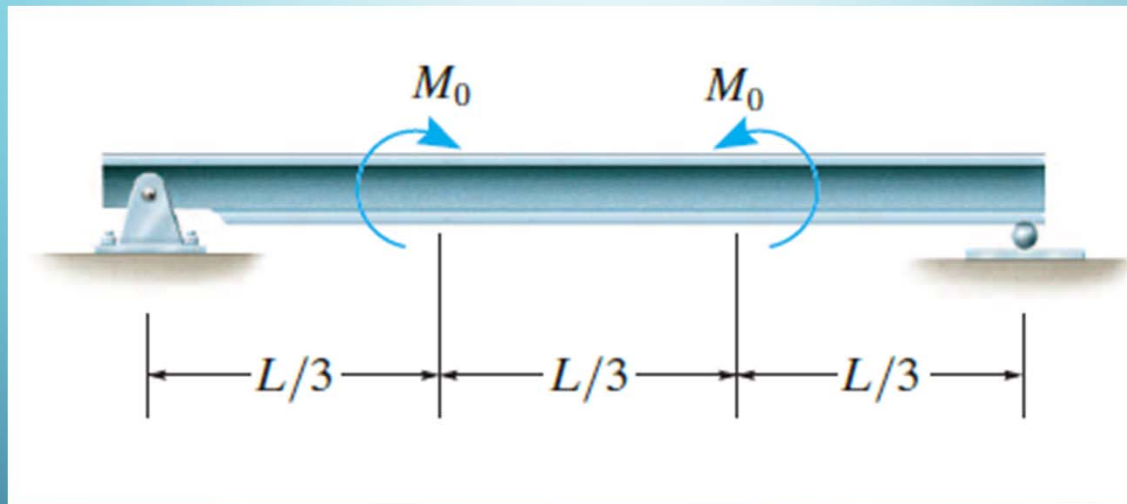


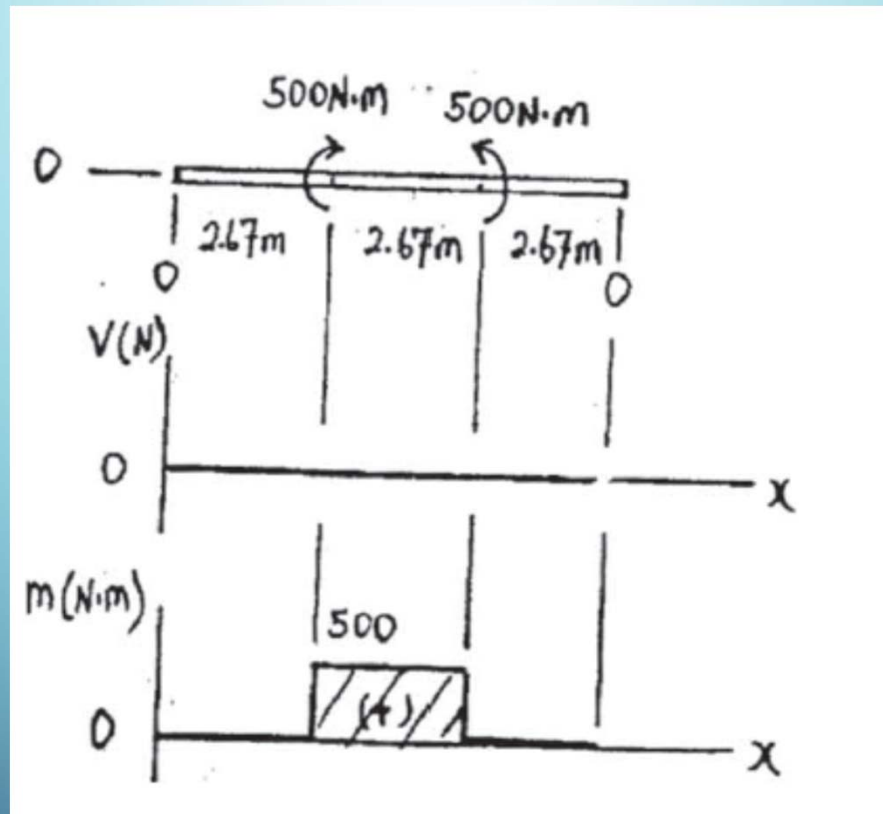
INTERNAL FORCES

- Shear Force and Bending Moment Diagrams for beams.

