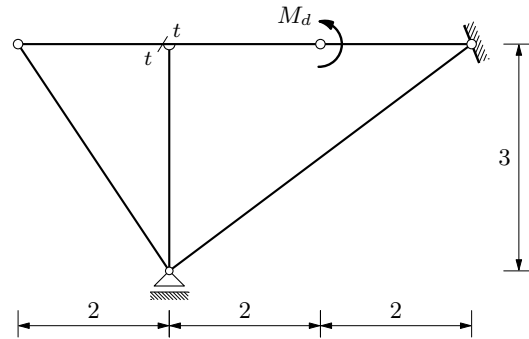


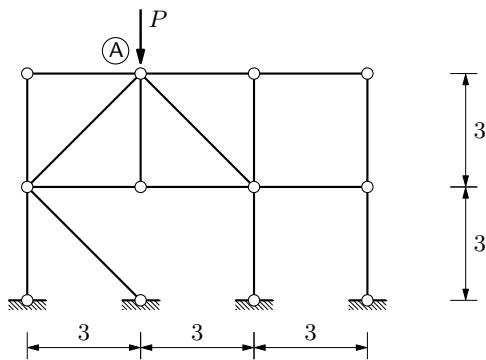
GS 1. — 8. srpnja 2004.

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

$$M_d = 50 \text{ [kNm]}$$



2.



Izračunati horizontalni pomak točke A.

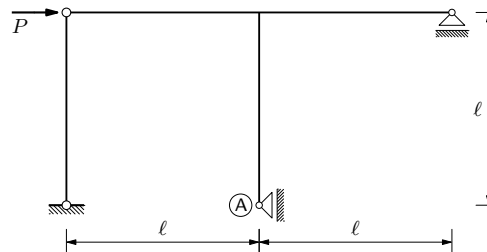
$$P = 100 \text{ [kN]}$$

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

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

3. Izračunati pomak točke A.

$$EI = \text{const}$$



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

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

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

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

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

$$E (2,5; 2,5; 5)$$

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

