A: pinned-pinned  $P_{\rm cr} = \frac{\pi^2 EI}{4L^2}$ B: clamped-free  $P_{\rm cr} = \frac{4\pi^2 EI}{L^2}$ C: clamped-clamped  $P_{\rm cr} = \frac{2.046\pi^2 EI}{L^2}$ D: clamped-pinned