

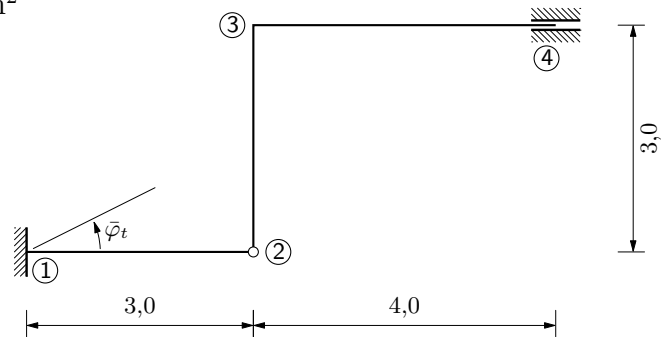
GS 2. — 2. kolokvij (A) (2005./2006.)

1. (40) Nacrtajte momentni dijagram.

$$\bar{\varphi}_t = 2 \cdot 10^{-4}$$

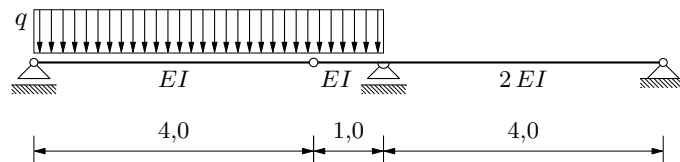
$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$b/h = 50/50 \text{ [cm]}$$



2. (20) Nacrtajte M i T dijagrame. (Zadatak treba riješiti metodom pomaka!)

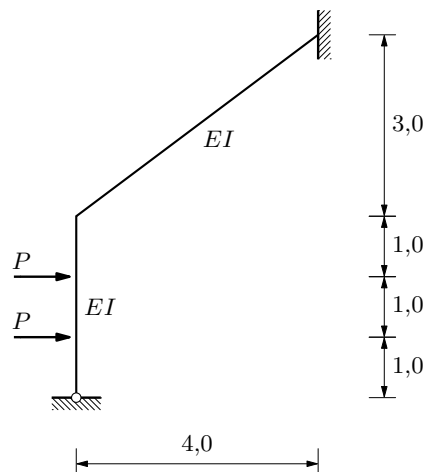
$$q = 25 \text{ kN/m'}$$



3. (10) Navedite svojstva matrice krutosti štapa u općoj metodi pomaka.

4. (10) Nacrtajte dijagram momenata.

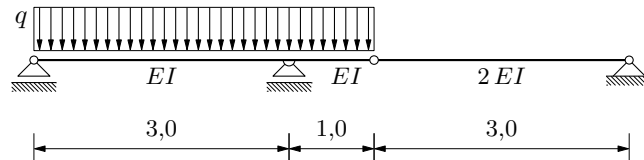
$$P = 50 \text{ kN}$$



GS 2. — 2. kolokvij (B) (2005./2006.)

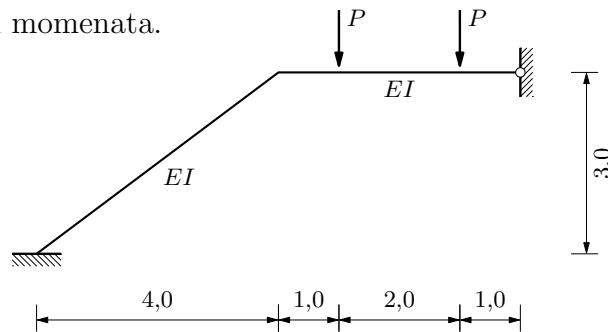
1. (20) Nacrtajte M i T dijagrame. (Zadatak treba riješiti metodom pomaka!)

$$q = 25 \text{ kN/m'}$$



2. (10) Nacrtajte dijagram momenata.

$$P = 50 \text{ kN}$$

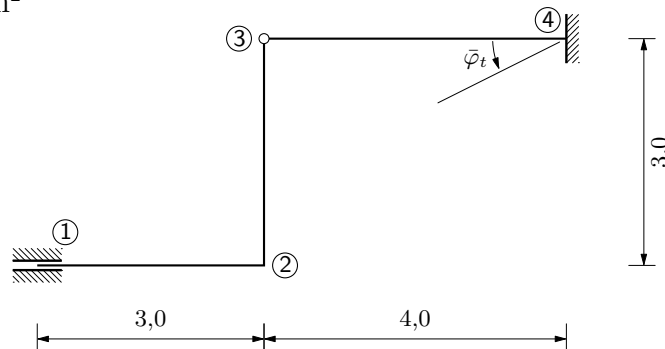


3. (40) Nacrtajte momentni dijagram.

$$\bar{\varphi}_t = 2 \cdot 10^{-4}$$

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

$$b/h = 50/50 \text{ [cm]}$$



4. (10) Što je statička, a što kinematička kondenzacija?

