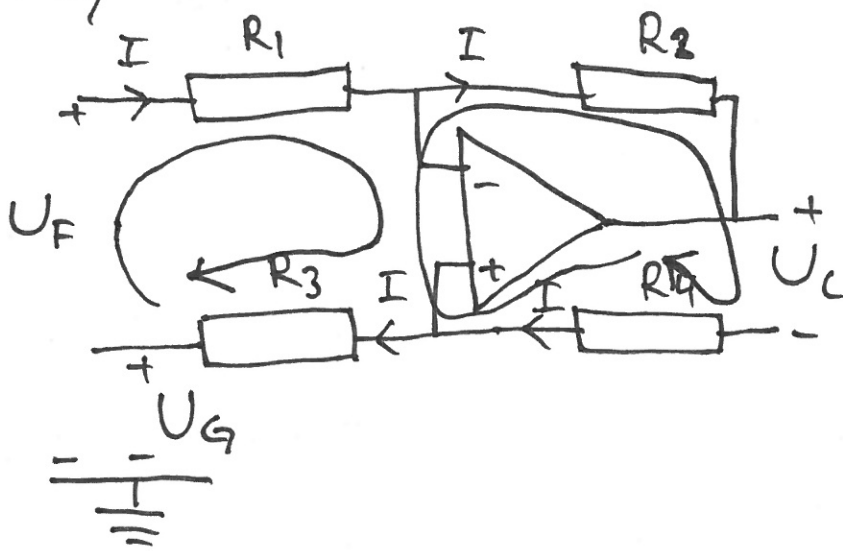


F 1.2)



$$R_1 = 2.0 \text{ k}\Omega$$

$$R_2 = 50 \text{ k}\Omega$$

$$R_3 = 2.0 \text{ k}\Omega$$

$$R_4 = 50 \text{ k}\Omega$$

$$U_F = -37 \text{ mV}$$

$$U_G = +83 \text{ mV}$$

$$U_F - U_G - R_1 \cdot I - R_3 \cdot I = 0 \quad (1)$$

$$-R_4 \cdot I - R_2 \cdot I - U_C = 0 \quad (2)$$

$$(1) \Rightarrow I = \frac{U_G - U_F}{-R_1 - R_3} = \frac{83 + 37}{-4 \text{ k}} = -30 \text{ mA}$$

$$(2) \Rightarrow U_C = (-R_2 - R_4) \cdot I = -100 \text{ k} \cdot -30 \text{ mA} = 3 \text{ V}$$

$$\boxed{U_C = 3 \text{ V}}$$