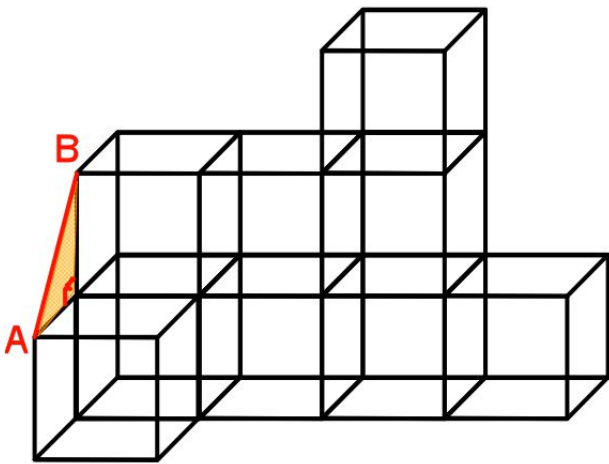
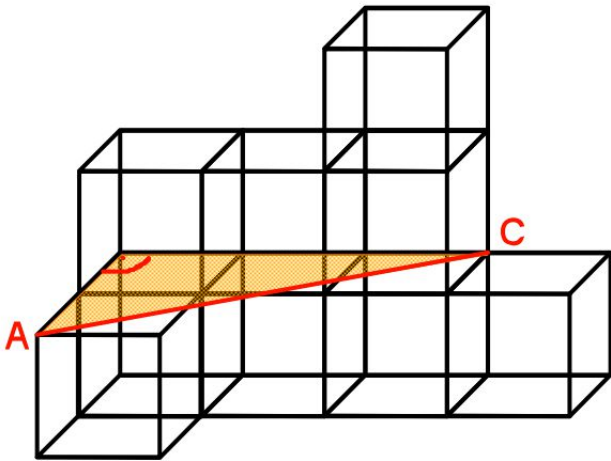


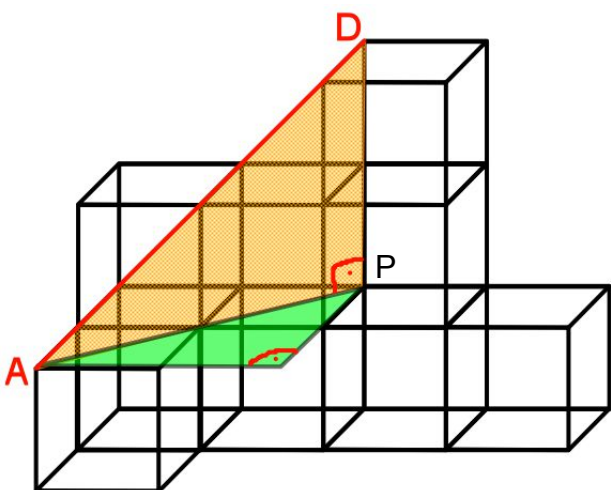
# Lösung



$$\begin{aligned} \overline{AB}^2 &= 1^2 + 1^2 \quad | \quad \sqrt{\phantom{x}} \\ \overline{AB} &= \sqrt{1^2 + 1^2} \\ &= \sqrt{1 + 1} \\ &= \underline{\underline{\sqrt{2}}} \end{aligned}$$

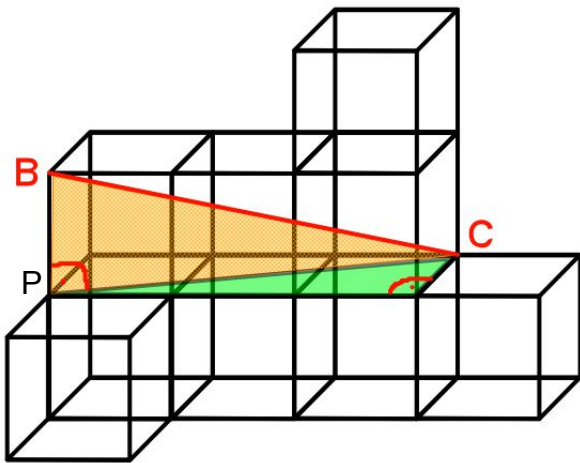


$$\begin{aligned} \overline{AC}^2 &= 2^2 + 3^2 \quad | \quad \sqrt{\phantom{x}} \\ \overline{AC} &= \sqrt{2^2 + 3^2} \\ &= \sqrt{4 + 9} \\ &= \underline{\underline{\sqrt{13}}} \end{aligned}$$



