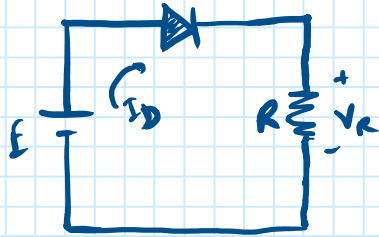


Series Diode Configuration

14 September 2023 08:24

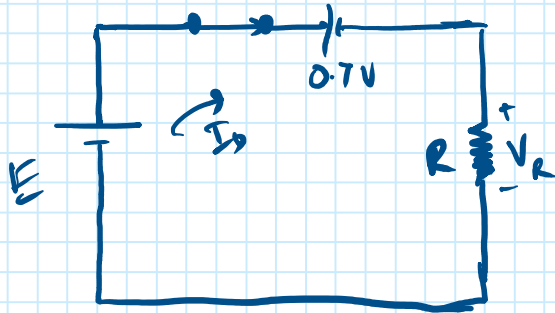
SERIES DIODE CONFIGURATION WITH A RESISTOR

Forward bias



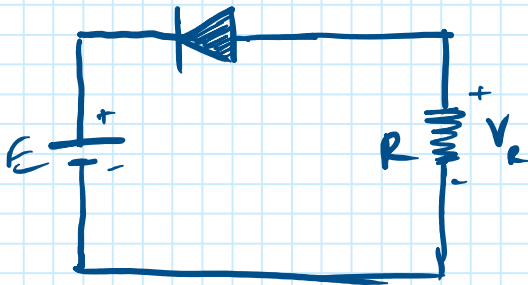
$$V_R = E - 0.7 \text{ (for Si diode)}$$

$$V_R = E - V_{knee}$$



$$I_D = \frac{V_R}{R}$$

Reverse bias



$$I_D = 0$$

