

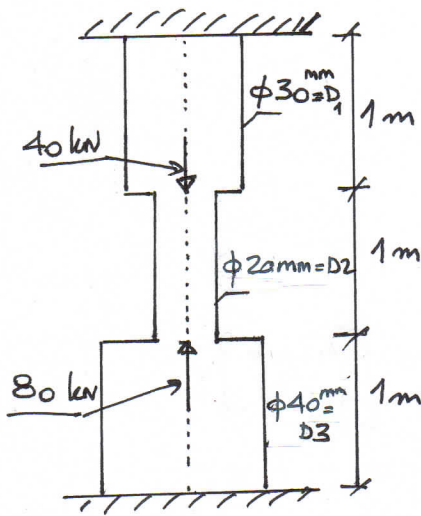
# FINITE ELEMENT METHOD

## HOME WORK 3

Determine the displacements, strains and stresses for the uniaxial stress system given in Figure in the given cases in the following:

- for the given loads,
- In case only the middle element is heated to  $40^{\circ}\text{C}$ .

$$\alpha_t = 10^{-5} (\text{m/m}^{\circ}\text{C}), E = 2 \cdot 10^5 \text{ MPa}$$



Submittal date: 21.03.2018