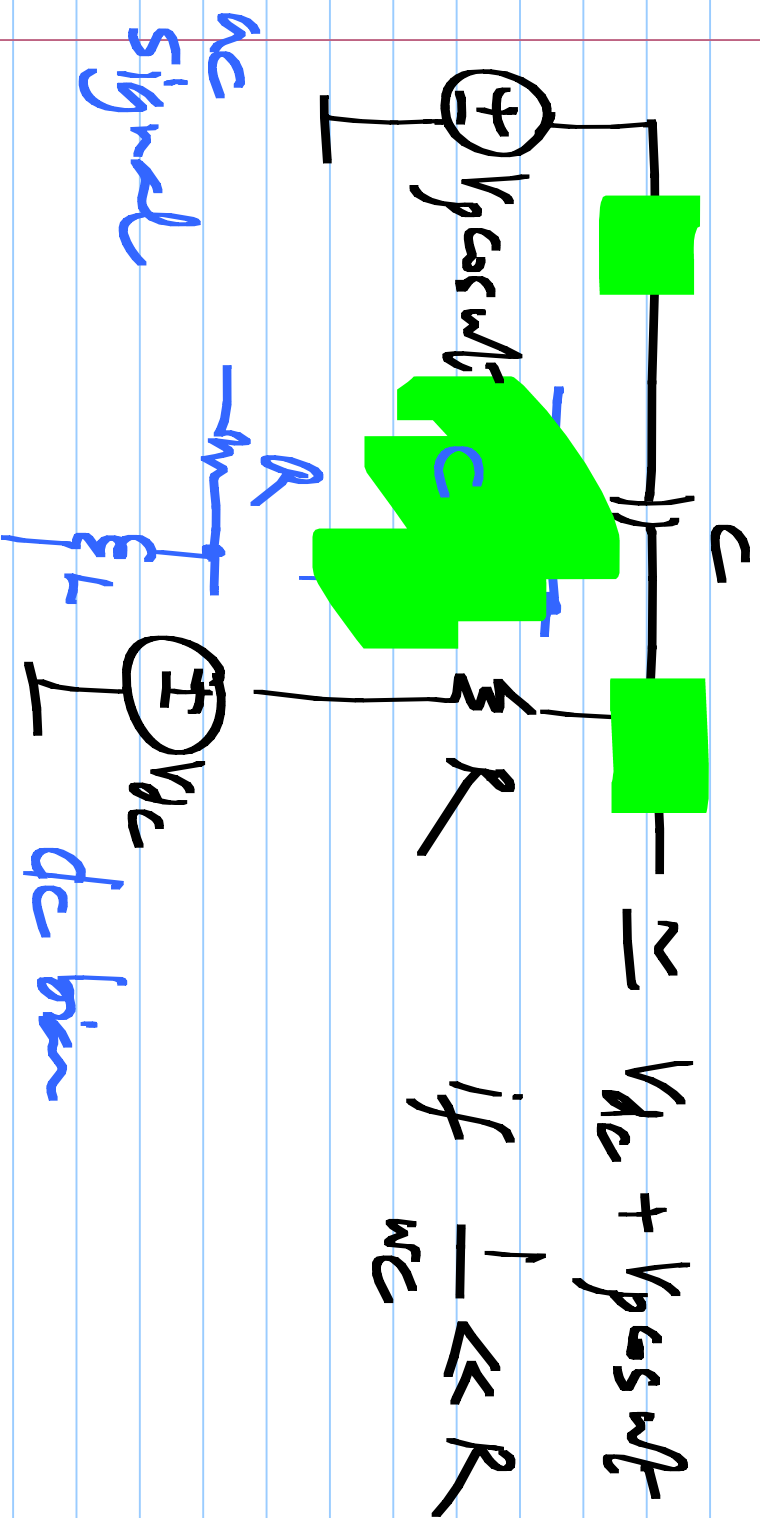
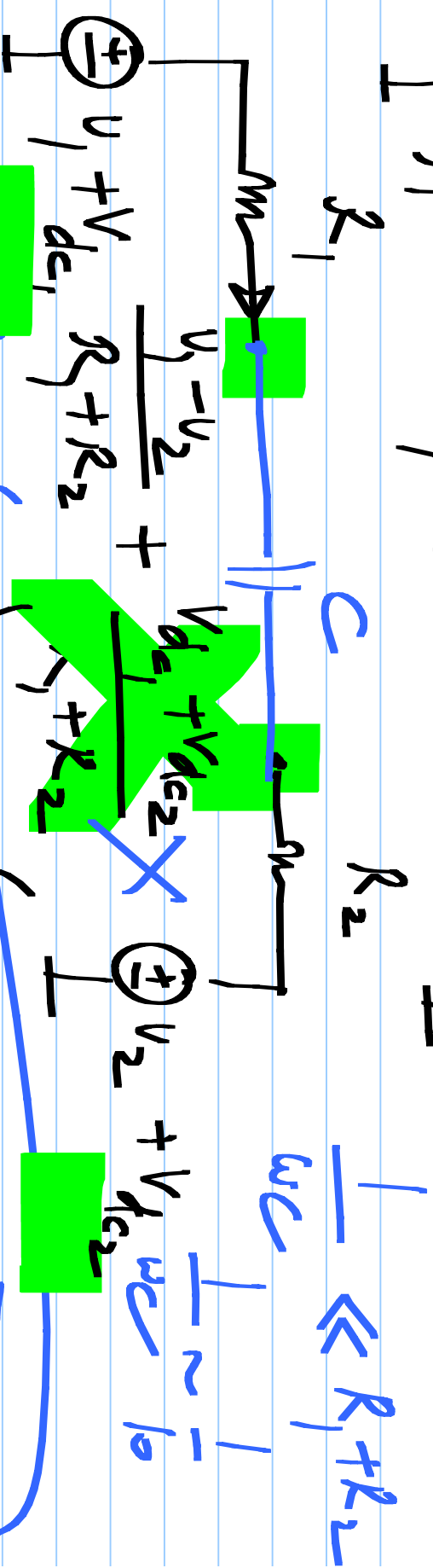
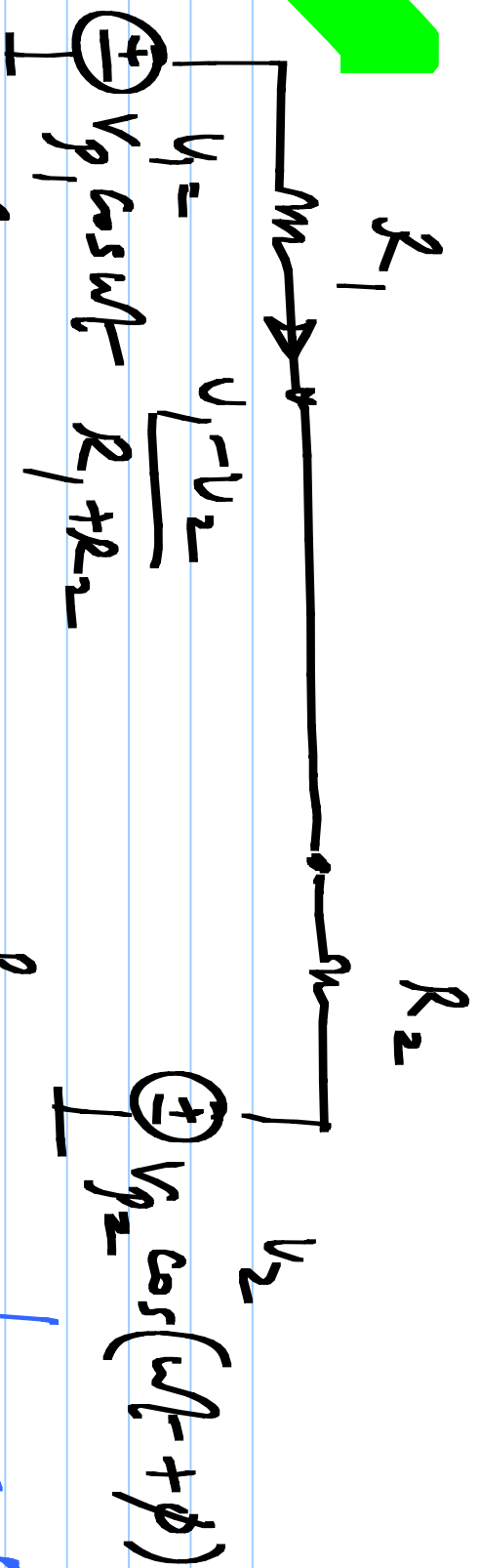


