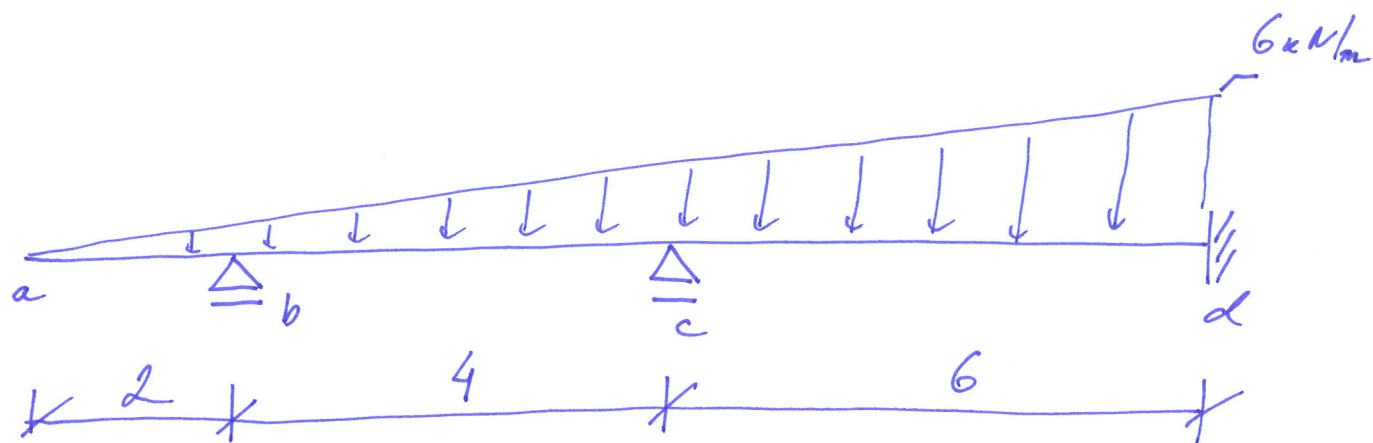
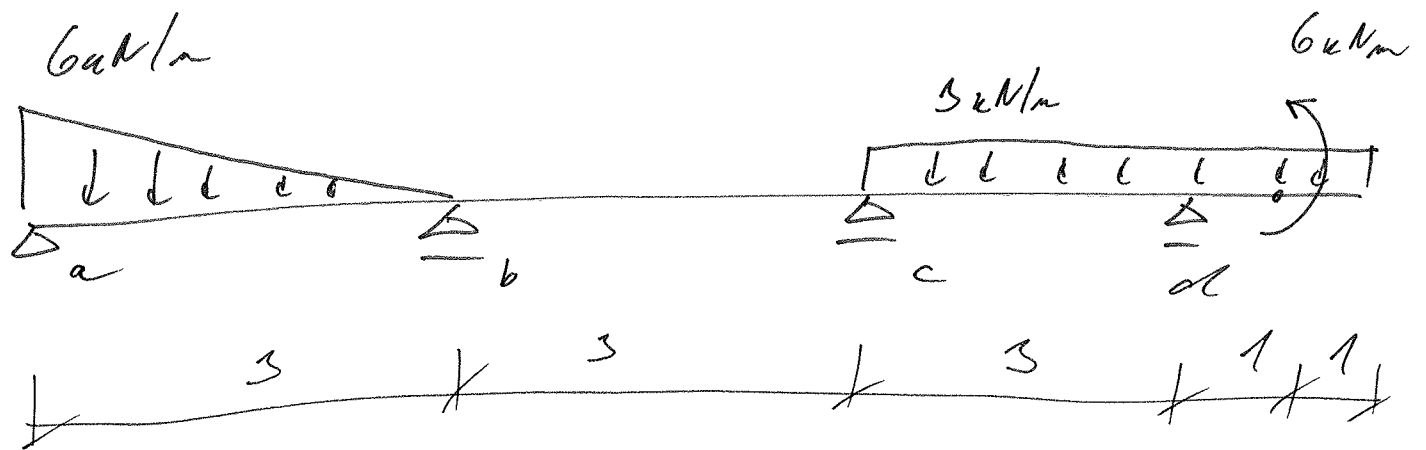


Vykreslete průběhy vnitřních sil.

