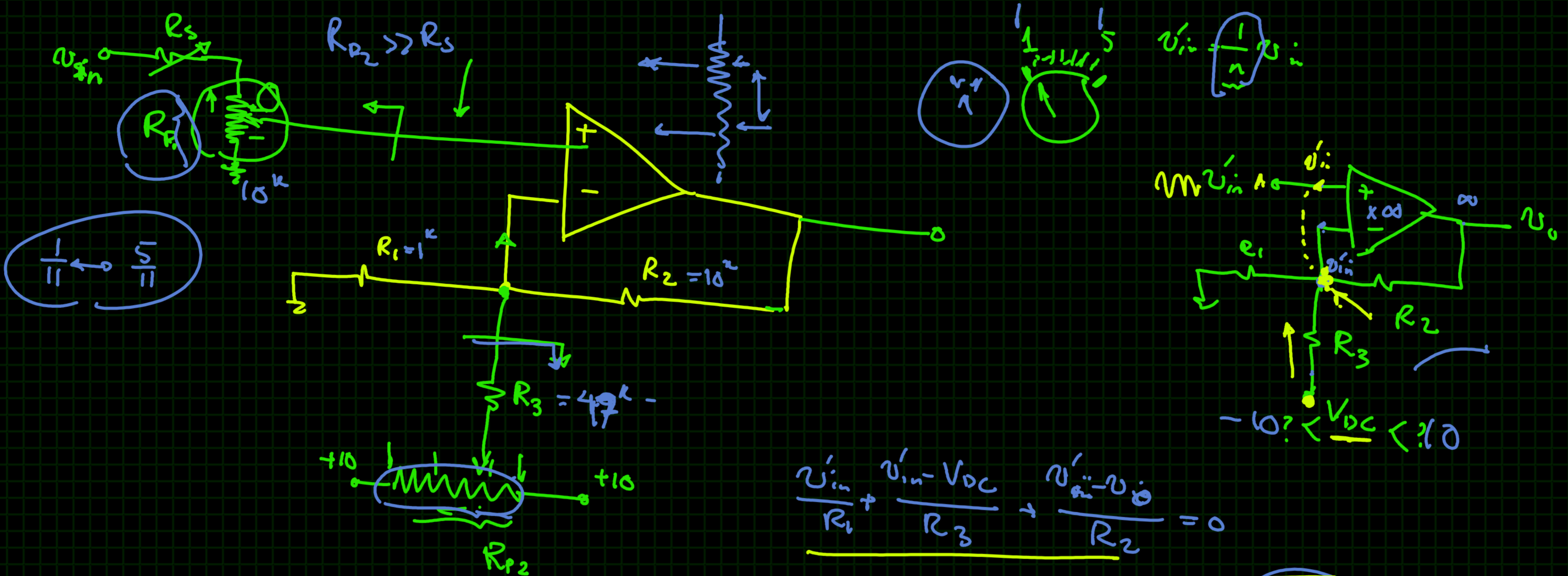
نتیجہ DC



1kΩ

$$R_{e1} + R_{p2} = 1k$$





$$\frac{v'_{in}}{R_1} + \frac{v'_{in} - V_{DC}}{R_3} + \frac{v'_{out} - v_{in}}{R_2} = 0$$

$$v_{out} = A_v v'_{in} + V_{DC} \left(\frac{R_2}{R_3} \right)$$

$$v_{out} = v'_{in} \underbrace{\left(1 + \frac{R_2}{R_1} \right)}_{A_v} + V_{DC} \left(\frac{R_2}{R_3} \right)$$

$\frac{R_2}{R_3} = \frac{1}{5}$