EE 2019

ac coupling network

6/2/2018

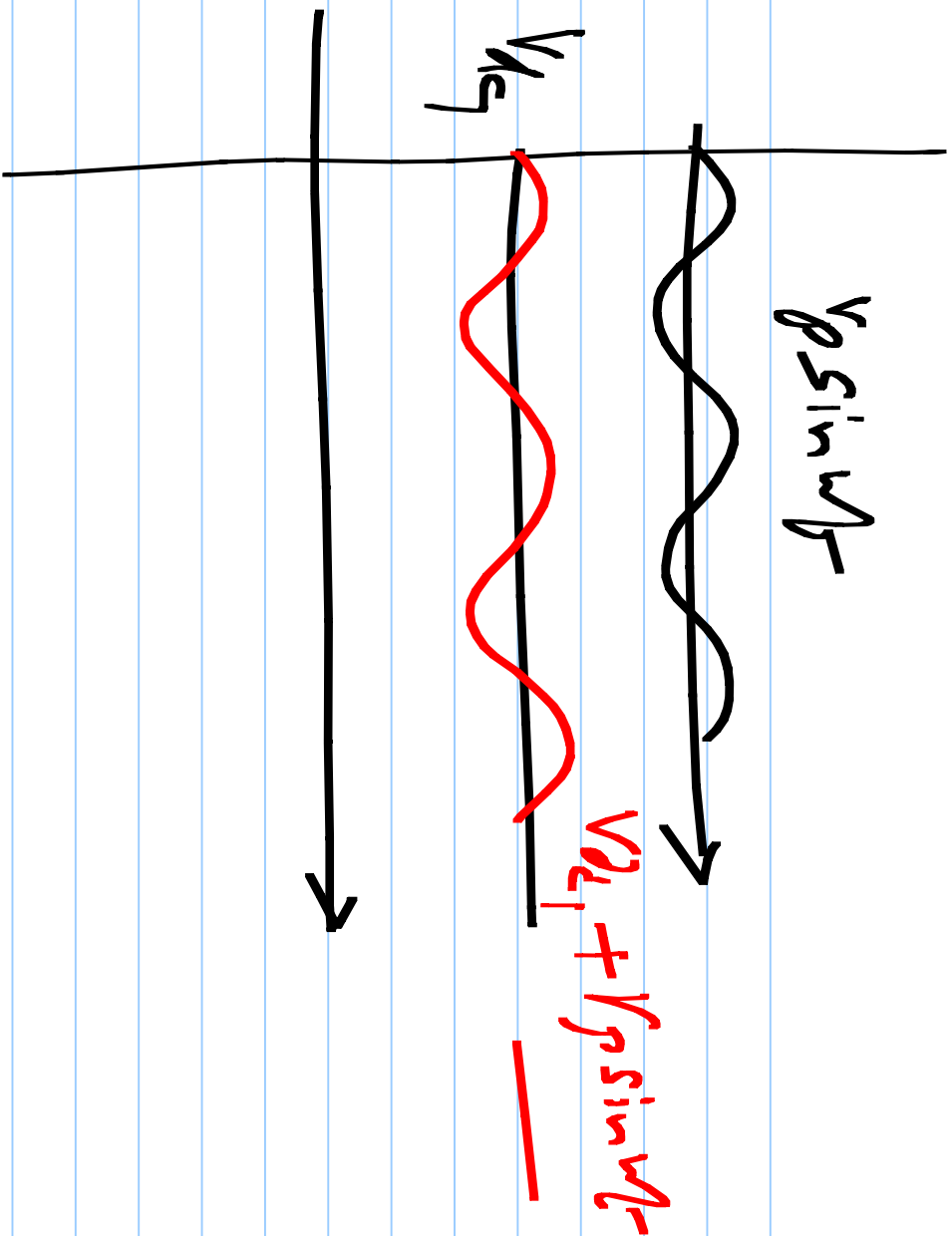


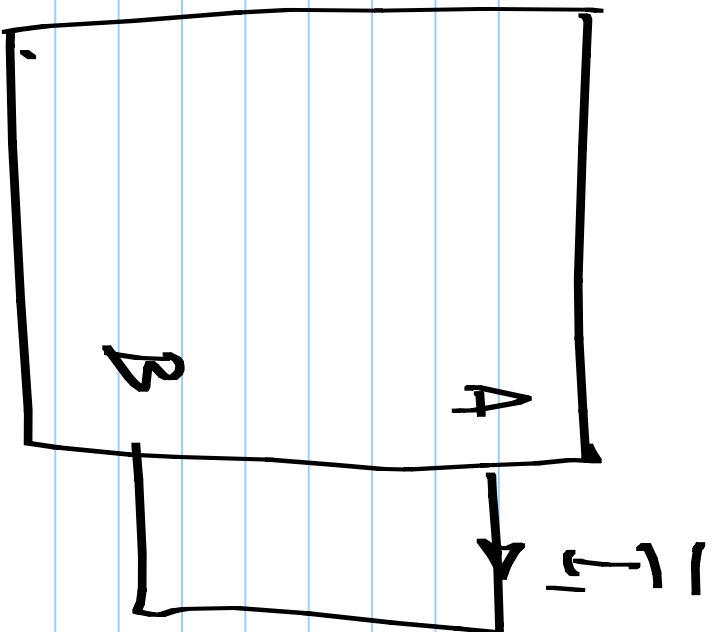


ac coupling

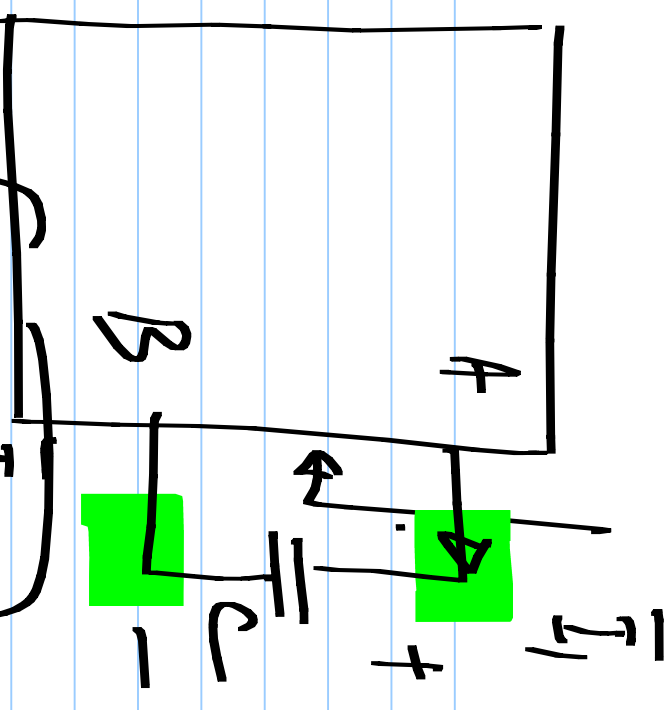
dc blocking

$$R_1 + R_2 + \dots =$$



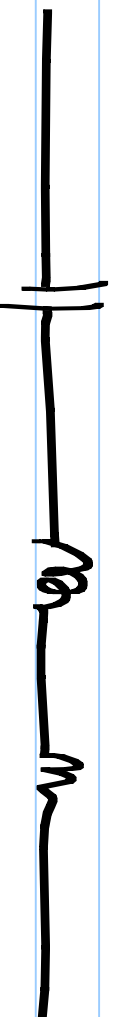
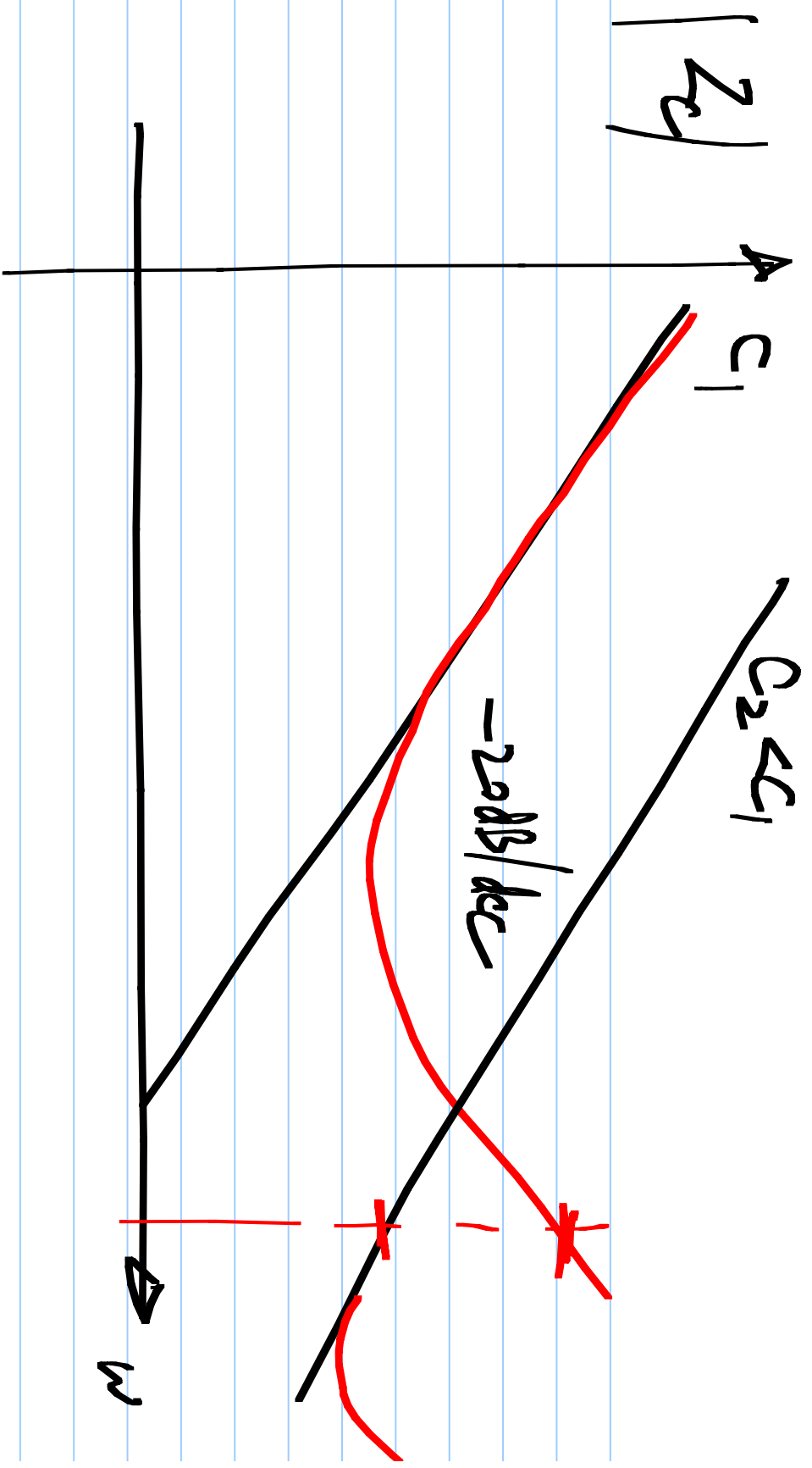


