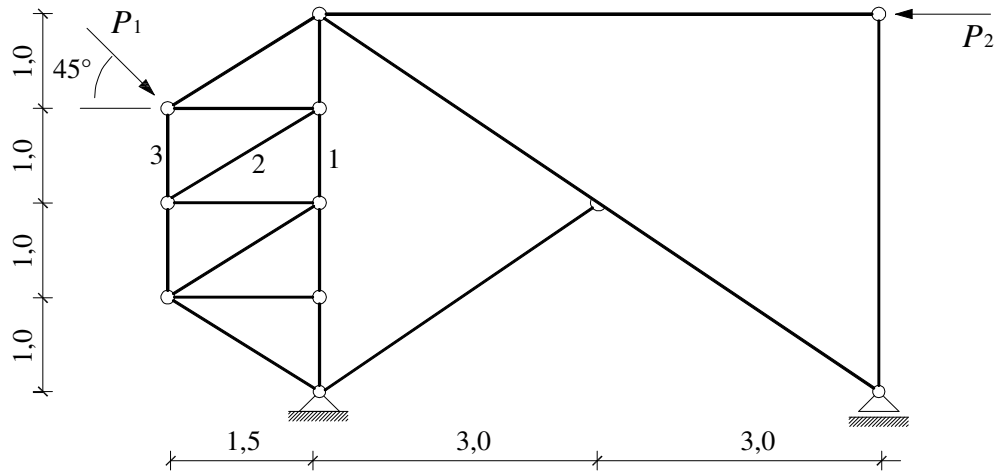


GS 1. – 15.09.2009.

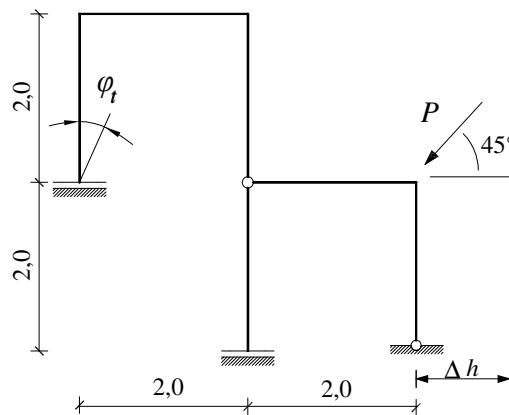
1. a) Nacrtajte M dijagram.
 b) Grafičkim postupkom odredite sile u štapovima 1 – 3.



$$P_1 = 100\sqrt{2} \text{ kN}$$

$$P_2 = 100 \text{ kN}$$

2. Primjenom metode sila nacrtajte M dijagram.



$$P = 150\sqrt{2} \text{ kN}$$

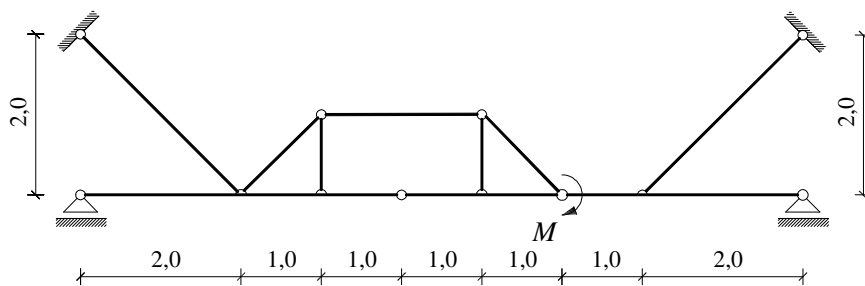
$$\varphi_t = 0,006$$

$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$b/h = 50/60 \text{ cm}$$

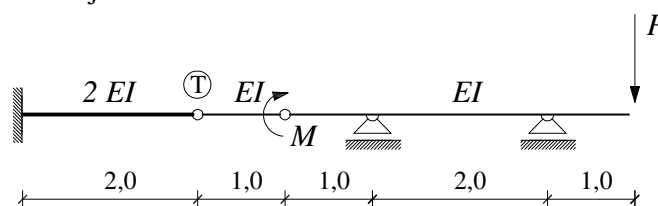
$$\Delta h = 2,0 \text{ cm}$$

3. Primjenom principa superpozicije nacrtajte M dijagram.



$$M = 100 \text{ kNm}$$

4. Nacrtajte progibnu liniju nosača.



$$M = 100 \text{ kNm}$$

$$P = 150 \text{ kN}$$

$$EI = 40\,000 \text{ kNm}^2$$