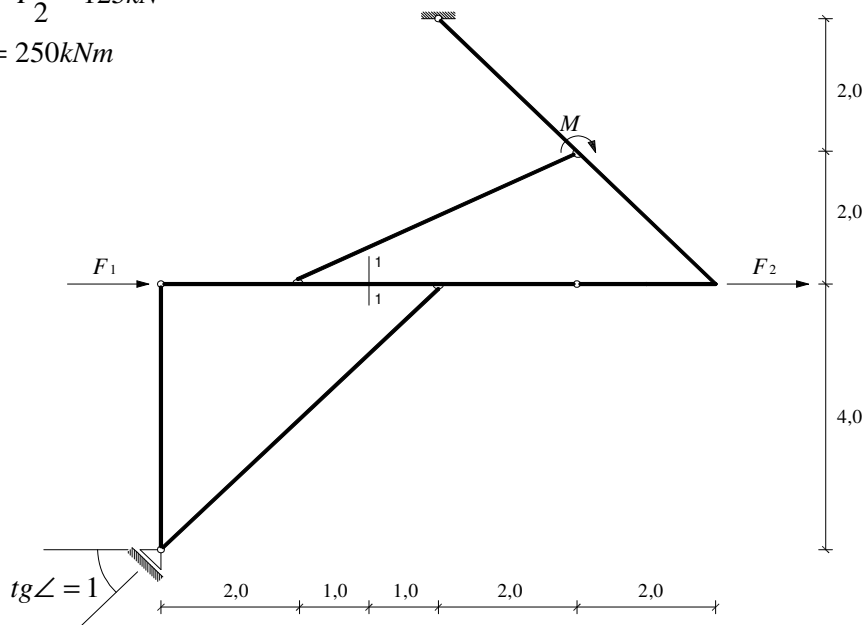


## GS 1. – 16.02.2010.

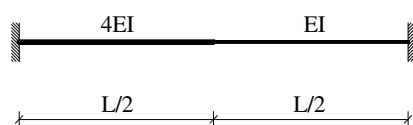
1. Grafičkim postupkom odredite sile u zadanom presjeku.

$$F_1 = F_2 = 125 \text{ kN}$$

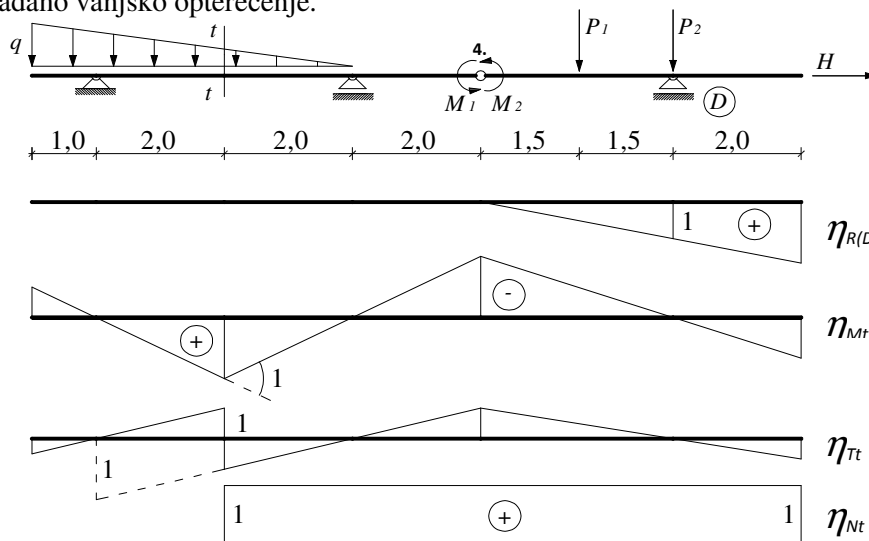
$$M = 250 \text{ kNm}$$



2. Metodom sila odredite koeficijent  $k_{35}$  matrice krutosti štapa.



3. Pomoću utjecajnih linija za reakciju ležaja D i sile u presjeku t-t odredite njihove veličine za zadanu vanjsko opterećenje.



$$M_1 = 165 \text{ kNm}$$

$$M_2 = 105 \text{ kNm}$$

$$q = 46 \text{ kN/m}$$

$$P_1 = 165 \text{ kN}$$

$$P_2 = 105 \text{ kN}$$

$$H = 98 \text{ kN}$$