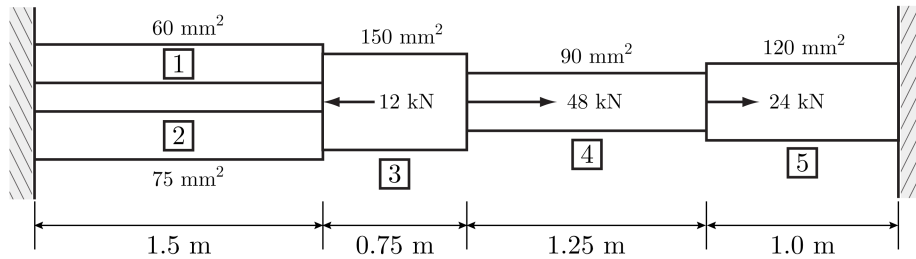


## CE 325 Spring 2026 HW#5

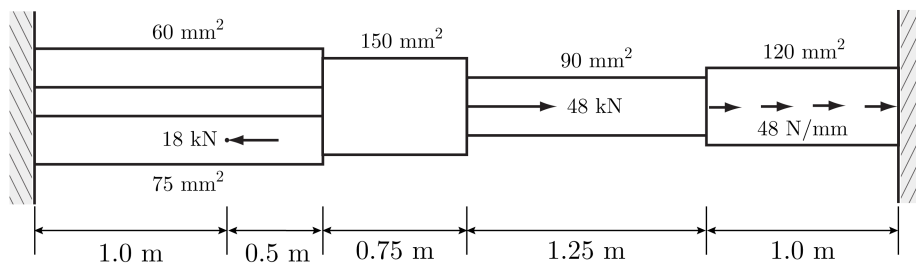
Due Thursday, March 12, at the beginning of class

1. For the uniaxial structure shown below determine joint displacements, member end forces along with axial force diagram, and external reactions using:
  - a. (5 pts) Python
  - b. (5 pts) SAP2000



$E = 20 \text{ GPa}$  for all members

2. For the uniaxial structure shown below determine joint displacements, member end forces along with axial force diagram, and external reactions using:
  - a. (10 pts) By Hand
  - b. (5 pts) Python
  - c. (5 pts) SAP2000



$E = 20 \text{ GPa}$  for all members