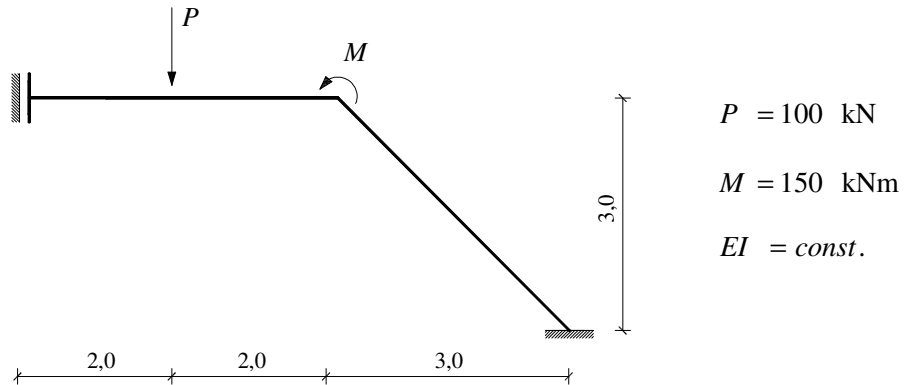
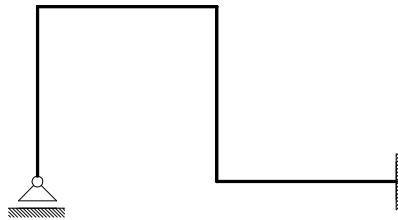


## GS 2. – 1. kolokvij (A) (2007./2008.)

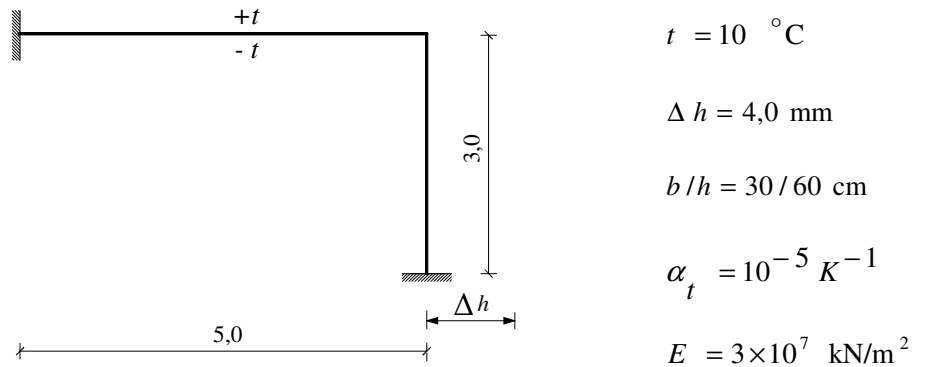
1. (30) Inženjerskom metodom pomaka nacrtajte  $M$  dijagram.



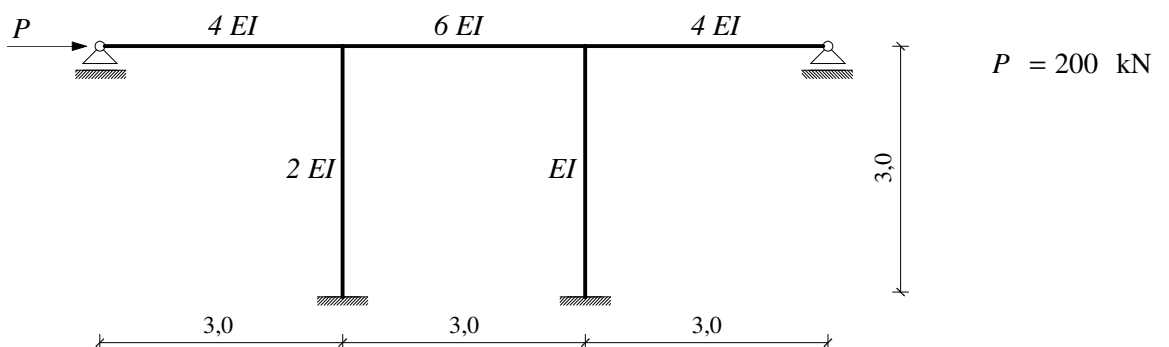
2. (20) Navedite nepoznanice za inženjersku metodu pomaka i skicirajte planove pomaka ili dijagrame projekcija pomaka pripadne zglobne sheme.



