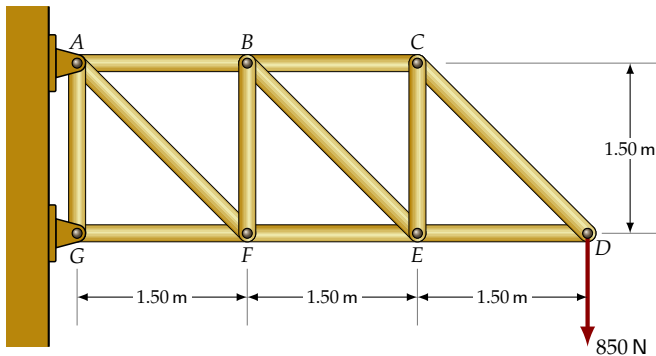# 08 Method of Sections

Engineering Statics
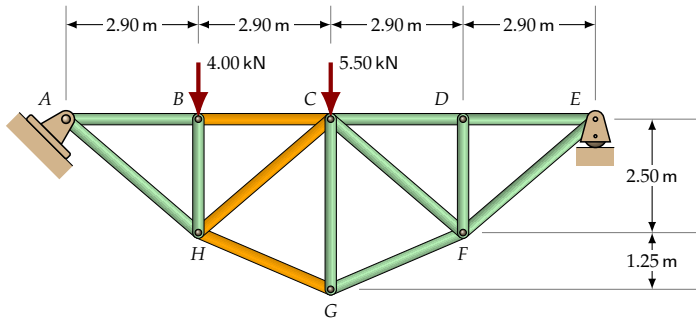
Updated on: October 17, 2025

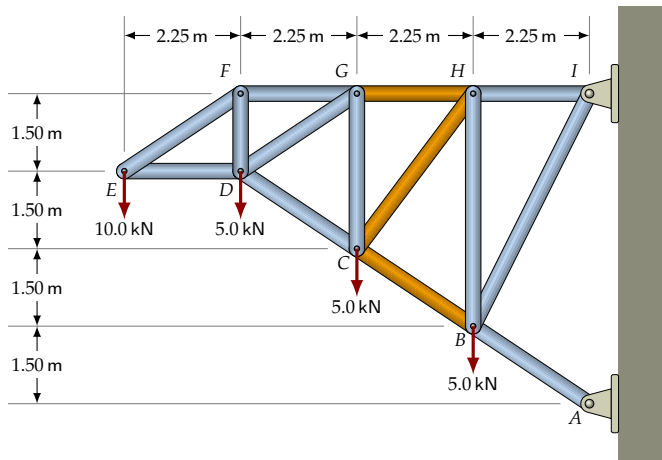Example 1

Use the method of sections to determine the internal forces in members BC, CH and GH.
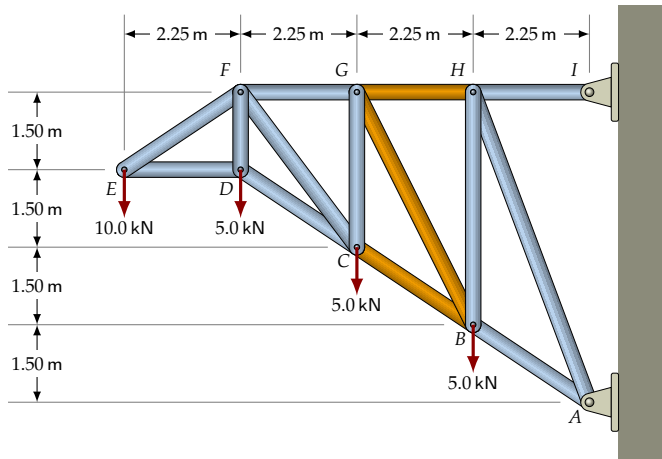
Example 2

Use the method of sections to determine the internal forces in members BC, CH and GH.

Example 3

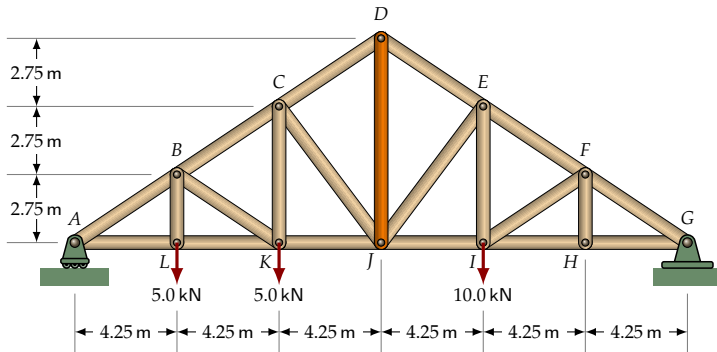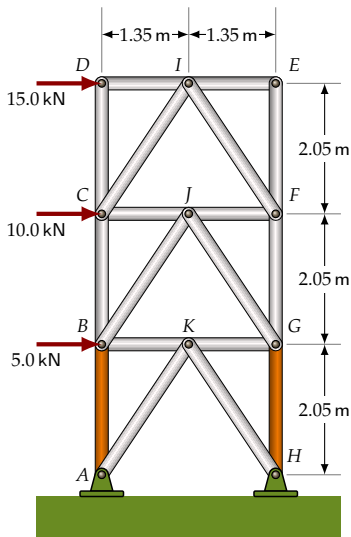Use the method of sections to determine the internal forces in members BC, CH and GH.

An alternative design is being considered for the previous example. Use the method of sections to determine the internal forces in members BC, BG and GH. How do they compare to the previous results?
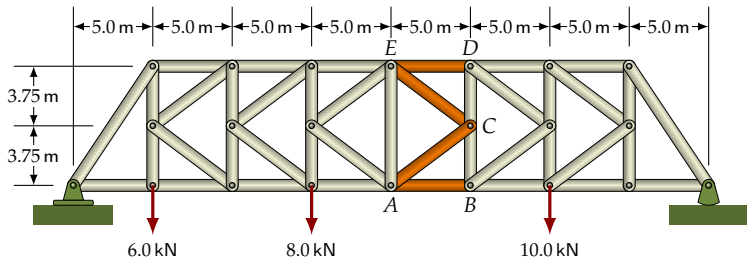
Example 4

2.75 m

2.75 m

2.75 m

D

C   E

B   F

A   G

L   K   J   I   H

5.0 kN   5.0 kN   10.0 kN

← 4.25 m → ← 4.25 m → ← 4.25 m → ← 4.25 m → ← 4.25 m → ← 4.25 m →

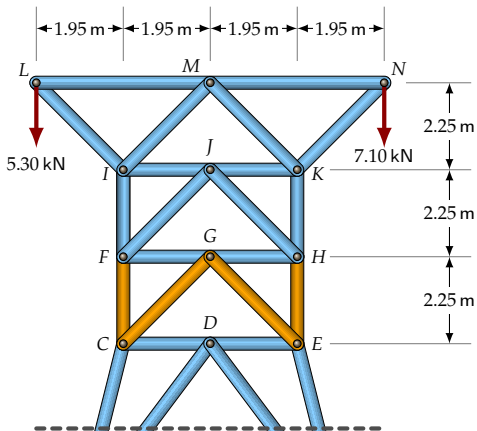Determine the internal force in DJ.

Example 5

Determine the forces in members AB and GH.

Example 6

Use the method of sections to determine the internal forces in members AB, AC, CE and DE.

Exercise 2

Determine the forces in members *CF*, *CG*, *EG* and *EH*.