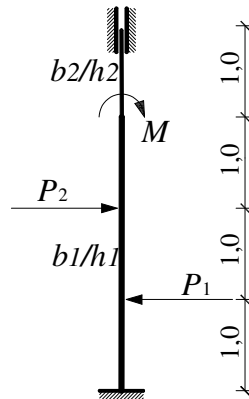


GS 2. – 26.08.2008.

1. Primjenom metode relaksacije nacrtajte M dijagram.



$$P_1 = 200 \text{ kN}$$

$$P_2 = 150 \text{ kN}$$

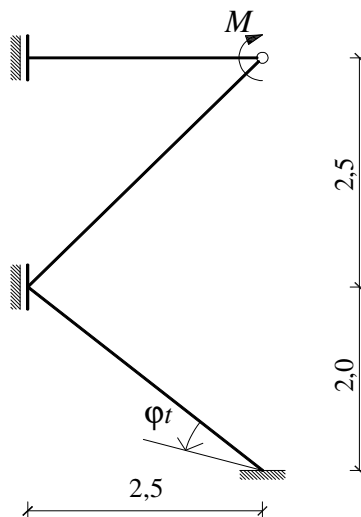
$$M = 250 \text{ kNm}$$

$$\frac{b_2}{h_2} = \frac{25 \text{ cm}}{40 \text{ cm}}$$

$$\frac{b_1}{h_1} = \frac{30 \text{ cm}}{45 \text{ cm}}$$

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

2. Primjenom metode pomaka nacrtajte M dijagram.



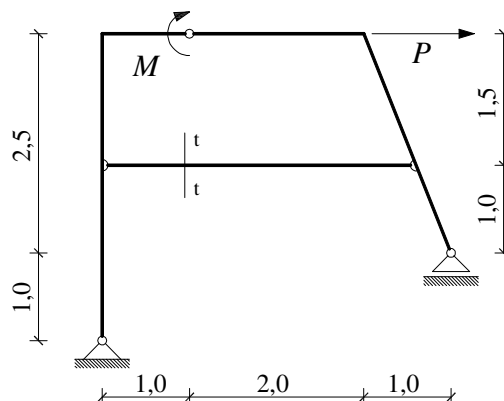
$$\varphi_t = 0.0052$$

$$b/h = 30/45 \text{ cm}$$

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

$$M = 272 \text{ kNm}$$

3. Pomoću utjecajne linije odredite vrijednost sile u zadanom presjeku $t-t$.



$$EA = \text{const.}$$

$$EI = \text{const.}$$

$$GA = \text{const.}$$

$$M = 185 \text{ kNm}$$

$$P = 132 \text{ kN}$$