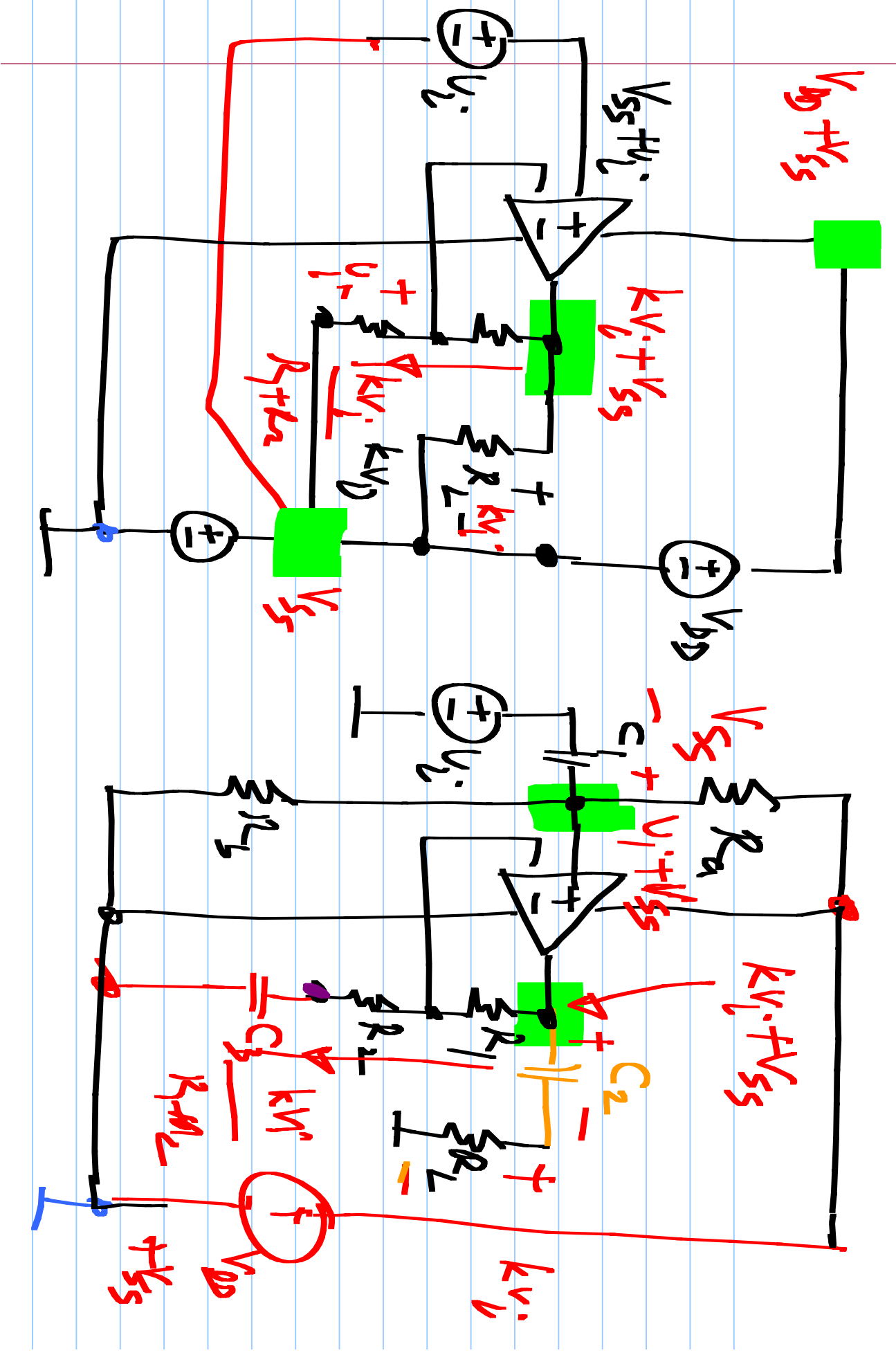
$\approx$

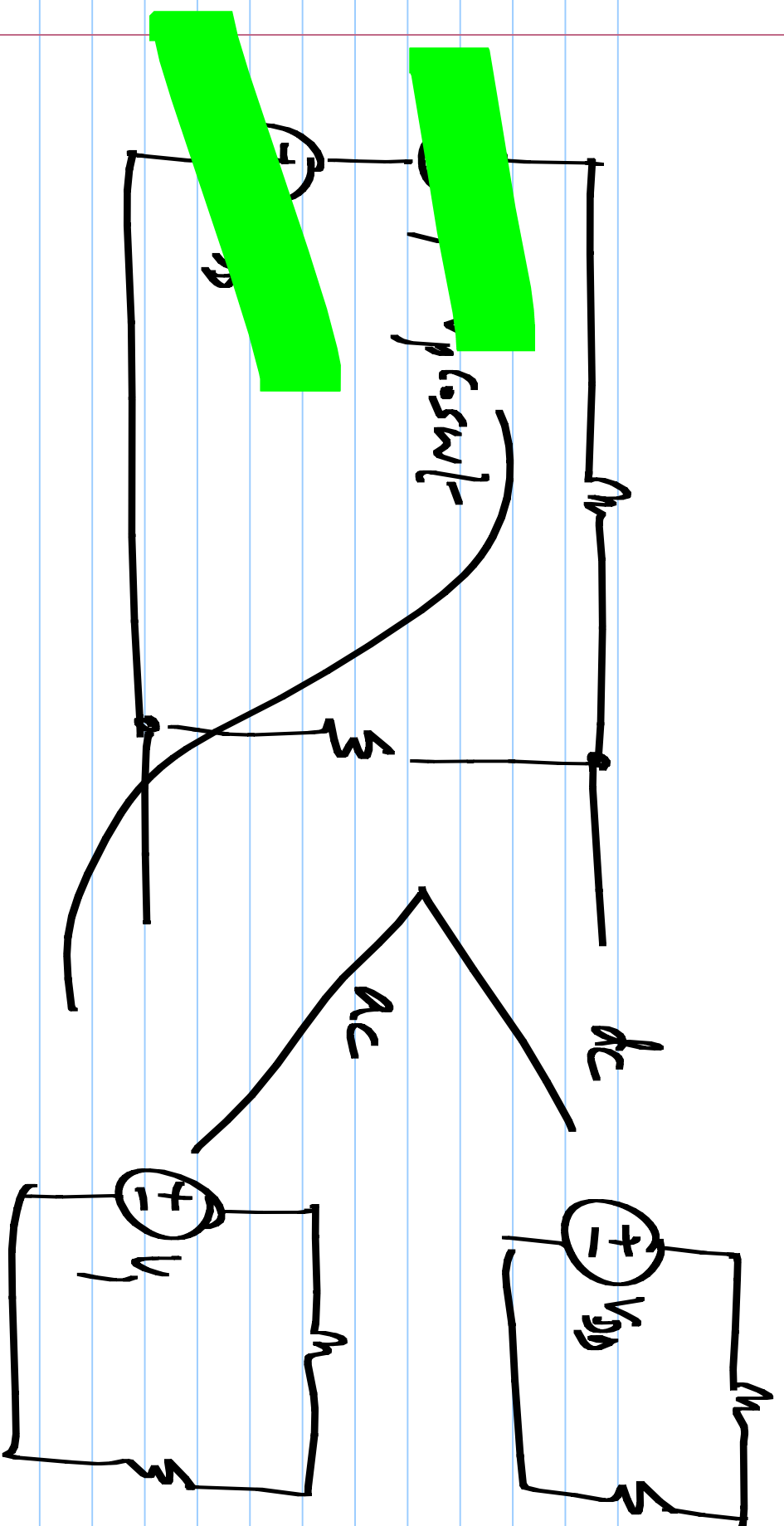


