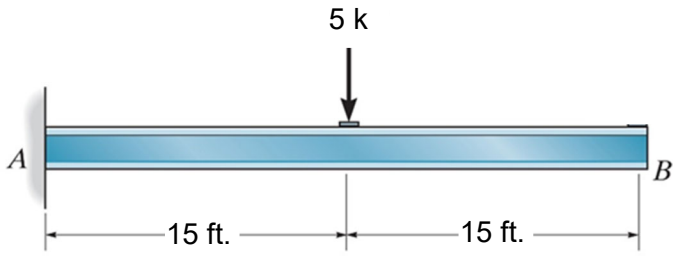
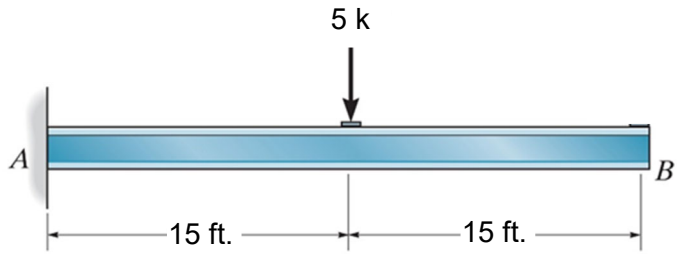


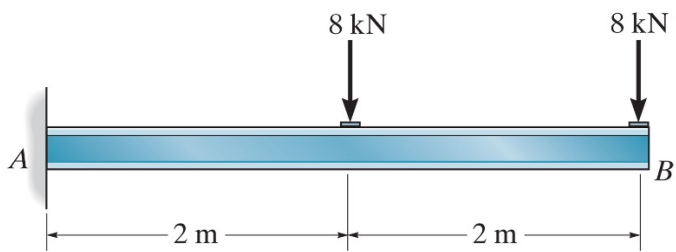
Example 7b-1: Determine the slope and the displacement at point B for the beam. Assume that $E = 30,000$ ksi and $I = 800$ in⁴.



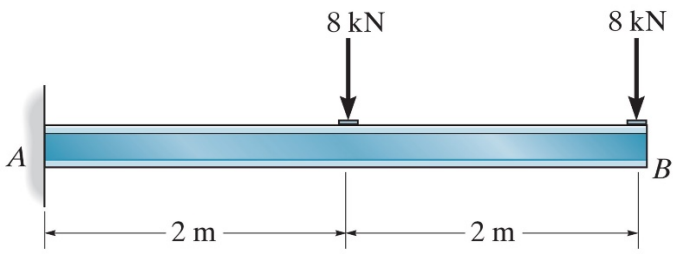
Example 7b-1: Determine the slope and the displacement at point B for the beam. Assume that $E = 30,000$ ksi and $I = 800$ in⁴.



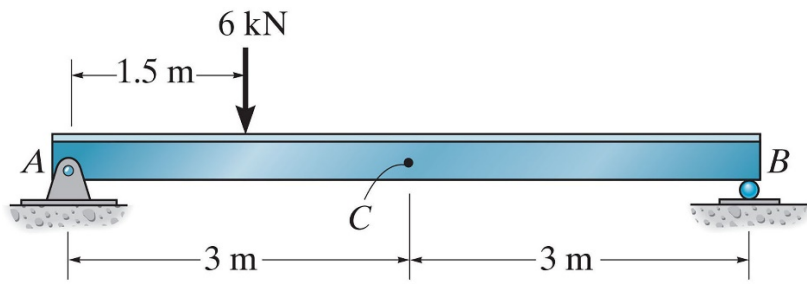
Example 7b-2: Determine the slope at B and the displacement at mid-span. Assume that $E = 200 \text{ GPa}$ and $I = 550(10^6) \text{ mm}^4$.



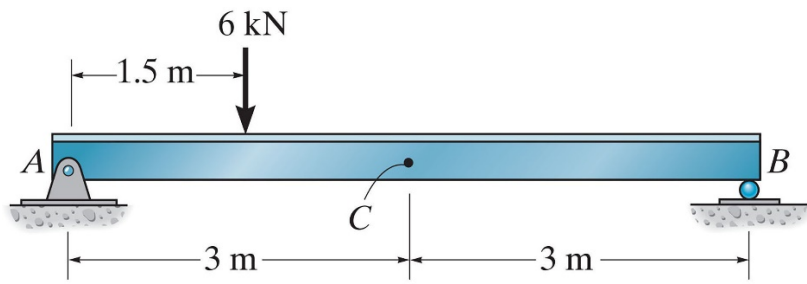
Example 7b-2: Determine the slope at B and the displacement at mid-span. Assume that $E = 200 \text{ GPa}$ and $I = 550(10^6) \text{ mm}^4$.



