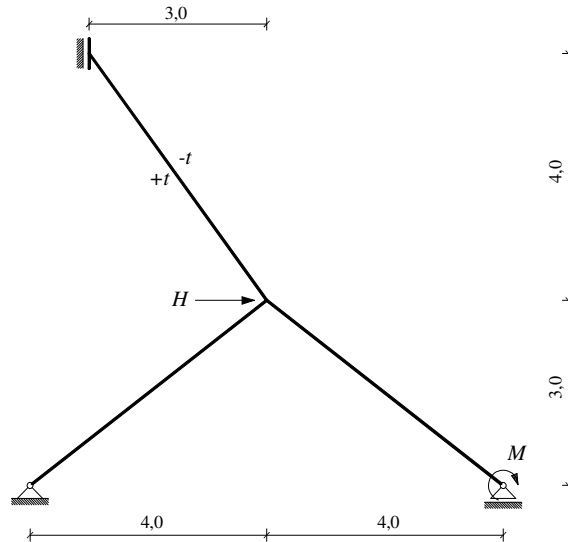


GS 2. – 17.06.2008.

1. **Metoda pomaka:** nacrtajte momentni dijagram.



$$H = 145 \text{ kN}$$

$$t = 14^\circ \text{ C}$$

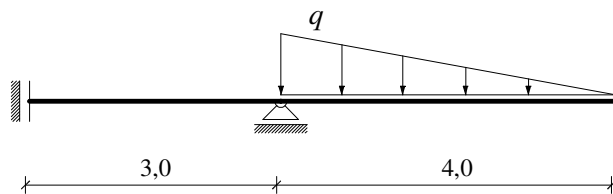
$$EI = 145000 \text{ kNm}^2$$

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

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

$$h = 45 \text{ cm}$$

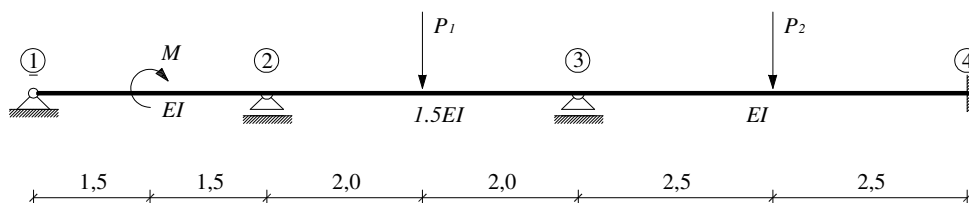
2. **Metoda relaksacije:** nacrtajte momentni dijagram.



$$q = 34 \text{ kN/m}$$

$$EI = 134\,000 \text{ kNm}^2$$

3. **Metoda sila:** pomoću utjecajne linije odredite vrijednost momenta na ležaju 4.



$$M = 170 \text{ kNm}$$

$$P_1 = 150 \text{ kN}$$

$$P_2 = 175 \text{ kN}$$

$$EI = 40\,000 \text{ kNm}^2$$