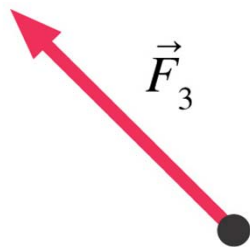
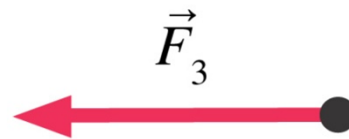


Two forces
exerted on
an object

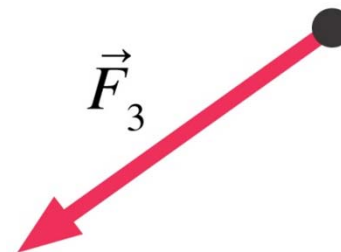
Two forces are exerted on an object.
What third force would make the
net force point to the left?



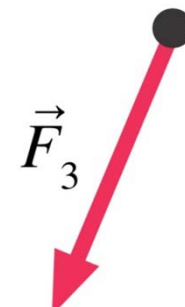
(1)



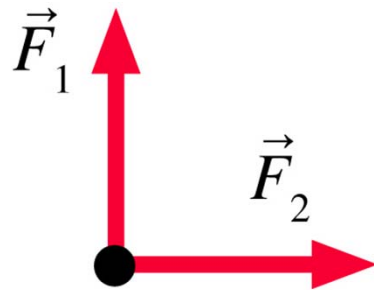
(2)



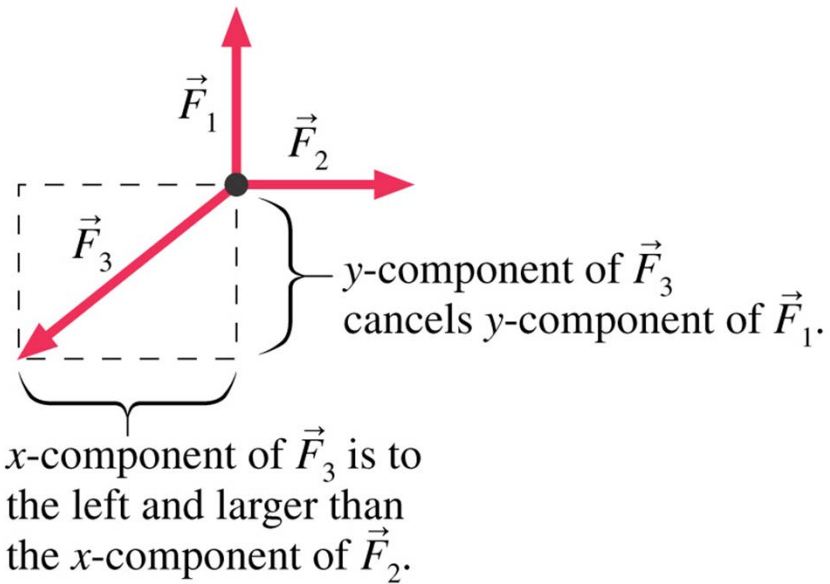
(3)



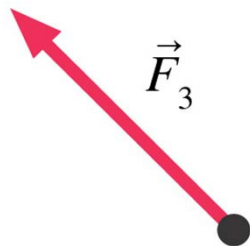
(4)



