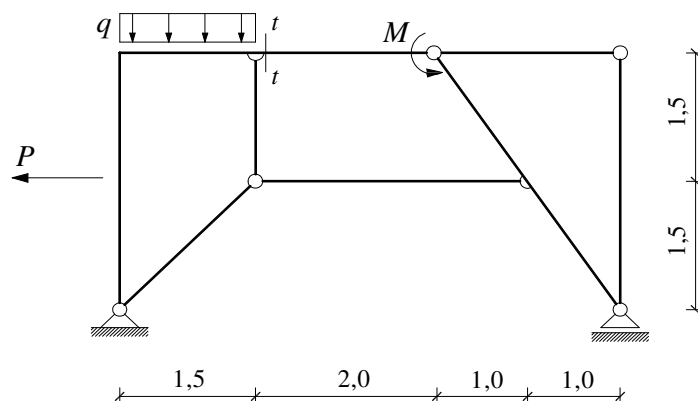


GS 1. – 26.08.2008.

1. a) Grafičkim postupkom odredite sile u poprečnom presjeku $t - t$.
 b) Nacrtajte M dijagram.

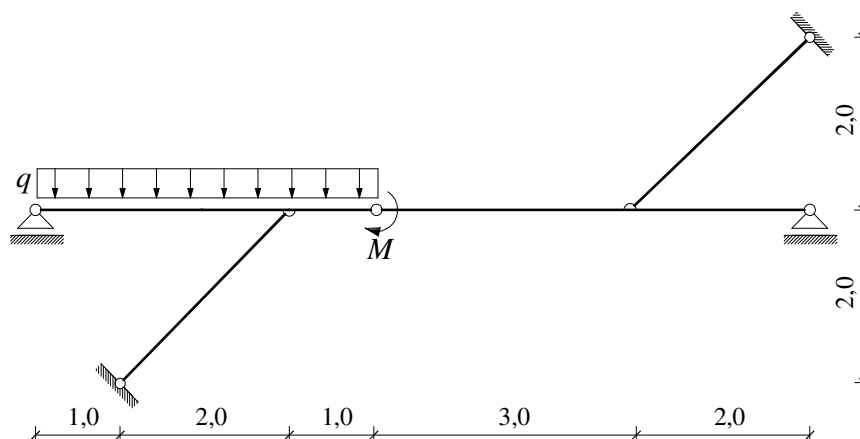


$$P = 120 \text{ kN}$$

$$q = 50 \text{ kN/m'}$$

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

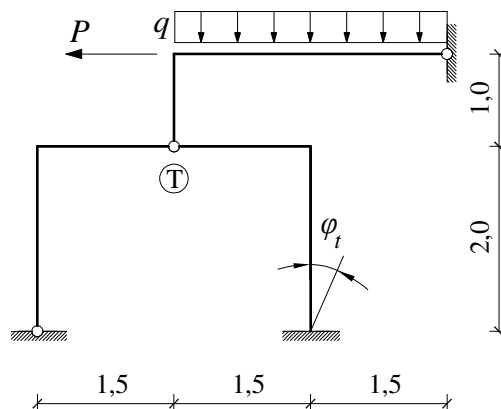
2. Primjenom principa superpozicije nacrtajte M dijagram.



$$q = 30 \text{ kN/m'}$$

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

3. a) Primjenom metode sila nacrtajte M dijagram.
 b) Odredite vertikalni pomak točke T.



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

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

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

$$b/h = 30/50 \text{ cm}$$

$$\varphi_t = 0,006$$