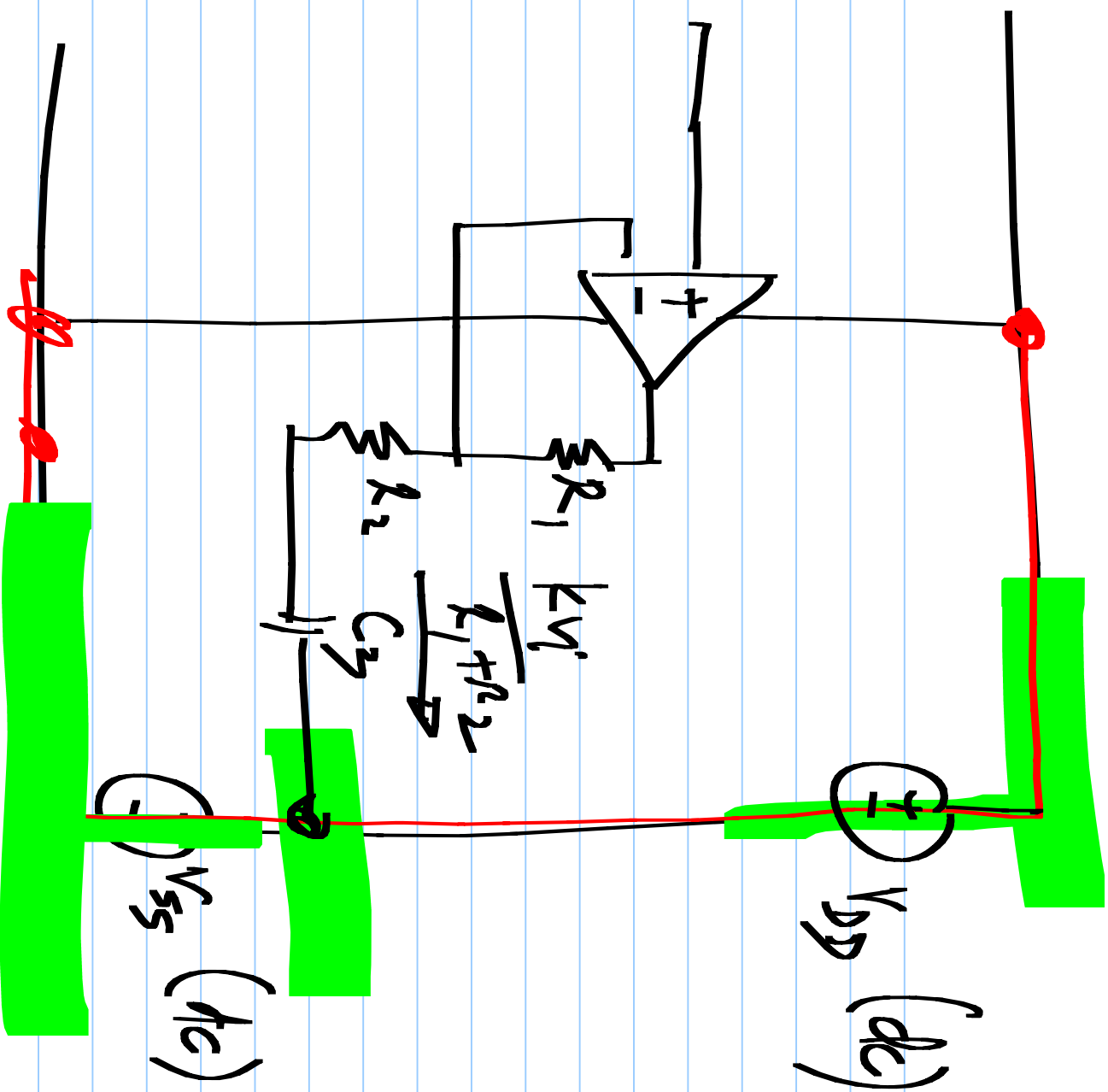
$$v_c = \frac{I_1}{g_m}$$