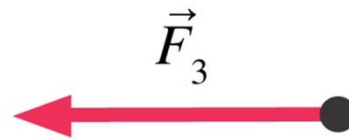
Two forces
exerted on
an object



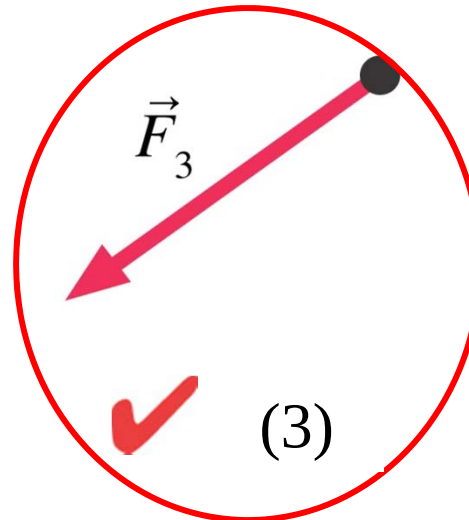
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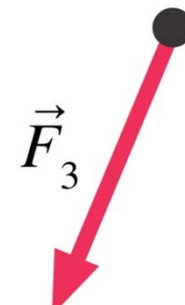
(1)



(2)

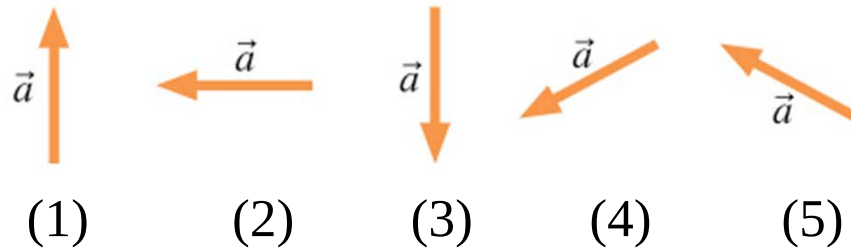
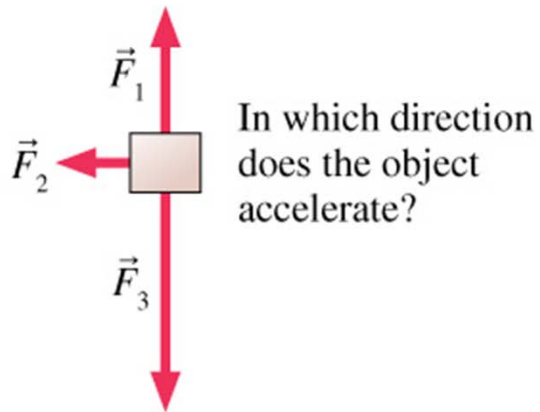


(3)

