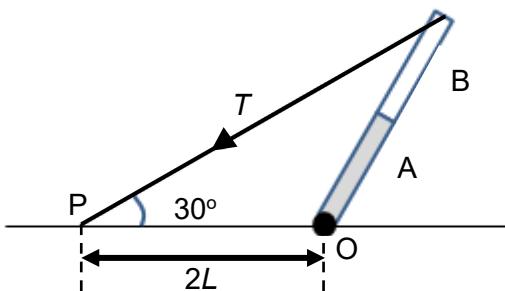


- 7 A rod, made up of 2 uniform portions, A and B, is held in place by a cable under tension, T . The cable is at an angle of 30° to the horizontal.



The portions A and B have masses of 20.0 kg and 30.0 kg respectively, and are of identical length, L .

What is the tension T in the cable?

A 150 N

B 190 N

C 230 N

D 270 N