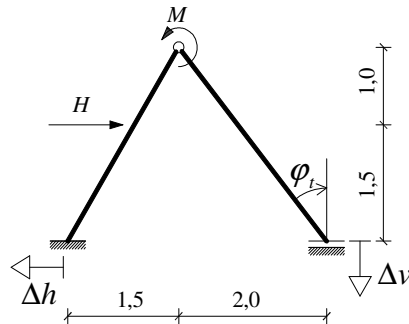


GS 1. – 28.06.2011.

1. Metodom sila odredite dijagram momenata savijanja.



$$M = 160 \text{ kNm}$$

$$H = 120 \text{ kN}$$

$$\frac{b}{h} = \frac{30}{30} [\text{cm}]$$

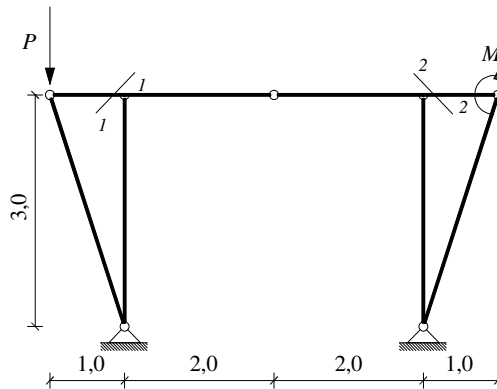
$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$\Delta h = 1 \text{ cm}$$

$$\Delta v = 1,3 \text{ cm}$$

$$\varphi_t = 0,003 \text{ rad}$$

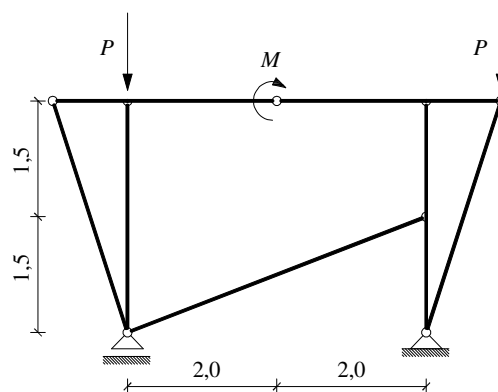
2. Grafičkim postupkom odredite sile u presjecima 1-1 i 2-2..



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

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

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



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

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

4. Za statički sustav iz zadatka 1. odredite horizontalni pomak kliznog ležaja.