

$$\begin{array}{lll}
 E_{G1} := 240 & E_{G2} := 252 & E_B := 229 \\
 R_{G1} := 1 & R_{G2} := 0.2 & R_B := 0.25 \quad R_2 := 4.8
 \end{array}$$

EG2 og EB kortsluttes:

$$I_{1G1} := \frac{E_{G1}}{\left[ R_{G1} + \frac{R_B \cdot (R_2 + R_{G2})}{(R_B + R_2 + R_{G2})} \right]}$$

$$I_{1G1} = 193.846$$

$$I_{BG1} := I_{1G1} \cdot \frac{R_{G2} + R_2}{R_2 + R_{G2} + R_B}$$

$$I_{BG1} = 184.615$$

$$I_{2G1} := I_{1G1} \cdot \frac{R_B}{R_2 + R_{G2} + R_B}$$

$$I_{2G1} = 9.231$$

EG1 og EG2 kortsluttes:

$$I_{BB} := \frac{E_B}{R_B + \frac{R_{G1} \cdot (R_2 + R_{G2})}{R_{G1} + R_2 + R_{G2}}}$$

$$I_{BB} = 211.385$$

$$I_{1B} := I_{BB} \cdot \frac{(R_{G2} + R_2)}{R_{G2} + R_2 + R_{G1}}$$

$$I_{1B} = 176.154$$

$$I_{2B} := I_{BB} \cdot \frac{R_{G1}}{R_{G2} + R_2 + R_{G1}}$$

$$I_{2B} = 35.231$$

EG1 og EB kortsluttes:

$$I_{2G2} := \frac{E_{G2}}{(R_{G2} + R_2) + \frac{R_{G1} \cdot R_B}{R_{G1} + R_B}}$$

$$I_{2G2} = 48.462$$

$$I_{BG2} := I_{2G2} \cdot \frac{R_{G1}}{R_{G1} + R_B}$$

$$I_{BG2} = 38.769$$

$$I_{1G2} := I_{2G2} \cdot \frac{R_B}{R_{G1} + R_B}$$

$$I_{1G2} = 9.692$$

$$I_1 := I_{1G1} - I_{1B} - I_{1G2}$$

$$I_1 = 8$$

$$I_B := I_{BB} - I_{BG1} - I_{BG2}$$

$$I_B = -12$$

$$I_2 := I_{2G2} - I_{2G1} - I_{2B}$$

$$I_2 = 4$$