$$V_{SS} = 15 \text{ V}$$

$$k_p = 50 \,^{\mu\text{A}}/\text{V}^2$$

$$V_t = -2 \,^{2}\text{V}$$

$$\frac{R_G}{470 \,^{2}\text{k}\Omega} \stackrel{R_D}{\underset{=}{\overset{\sim}{=}}} 220 \,^{2}\text{k}\Omega$$