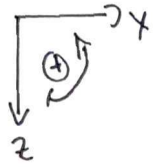
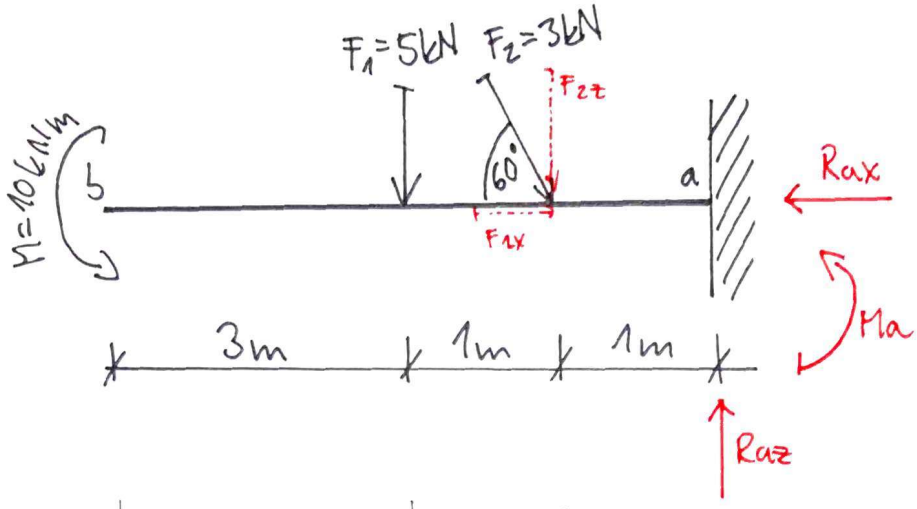


Mahr

$F_{2x} = F_2 \cdot \cos(60) = 1{,}5\,kN$

$F_{2z} = F_2 \cdot \sin(60) = 2{,}6\,kN$



$\sum F_{ix} = 0;$

$F_{2x} - R_{ax} = 0$

$R_{ax} = F_{2x}$

$R_{ax} = 1{,}5\,kN$

$\sum F_{iz} = 0;$

$F_1 + F_{2z} - R_{az} = 0$

$R_{az} = F_1 + F_{2z}$

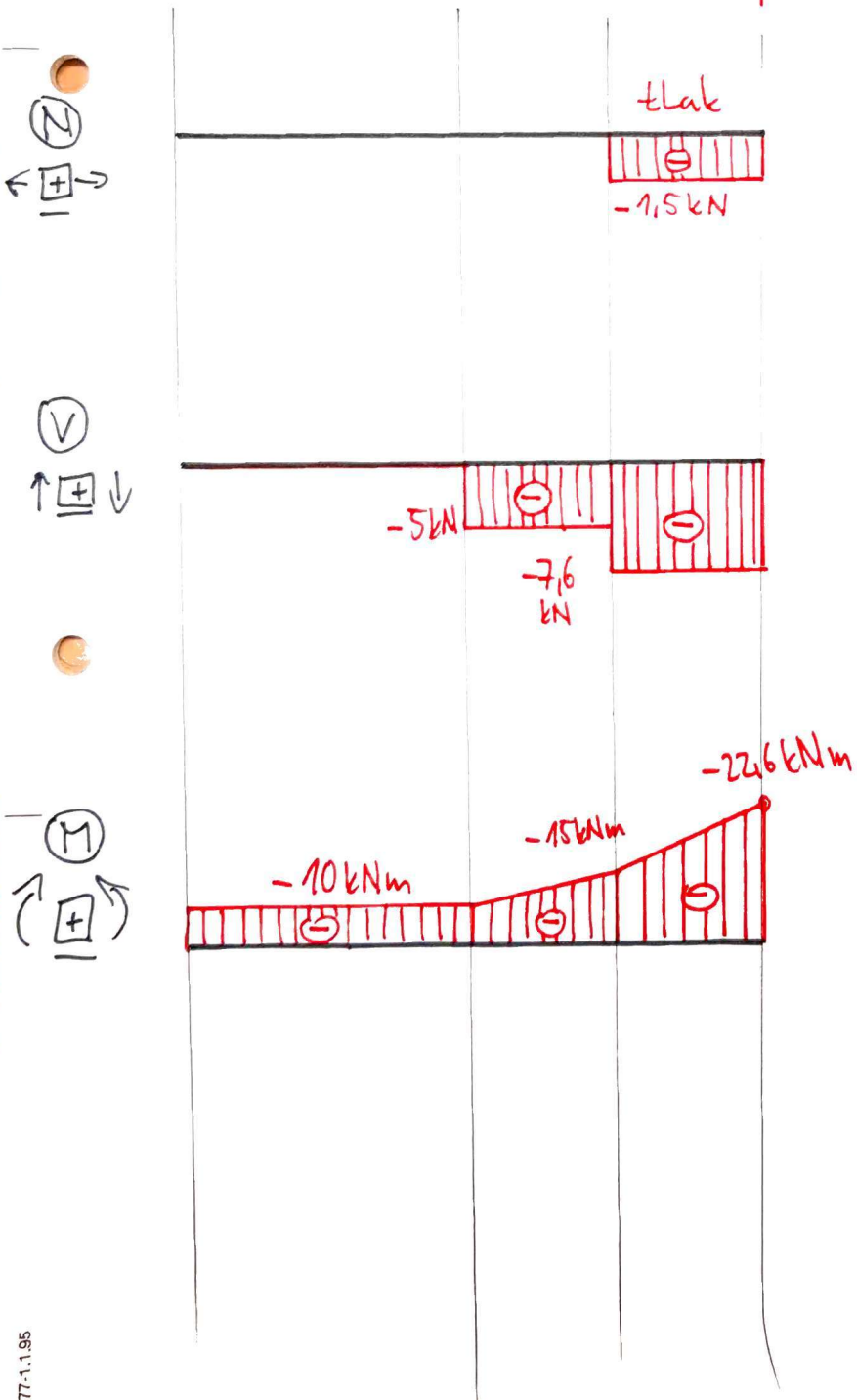
$R_{az} = 5 + 2{,}6 = 7{,}6\,kN$

$\circlearrowleft \sum M_{ia} = 0;$

$M + 5 \cdot 2 + 2{,}6 \cdot 1 + M_a = 0$

$10 + 10 + 2{,}6 + M_a = 0$

$M_a = -22{,}6\,kNm$



Kontrola: $\sum M_{ib} = 0$ $\circlearrowleft$

$M_a + R_{az} \cdot 5 - F_{2z} \cdot 4 - F_1 \cdot 3 + M = 0$

$(-22{,}6) + 7{,}6 \cdot 5 - 2{,}6 \cdot 4 - 5 \cdot 3 + 10 = 0$

$0 = 0$ ✓