GS 2. — 2. kolokvij (C) (2005./2006.)

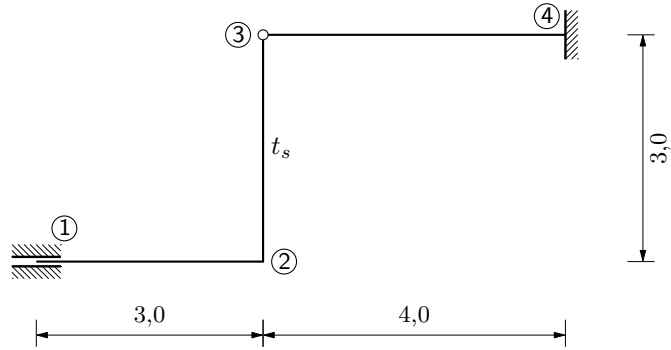
1. (40) Nacrtajte momentni dijagram.

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

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

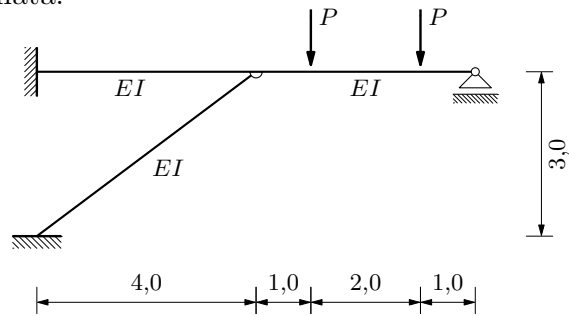
$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$b/h = 50/50 \text{ [cm]}$$



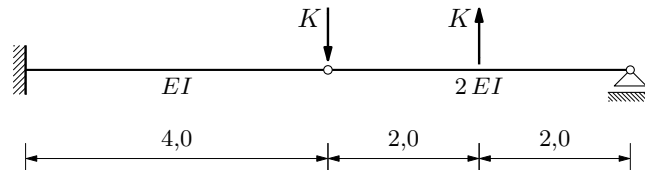
2. (10) Nacrtajte dijagram momenata.

$$P = 50 \text{ kN}$$

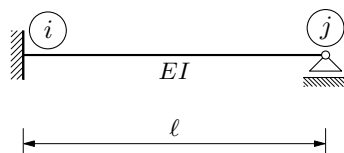


3. (15) Nacrtajte M i T dijagrame. (Zadatak treba riješiti metodom pomaka!)

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



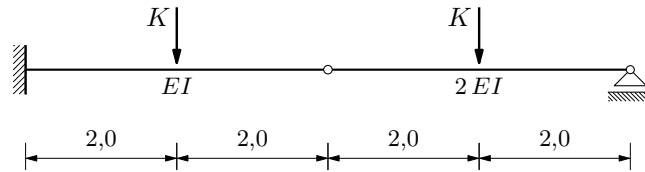
4. (15) Iz poznatih izraza za momente na krajevima obostrano upete grede statičkom kondenzacijom izvedite izraz za moment na kraju i jednostrano upete grede.



GS 2. — 2. kolokvij (D) (2005./2006.)

1. (15) Nacrtajte M i T dijagrame. (Zadatak treba riješiti metodom pomaka!)

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



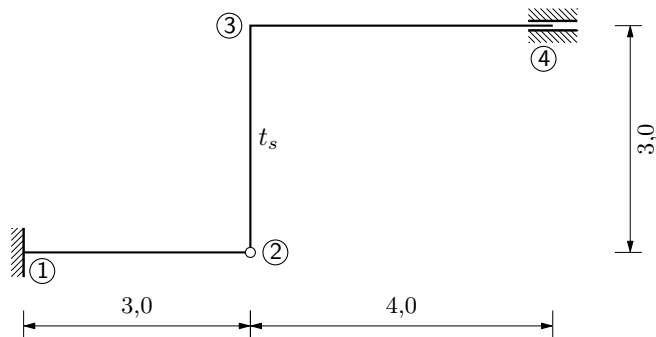
2. (40) Nacrtajte momentni dijagram.

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

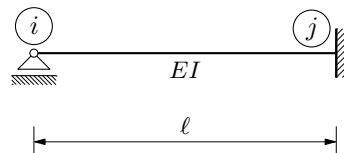
$$\alpha_t = 1 \cdot 10^{-5} \text{ K}^{-1}$$

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

$$b/h = 50/50 \text{ [cm]}$$



3. (15) Iz poznatih izraza za momente na krajevima obostrano upete grede statičkom kondenzacijom izvedite izraz za moment na kraju j jednostrano upete grede.



4. (10) Nacrtajte dijagram momenata.

$$P = 50 \text{ kN}$$

