

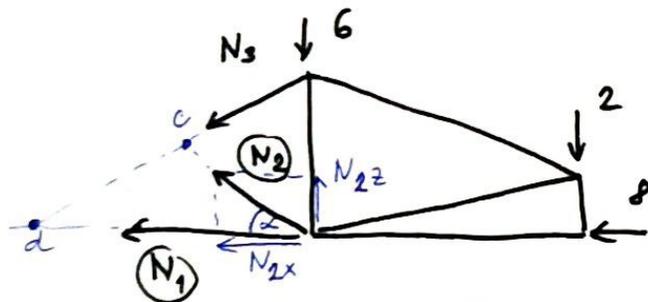
$$\sum F_{ix} = 0: R_1 - 8 = 0 \Rightarrow R_1 = 8 \text{ kN}$$

$$\sum M_{ia} = 0: -R_2 \cdot 2 - 6 \cdot 2 - 2 \cdot 6 - 8 \cdot 0,75 = 0 \Rightarrow R_2 = -15 \text{ kN}$$

$$\sum M_{ib} = 0: R_3 \cdot 2 - 6 \cdot 4 - 2 \cdot 8 - 8 \cdot 0,75 = 0 \Rightarrow R_3 = 23 \text{ kN}$$

$$\text{KO: } \sum F_{iz} = 0 \uparrow \oplus: R_2 + R_3 - 6 - 2 = 0$$

$$-15 + 23 - 6 - 2 = 0 \checkmark$$



$$\sum M_{ic} = 0: -6 \cdot 2 - 2 \cdot 6 - 8 \cdot 1,5 - N_1 \cdot 1,5 = 0$$

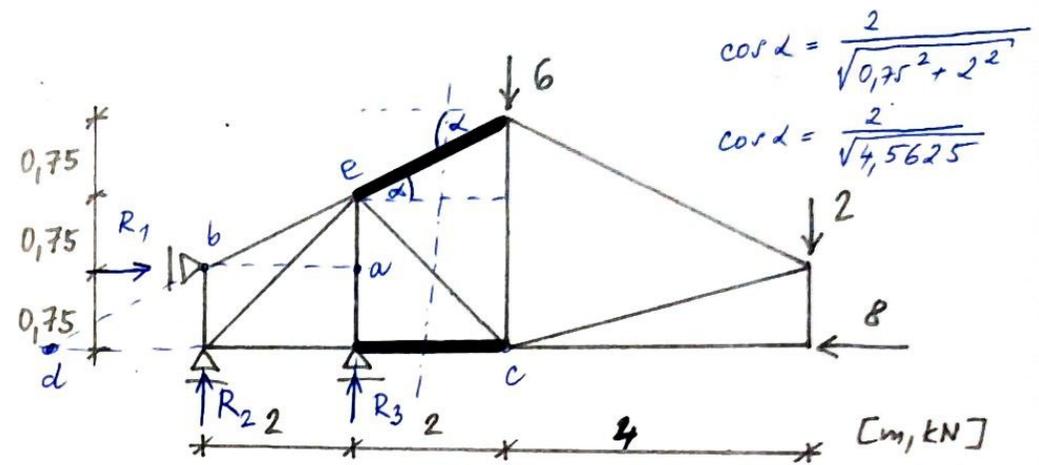
$$N_1 = -24 \text{ kN (TLAK)}$$

$$\sum M_{id} = 0: -6 \cdot 6 - 2 \cdot 10 + N_{2x} \cdot 0 + N_{22} \cdot 6 = 0$$

$$-6 \cdot 6 - 2 \cdot 10 + N_2 \cdot (\sin \alpha) \cdot 6 = 0$$

$$-6 \cdot 6 - 2 \cdot 10 + N_2 \cdot 0,6 \cdot 6 = 0$$

$$N_2 = 15,5 \text{ kN (TAH)}$$



$$\sum F_{ix} = 0: R_1 - 8 = 0 \rightarrow R_1 = 8 \text{ kN}$$

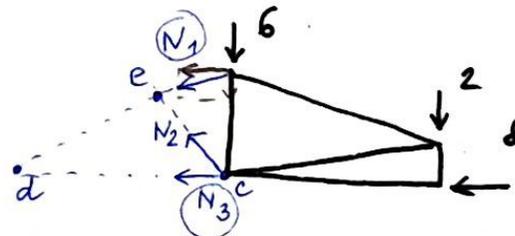
$$\sum M_{ia} = 0: -R_2 \cdot 2 - 6 \cdot 2 - 2 \cdot 6 + 8 \cdot 0,75 = 0$$

$$\oplus \oplus R_2 = -15 \text{ kN}$$

$$\sum M_{ib} = 0: R_3 \cdot 2 - 6 \cdot 4 - 2 \cdot 8 - 8 \cdot 0,75 = 0$$

$$\oplus \oplus R_3 = 23 \text{ kN}$$

$$\text{KO: } \sum F_{iz} = 0: R_2 + R_3 - 6 - 2 = 0 \Rightarrow -15 + 23 - 6 - 2 = 0 \checkmark$$



$$\sum M_{ic} = 0: -2 \cdot 4 + N_{1x} \cdot 2,25 + N_{12} \cdot 0 = 0$$

$$-2 \cdot 4 + N_1 \cdot (\cos \alpha) \cdot 2,25 = 0$$

$$N_1 = \frac{8}{2,25 \cdot \frac{2}{\sqrt{4,5625}}} = 3,797 \text{ kN (TAH)}$$

$$\sum M_{ie} = 0: -6 \cdot 2 - 2 \cdot 6 - 8 \cdot 1,5 - N_3 \cdot 1,5 = 0$$

$$N_3 = -24 \text{ kN (TLAK)}$$