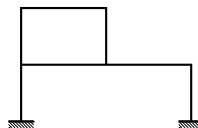


# GS 1. — 2. kolokvij (A) (2003./2004.)

1. (5) Odrediti stupanj statičke neodređenosti.

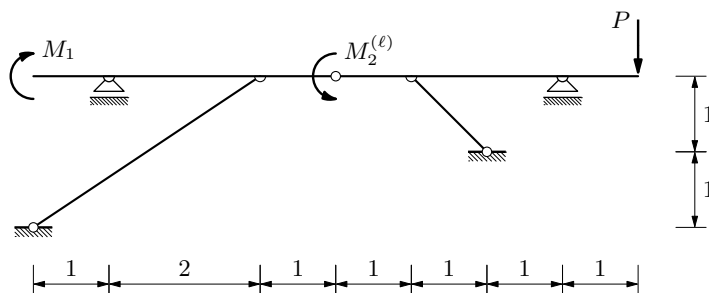


2. (25) Grafoanalitičkim postupkom nacrtati dijagram momenata.

$$M_1 = 50 \text{ [kNm]}$$

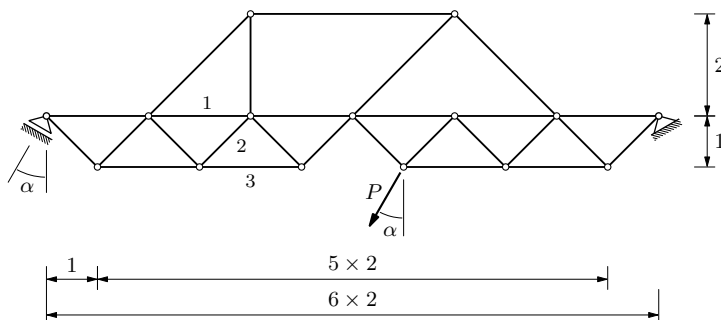
$$M_2^{(\ell)} = 100 \text{ [kNm]}$$

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



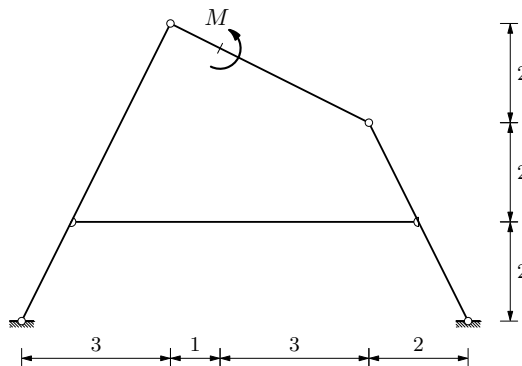
3. (20) Grafičkim postupkom odrediti sile u štapovima 1, 2 i 3.

$$\alpha = 30^\circ, \quad P = 100 \text{ [kN]}$$



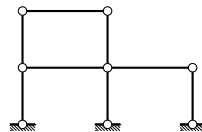
4. (30) Analitičkim postupkom nacrtati dijagram momenata.

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



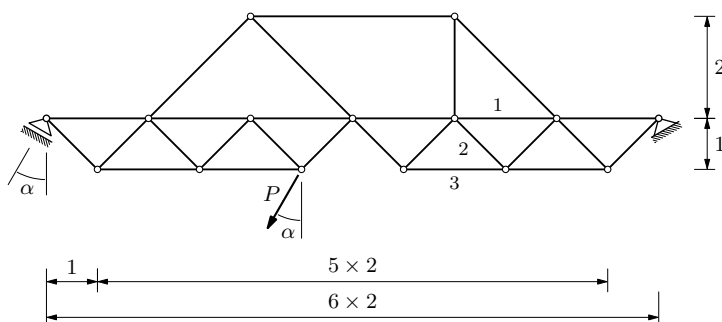
# GS 1. — 2. kolokvij (B) (2003./2004.)

1. (5) Odrediti broj stupnjeva slobode.



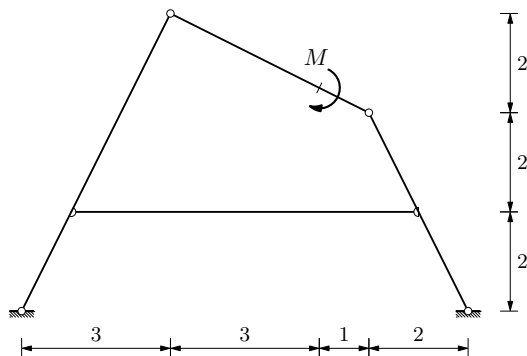
2. (20) Grafičkim postupkom odrediti sile u štapovima 1, 2 i 3.

$$\alpha = 30^\circ, \quad P = 100 \text{ [kN]}$$



3. (30) Analitičkim postupkom nacrtati dijagram momenata.