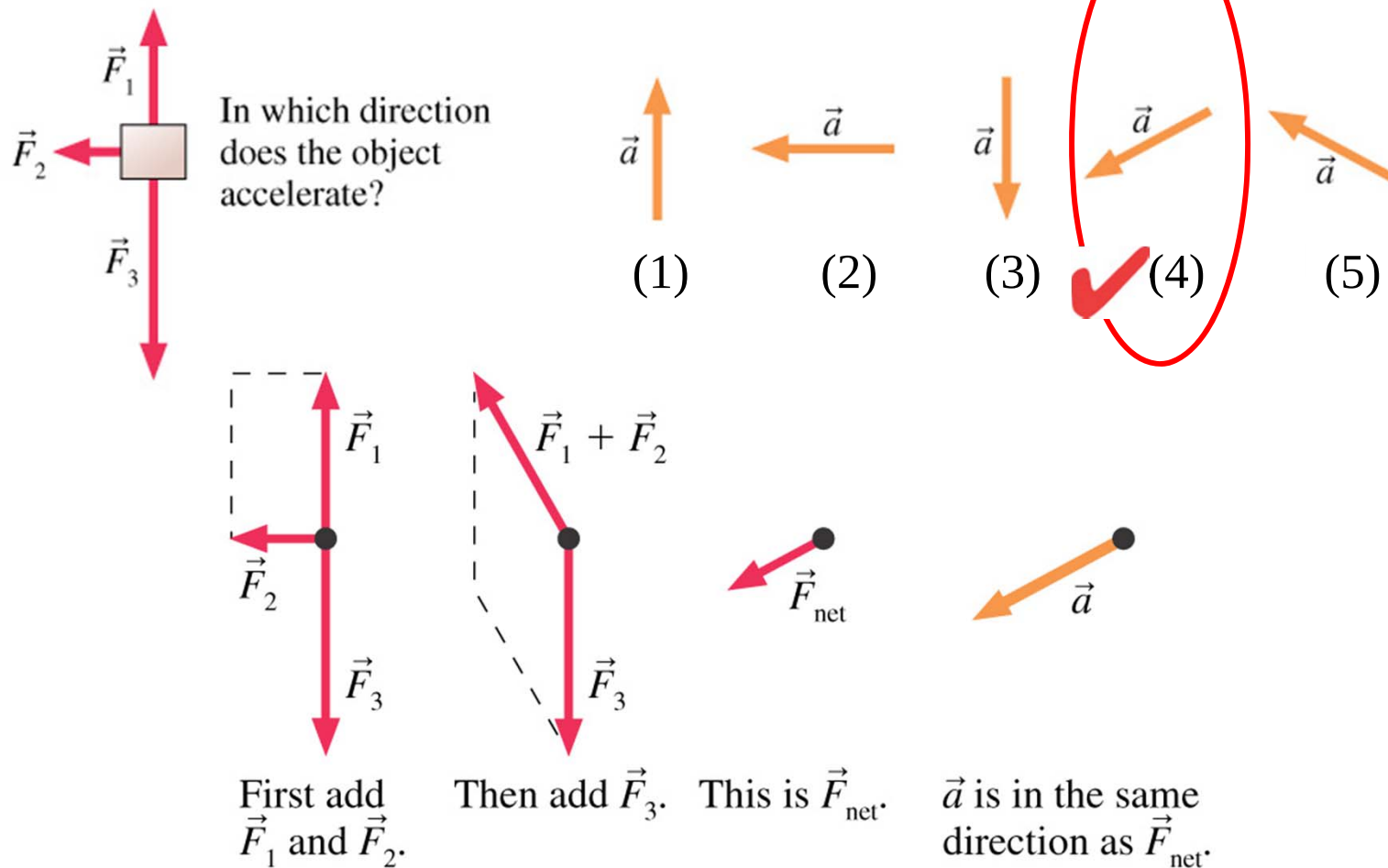


(4)

Three forces act on an object. In which direction does the object accelerate?

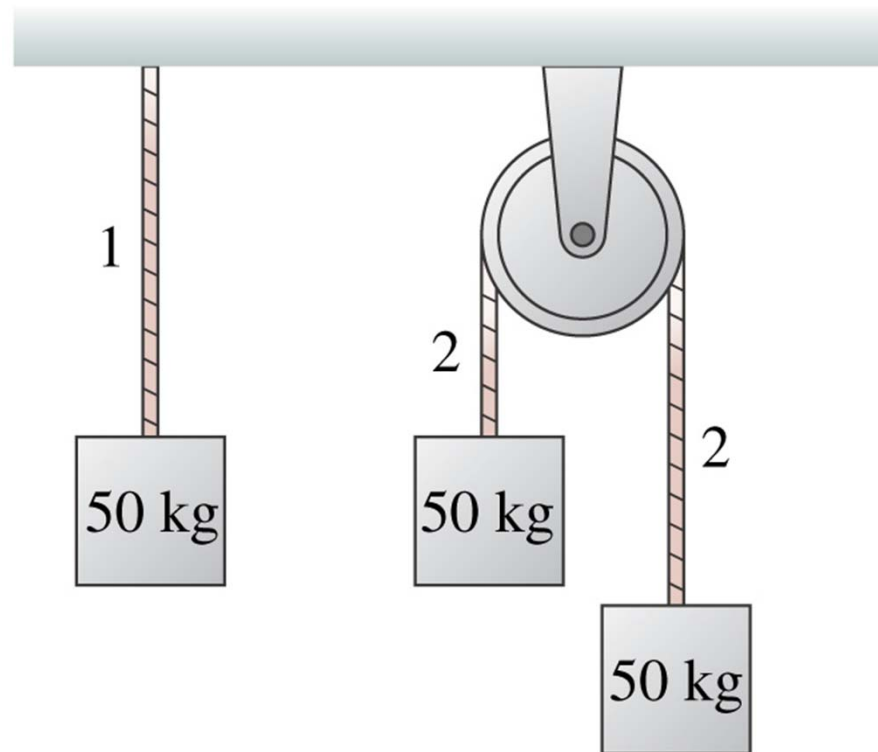


Three forces act on an object. In which direction does the object accelerate?