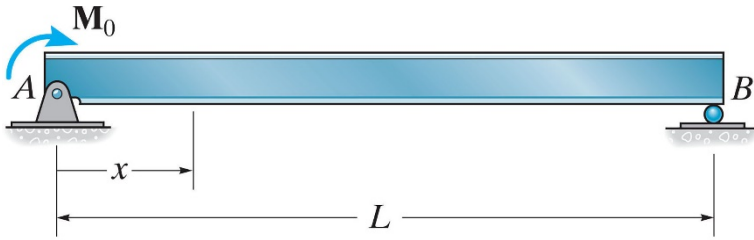
Example 7b-3: Determine the slope and the displacement at C the beam. Assume that EI is constant.



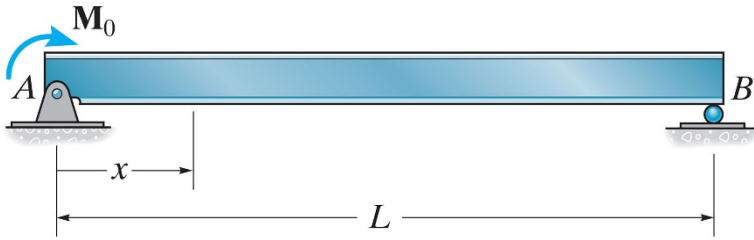
Example 7b-3: Determine the slope and the displacement at C the beam. Assume that EI is constant.



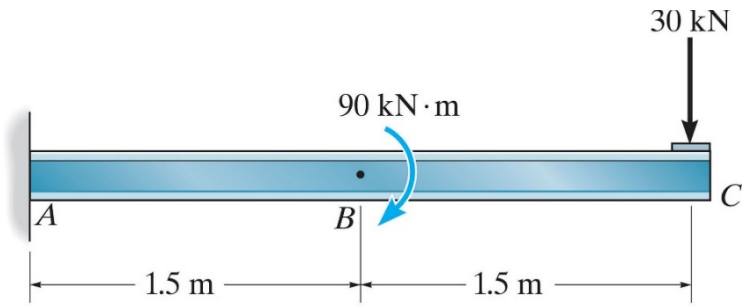
Example 7b-4: Use the conjugate beam method to determine the slope at point B and the displacement at $x = L/2$. Assume that EI is constant.



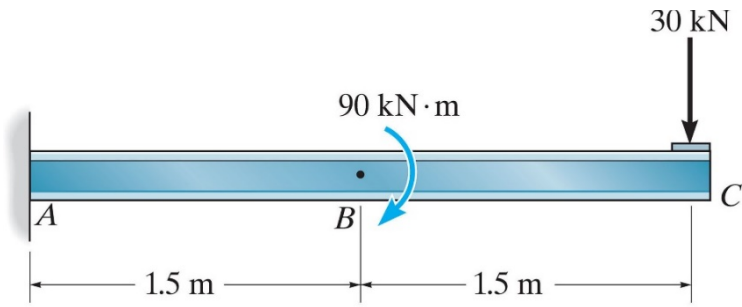
Example 7b-4: Use the conjugate beam method to determine the slope at point B and the displacement at $x = L/2$. Assume that EI is constant.



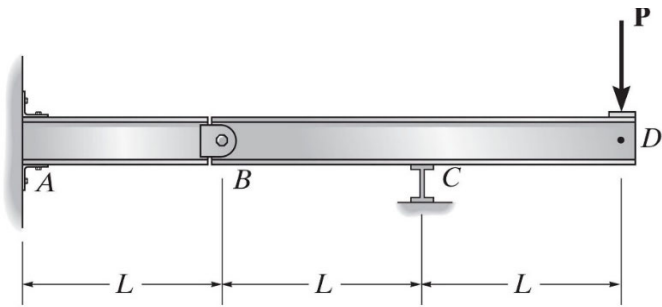
Example 7b-5: Use the conjugate beam method to determine the slope and displacement at point C . Assume that $E = 200 \text{ GPa}$ and $I = 300(10^6) \text{ mm}^4$.



Example 7b-5: Use the conjugate beam method to determine the slope and displacement at point C . Assume that $E = 200 \text{ GPa}$ and $I = 300(10^6) \text{ mm}^4$.



Example 7b-6: Use the conjugate beam method to determine the slope and displacement at point D . Assume that EI is constant.



Example 7b-6: Use the conjugate beam method to determine the slope and displacement at point D . Assume that EI is constant.