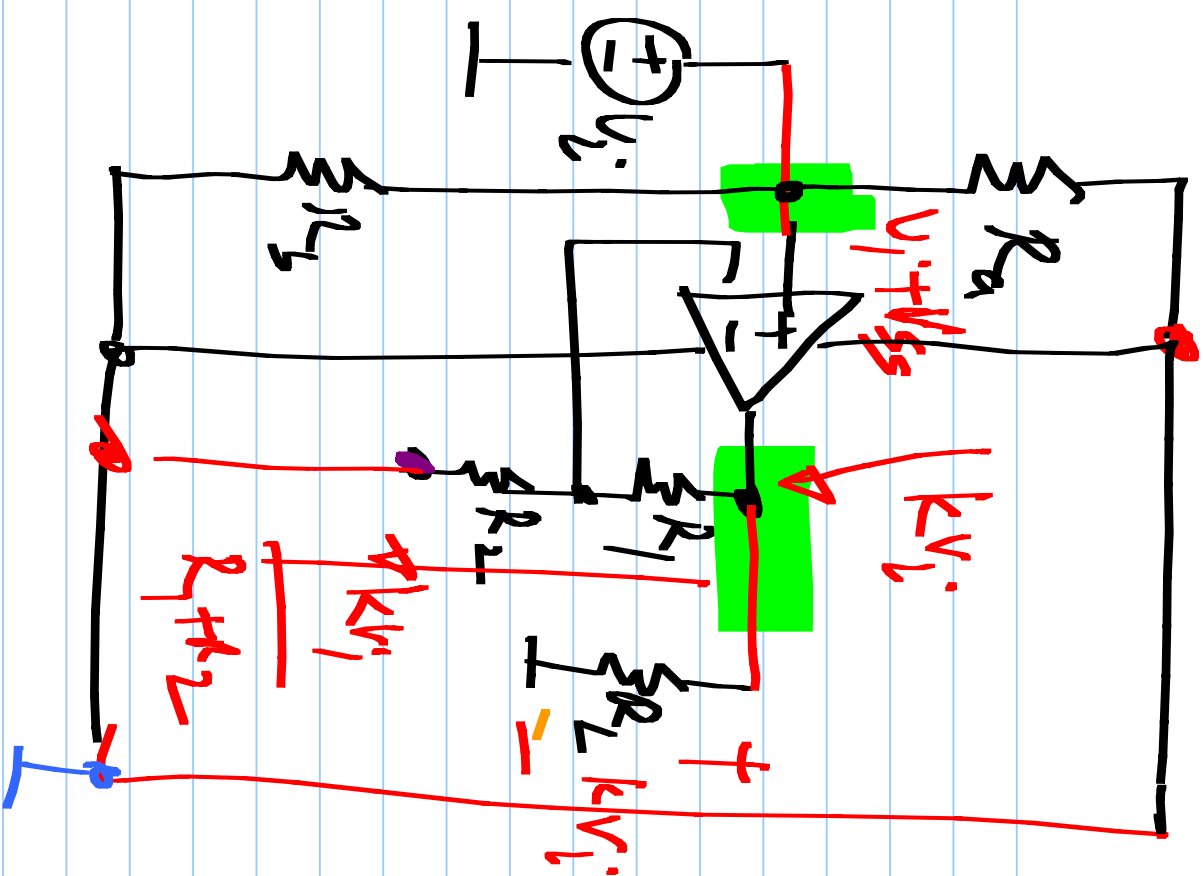
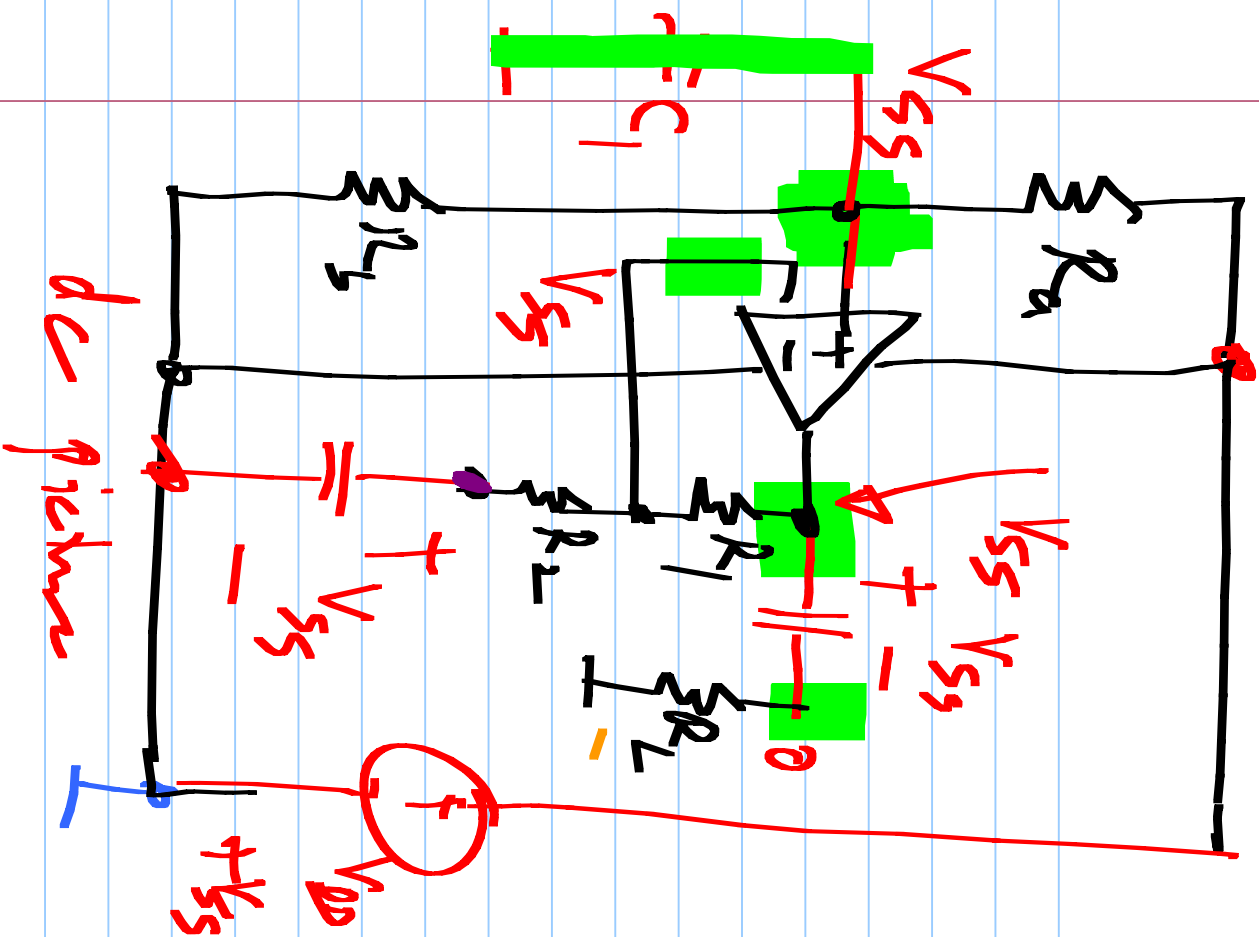
$$I_1 \ll I_{AB}$$







