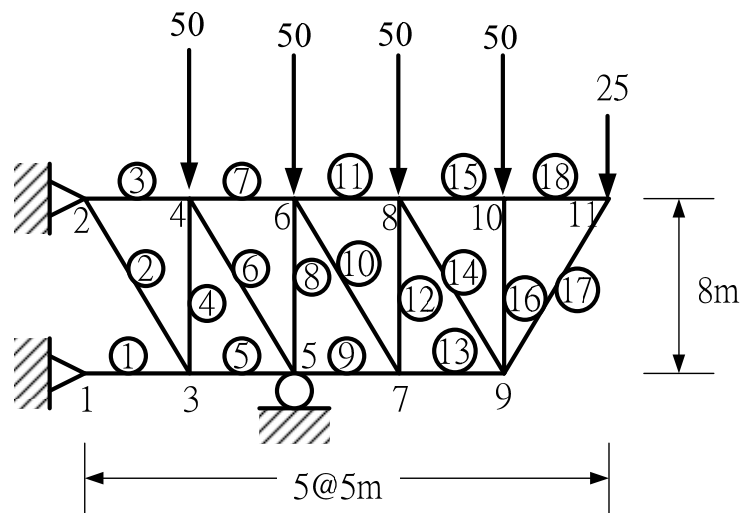


Suggested units in the input files: kN and mm.

Prob. 1 2D truss (the unit of force is kN)



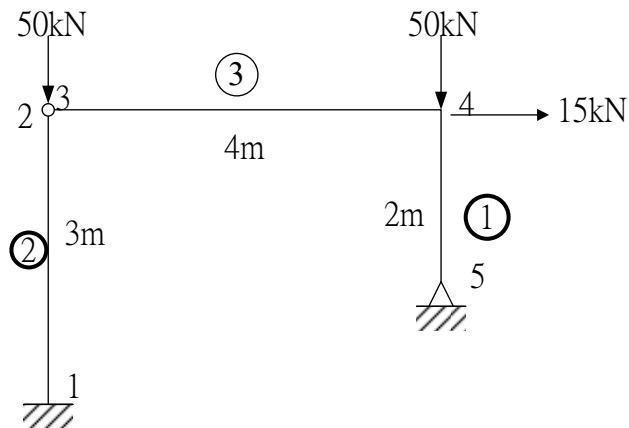
$E=120 \text{ GPa}$

$A=110,000 \text{ mm}^2$ for all top chord members

$A=120,000 \text{ mm}^2$ for all bottom chord members

$A=60,000 \text{ mm}^2$ for all web members

Prob. 2 2D frame



$E=200 \text{ GPa}$

Elements 1 and 2 : $I=8 \times 10^7 \text{ mm}^4$, $A=85,000 \text{ mm}^2$

Element 3 : $I=4 \times 10^7 \text{ mm}^4$, $A=16,000 \text{ mm}^2$