3. (20) Relaksacijskim postupkom nacrtajte  $M$  dijagram.

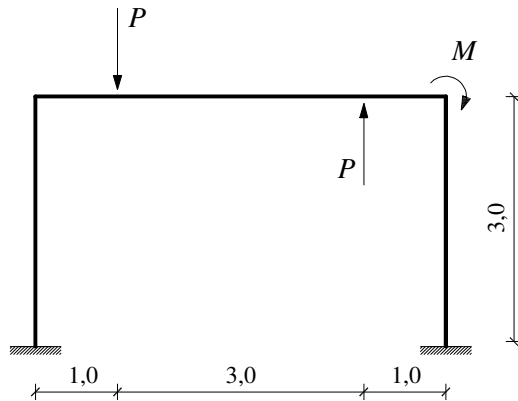


4. (30) Relaksacijskim postupkom nacrtajte  $M$  dijagram.



## GS 2. – 1. kolokvij (B) (2007./2008.)

1. (35) Inženjerskom metodom pomaka primjenom simetrije/antimetrije nacrtajte  $M$  dijagram.

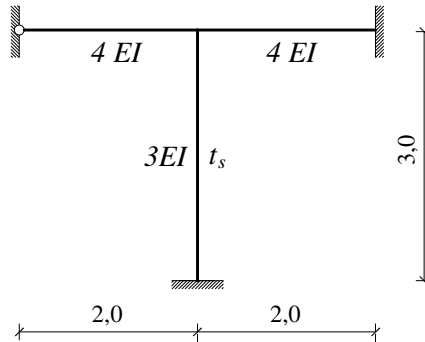


$$P = 100 \text{ kN}$$

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

$$EI = \text{const.}$$

2. (15) Inženjerskom metodom pomaka nacrtajte  $M$  dijagram.

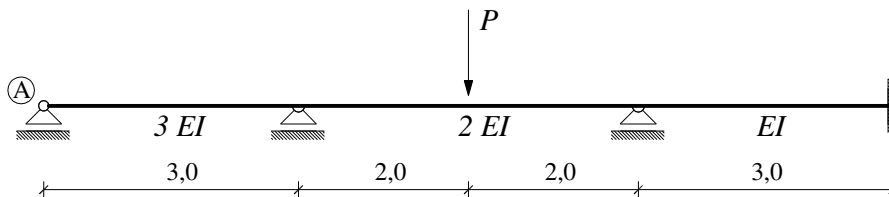


$$t_s = 10 \text{ }^\circ\text{C}$$

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

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

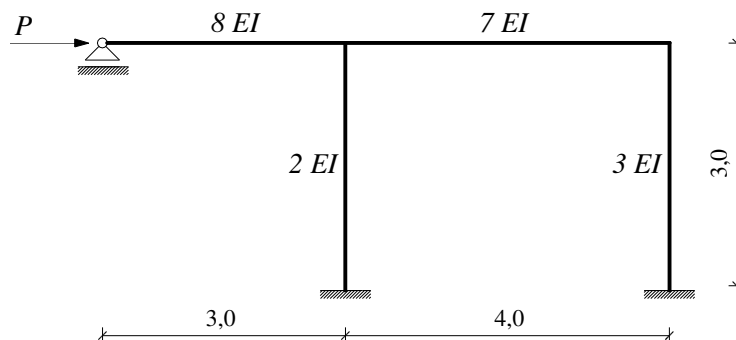
3. (25) Relaksacijskim postupkom izračunajte kut zaokreta osi neposredno desno od točke A.



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

$$EI = 75\,000 \text{ kNm}^2$$

4. (25) Relaksacijskim postupkom nacrtajte  $M$  dijagram.



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