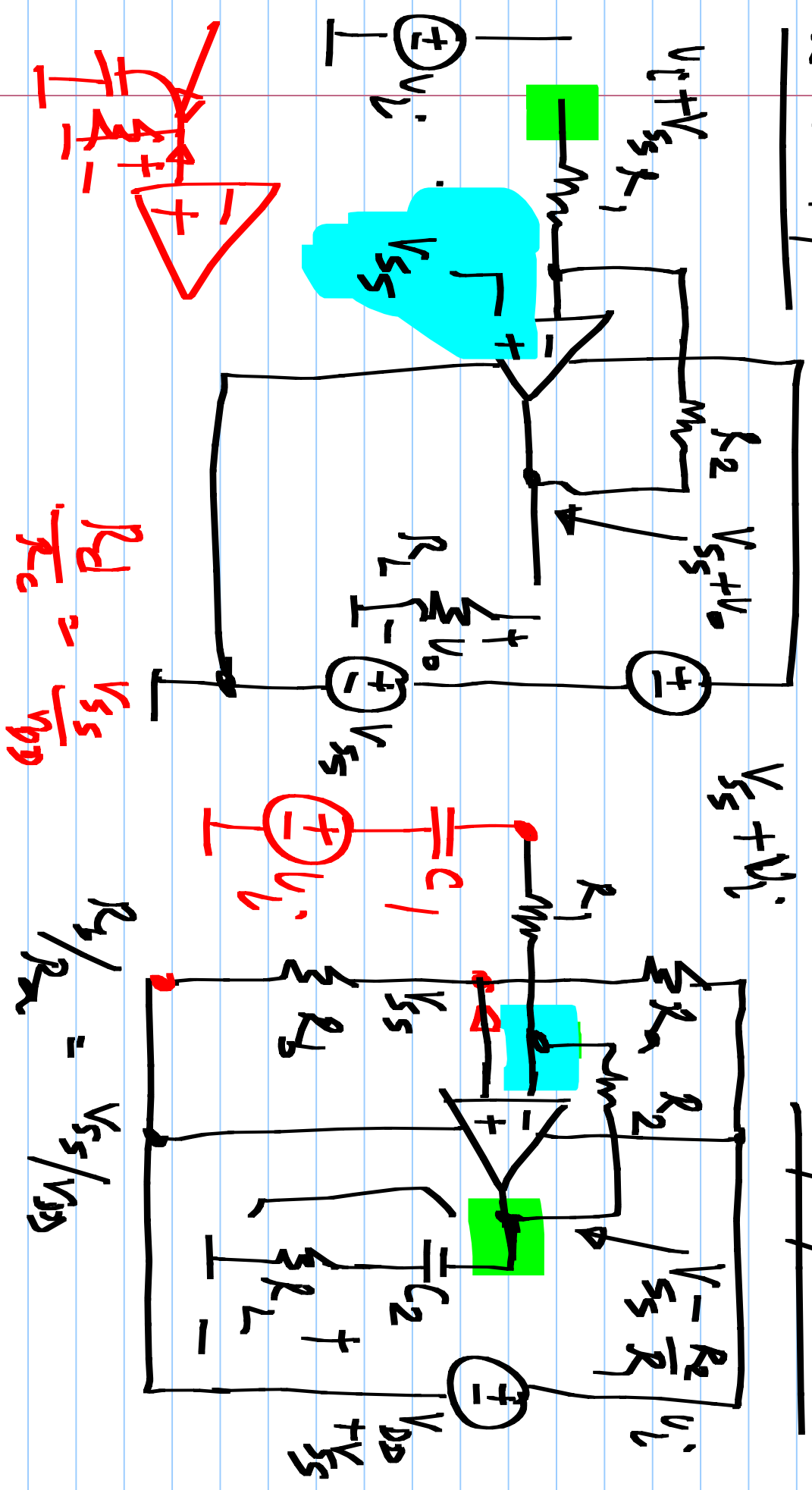




EE2019

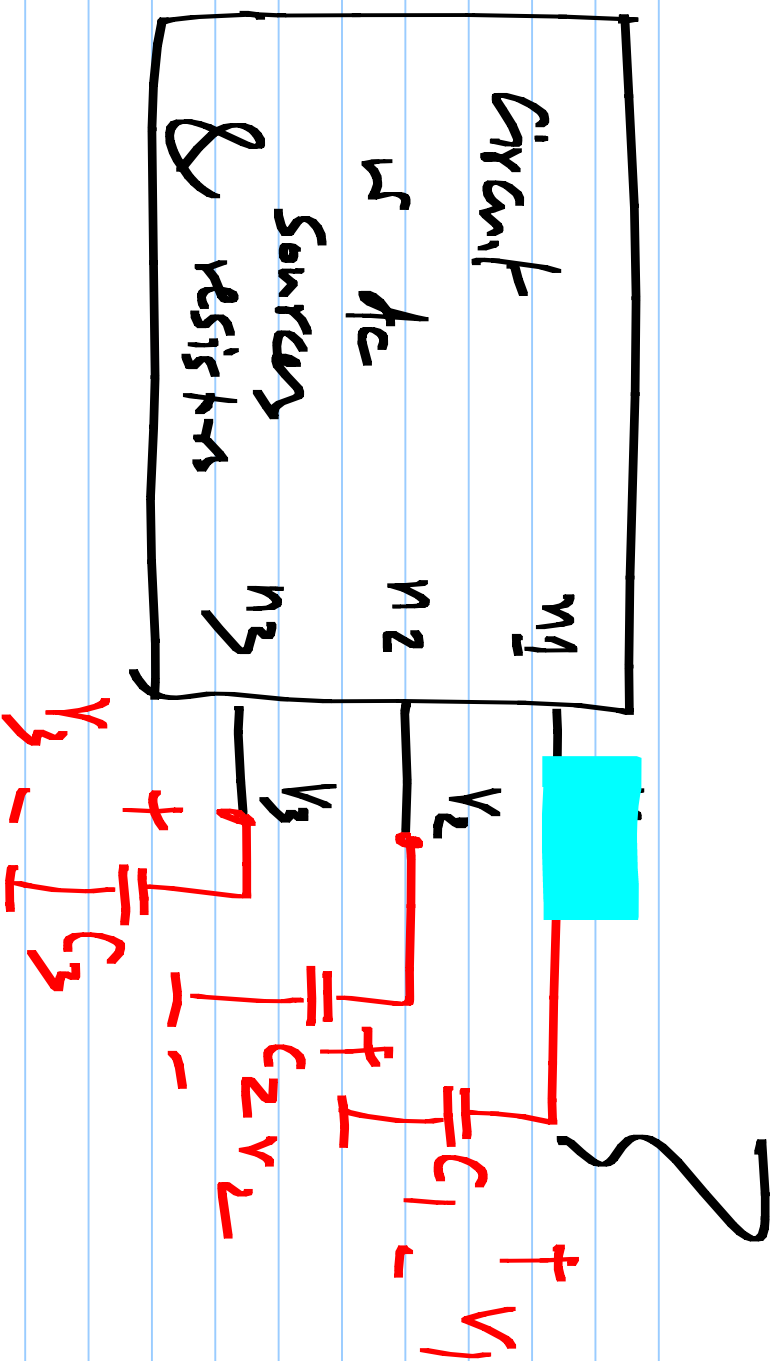
$$v_o = -\frac{R_2}{R_1} \cdot v_i$$

