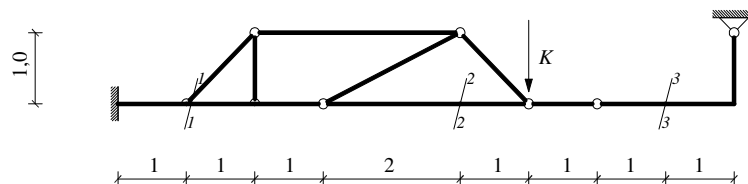


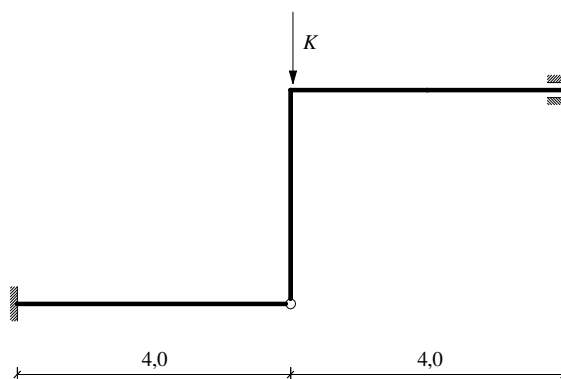
GS 1. – 6.09.2011.

1. Grafičkim postupkom odredite sile u presjecima 1-1, 2-2, 3-3.



$$K = 160 \text{ kN}$$

2. Metodom sila odredite dijagram momenata savijanja.

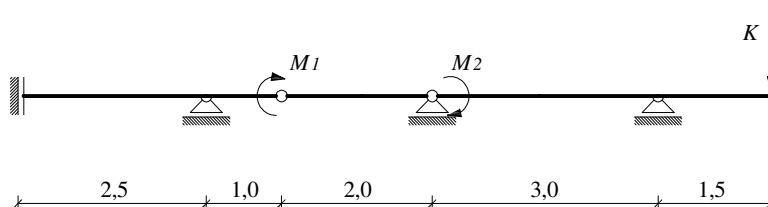


$$K = 75 \text{ kN}$$

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

$$\frac{b}{h} = \frac{36}{72} [\text{cm}]$$

3. Superpozicijskim postupkom odredite dijagram momenata savijanja. Pomoću diferencijalnog odnosa odredite dijagram poprečnih sila.

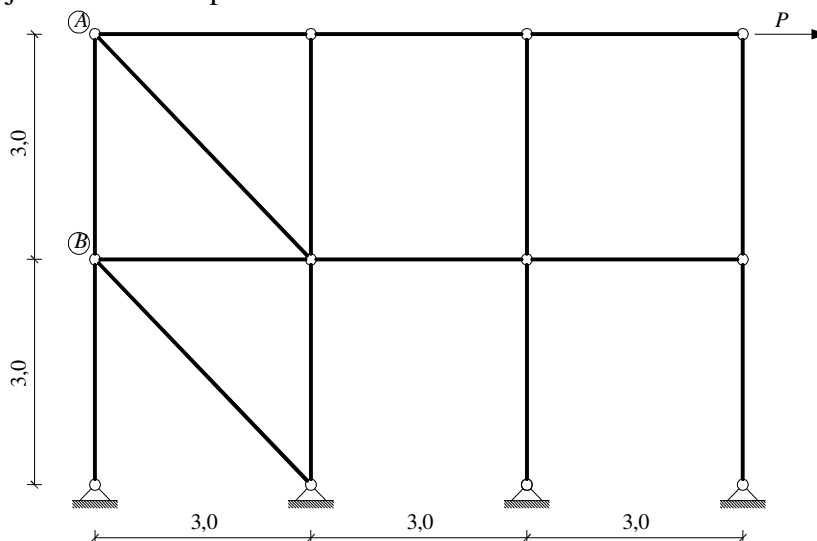


$$M_1 = 100 \text{ kNm}$$

$$M_2 = 145 \text{ kNm}$$

$$K = 195 \text{ kN}$$

4. Izračunajte horizontalni pomak točkaka A i B.



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

$$\frac{b}{h} = \frac{15}{15} [\text{cm}]$$

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