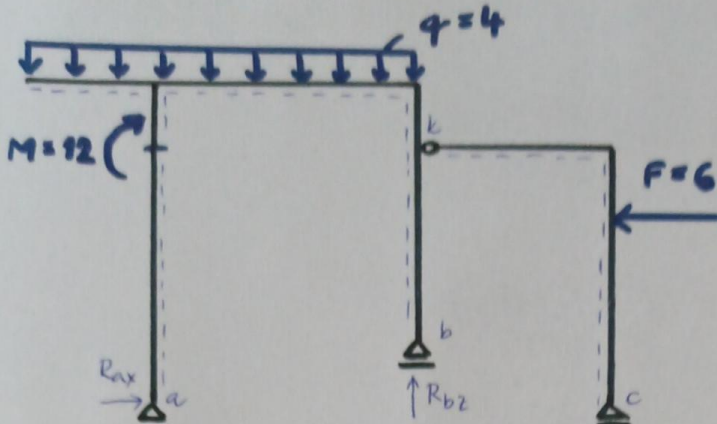




cm, kN, kNm, kN·m<sup>-1</sup>

1)  $\sum M_{ik}^P = 0$ :

$$R_{c2} \cdot 3 - F \cdot 1 = 0$$

$$R_{c2} = \frac{6 \cdot 1}{3} = \underline{2 \text{ kN}} (\uparrow)$$

2)  $\sum M_{ia} = 0$ :

$$-M + q \cdot 2 \cdot 1 - q \cdot 4 \cdot 2 + R_{b2} \cdot 4 + R_{c2} \cdot 7 + F \cdot 3 = 0$$

$$R_{b2} = \frac{12 - 4 \cdot 2 \cdot 1 + 4 \cdot 4 \cdot 2 - 2 \cdot 7 - 6 \cdot 3}{4}$$

$$R_{b2} = \underline{1 \text{ kN}} (\uparrow)$$

4)  $\sum M_{ik}^L = 0$ :

$$q \cdot 6 \cdot 3 - M - R_{a2} \cdot 4 + R_{ax} \cdot 4 = 0$$

$$R_{a2} = \frac{4 \cdot 6 \cdot 3 - 12 + 6 \cdot 4}{4} = \underline{21 \text{ kN}} (\uparrow)$$

3)  $\sum F_{ix} = 0$ :  $R_{ax} - F = 0$   
 $R_{ax} = F = \underline{6 \text{ kN}} (\rightarrow)$

KO:  $\sum F_{iz} = 0$

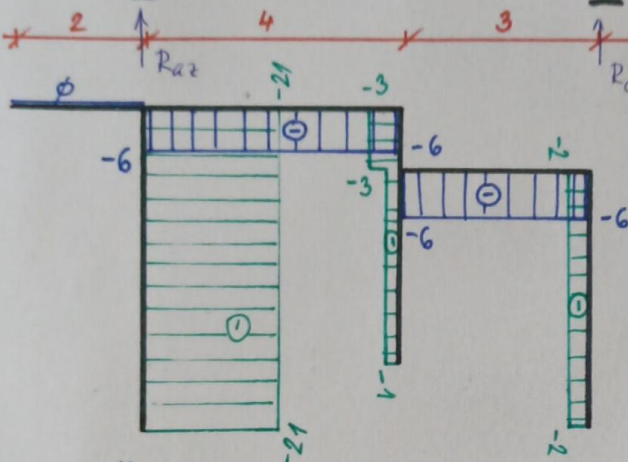
$$R_{a2} + R_{b2} + R_{c2} - q \cdot 6 = 0$$

$$21 + 1 + 2 - 4 \cdot 6 = 0 \checkmark$$

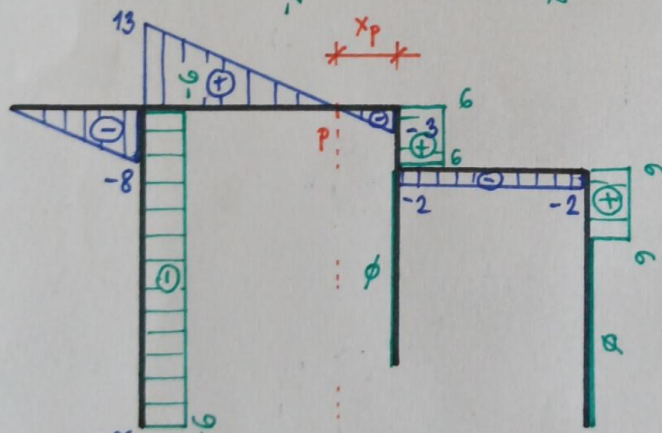
$V_p^P = 0$ :  $-R_{c2} - R_{b2} + q \cdot x_p = 0$   
 $x_p = \frac{2+1}{4} = \underline{0.75 \text{ m}}$

$M_p^P = R_{c2} \cdot 3.75 + R_{b2} \cdot 0.75 - F \cdot 2 - q \cdot 0.75^2 \cdot 0.75 = \underline{-4.875 \text{ kNm}}$

(N)



(S)



(M)