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

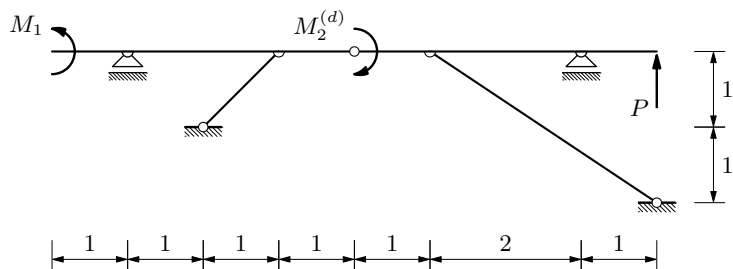


4. (25) Grafoanalitičkim postupkom nacrtati dijagram momenata.

$$M_1 = 50 \text{ [kNm]}$$

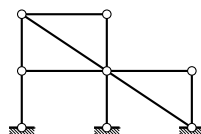
$$M_2^{(d)} = 100 \text{ [kNm]}$$

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



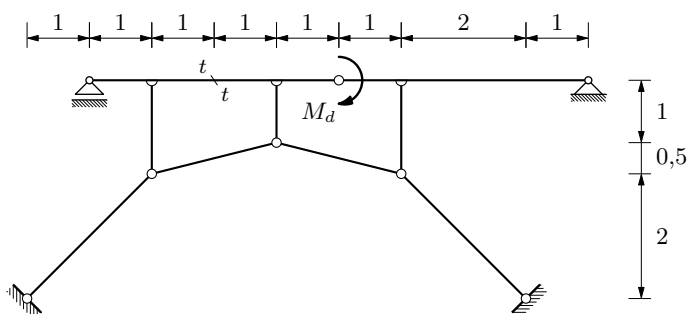
# GS 1. — 2. kolokvij (C) (2003./2004.)

1. (10) Odrediti broj stupnjeva slobode. Može li sistem preuzeti bilo koje opterećenje? Zašto?



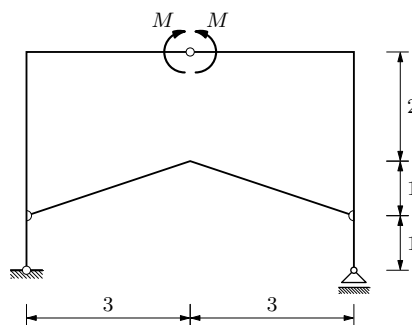
2. (25) Grafičkim postupkom odrediti sile u presjeku  $t-t$ .

$$M_d = 100 \text{ [kNm]}$$



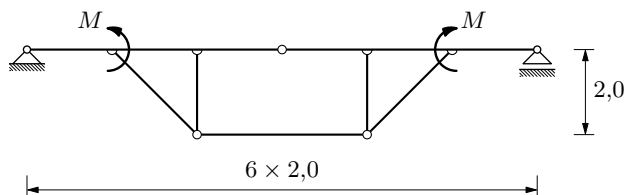
3. (25) Analitičkim postupkom nacrtati dijagram momenata.

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



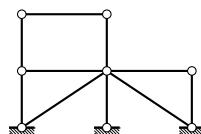
4. (20) Grafoanalitičkim postupkom nacrtati dijagram momenata.

$$M = 50 \text{ [kNm]}$$



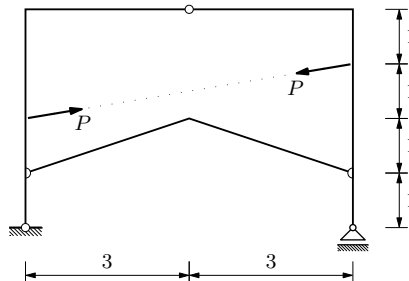
# GS 1. — 2. kolokvij (D) (2003./2004.)

1. (10) Odrediti broj stupnjeva slobode. Može li sistem preuzeti bilo koje opterećenje? Zašto?



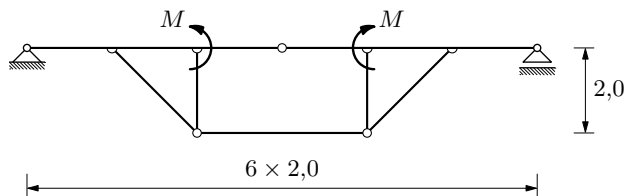
2. (25) Analitičkim postupkom nacrtati dijagram momenata.

$$P_x = 60 \text{ [kN]}, \quad P_y = 10 \text{ [kN]}$$



3. (20) Grafoanalitičkim postupkom nacrtati dijagram momenata.

$$M = 50 \text{ [kNm]}$$



4. (25) Grafičkim postupkom odrediti sile u presjeku  $t-t$ .

$$M_d = 100 \text{ [kNm]}$$

