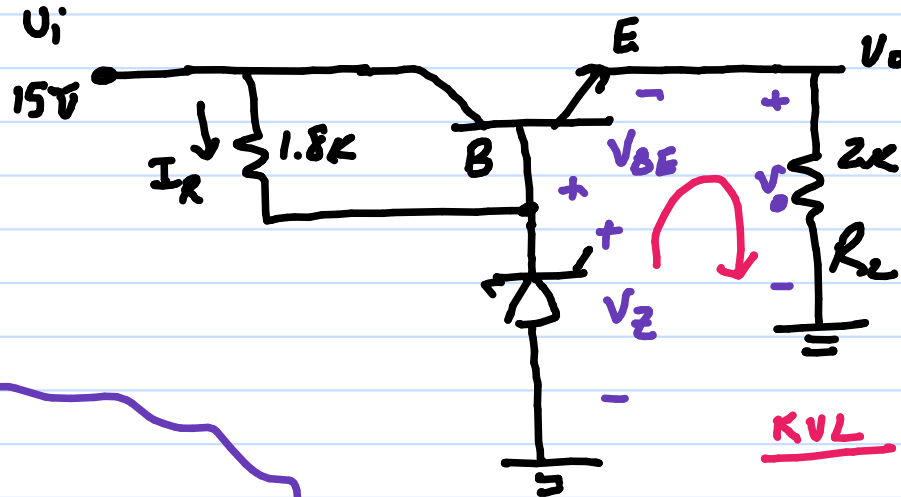




Note

$$V_{BE} = 0.7V$$

$$V_{EB} = -0.7V$$

KVL

$$V_{CE} = V_o + V_{BE}$$

$$\therefore V_o = V_{CE} - V_{BE}$$

$$= 8.3 - 0.7 = 7.6V$$

$$\begin{aligned} V_o &= V_{CE} + V_{EB} \\ &= 8.3 + (-0.7) \\ &= 7.6V \end{aligned}$$

OR