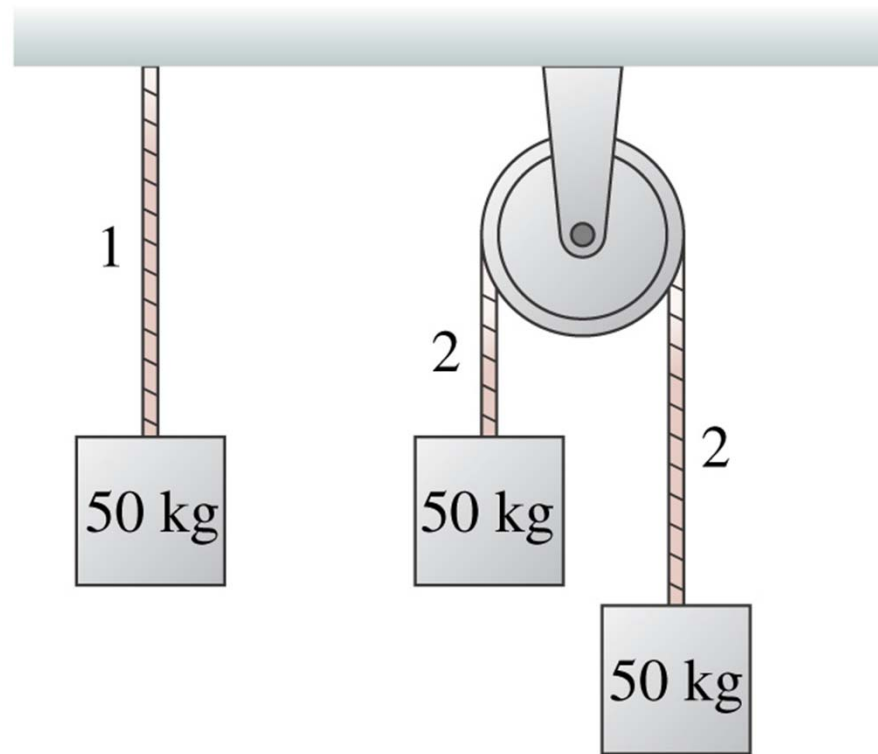
All three 50 kg blocks are at rest. Is the tension in rope 2 greater than, less than or equal to the tension in rope 1?