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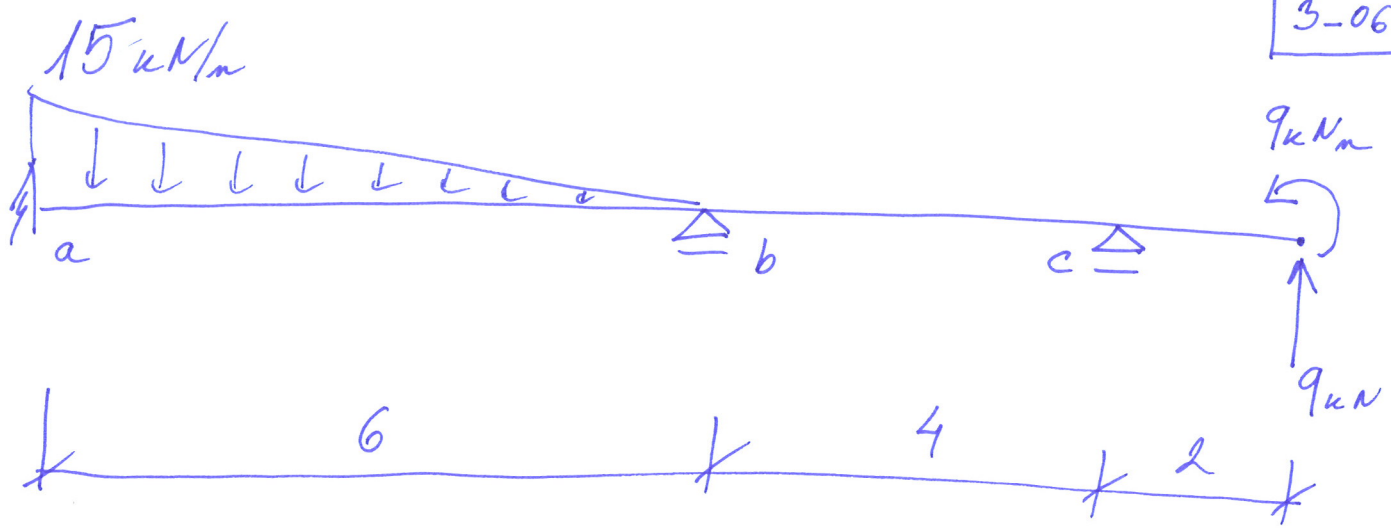


NEZNÁMÉ PODPOROVÉ MOMENTY (ZLEVA):  $-9 \text{ kNm}$   
 $-16 \text{ kNm}$

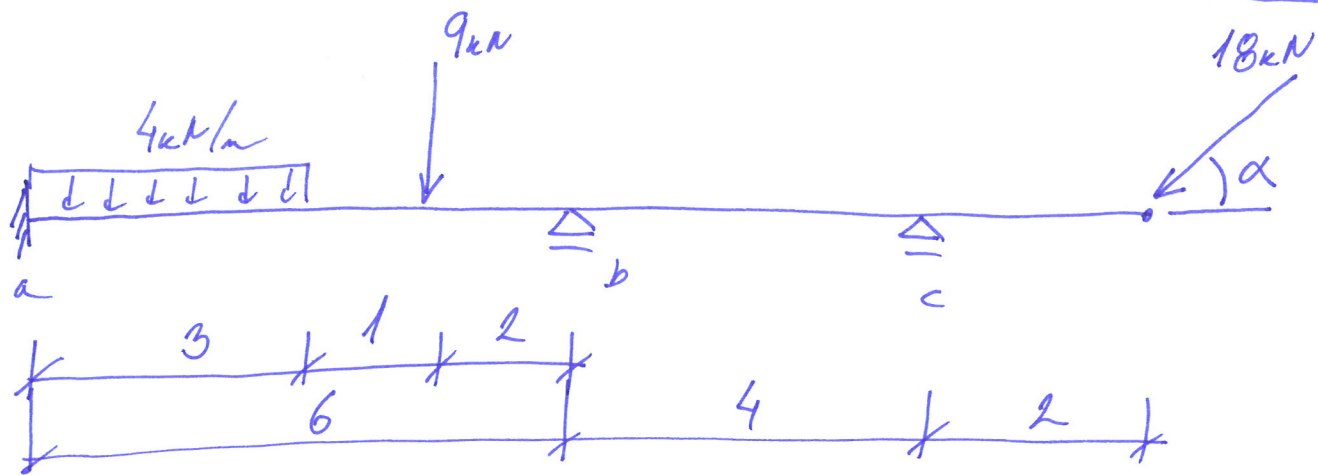


$$M_b = -1,2 \text{ kNm}$$

$$M_c = -1,5 \text{ kNm}$$



$$M_a = -28 \text{ kNm}, M_b = -16 \text{ kNm}$$



$$M_a = -18 \text{ kNm}$$

$$M_b = 0 \text{ kNm}$$

$$\alpha = 48,5904^\circ$$