

$$Z_1 := 18$$

$$Z_2 := 18$$

$$Z_3 := 30$$

$$\text{modul} := 2.5$$

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

$$b := \text{modul} \cdot \left( \frac{Z_2}{2} + 2.0 \right)$$

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

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

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

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

$$\text{Int} := \text{ceil}(\text{Kette})$$

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

$$b = 27.813988$$

$$\text{Kette} = 33.000000$$

$$d := (a^2 - b^2)^{0.5} + (c^2 - b^2)^{0.5} = 88.539$$