

Opgave 5.1

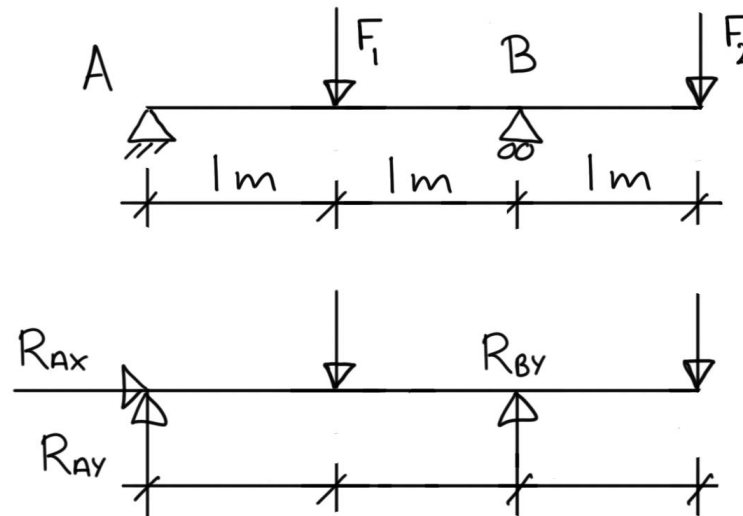
Opgave 5.1

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 60\text{N}$$

$$F_2 = 40\text{N}$$



Opgave 5.1

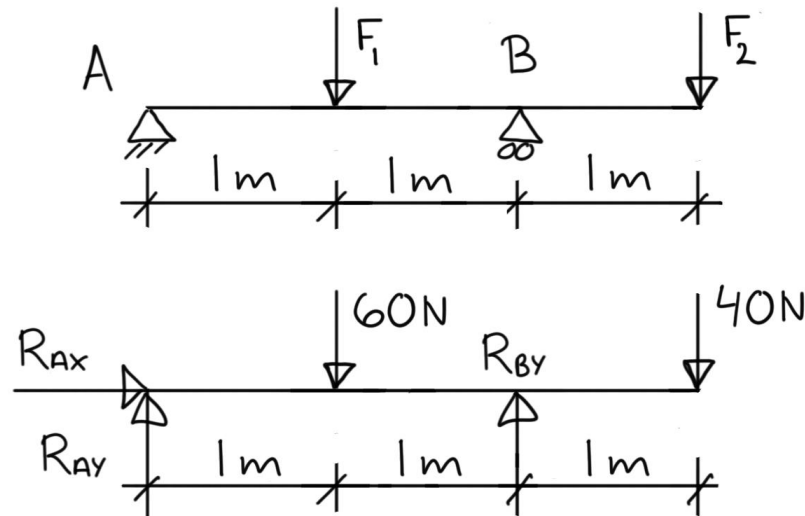
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

