4.7 through 4.9 Two vertical forces are applied to a beam of the cross section shown. Determine the maximum tensile and compressive stresses in portion BC of the beam.

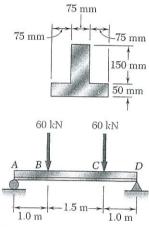


Fig. *P4.7*

10 mm

50 mm

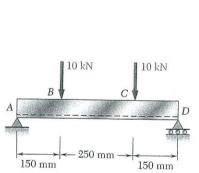


Fig. P4.9

← 50 mm →

 $10 \; \mathrm{mm}$

10 mm

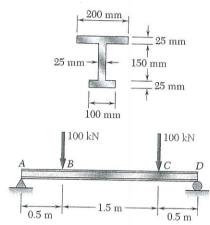


Fig. P4.8