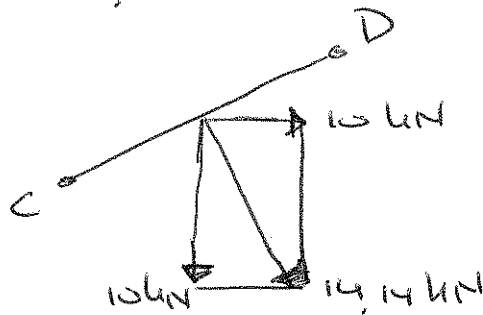


$q = 2 \text{ kN/m}$

$CD = 5\sqrt{2}$

$Q = 2 \times 5\sqrt{2} = 14,14 \text{ kN}$

Entbinden



$\sum M_{\text{to } A}$

$-10 \times \frac{5}{2} - 10 \times 7,5 + 10 F_B = 0$

$F_B = \frac{25 + 75}{10} = 10 \text{ kN}$

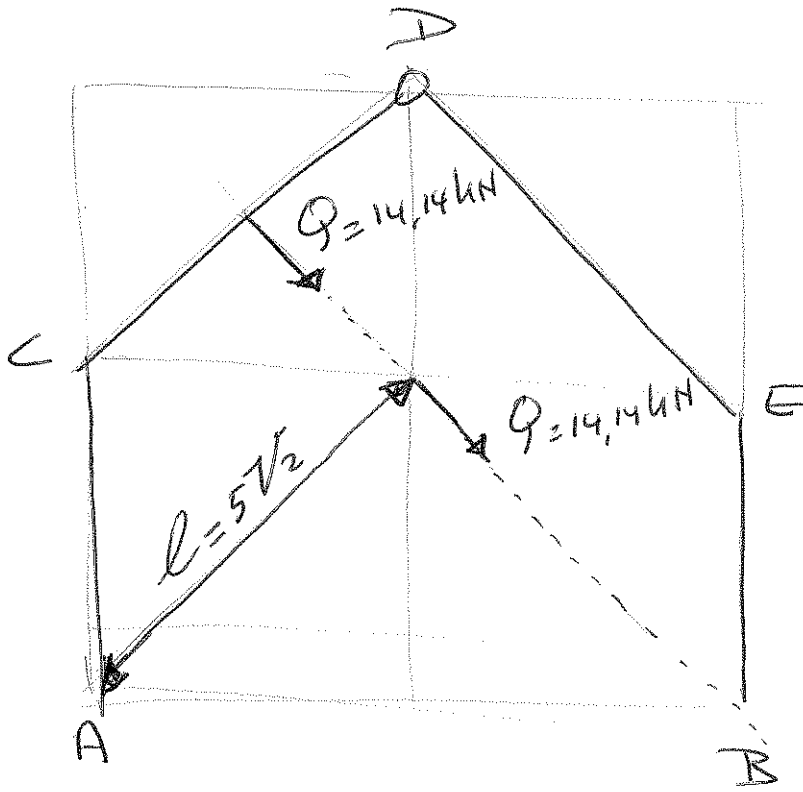
$\sum V = 0$

$Q - F_B = 10 - 10 = 0$

$F_A = 0 \text{ kN}$

of

3



$$Q = 2 \times 5\sqrt{2} = 14,14 \text{ kN}$$

Load acts at a distance $l = 5\sqrt{2}$ m from A

$\sum M$ about A

$$-14,14 \times 5\sqrt{2} + 10 F_B = 0$$

$$F_B = \frac{100}{10} = 10 \text{ kN}$$

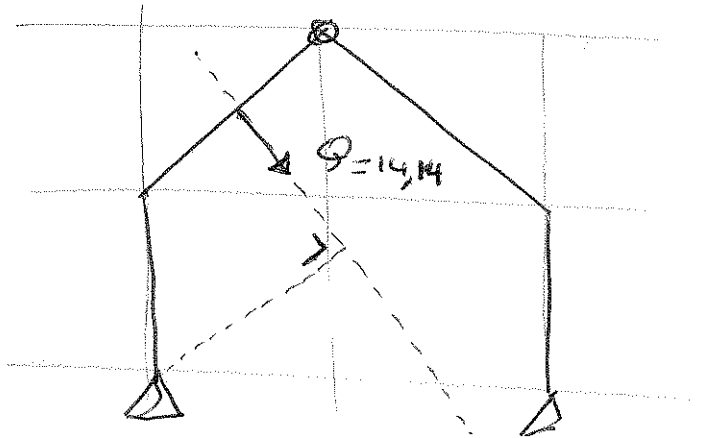
$\sum M$ about B

$$-14,14 \times 0 + 10 F_A = 0$$

$$F_A = \frac{14,14 \times 0}{10} = 0 \text{ kN}$$

~~Handwritten scribble~~

4 ~~Handwritten scribble~~



$$Q = 2 \times 3\sqrt{2} = 14,14 \text{ kN}$$

$\sum M \text{ tov } D (\text{links})$

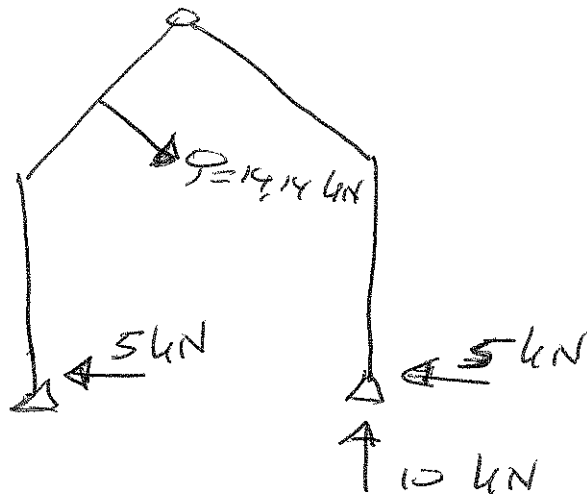
$$-10 F_{AH} - 14,14 \times \frac{5\sqrt{2}}{2} = 0$$

$-F_{AH} = 5 \text{ kN}$ (Teekken verandering!
Kraacht verkeerd an
aangenomen \leftarrow)

$\sum M \text{ tov } D (\text{rechts})$

$$-F_{Bh} \times 10 + F_B \times 5 = 0$$

$$F_{Bh} = \frac{10 \times 5}{10} = 5 \text{ kN. } \leftarrow$$



etc.