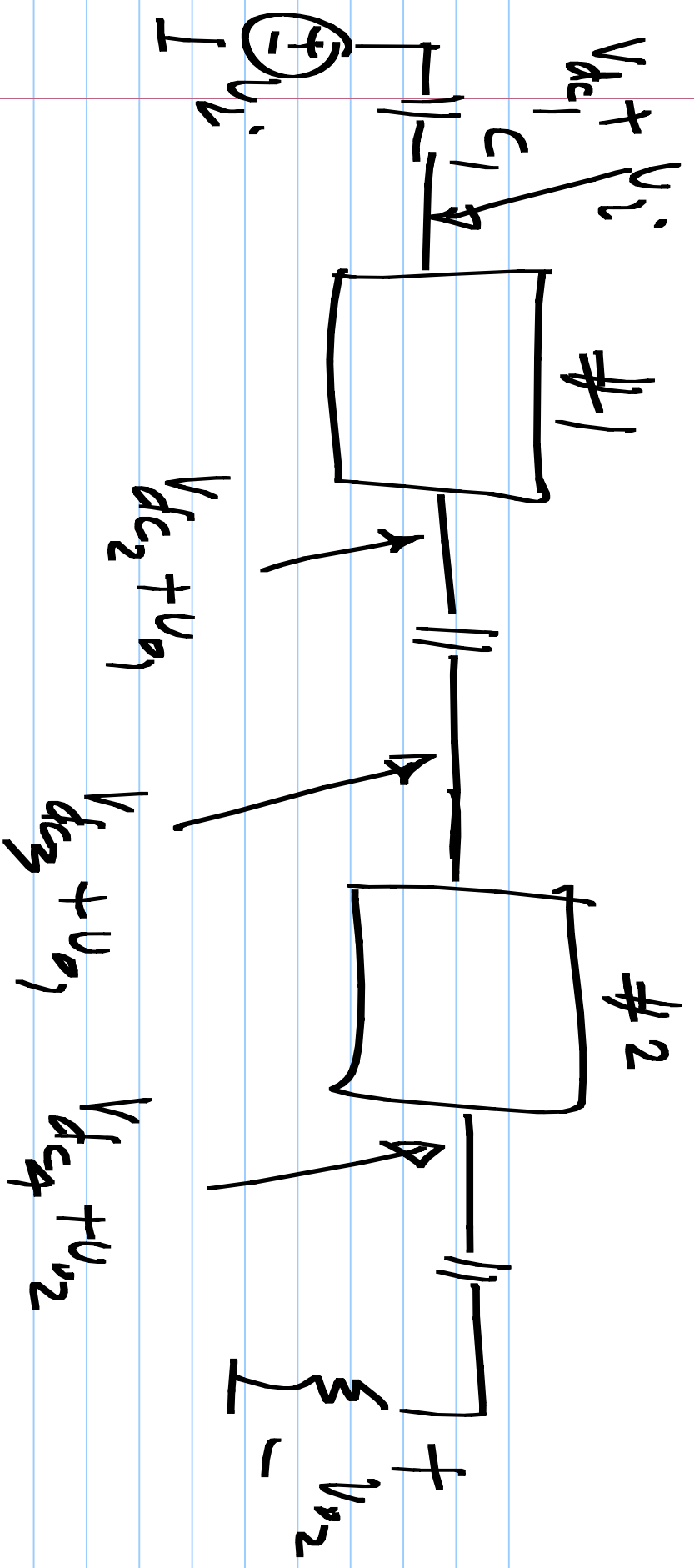
7/2/2018

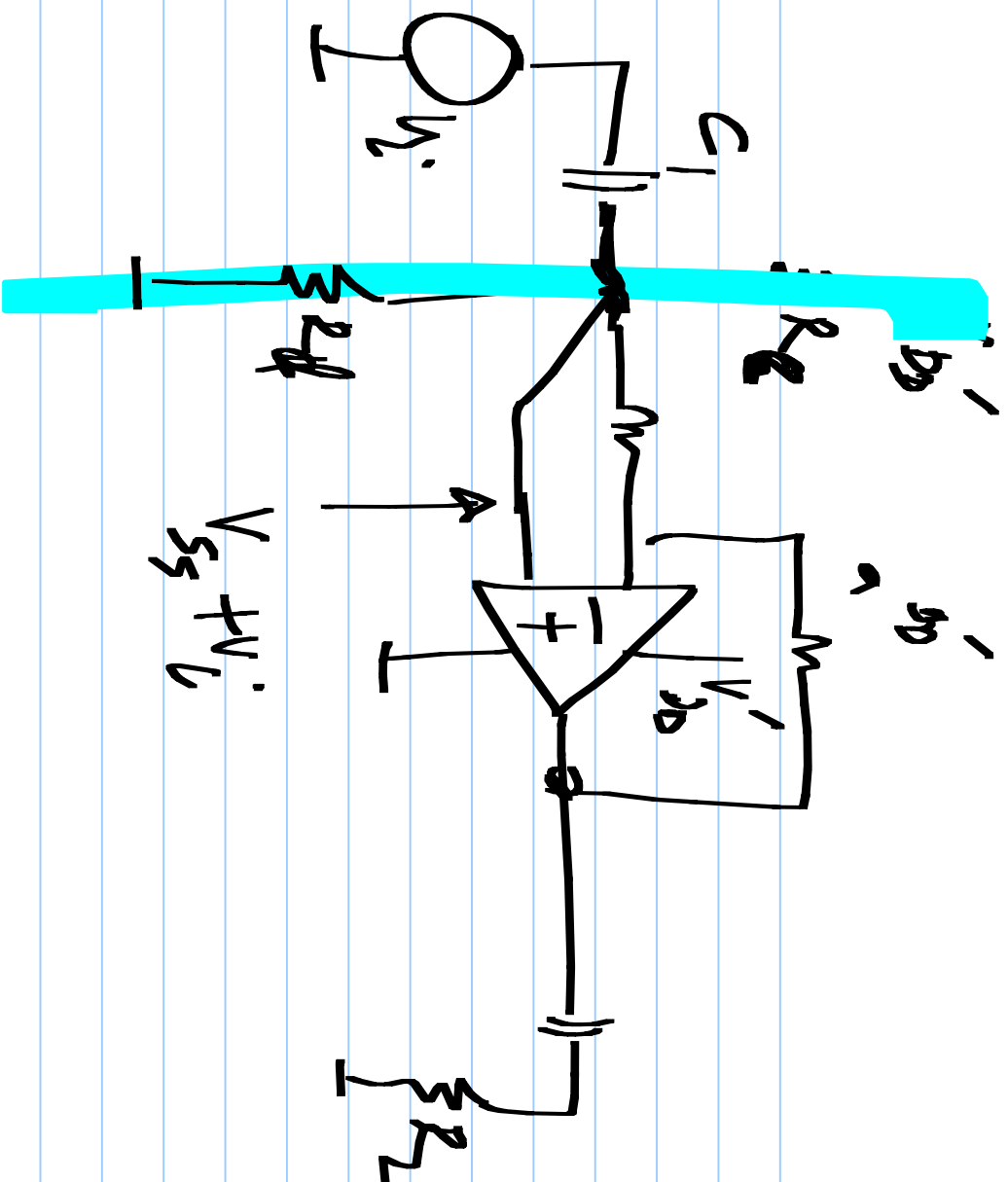


