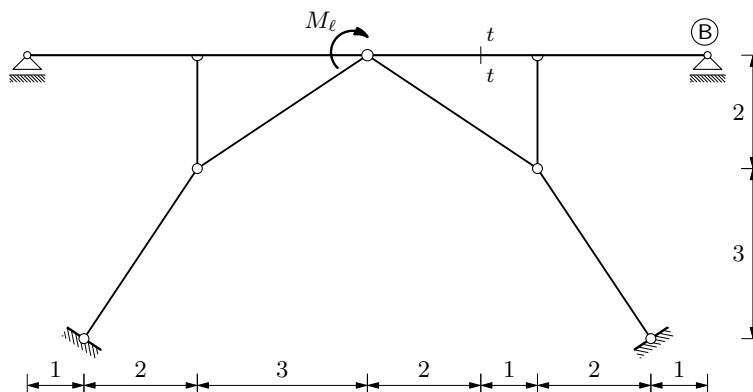


GS 1. — 24. lipnja 2004.

1. a) Grafoanalitičkim postupkom nacrtati dijagram momenata.
- b) Grafičkim postupkom odrediti sile u presjeku $t-t$.
- c) Pomoću utjecajnih linija izračunati reakciju B te M_{t-t} i T_{t-t} .

$$M_\ell = 50 \text{ [kNm]}$$



2. Za zadanu prostornu rešetku izračunati reakcije ($A_x, A_y, A_z, B_y, B_z, C_z$) i sile u štapovima C-A, C-B i C-D.

$$A (0, 0, 0)$$

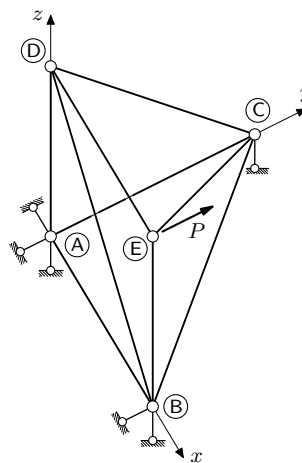
$$B (5, 0, 0)$$

$$C (0, 5, 0)$$

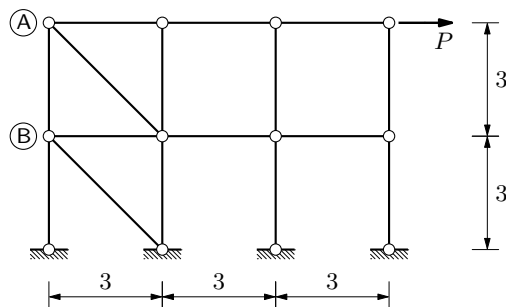
$$D (0, 0, 5)$$

$$E (5, 0, 5)$$

$$\vec{P} = 100 \vec{j} \text{ [kN]}$$



- 3.



Izračunati vertikalni pomak točke A i horizontalni pomak točke B.

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

$$E = 2 \cdot 10^8 \text{ [kN/m}^2\text{]}$$

$$b/h = 5/5 \text{ [cm]}$$