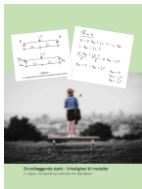
$$R_{Ay} = 10\text{ N}$$

$$R_{By} = 90\text{ N}$$



$$F_1 = 60\text{ N}$$

$$F_2 = 40\text{ N}$$



Opgave 5.2

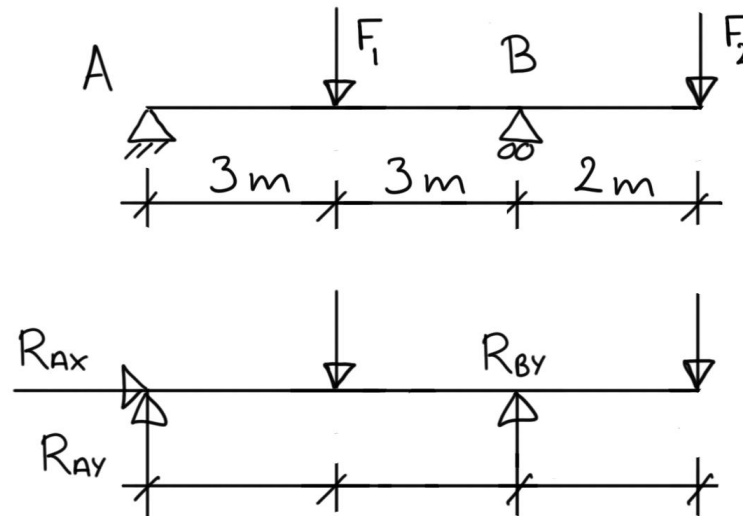
Opgave 5.2

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 200 \text{ N}$$

$$F_2 = 120 \text{ N}$$



Opgave 5.2

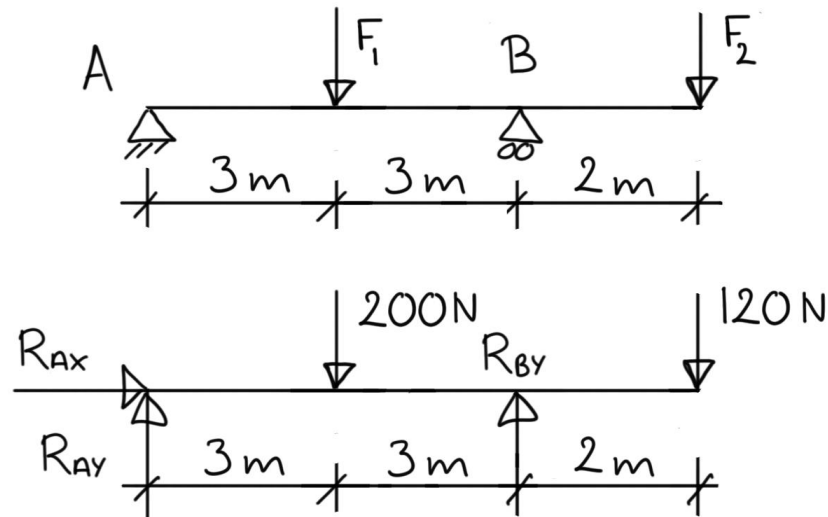
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = 60\text{ N}$$

$$R_{By} = 260\text{ N}$$



$$F_1 = 200\text{ N}$$

$$F_2 = 120\text{ N}$$



Opgave 5.3

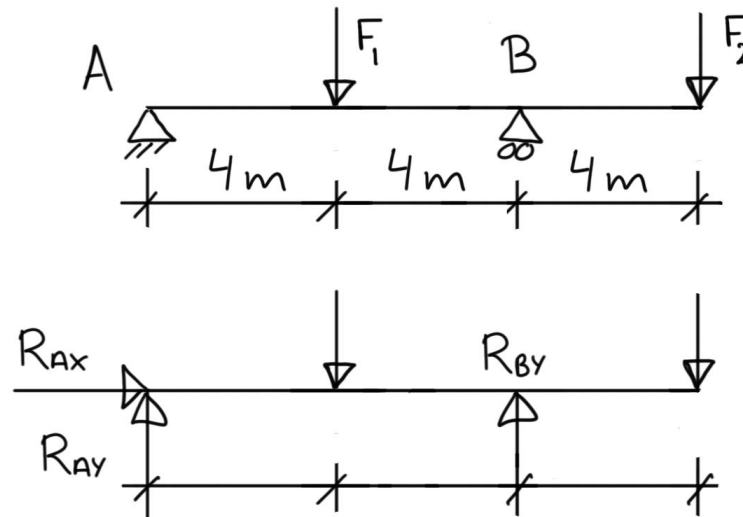
Opgave 5.3

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 200\text{ N}$$

$$F_2 = 120\text{ N}$$



Opgave 5.3

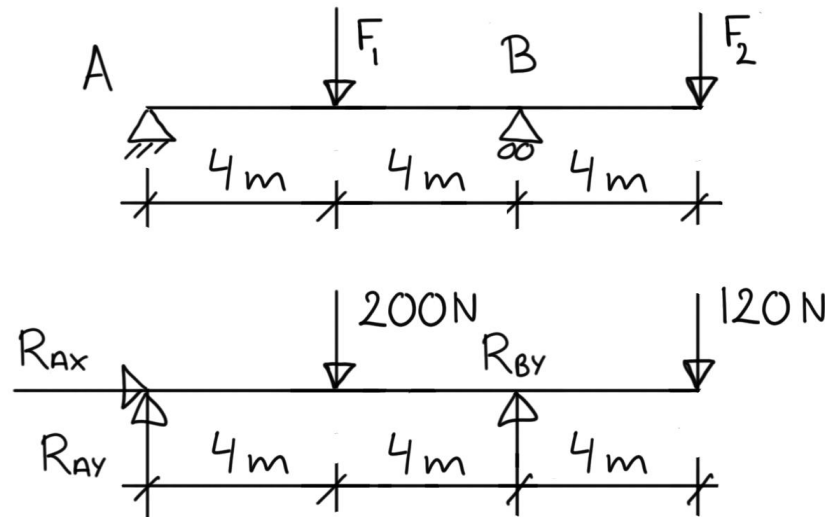
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = 40\text{ N}$$