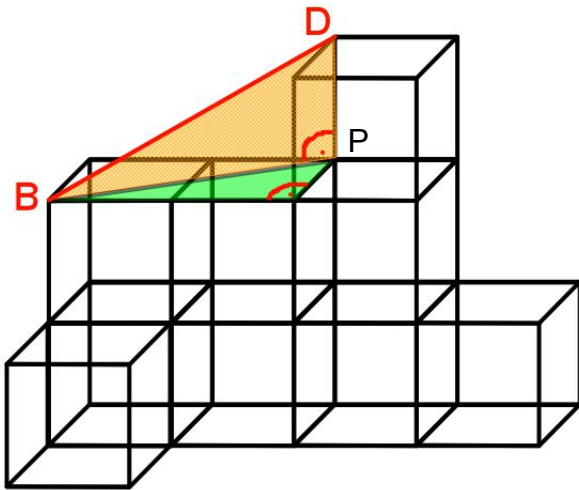
$$\begin{aligned} \overline{AP}^2 &= 2^2 + 2^2 \quad | \quad \sqrt{\phantom{x}} \\ \overline{AP} &= \sqrt{2^2 + 2^2} \\ &= \sqrt{4 + 4} \\ &= \underline{\underline{\sqrt{8}}} \end{aligned}$$

$$\begin{aligned} \overline{AD}^2 &= \sqrt{8}^2 + 2^2 \quad | \quad \sqrt{\phantom{x}} \\ \overline{AD} &= \sqrt{\sqrt{8}^2 + 2^2} \\ &= \sqrt{8 + 4} \\ &= \underline{\underline{\sqrt{12}}} \end{aligned}$$



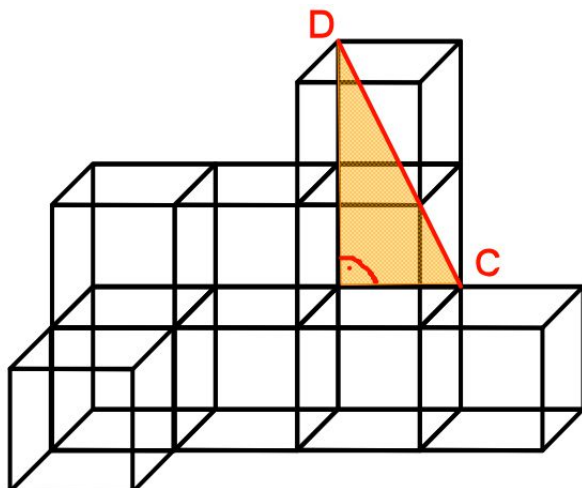
$$\begin{aligned} \overline{CP}^2 &= 1^2 + 3^2 \quad | \quad \sqrt{\quad} \\ \overline{CP} &= \sqrt{1^2 + 3^2} \\ &= \sqrt{1 + 9} \\ &= \underline{\underline{\sqrt{10}}} \end{aligned}$$

$$\begin{aligned} \overline{BC}^2 &= \sqrt{10}^2 + 1^2 \quad | \quad \sqrt{\quad} \\ \overline{BC} &= \sqrt{\sqrt{10}^2 + 1^2} \\ &= \sqrt{10 + 1} \\ &= \underline{\underline{\sqrt{11}}} \end{aligned}$$



$$\begin{aligned} \overline{BP}^2 &= 1^2 + 2^2 \quad | \quad \sqrt{\quad} \\ \overline{BP} &= \sqrt{1^2 + 2^2} \\ &= \sqrt{1 + 4} \\ &= \underline{\underline{\sqrt{5}}} \end{aligned}$$

$$\begin{aligned} \overline{BD}^2 &= \sqrt{5}^2 + 1^2 \quad | \quad \sqrt{\quad} \\ \overline{BD} &= \sqrt{\sqrt{5}^2 + 1^2} \\ &= \sqrt{5 + 1} \\ &= \underline{\underline{\sqrt{6}}} \end{aligned}$$



$$\begin{aligned} \overline{CD}^2 &= 1^2 + 2^2 \quad | \quad \sqrt{\quad} \\ \overline{CD} &= \sqrt{1^2 + 2^2} \\ &= \sqrt{1 + 4} \\ &= \underline{\underline{\sqrt{5}}} \end{aligned}$$