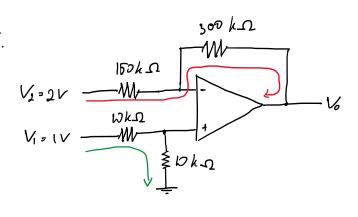
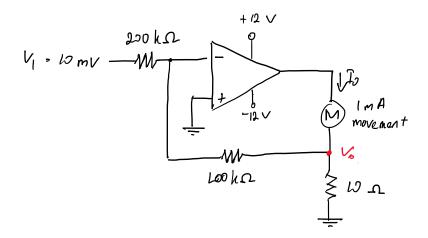
1.



$$V_{4} = \frac{b h \Omega}{\omega h \Omega + \omega h \Omega}. V_{1} = \frac{1}{2}. IV = 0,5 V$$

$$\frac{V_2 - V_-}{150 k\Omega} = \frac{V_- - V_0}{200 k\Omega}$$

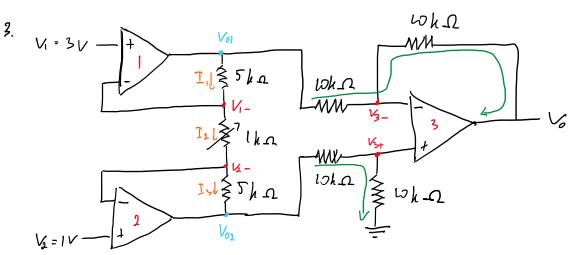
$$\frac{2-0.5}{1}=\frac{0.5-\sqrt{6}}{2}$$



$$\frac{V_1 - V_2}{R_1} = \frac{V_2 - V_0}{R_5}$$

$$\overline{I}_{o} = \frac{V_{o}}{R_{c}}$$





$$T_1 = T_2 = T_3$$

$$\frac{V_{01} - V_{1-}}{R} = \frac{V_{1-} - V_{2-}}{R_{P}} = \frac{V_{2-} - V_{02}}{R}$$

$$\frac{V_{01}-3}{510} = \frac{3-1}{110} - \frac{1-V_{02}}{510}$$

$$\frac{V_{01}-3}{5}=2=\frac{1-V_{02}}{5}$$