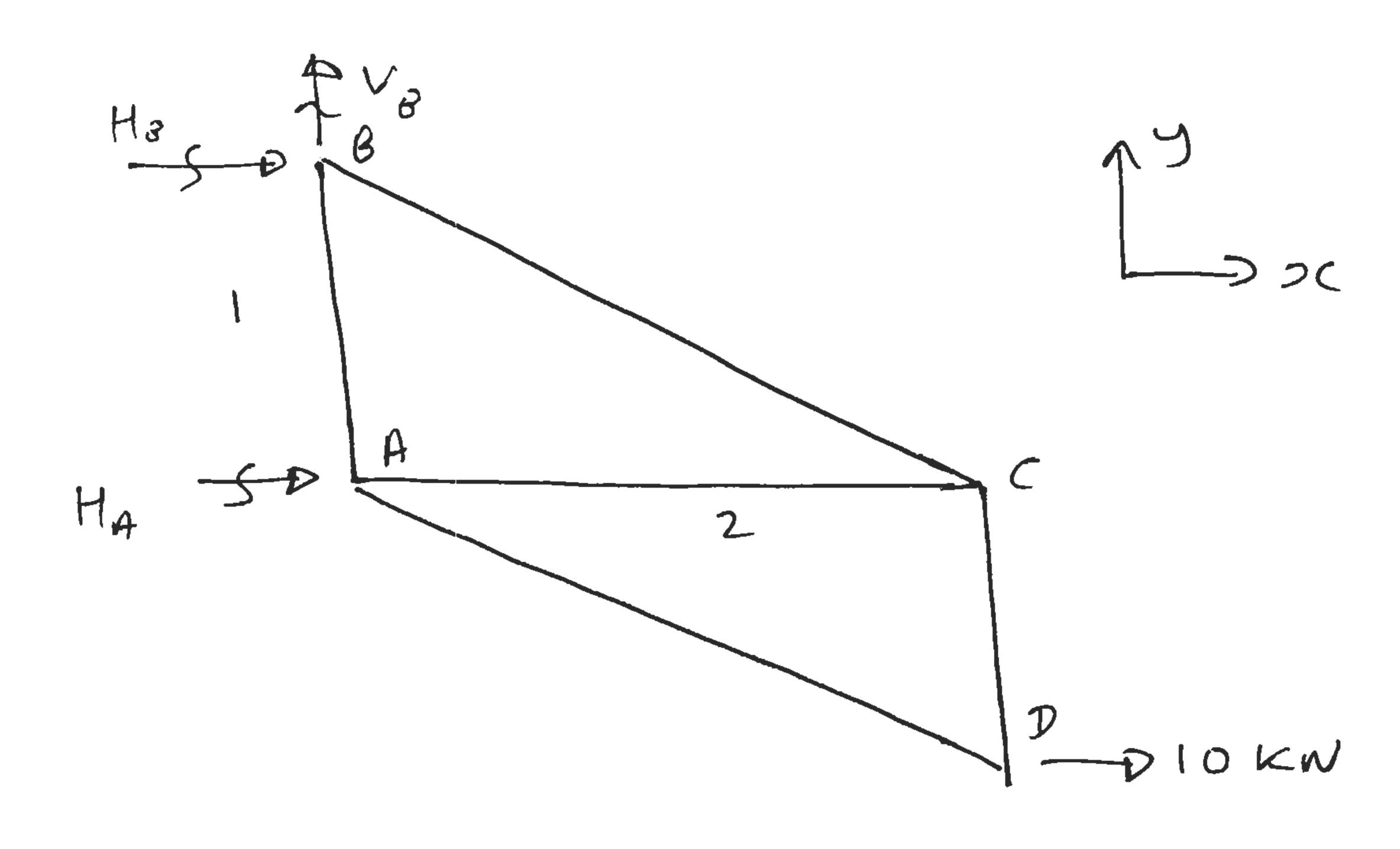
M9



$$\Sigma = 0: 10 + H_8 + H_A = 0$$
 (1)

