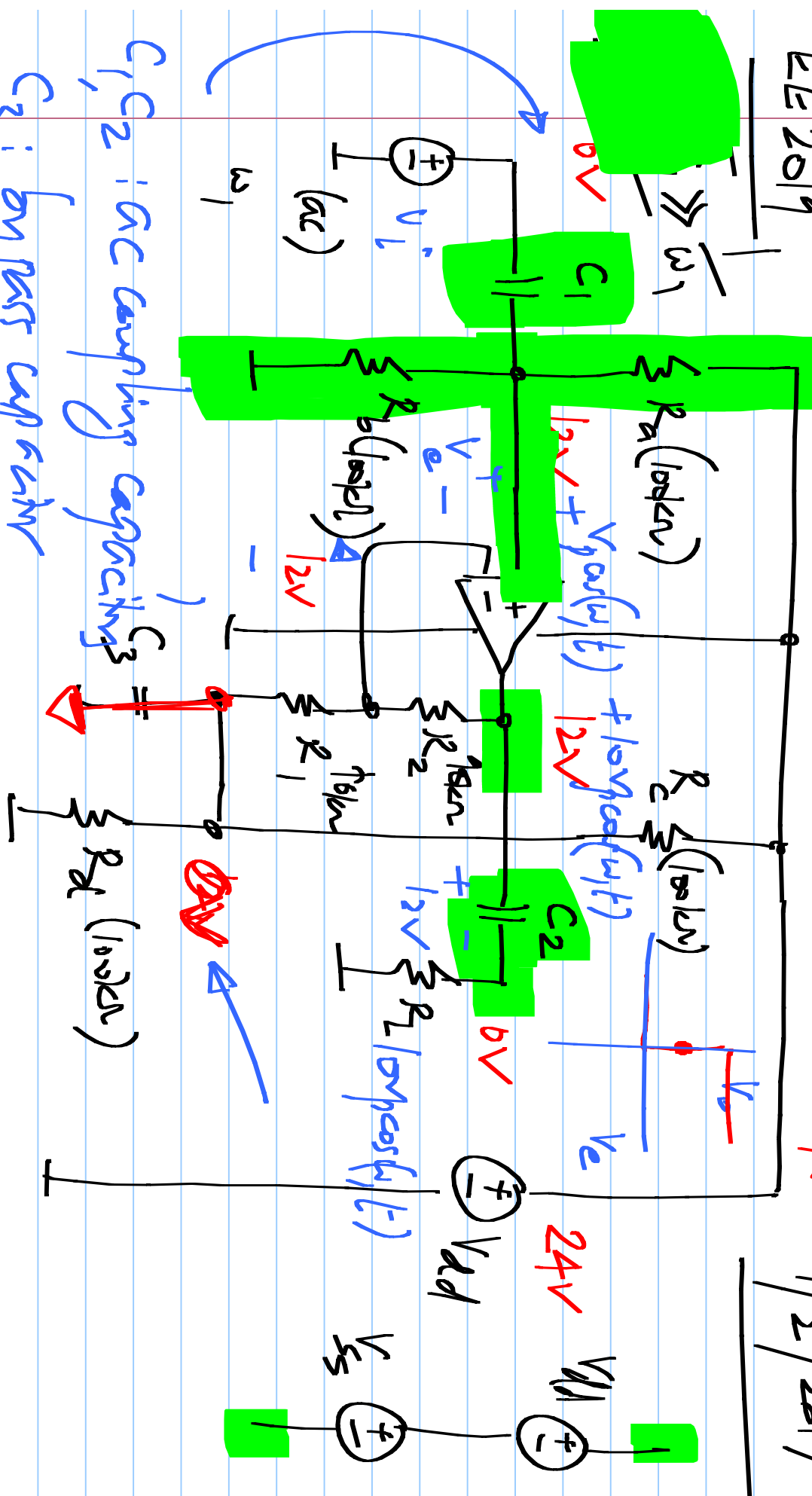


EE 2019

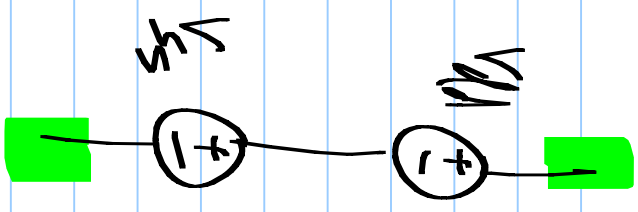
Bias point (operating point)

