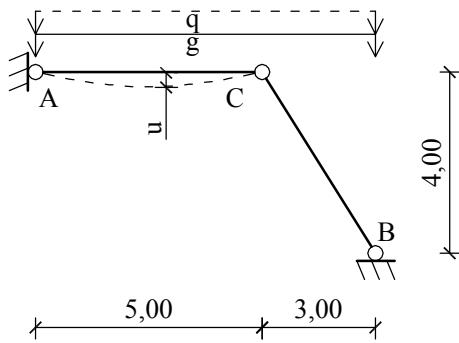


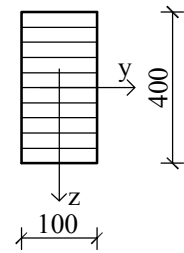
TIMBER STRUCTURES - HOMEWORK 3. - deadline: 11.05.2012.



$$g_k = 4,0 \text{ kN/m}$$

$$q_k = 2,5 \text{ kN/m}$$

cross-section AC:



GL24c material, 2nd service class, medium-term load.

- Draw N, V, M diagrams! [1 p]
- Check beam AC! All joints are supported laterally. [2 p]
- Calculate the final deflection of beam AC (u_{fin})! Check it for the condition $l/200$! $\psi_2 = 0,6$. [2 p]