$$R_{By} = 280\text{ N}$$



$$F_1 = 200\text{ N}$$

$$F_2 = 120\text{ N}$$



Opgave 5.4

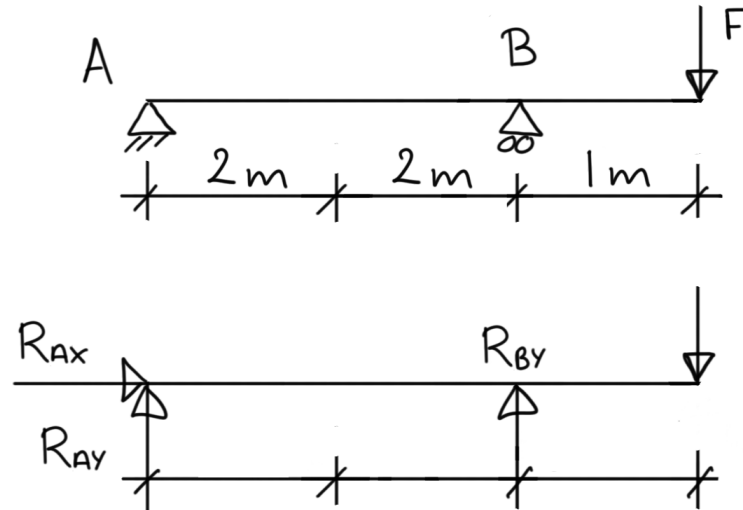
Opgave 5.4

Find reaktionerne

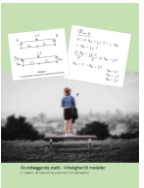
$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F = 60\text{N}$$



Opgave 5.4

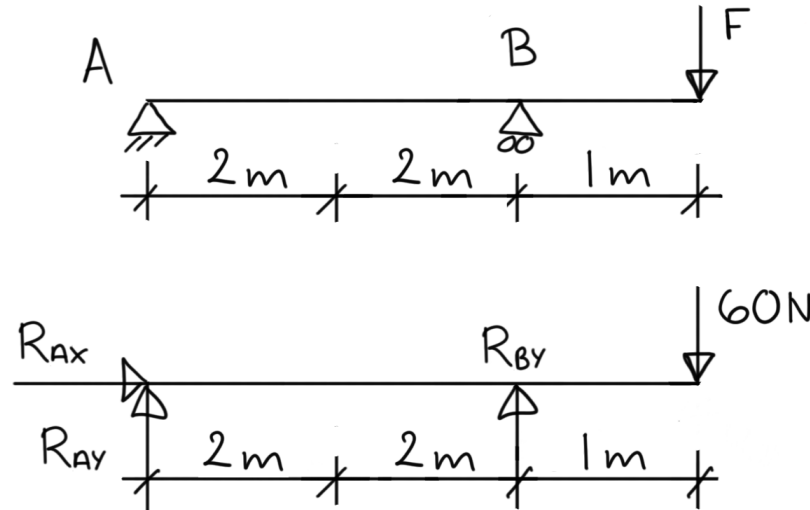
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = -15\text{ N}$$