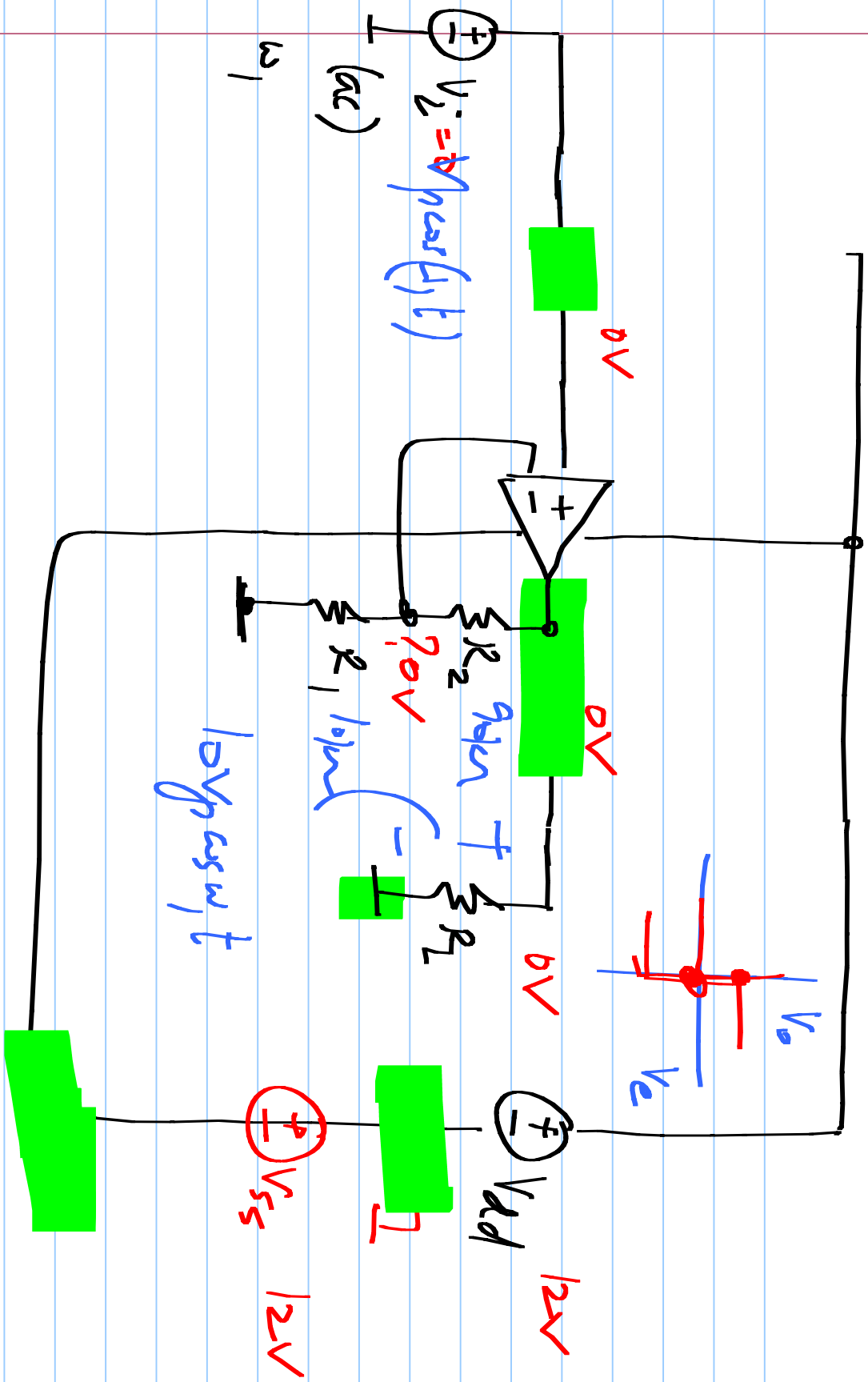
24V

1/2/2017

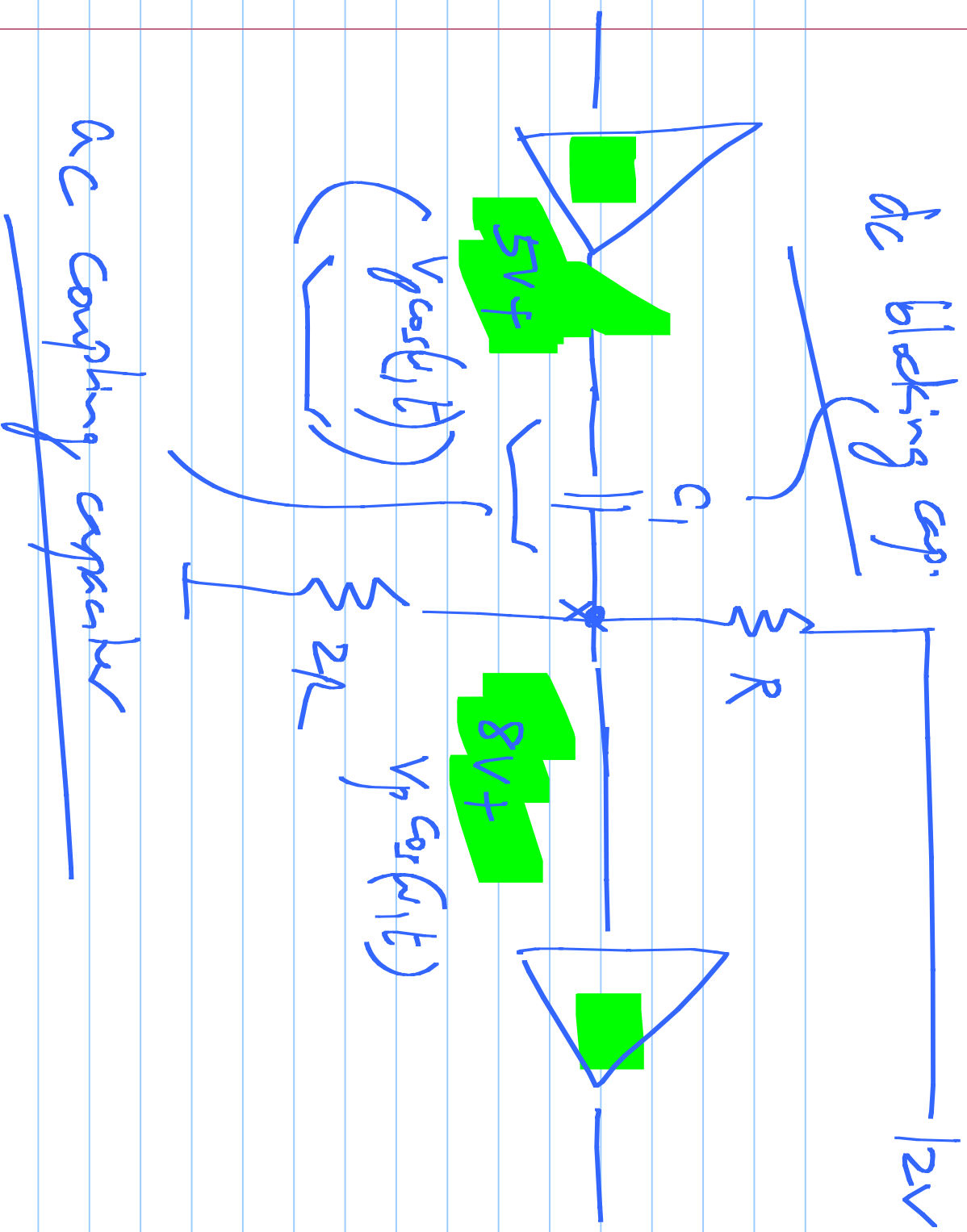


C_1, C_2 : AC coupling capacitors
 C_3 : bypass capacitor