1. greater than
2. less than
3. equal to



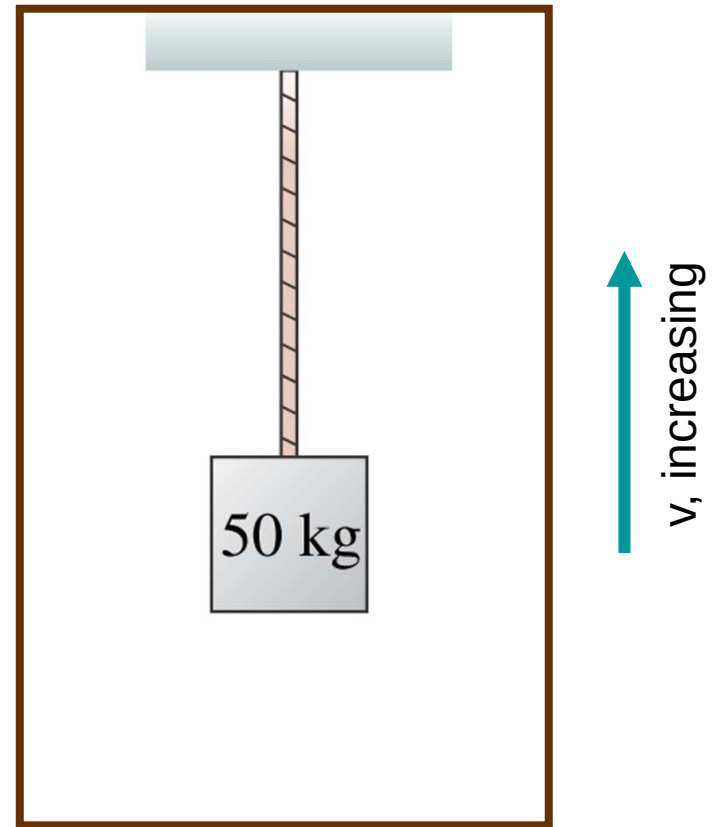
All three 50 kg blocks are at rest. Is the tension in rope 2 greater than, less than or equal to the tension in rope 1?

- 1. greater than
- 2. less than
- ✓ 3. **equal to**

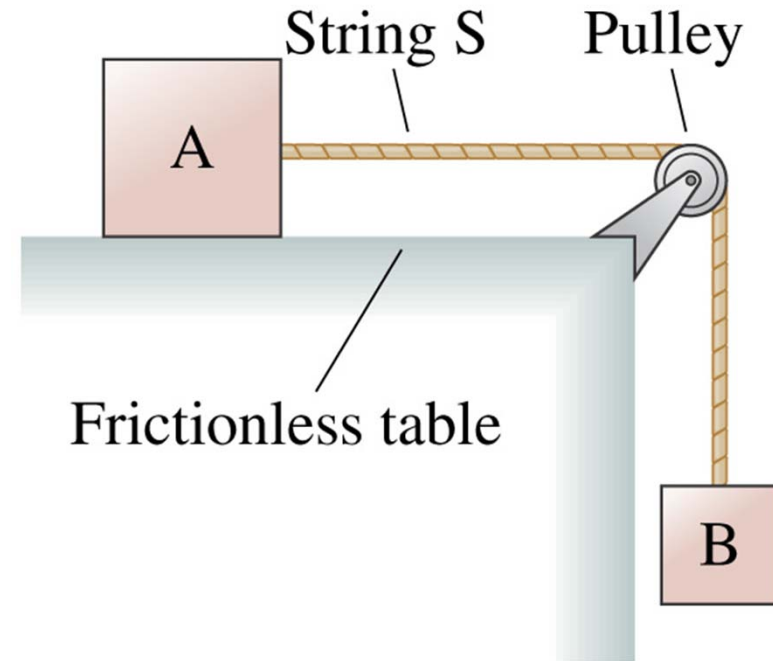


A 50 kg block is tied to the ceiling of an elevator. Is the tension in the rope greater than, less than, or equal to the weight of block?

