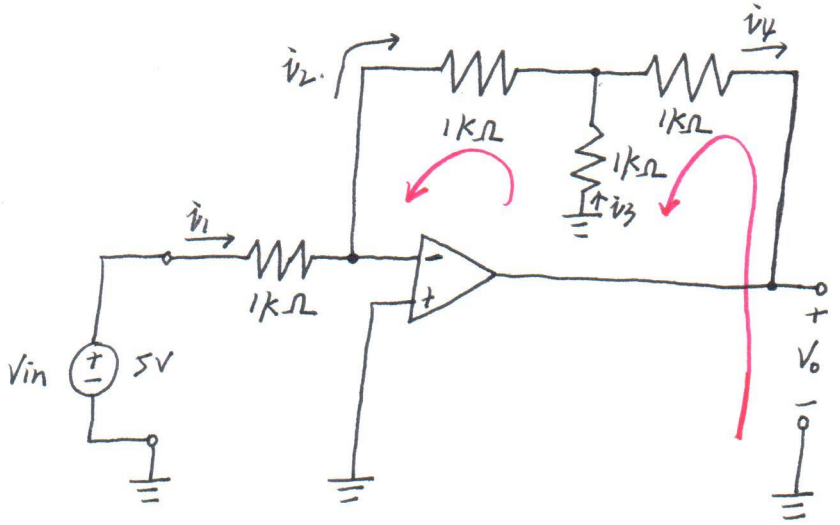
4.2
(2)



First, we verify that negative feedback is present.

According to the summing-Point constraint:

$$i_1 = \frac{V_{in}}{1K\Omega} = \frac{5V}{1K\Omega} = 5mA$$

$$i_2 = i_1 = 5mA$$

KVL:

$$i_2 \times 1K\Omega = i_3 \times 1K\Omega$$

$$\therefore\ i_3 = i_2 = 5mA$$

KCL:

$$i_4 = i_2 + i_3 = (5+5)\,mA = 10mA$$

KVL:

$$V_o = -i_4 \times 1K\Omega - i_3 \times 1K\Omega = -15V$$