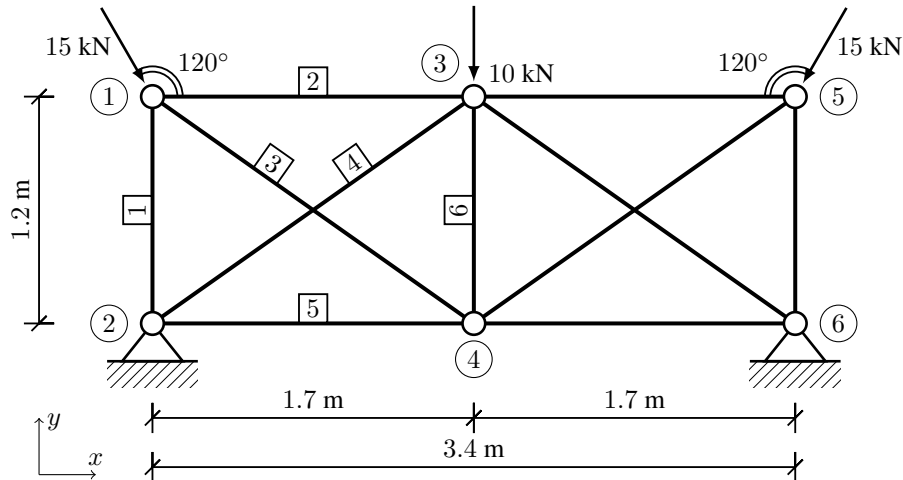# Homework 1: 2D Truss Structure

Modify the MATLAB/OCTAVE code given in the lecture to compute *displacements* of the nodes ①–④, and *stresses* in the bars ⬚1–⬚6. Take advantage of the structural *symmetry*. For verification purposes, *check equilibrium* in the node ②. Once finished, rename the code file to `01_YOURSURNAME.m` and send it to marek.tyburec@fsv.cvut.cz.

$$E = 210 \text{ GPa}$$
$$A^{(1)} = A^{(2)} = A^{(5)} = A^{(6)} = 600 \text{ mm}^2$$
$$A^{(3)} = A^{(4)} = 300 \text{ mm}^2$$