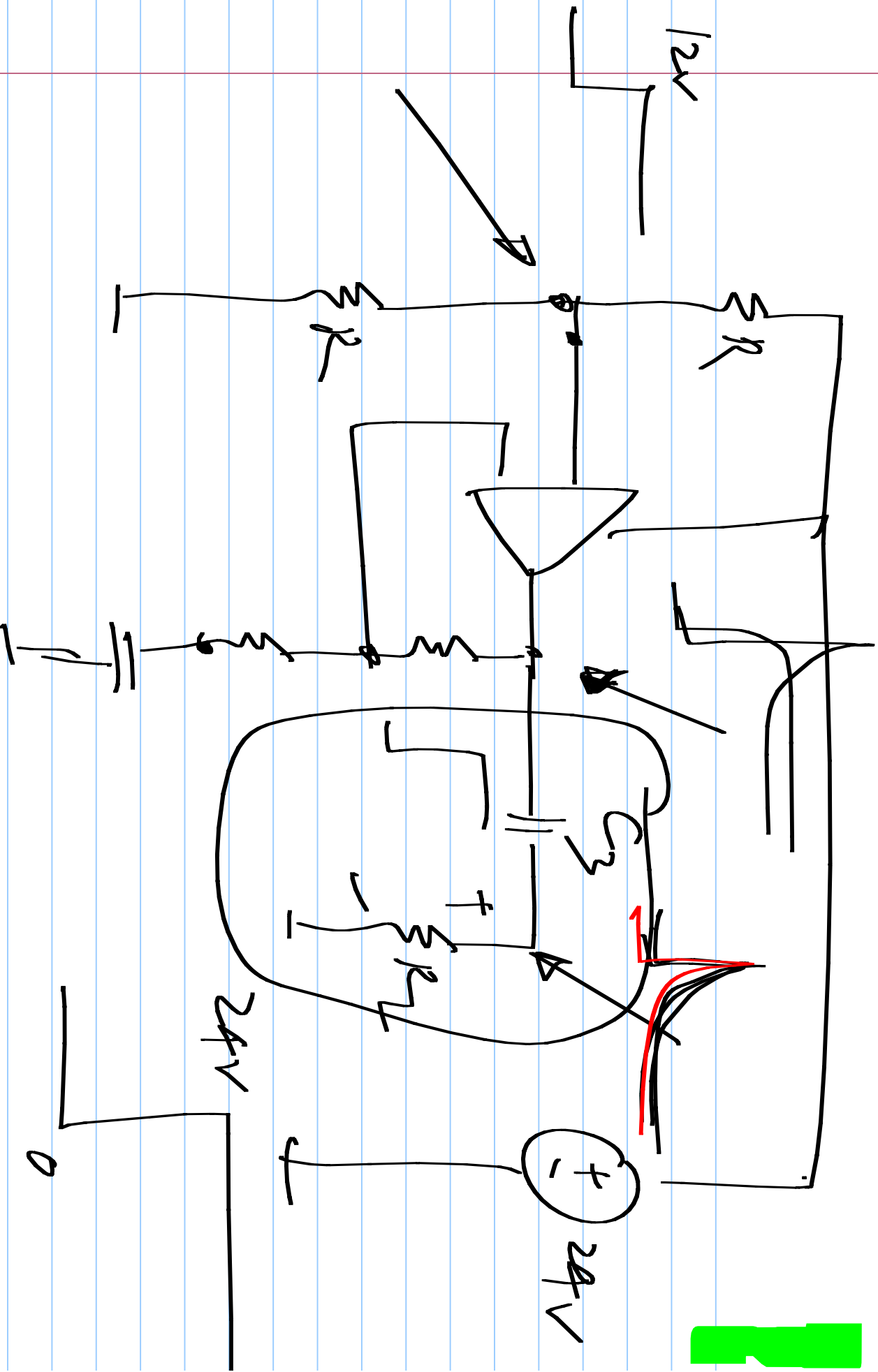


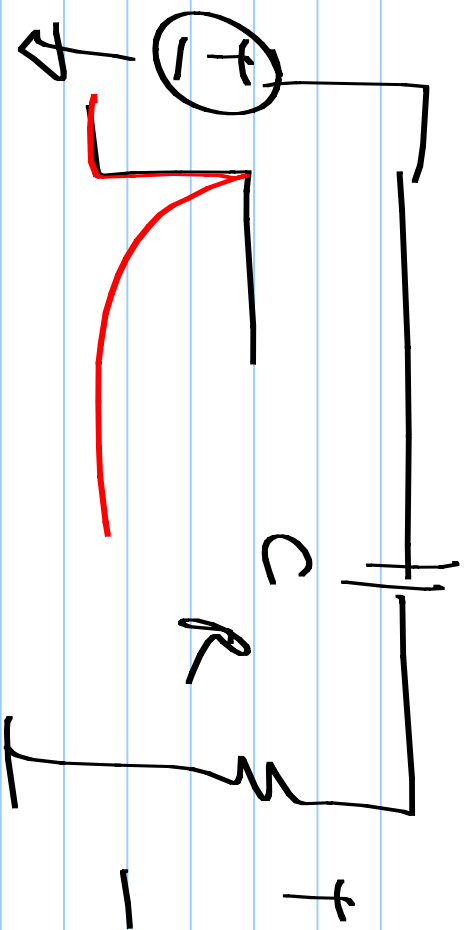


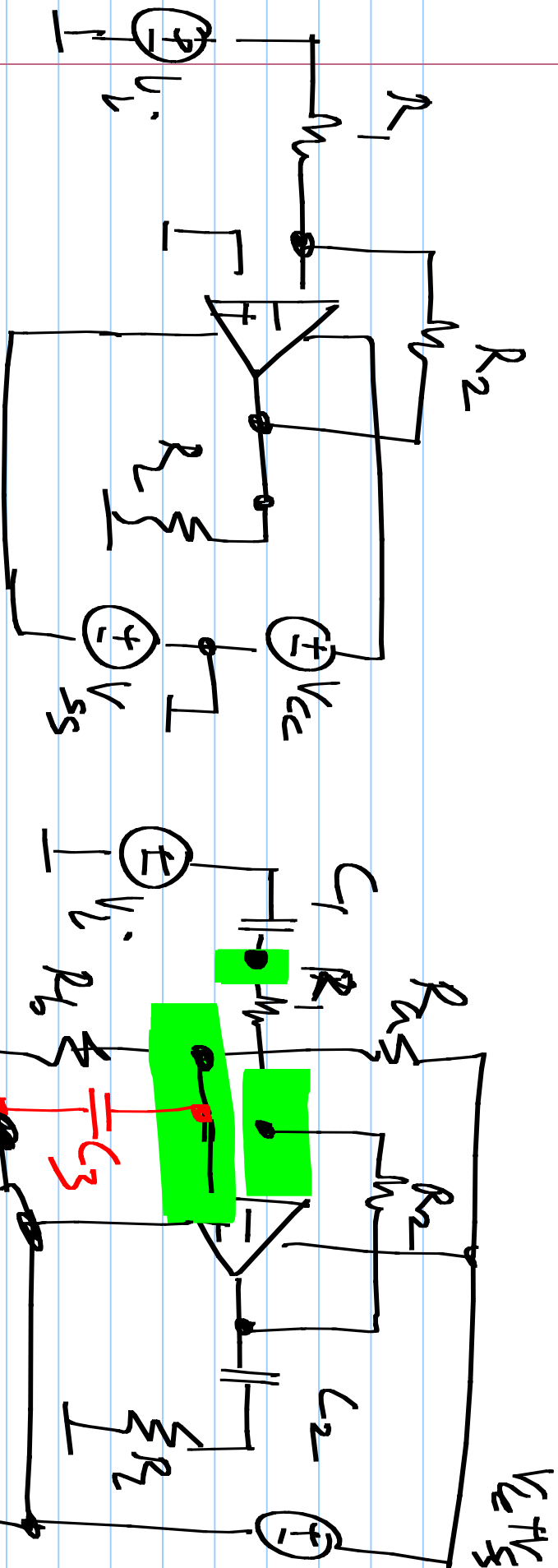
10yascwt



AC coupling capacitor



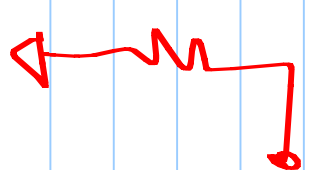




$$C_1 : \frac{1}{\omega C_1} \ll R_1$$

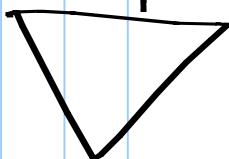
$$C_2 : \frac{1}{\omega C_2} \ll R_2$$

$$C_3 : \frac{1}{\omega C_3} \ll R_L$$



$$\boxed{V_1 + V_2}$$

z_1



$$0.5V_1 + 0.5V_2 + \beta V_2$$

$$z_2(0) \gg z_1(0)$$

$$z_1(\omega_2) \gg z_2(\omega_2)$$

