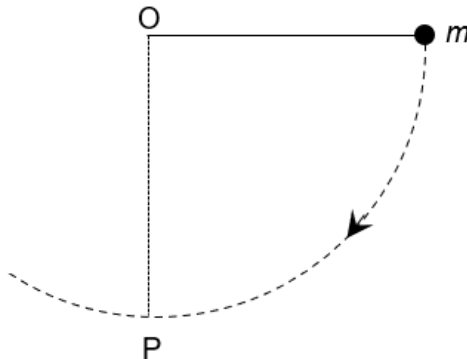


- 8 A small mass  $m$  is suspended from a fixed point O by a light, inextensible cord. The mass is raised until the cord is horizontal and it is then released from rest. It moves in an arc of a circle as shown.



What is the tension in the cord at the lowest point P?

- A zero                      B  $mg$                       C  $2mg$                       D  $3mg$