$$R_{By} = 75\text{ N}$$



$$F = 60\text{ N}$$



Opgave 5.5

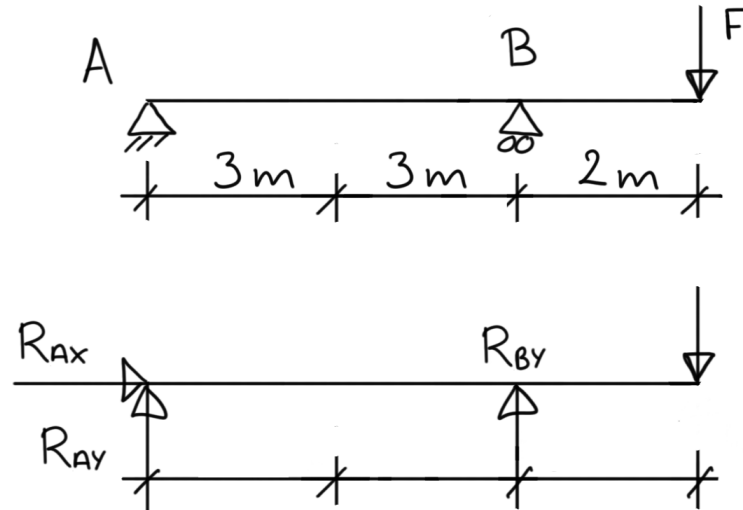
Opgave 5.5

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F = 60\text{N}$$



Opgave 5.5

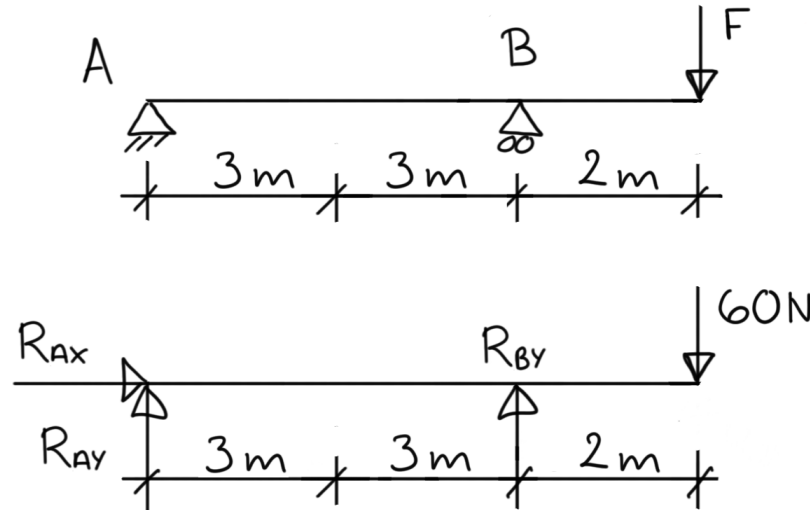
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = -20\text{N}$$

$$R_{By} = 80\text{N}$$



$$F = 60\text{N}$$



Opgave 5.6

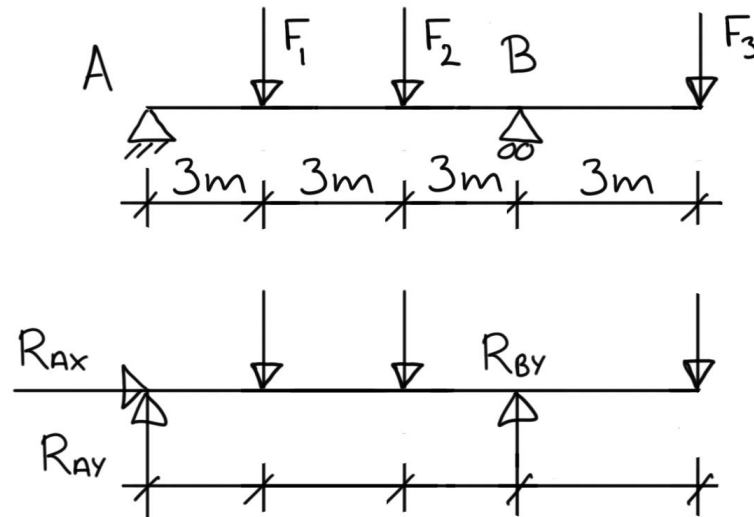
Opgave 5.6

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 60\text{N}$$

$$F_2 = 120\text{N}$$

$$F_3 = 30\text{N}$$



Opgave 5.6

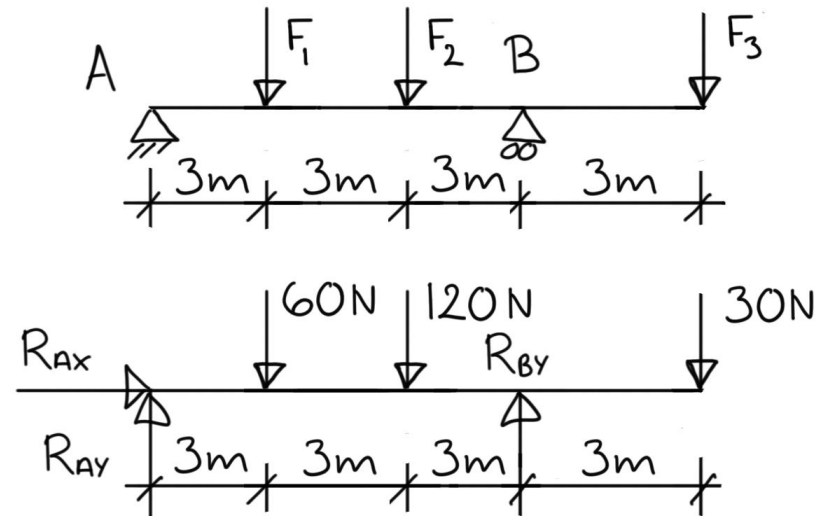
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = 70 \text{ N}$$