1 -

Draw the shear and moment diagrams for the beam (a) in terms of the parameters shown; (b) set $M_0 = 500 \text{ N} \cdot \text{m}$, $L = 8 \text{ m}$.

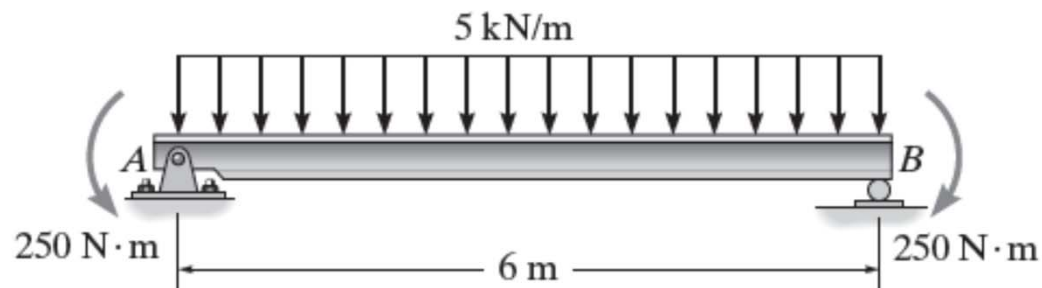


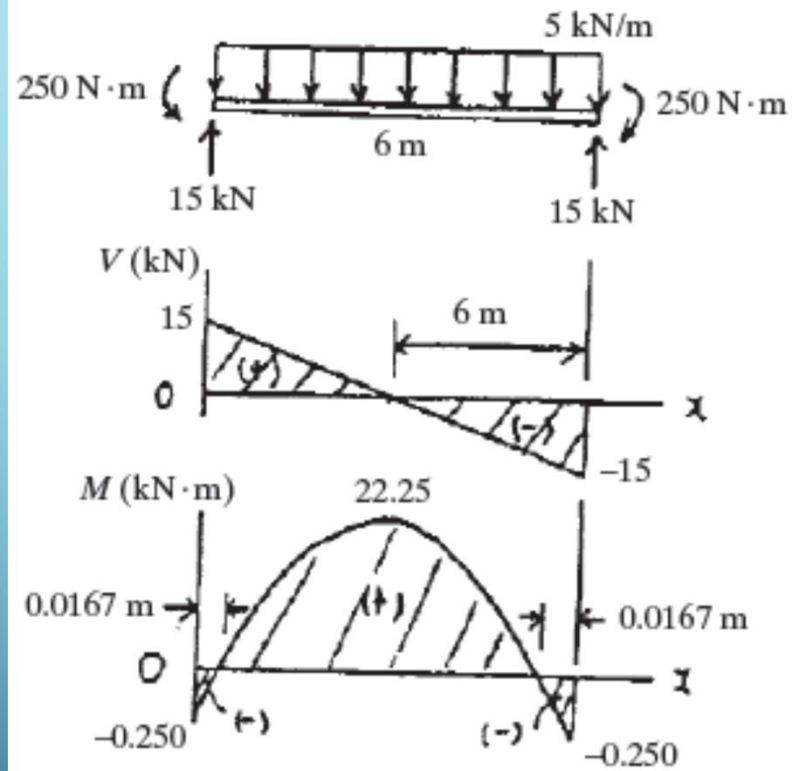


2-

Draw the shear and moment diagrams for the beam.