Bon Fres

$$F_{AD} = \frac{2}{\sqrt{5}}$$

$$Sin 0 = \frac{1}{\sqrt{5}}$$

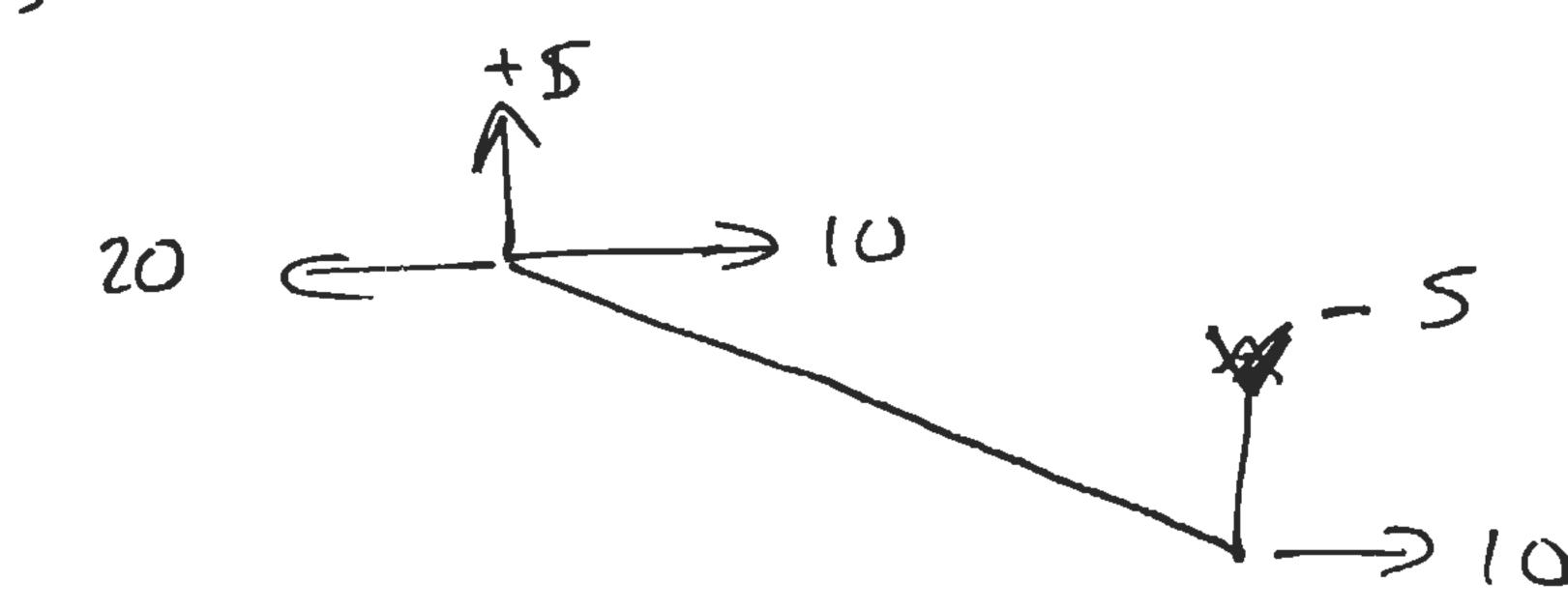
$$Cus O = \frac{2}{\sqrt{5}}$$

$$\Sigma F_{\lambda} = 0$$
 - $F_{AD} \cos \theta + 10 = 0 \Rightarrow F_{AD} = \frac{10.15}{2} = +11.2 \text{ kW}$