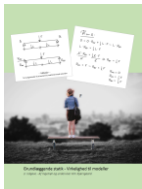
$$R_{By} = 140 \text{ N}$$



$$F_1 = 60 \text{ N}$$

$$F_2 = 120 \text{ N}$$

$$F_3 = 30 \text{ N}$$



Opgave 5.7

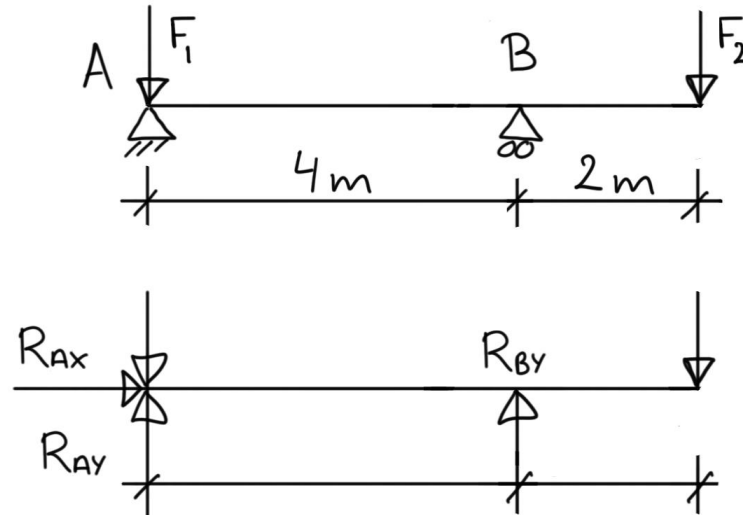
Opgave 5.7

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 100 \text{ N}$$

$$F_2 = 100 \text{ N}$$



Opgave 5.7

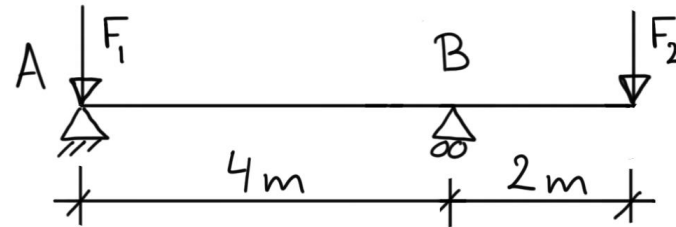
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

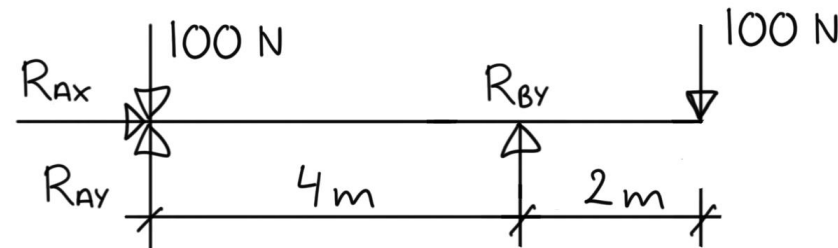
$$R_{Ay} = 50 \text{ N}$$

$$R_{By} = 150 \text{ N}$$



$$F_1 = 100 \text{ N}$$

$$F_2 = 100 \text{ N}$$



Opgave 5.8

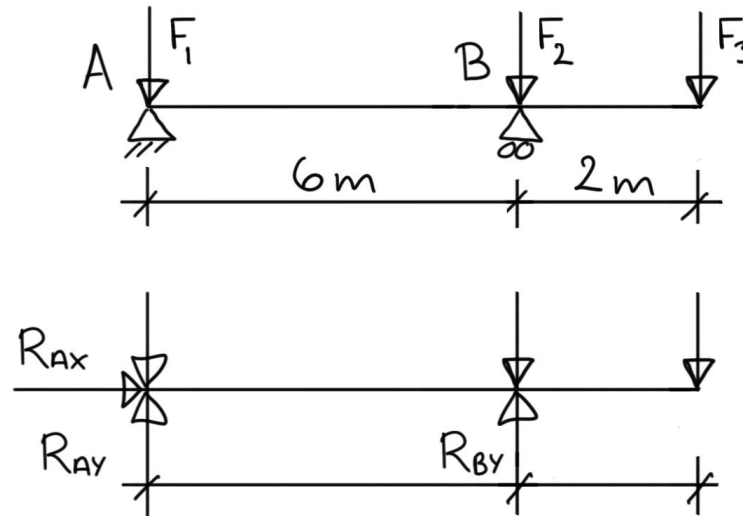
Opgave 5.8

Find reaktionerne

$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$F_1 = 50 \text{ N}$$

$$F_2 = 100 \text{ N}$$

$$F_3 = 150 \text{ N}$$



Opgave 5.8

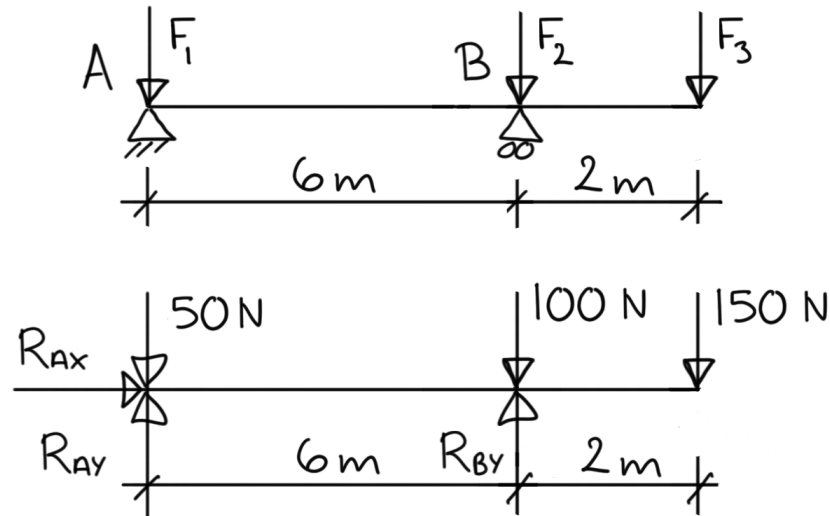
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