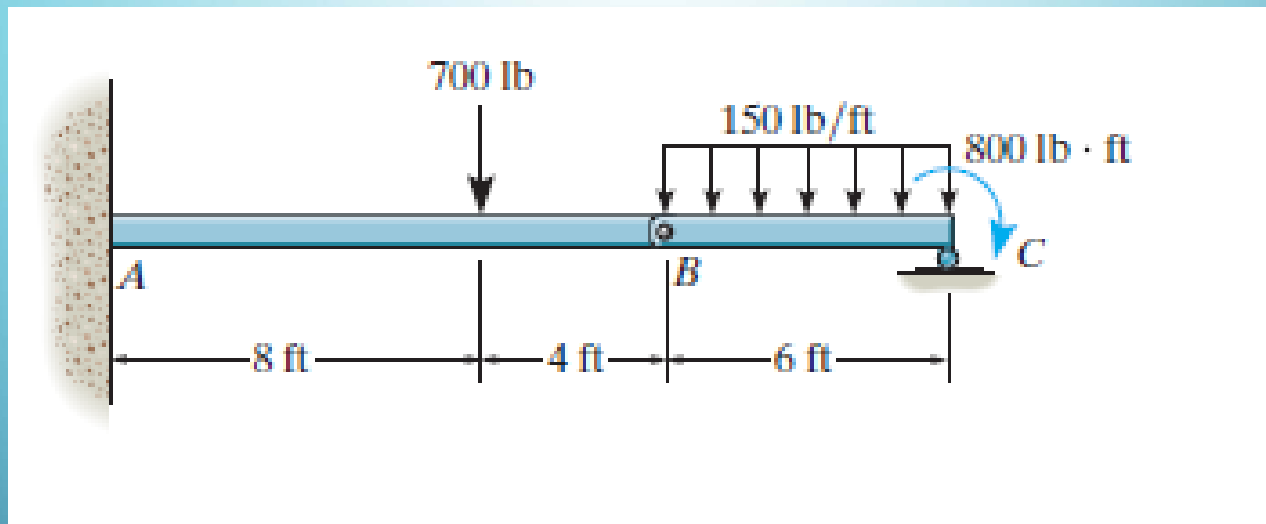
- **Simply supported beam**





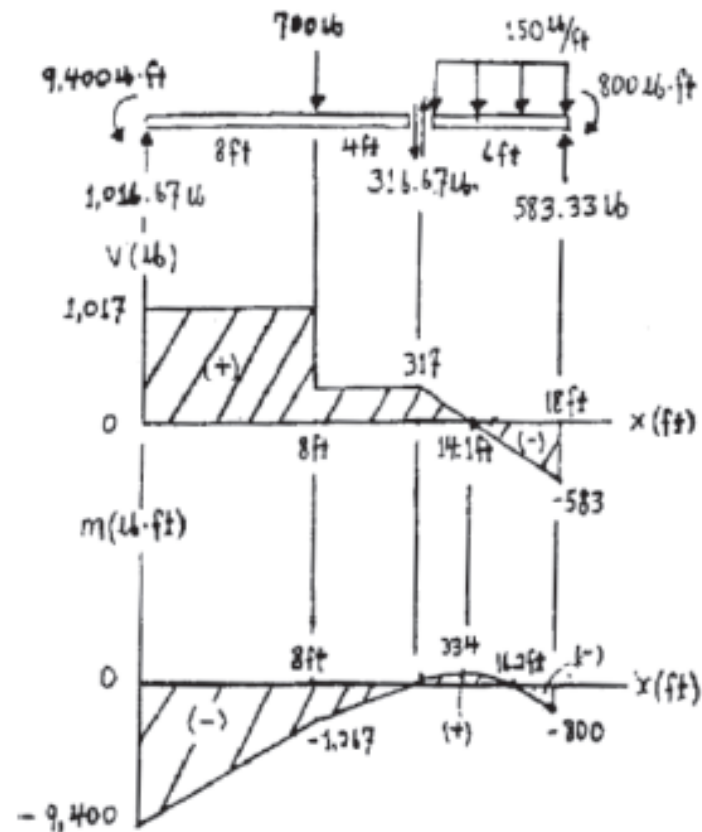
3.

The beam consists of two segments pin connected at B .
Draw the shear and moment diagrams for the beam.



Propped cantilever beam with an internal hinge

SOLUTION



Q.

Draw the shear and moment diagrams for the beam.

