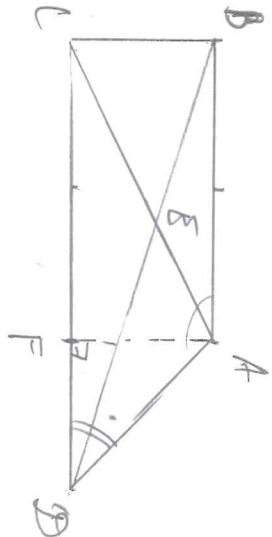


①



$$AB = 2$$

$$CD = 3$$

$$BC = 1$$

$$S_{\triangle ADE} = ?$$

$$AF = BC = 1$$

$$DF = AB - CD = 3 - 2 = 1$$

$$\Rightarrow AD = \sqrt{1^2 + 1^2} = \sqrt{2} \approx 1,41$$

$$\angle CDA = 45^\circ$$

$$\begin{aligned} \angle BAD &= 360^\circ - 2 \cdot 90^\circ - \angle CDA = \\ &= 180^\circ - 45^\circ = 135^\circ \end{aligned}$$

$$\tan \angle CDB = \frac{BC}{CD}$$

$$\begin{aligned} \angle CDB &= \arctan\left(\frac{BC}{CD}\right) = \arctan\left(\frac{1}{3}\right) = \\ &= 18,43^\circ \end{aligned}$$

$$\begin{aligned} \angle ADB &= \angle CDA - \angle CDB = 45^\circ - 18,43^\circ = \\ &= 26,57^\circ \end{aligned}$$

$$\tan \angle BAC = \frac{BC}{AB}$$