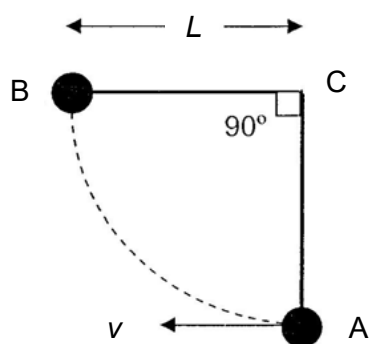


- 9 A simple pendulum consists of a bob of mass m at the end of a light inextensible thread of length L . The other end of the thread is fixed at C. The bob swings through point A with velocity v and just reaches B, where the string is just taut.



What is the tension in the thread as the bob passes point A?

- A** mg **B** $2mg$ **C** $3mg$ **D** $4mg$