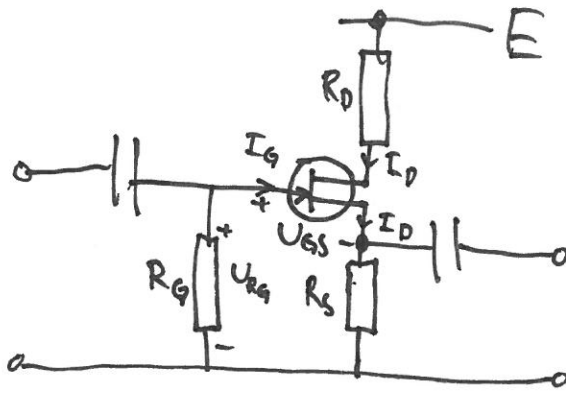


4.10)



$$I_D = 2 \text{ mA}$$

$$R_S = 1 \text{ k}\Omega$$

$$I_G \approx 0 \Rightarrow U_{R_G} = 0, I_S = I_D$$

$$\text{KVL: } U_{R_G} - U_{G_S} - I_D \cdot R_S = 0$$



$$U_{G_S} = -I_D \cdot R_S = -2 \text{ mA} \cdot 1 \text{ k} = -2 \text{ V}$$

$$U_{G_S} = -2 \text{ V}$$