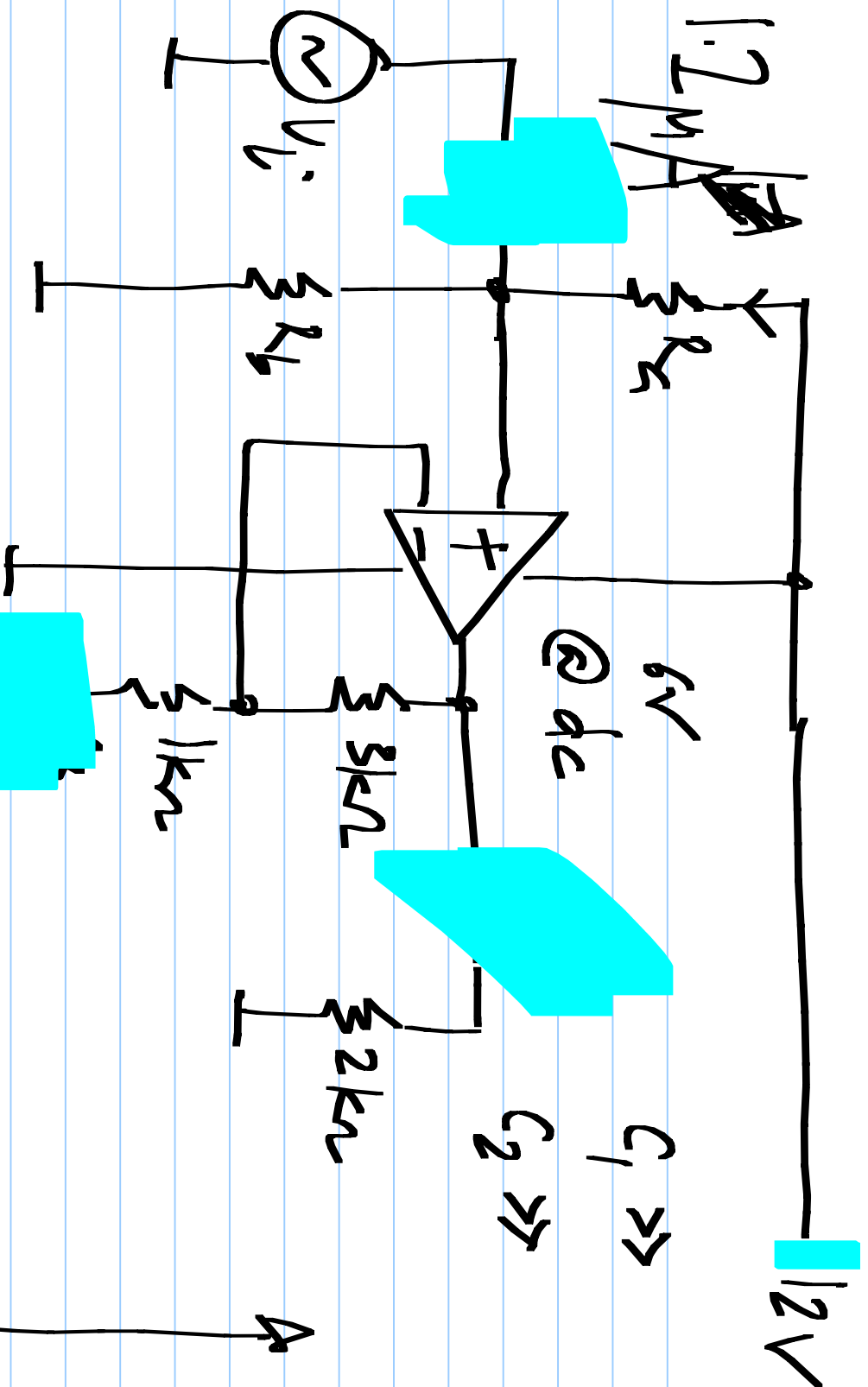
$$\frac{R_d}{R_c} = \frac{v_{ss}}{v_o}$$

$$R_2/R_1 = v_{ss}/v_o$$









freq: 100 kHz/s

