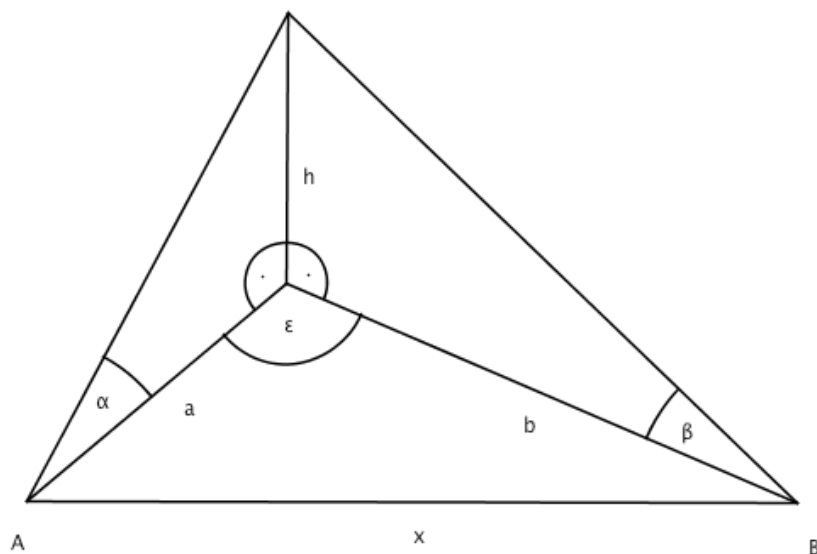


LÖSUNG ZU 802:



$$\tan(\alpha) = \frac{h}{a} \quad \rightarrow \quad a = \frac{h}{\tan(\alpha)} = \frac{22}{\tan(8^\circ)} \approx 156,54 \text{ m}$$

$$\tan(\beta) = \frac{h}{b} \quad \rightarrow \quad b = \frac{h}{\tan(\beta)} = \frac{22}{\tan(1,5^\circ)} \approx 840,15 \text{ m}$$

$$x = \sqrt{a^2 + b^2 - 2ab \cdot \cos(\varepsilon)} \quad \rightarrow \quad x = \sqrt{156,54^2 + 840,15^2 - 2 \cdot 156,54 \cdot 840,15 \cdot \cos(114^\circ)} \approx 915,06 \text{ m}$$

