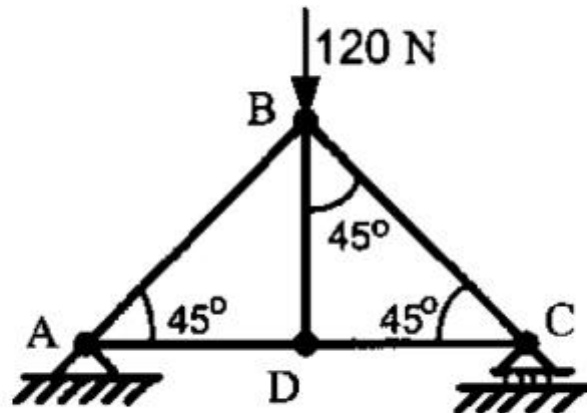


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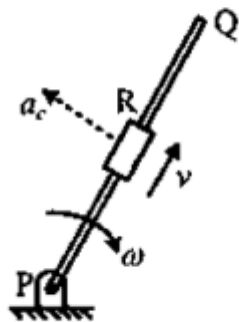
- (5) A truss consisting of members AD, DC, AB, BD and BC is subjected to a vertical force of 120 N at joint B as shown in the figure. The members AD, DC and BD are each of 1 meter length. The magnitude of force in the member BD is



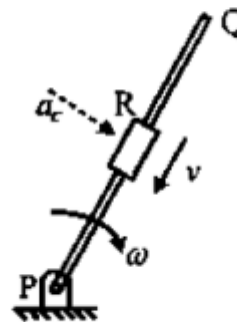
- (A) 0 (B) $20\sqrt{2}$ N (C) 40 N (D) 120 N

- (6) A rigid link PQ is rotating about a revolute joint at P with a uniform angular velocity ω . A slider R is sliding on the link with a relative velocity v . Which one of the following figures represents the correct direction of the Coriolis acceleration a_c ?

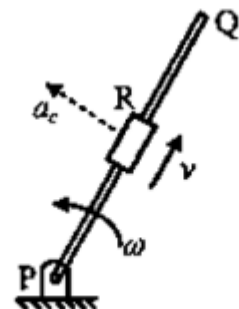
(A)



(B)



(C)



(D)

