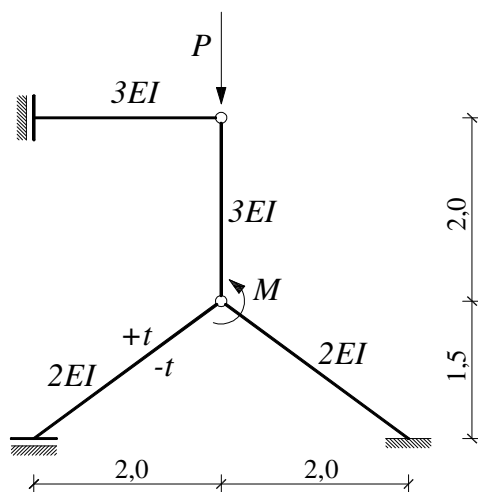


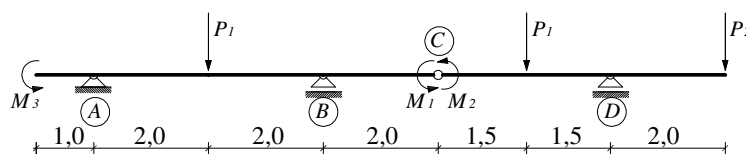
## GS 1. – 09.09.2008.

1. Metodom sila odredite  $M$  dijagram.



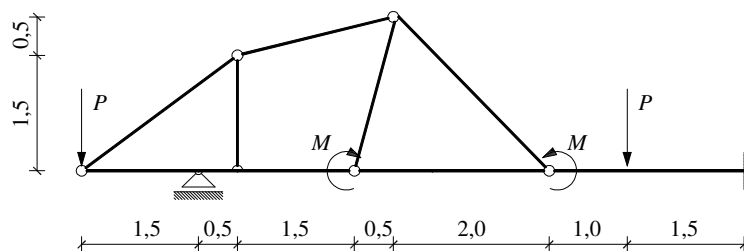
$$\begin{aligned} \pm t &= 19^\circ C \\ \alpha_t &= 10^{-5} K^{-1} \\ b/h &= 30/45 cm \\ E &= 3 \cdot 10^7 kN/m^2 \\ M &= 260 kNm \\ P &= 260 kN \end{aligned}$$

2. Nacrtajte progibnu liniju.



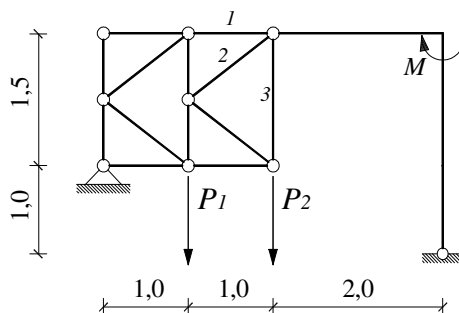
$$\begin{aligned} M_1 &= 165 kNm \\ M_2 &= 105 kNm \\ M_3 &= 175 kNm \\ P_1 &= 165 kN \\ P_2 &= 105 kN \\ EI &= 17500 kNm^2 \end{aligned}$$

3. Primjenom superpozicije nacrtajte  $M$ -dijagram.



$$\begin{aligned} M &= 256 kNm \\ P &= 200 kN \end{aligned}$$

4. Grafičkim postupkom odredite sile u štapovima 1 - 3.



$$\begin{aligned} P_1 &= 100 kN \\ P_2 &= 150 kN \\ M &= 150 kNm \end{aligned}$$