$$R_{Ay} = 0$$

$$R_{By} = 300\text{ N}$$



$$F_1 = 50\text{ N}$$

$$F_2 = 100\text{ N}$$

$$F_3 = 150\text{ N}$$



Opgave 5.9

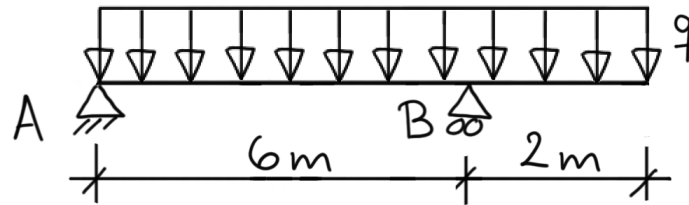
Opgave 5.9

Find reaktionerne

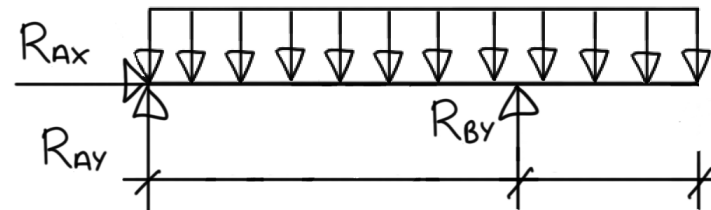
$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$q = 20 \text{ N/m}$$



Opgave 5.9

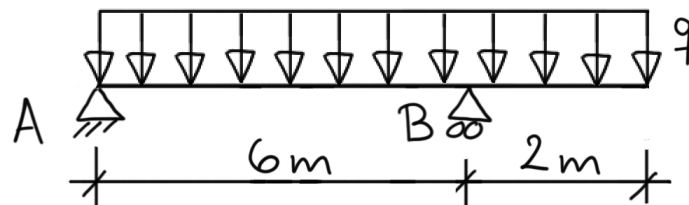
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

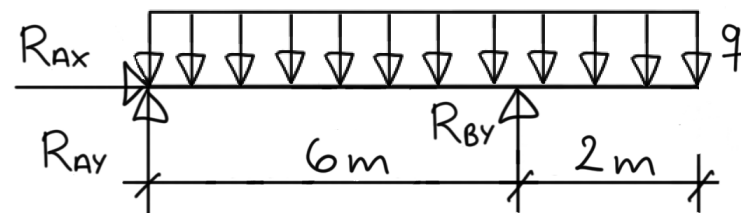
$$R_{Ax} = 0$$

$$R_{Ay} = 50 \text{ N}$$

$$R_{By} = 110 \text{ N}$$



$$q = 20 \text{ N/m}$$



Opgave 5.10

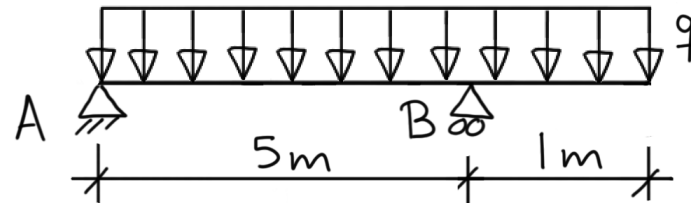
Opgave 5.10

Find reaktionerne

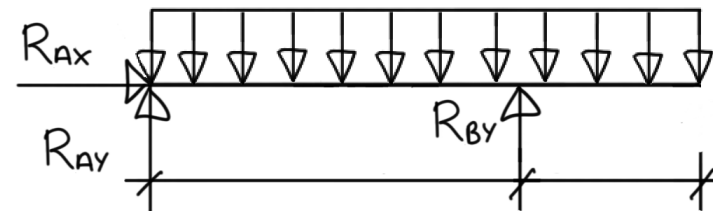
$$R_{Ax} =$$

$$R_{Ay} =$$

$$R_{By} =$$



$$q = 50 \text{ N/m}$$



Opgave 5.10

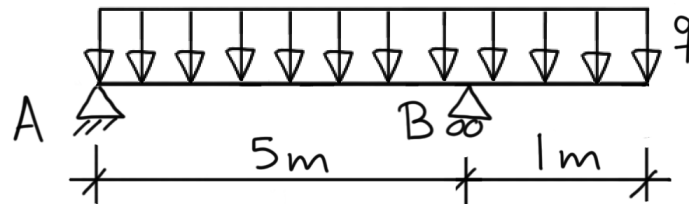
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

