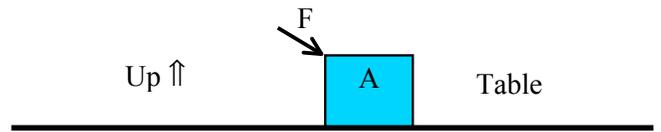


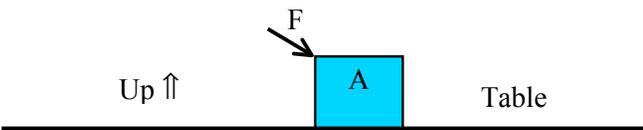
There may or may not be friction between the block and the table. Assume that the block **does not move** at all. Which of the following is true (only one is correct)?

- 1) This is possible without any friction
- 2) This is impossible without friction; it **might** be possible if there is friction between block and table. Need more info to be sure.
- 3) This is impossible without friction; it **definitely would** be possible if there is friction between block and table
- 4) This is impossible even if there is friction



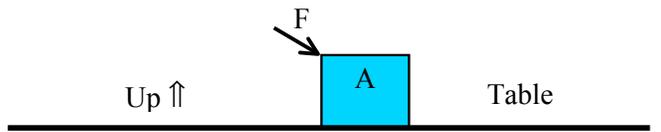
There may or may not be friction between the block and the table. Now, assume that the block **moves to the right** at constant velocity. Which of the following is true (only one is correct)?

- 1) This is possible without any friction
- 2) This is impossible without friction; it **might** be possible if there is friction between block and table. Need more info to be sure.
- 3) This is impossible without friction; it **definitely would** be possible if there is friction between block and table
- 4) This is impossible even if there is friction



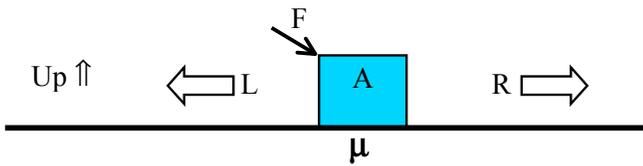
There may or may not be friction between the block and the table. Now, assume that the block **moves to the left** at constant velocity. Which of the following is true (only one is correct)?

- 1) This is possible without any friction
- 2) This is impossible without friction; it **might** be possible if there is friction between block and table. Need more info to be sure.
- 3) This is impossible without friction; it **definitely would** be possible if there is friction between block and table
- 4) This is impossible even if there is friction



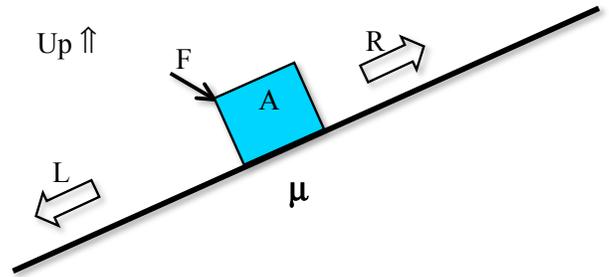
There may or may not be friction between the block and the table. Now, assume that the block **accelerates to the right**. Which of the following is true (only one is correct)?

- 1) This is possible without any friction
- 2) This is impossible without friction; it **might** be possible if there is friction between block and table. Need more info to be sure.
- 3) This is impossible without friction; it **definitely would** be possible if there is friction between block and table
- 4) This is impossible even if there is friction



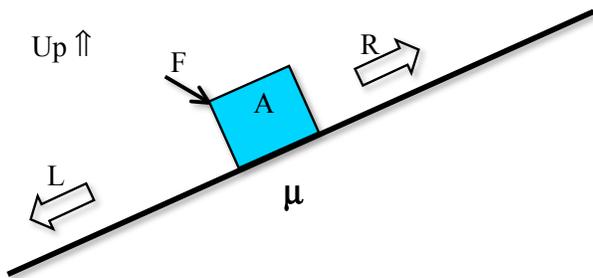
You know that there is friction between the block and the table. Assume that the block **does not move** at all. Which of the following is true (only one is correct)?

- 1) The force of friction is zero
- 2) The force of friction obviously points in direction L.
- 3) The force of friction obviously points in direction R.
- 4) I can't tell what is going on without a detailed calculation.



You know that there is friction between the block and the table. Assume that the block **moves down the incline**. Which of the following is true (only one is correct)?

- 1) The force of friction is zero
- 2) The force of friction obviously points in direction L.
- 3) The force of friction obviously points in direction R.
- 4) I can't tell what is going on without a detailed calculation.



You know that there is friction between the block and the table. Assume that the block **does not move** at all. Which of the following is true (only one is correct)?

- 1) The force of friction is zero
- 2) The force of friction obviously points in direction L.
- 3) The force of friction obviously points in direction R.
- 4) I can't tell what is going on without a detailed calculation.