$$5F_{x}=0: -F_{AC} + -F_{CD} \cos \theta = 0$$

M0 J @ A

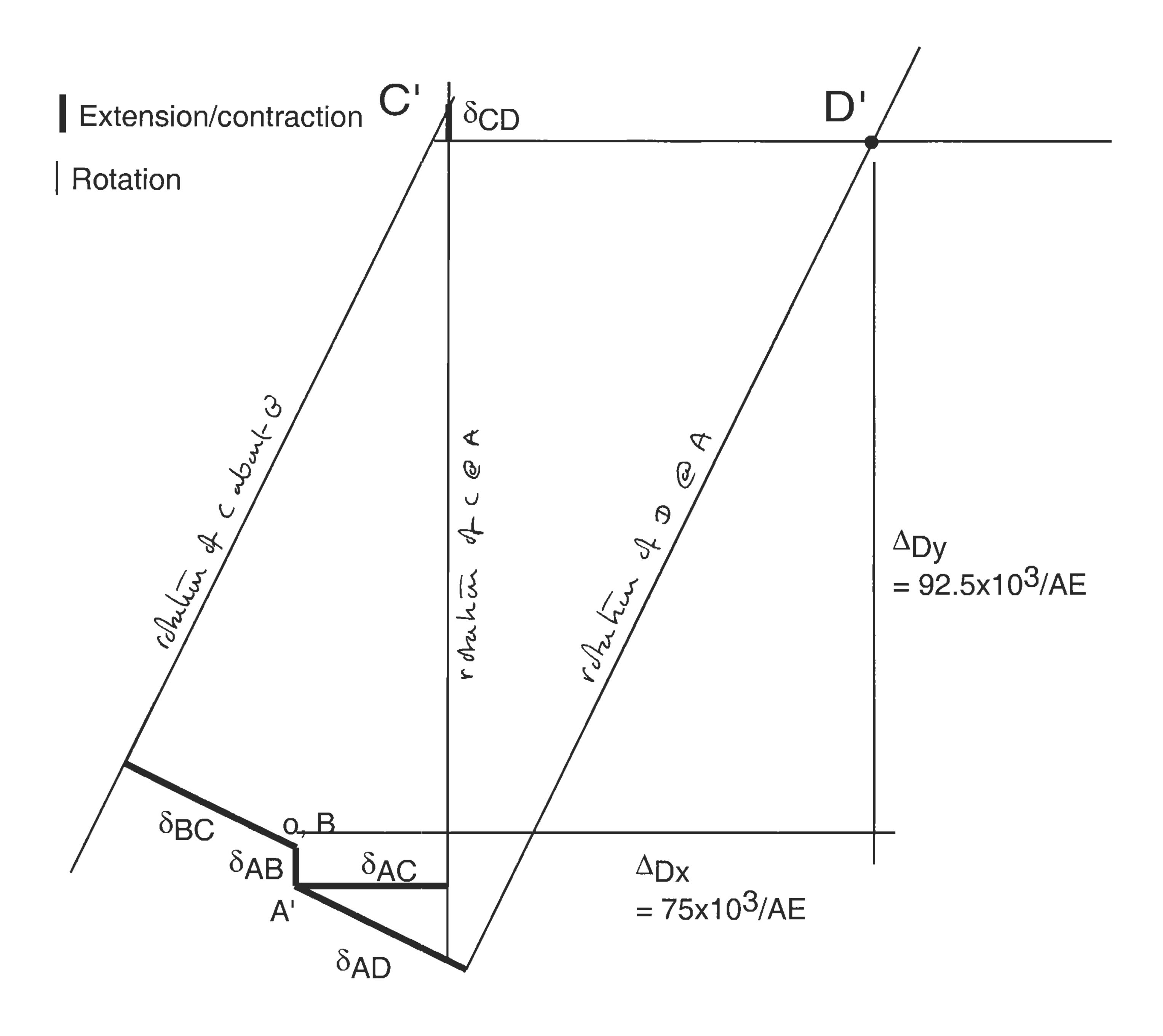
check MUS



Baw [we (KN) F/P Length Length
$$\frac{5}{4}$$
 $\frac{5}{4}$ $\frac{5}{4}$ $\frac{1}{4}$ $\frac{1$

Draw dis placement-diagram (see attached)

Vertical deflection =
$$\frac{92.5 \times 10^3}{AE}$$
 = 2.64×10^3 m = 2.64×10^3 m



10³/AE