

$$Z_1 := 30$$

$$Z_2 := 40$$

$$Z_3 := 90$$

$$\text{modul} := 3$$

$$a := \frac{\text{modul} \cdot (Z_1 + Z_2)}{2}$$

$$b := \text{modul} \cdot \left(\frac{Z_2}{2} + 3 \right)$$

$$c := \frac{\text{modul} \cdot (Z_2 + Z_3)}{2}$$

$$\theta_1 := \text{asin} \left(\frac{b}{a} \right) \cdot \frac{180}{\pi}$$

$$\theta_2 := \text{asin} \left(\frac{b}{c} \right) \cdot \frac{180}{\pi}$$

$$\text{Int} := \frac{Z_1 \cdot \theta_1}{180} + \frac{Z_2 \cdot (180 + \theta_1 + \theta_2)}{180} + \frac{Z_3 \cdot \theta_2}{180}$$

$$\left(\begin{array}{l} \text{Int} \\ b \end{array} \right) := \left| \begin{array}{l} \text{while } \text{round}(\text{Int} + 0.5) - \text{Int} > 0.000001 \\ \quad b \leftarrow b + 0.00001 \\ \quad \theta_1 \leftarrow \text{asin} \left(\frac{b}{a} \right) \cdot \frac{180}{\pi} \\ \quad \theta_2 \leftarrow \text{asin} \left(\frac{b}{c} \right) \cdot \frac{180}{\pi} \\ \quad \text{Int} \leftarrow \frac{Z_1 \cdot \theta_1}{180} + \frac{Z_2 \cdot (180 + \theta_1 + \theta_2)}{180} + \frac{Z_3 \cdot \theta_2}{180} \end{array} \right. \left(\begin{array}{l} \text{Int} \\ b \end{array} \right)$$

$$\text{Int} = 74.0000$$

$$b = 74.879980$$