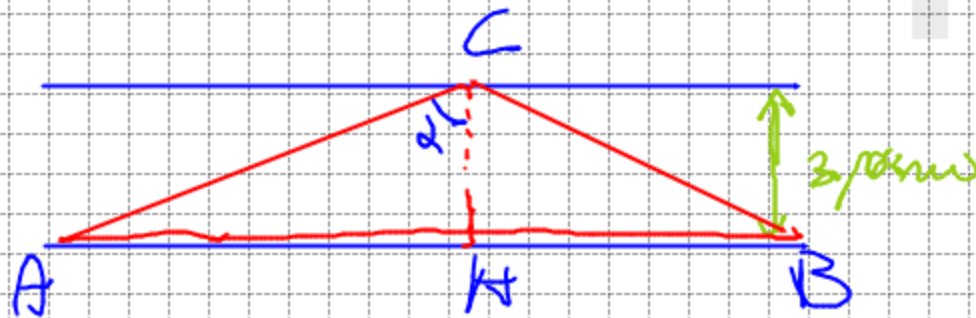


ES N 7 Fernrohr

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a)

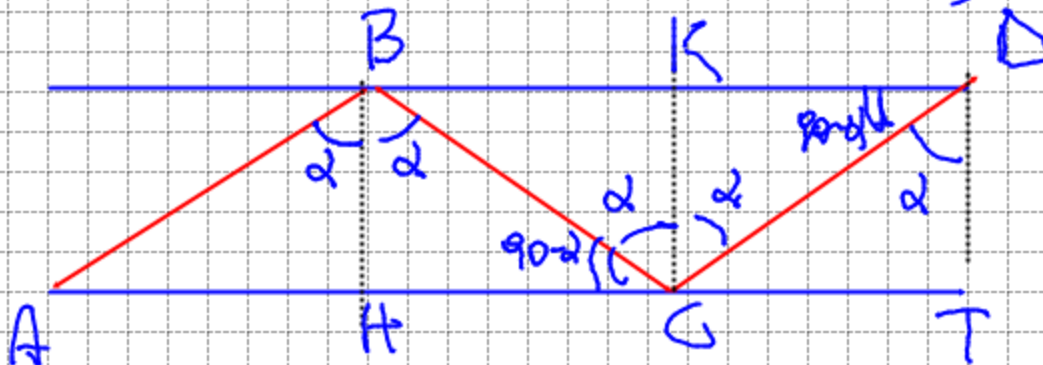


17 cm

$$\frac{AH}{HC} = \tan \alpha \quad \alpha = \tan^{-1} \left(\frac{AH}{HC} \right) = 70^{\circ} 33' 36''$$

$\alpha > \alpha = 70$

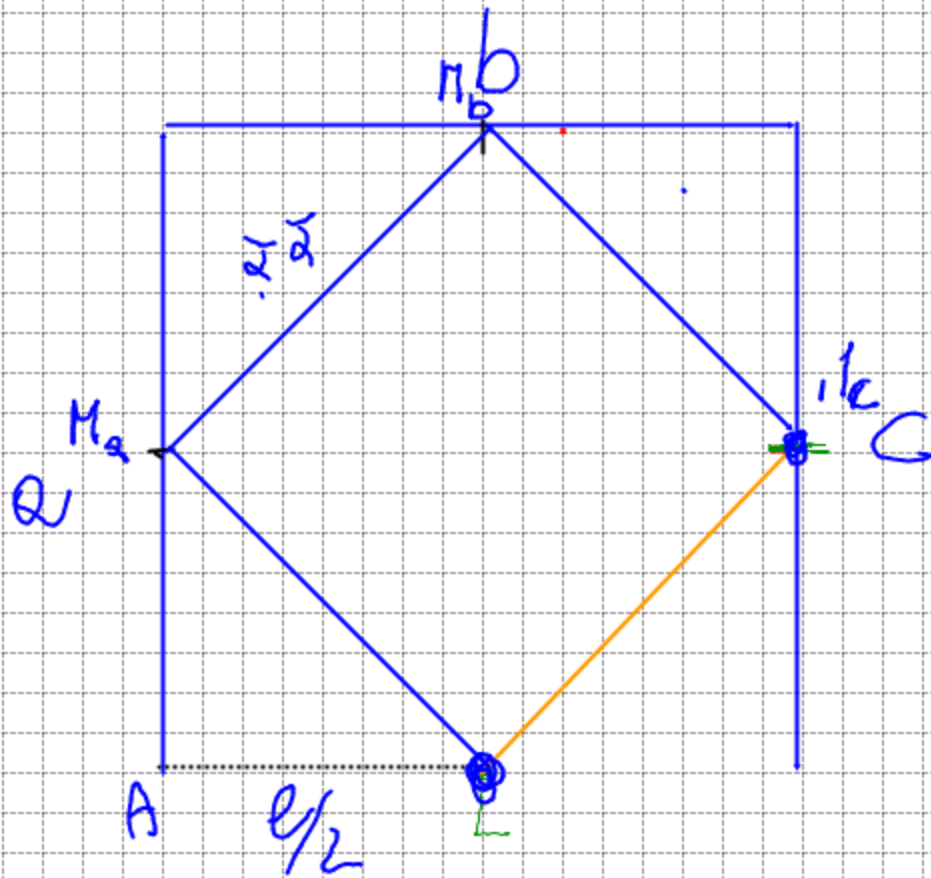
b)



$$\overline{AH} = 5,67 \text{ cm}$$

$$\alpha = \tan^{-1} \left(\frac{AH}{HB} \right) = 62^{\circ} 7'$$

$$62^{\circ} 7' < \alpha < 70^{\circ} 33' 36''$$



$$\sin 30^\circ = \frac{1}{2}$$

$$\cos 30^\circ = \frac{\sqrt{3}}{2}$$

$$AB = \frac{l}{2} \tan 30^\circ$$

$$AB = \frac{l}{2} \frac{\sqrt{3}}{3}$$