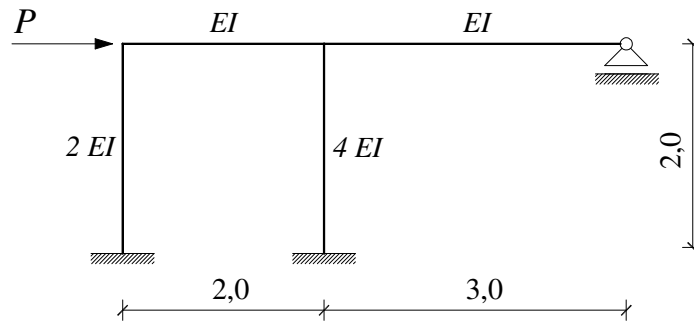


## GS 2. – 09.09.2008.

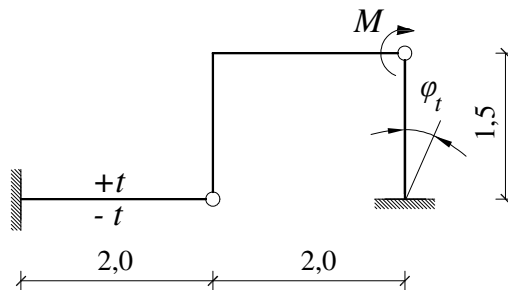
1. Primjenom metode relaksacije nacrtajte  $M$  dijagram.



$$P = 200 \text{ kN}$$

$$EI = 150\,000 \text{ kNm}^2$$

2. Primjenom metode pomaka nacrtajte  $M$  dijagram.



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

$$\varphi_t = 0,0005$$

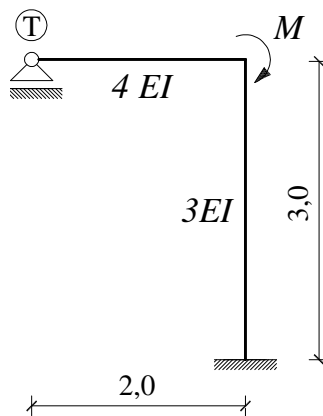
$$t = 10 \text{ }^\circ\text{C}$$

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

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

$$\alpha_t = 10^{-5} \text{ K}^{-1}$$

3. Primjenom metode pomaka izračunajte horizontalni pomak točke **T**.



$$M = 140 \text{ kNm}$$

$$EI = 150\,000 \text{ kNm}^2$$

4. Nacrtajte utjecajnu liniju za moment lijevo od ležaja **B**.

