



$$\alpha = \beta, \text{ due } \tan(\alpha) = \tan(\beta)$$

Due ~~CE~~ ~~NE~~ ~~ED~~

$$\frac{CN}{CE} = \frac{BD}{ED} \quad \Leftrightarrow \quad \frac{CN}{CE} = \frac{BD}{CD - EC}$$

$$\Leftrightarrow \frac{25}{CE} = \frac{35}{90 - EC}$$

$$\Leftrightarrow 25(90 - CE) = 35 CE$$

$$\Leftrightarrow 25 + 90 = 60 CE$$

$$\Leftrightarrow CE = \frac{25 + 90}{60} = 37,5 \text{ cm}$$