

Opmerkingen: Zie §11.2, blz. 416 t/m 420

Antwoord(en):

Vraag 2:

a.

$$dN_x = -q_n \cdot dx$$

$$N_x = -\int q_n \cdot dx$$

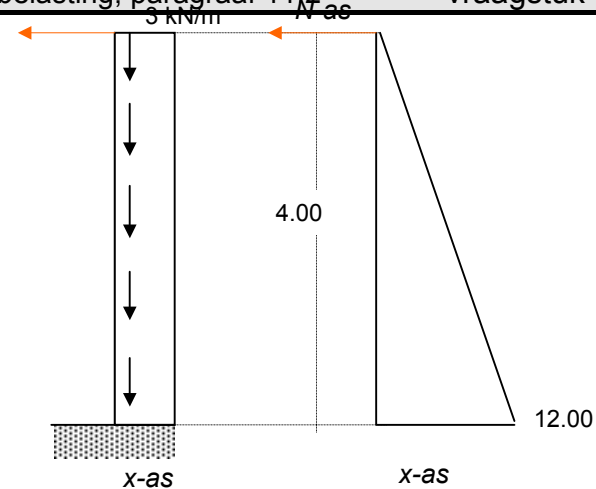
$$N_x = -[3 \cdot x + C] \text{ kN};$$

$$\text{voor } x = 0 \Rightarrow N = 0$$

$$\Rightarrow C = 0;$$

$$N_x = -3 \cdot x$$

z-as

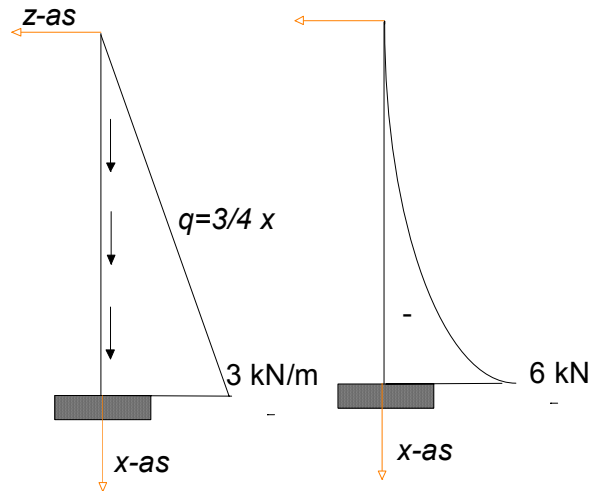


b.

$$c. \quad V_a = 12 \text{ kN} \uparrow$$

Vraag 3:

$$N_x = -\frac{3}{8} \cdot x^2$$



$$V_A = 6 \text{ kN} \uparrow$$