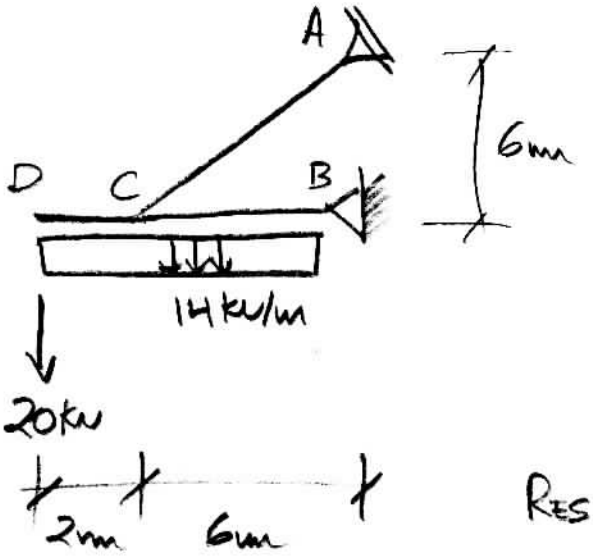
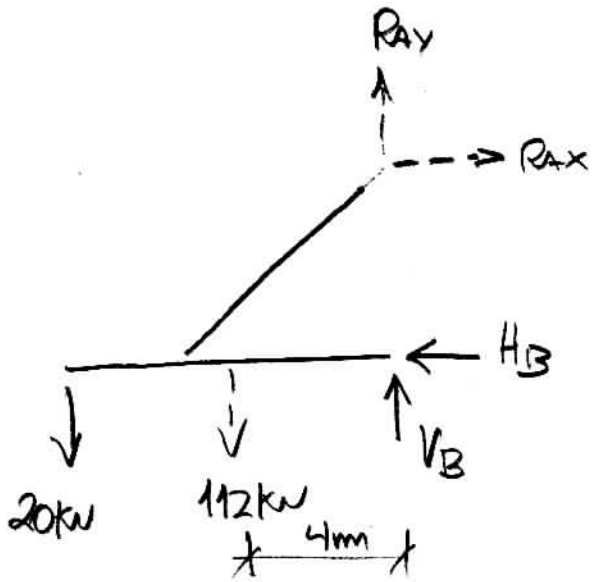
TE1-2.6





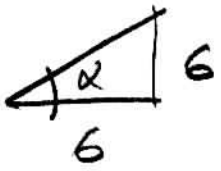
$R_{ES} = 14 \times 8 = 112\ kN$

$\oplus\circlearrowleft \quad \Sigma M_A = 0 \quad 20\times 8 + 112\times 4 - H_B \times 6 = 0$

$H_B = \frac{1}{6}(160 + 448) = \underline{101{,}33\ kN} \leftarrow$

$\rightarrow\oplus \quad \Sigma F_H = 0 \quad R_{AX} = -H_B = \underline{101{,}33\ kN} \rightarrow$





$\alpha = 45^\circ$

$\cos\alpha = \text{sen}\alpha = \sqrt{2}/2$

LOGO $R_{AY} = \underline{101{,}33\ kN} \uparrow$

$\uparrow\oplus \quad \Sigma F_V = 0 \quad 101{,}33 - 20 - 112 + V_B = 0$

$V_B = 132 - 101{,}33 = \underline{30{,}67\ kN} \uparrow$

$R_A = 101{,}33 / \sqrt{2}/2 = \underline{143{,}30\ kN} \nearrow$