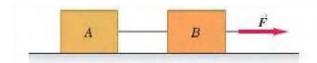
12. Find the tension in each cord if the weight of the suspended object is 490 N.

16. Two objects A and B on a perfectly horizontal surface are connected by a light cord. The mass of A is greater that of B. A horizontal force \vec{F}



than

is applied to Q as shown in the figure below, accelerating the

bodies to the right.

The magnitude of the force exerted by the connecting cord on body P will be

- (a) less than F but not zero.
- (c) zero.
- (b) greater than F.
- (d) equal to F.

Ans. A

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