- A. greater than
- B. less than
- C. equal to



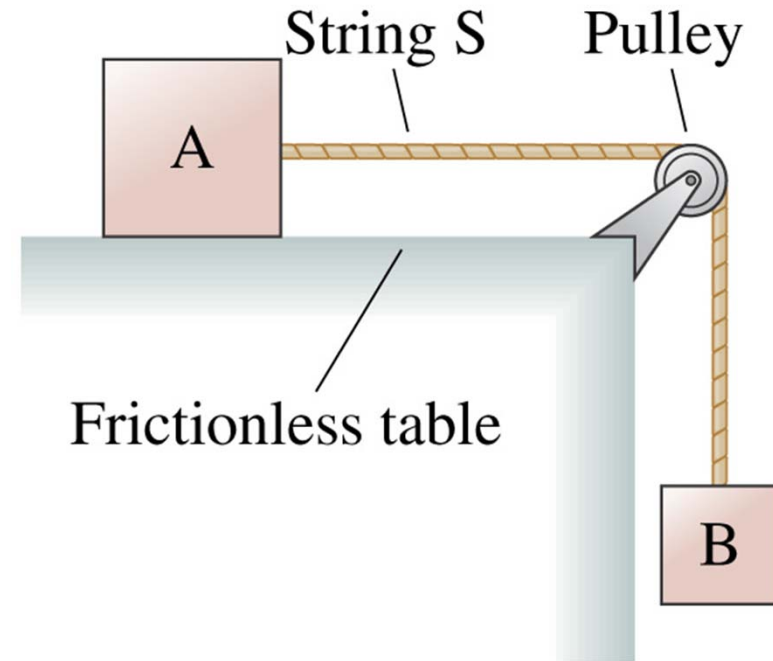
In the figure to the right is the tension in the string greater than, less than, or equal to the weight of block B?



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1. Greater than
2. Less than
3. Equal to

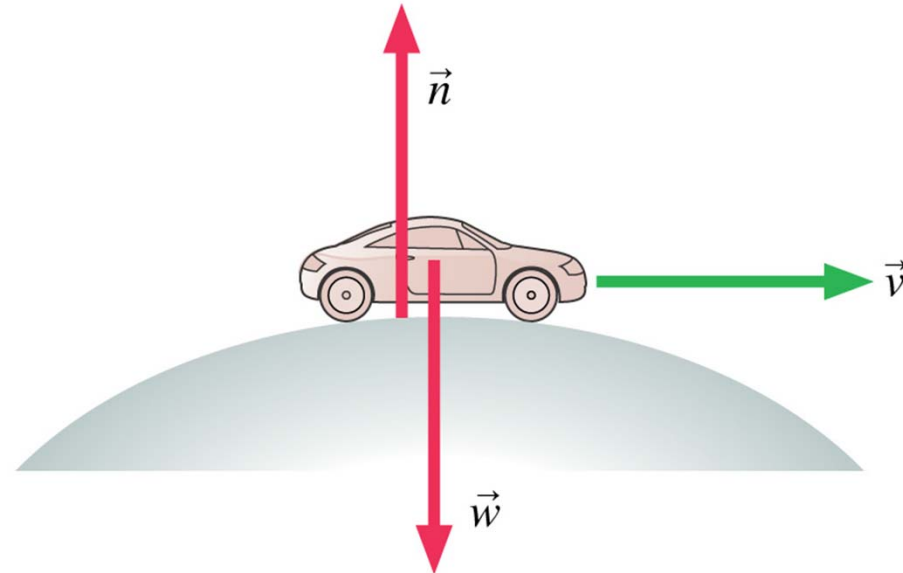
In the figure to the right is the tension in the string greater than, less than, or equal to the weight of block B?



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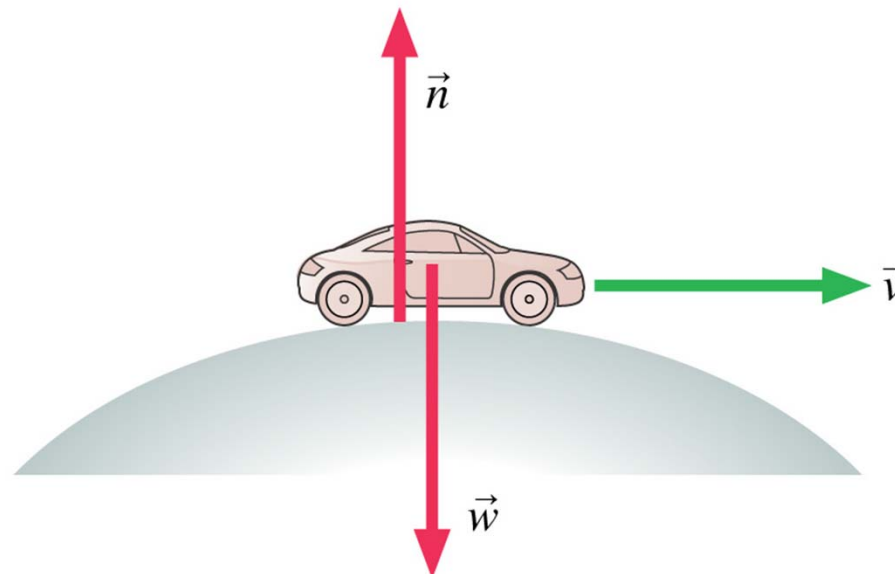
- 1. Greater than
- ✓ 2. **Less than**
- 3. Equal to

