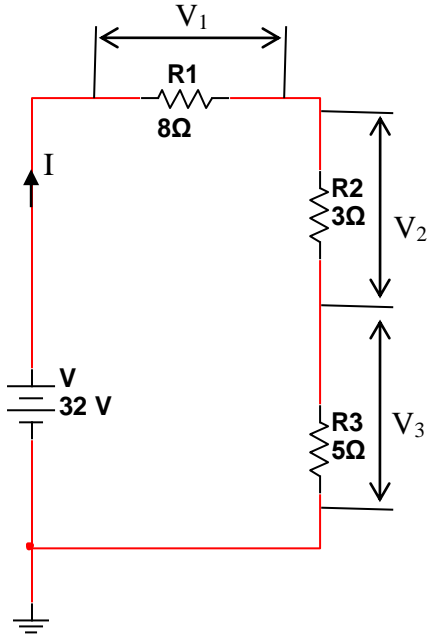


1) “Gerilim Bölme” ile dirençlerdeki voltaj değerlerini hesaplayınız



$$R_{\text{esd}} = R_1 + R_2 + R_3 = 8 + 3 + 5 = 16\Omega$$

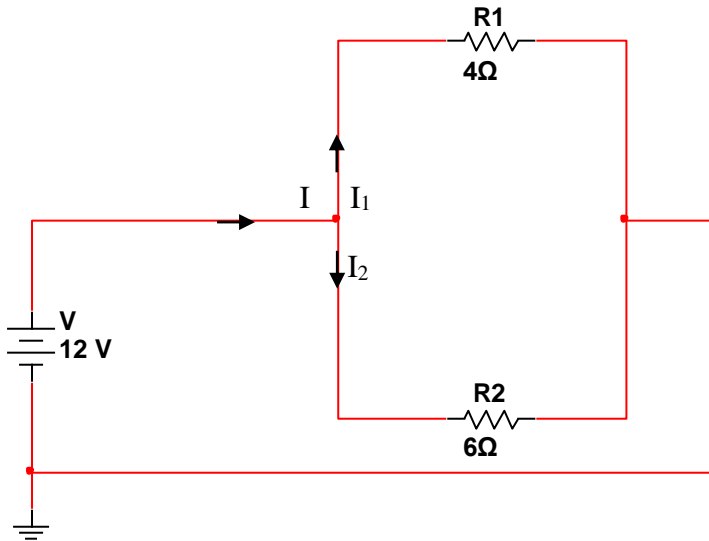
$$I = V / R_{\text{esd}} = 32 / 16 = 2\text{A}$$

$$V_1 = V \frac{R_1}{R_{\text{esd}}} = 32 \cdot \frac{8}{16} = 16\text{V}$$

$$V_2 = V \frac{R_2}{R_{\text{esd}}} = 32 \cdot \frac{3}{16} = 6\text{V}$$

$$V_3 = V \frac{R_3}{R_{\text{esd}}} = 32 \cdot \frac{5}{16} = 10\text{V}$$

2) “Akım Bölme” ile kollardaki akım değerlerini hesaplayınız



$$R_{\text{esd}} = \frac{R_1 \cdot R_2}{R_1 + R_2} = \frac{4 \cdot 6}{4 + 6} = \frac{24}{10} \Omega$$

$$I = V / R_{\text{esd}} = 12 / 2.4 = 5\text{A}$$

$$I_1 = \frac{R_2}{R_1 + R_2} I = \frac{6}{4 + 6} 5 = 3\text{A}$$

$$I_2 = \frac{R_1}{R_1 + R_2} I = \frac{4}{4 + 6} 5 = 2\text{A}$$