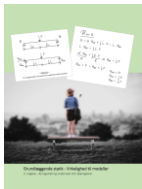
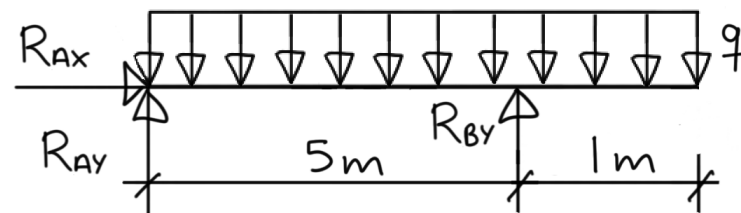
$$R_{Ax} = 0$$

$$R_{Ay} = 120 \text{ N}$$

$$R_{By} = 180 \text{ N}$$



$$q = 50 \text{ N/m}$$



Opgave 5.11

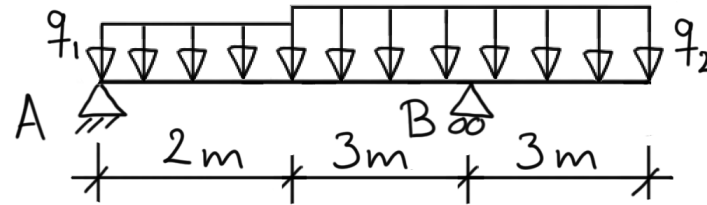
Opgave 5.11

Find reaktionerne

$$R_{Ax} =$$

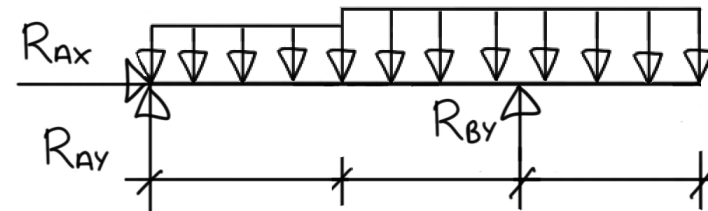
$$R_{Ay} =$$

$$R_{By} =$$



$$q_1 = 25 \text{ N/m}$$

$$q_2 = 30 \text{ N/m}$$



Opgave 5.11

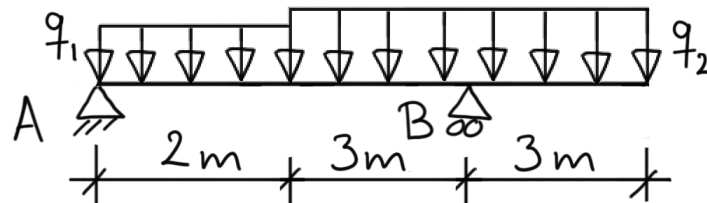
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

