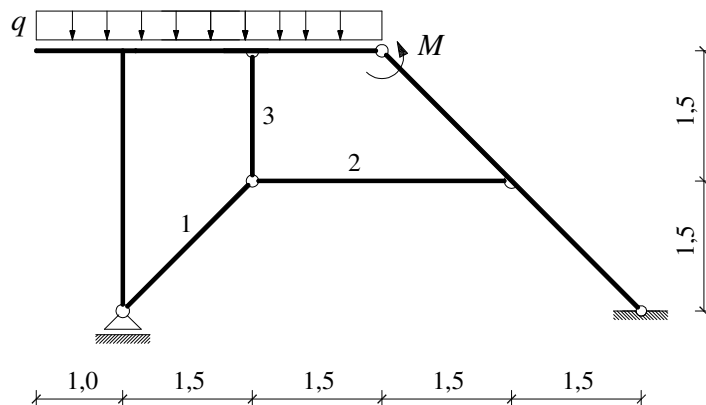


GS 1. – 26.06.2007.

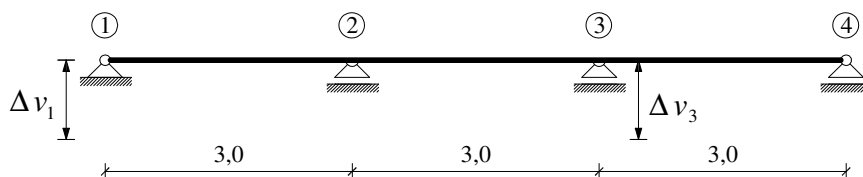
1. a) Primjenom principa superpozicije nacrtajte M dijagram.
 b) Grafičkim postupkom odredite sile u štapovima 1 – 3.



$$M = 150 \text{ kNm}$$

$$q = 40 \text{ kN/m'}$$

2. Metodom sila izračunajte momente iznad ležajeva 2 i 3.



$$\Delta v_1 = \Delta v_3 = 3,0 \text{ cm}$$

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

3. Metodom sila izračunajte horizontalni pomak točke T.

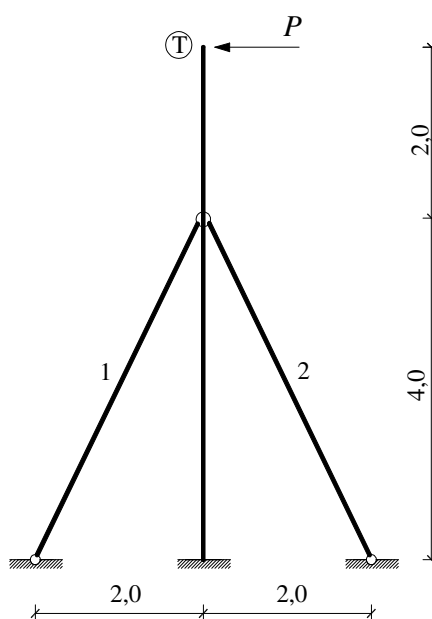
stup:
 $E = 3 \cdot 10^7 \text{ kN/m}^2$

$$b/h = 40/60 \text{ cm}$$

štapovi 1 i 2:

$$E = 2 \cdot 10^8 \text{ kN/m}^2$$

$$b/h = 8/8 \text{ cm}$$



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