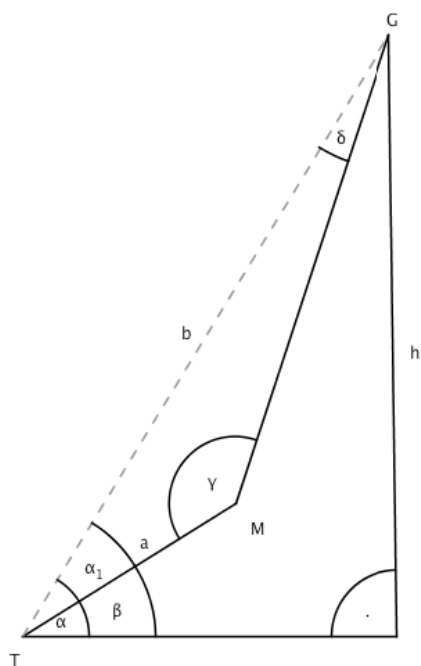


LÖSUNG ZU 800:



$$a = 994 \text{ m} \quad \alpha = 60^\circ \quad \beta = 30^\circ \quad \gamma = 135^\circ$$

$$\alpha_1 = \alpha - \beta \quad \rightarrow \quad \alpha_1 = 30^\circ$$

$$\delta = 180^\circ - (\alpha_1 + \gamma) \quad \rightarrow \quad \delta = 15^\circ$$

$$\frac{b}{\sin(\gamma)} = \frac{a}{\sin(\delta)} \quad \rightarrow \quad b = \frac{a}{\sin(\delta)} \cdot \sin(\gamma) = \frac{994}{\sin(15^\circ)} \cdot \sin(135^\circ) \approx 2\,715,66 \text{ m}$$

$$\sin(\alpha) = \frac{h}{b} \quad \rightarrow \quad h = b \cdot \sin(\alpha) = 2\,715,66 \cdot \sin(60^\circ) \approx 2\,351,83 \text{ m}$$