A car is rolling over the top of a hill at speed v .
At this instant,



1. $n > w$.
2. $n = w$.
3. $n < w$.
4. We can't tell about n without knowing v .

A car is rolling over the top of a hill at speed v .
At this instant,



1. $n > w$.

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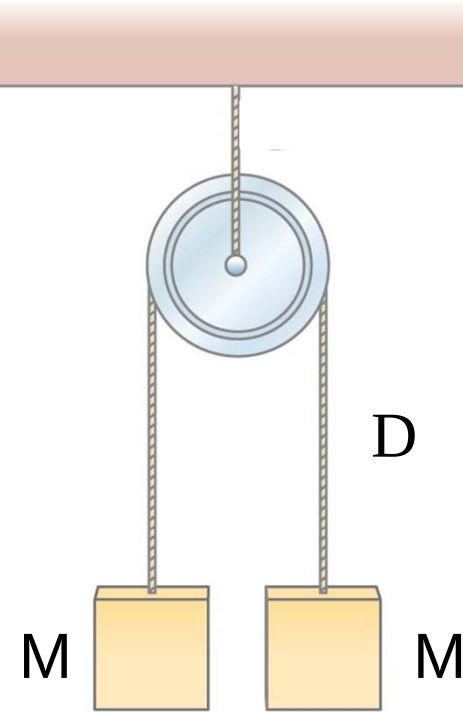


3. $n < w$.

4. We can't tell about n without knowing v .

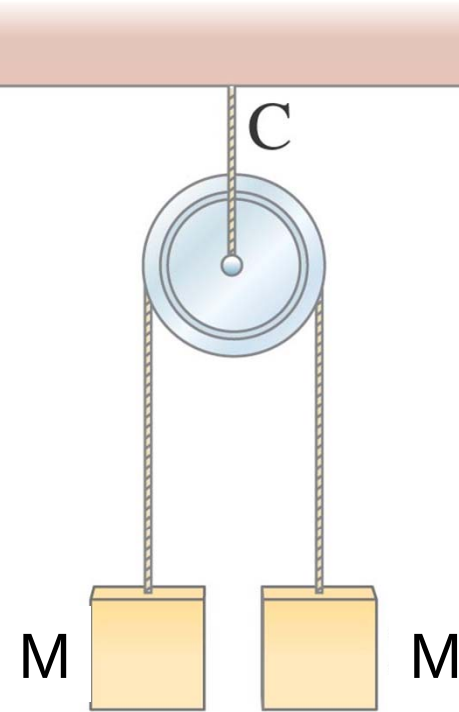
Is the tension in rope D equal to

- A. 0
- B. $< Mg$
- C. $> Mg$ but $< 2Mg$
- D. $2Mg$
- E. $> 2Mg$



Is the tension in rope C equal to

- A. 0
- B. $< Mg$
- C. $> Mg$ but $< 2Mg$
- D. $2Mg$
- E. $> 2Mg$



Is the tension in rope D equal to

- A. 0
- B. $< Mg$
- C. $> Mg$ but $< 2Mg$
- D. $2Mg$
- E. $> 2Mg$