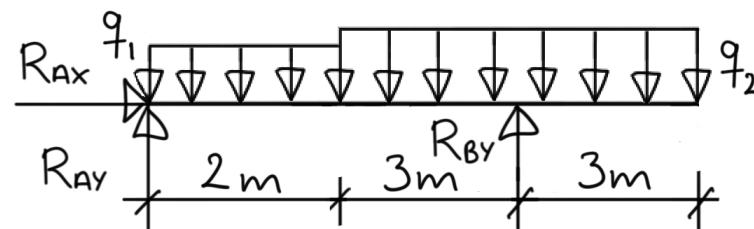
$$R_{Ay} = 120 \text{ N}$$

$$R_{By} = 180 \text{ N}$$



$$q_1 = 25 \text{ N/m}$$

$$q_2 = 30 \text{ N/m}$$



Opgave 5.12

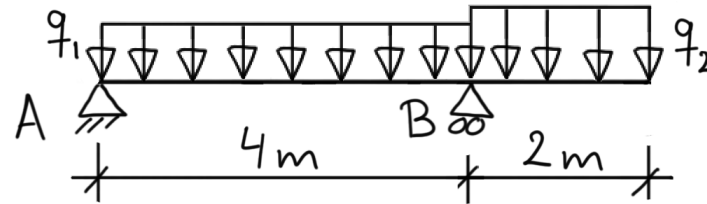
Opgave 5.12

Find reaktionerne

$$R_{Ax} =$$

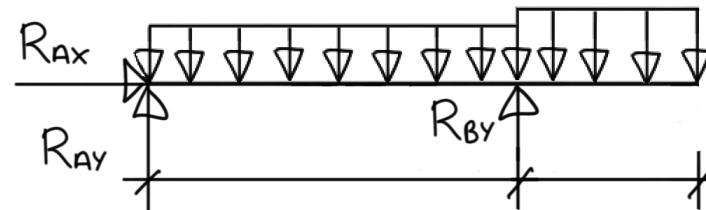
$$R_{Ay} =$$

$$R_{By} =$$



$$q_1 = 25 \text{ N/m}$$

$$q_2 = 120 \text{ N/m}$$



Opgave 5.12

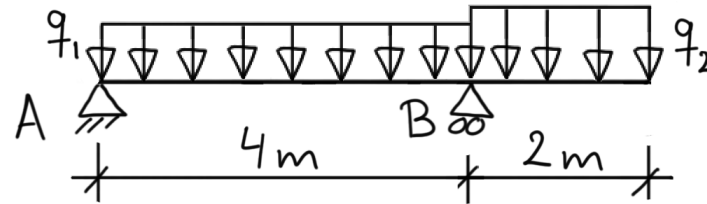
Se mere i afsnittet "Udhæng" i bogen

Reaktionerne er:

$$R_{Ax} = 0$$

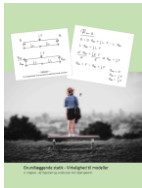
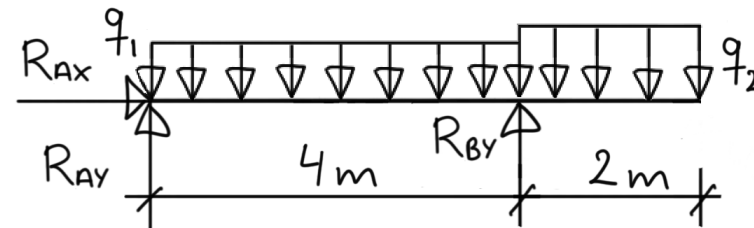
$$R_{Ay} = -10 \text{ N}$$

$$R_{By} = 350 \text{ N}$$



$$q_1 = 25 \text{ N/m}$$

$$q_2 = 120 \text{ N/m}$$



Opgave 5.13

Opgave 5.13

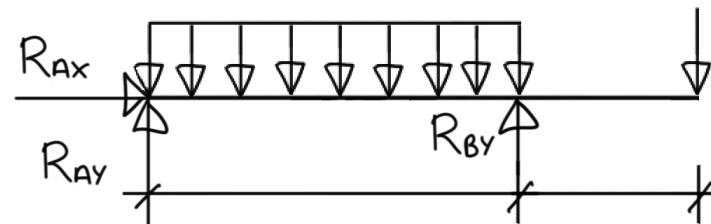
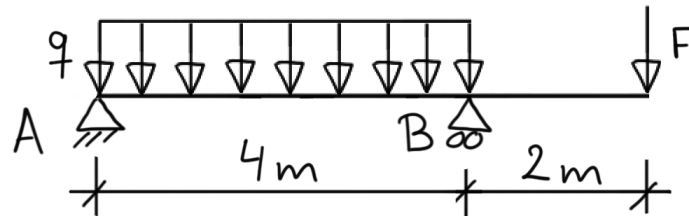
Bestem R_{Ax} , R_{By} og F , når R_{Ay} er 20 N

$$R_{Ax} = ?$$

$$R_{Ay} = 20 \text{ N}$$

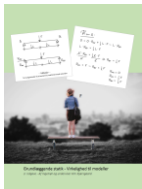
$$R_{By} = ?$$

$$F = ?$$



$$q = 40 \text{ N/m}$$

$$F = ?$$



Opgave 5.13

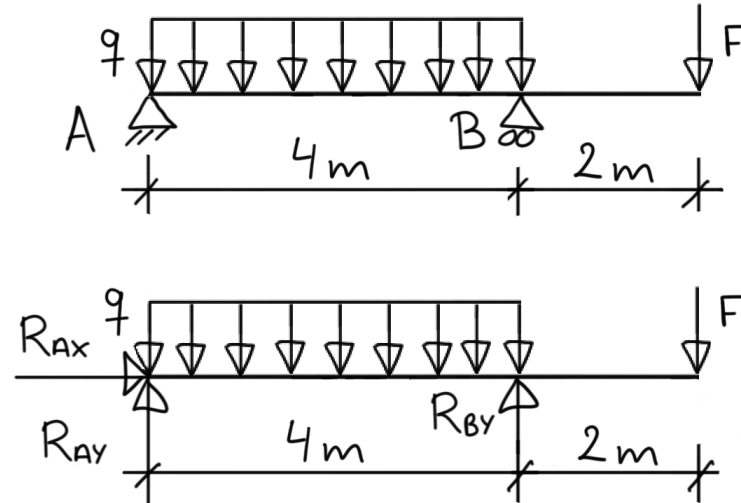
Reaktionerne og F er:

$$R_{Ax} = 0$$

$$R_{Ay} = 20 \text{ N}$$

$$R_{By} = 260 \text{ N}$$

$$F = 120 \text{ N}$$



$$q = 40 \text{ N/m}$$

$$F = 120 \text{ N}$$

