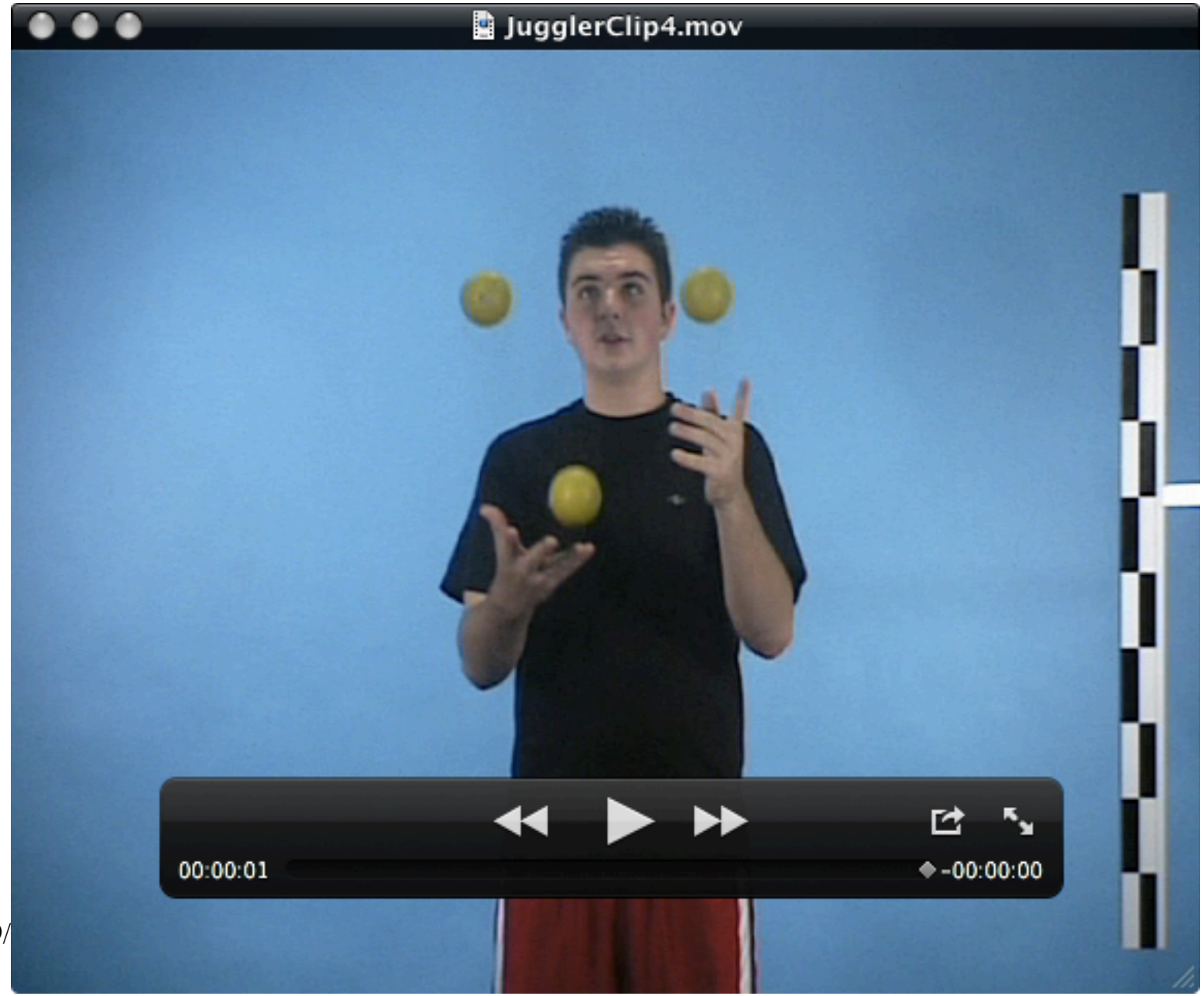
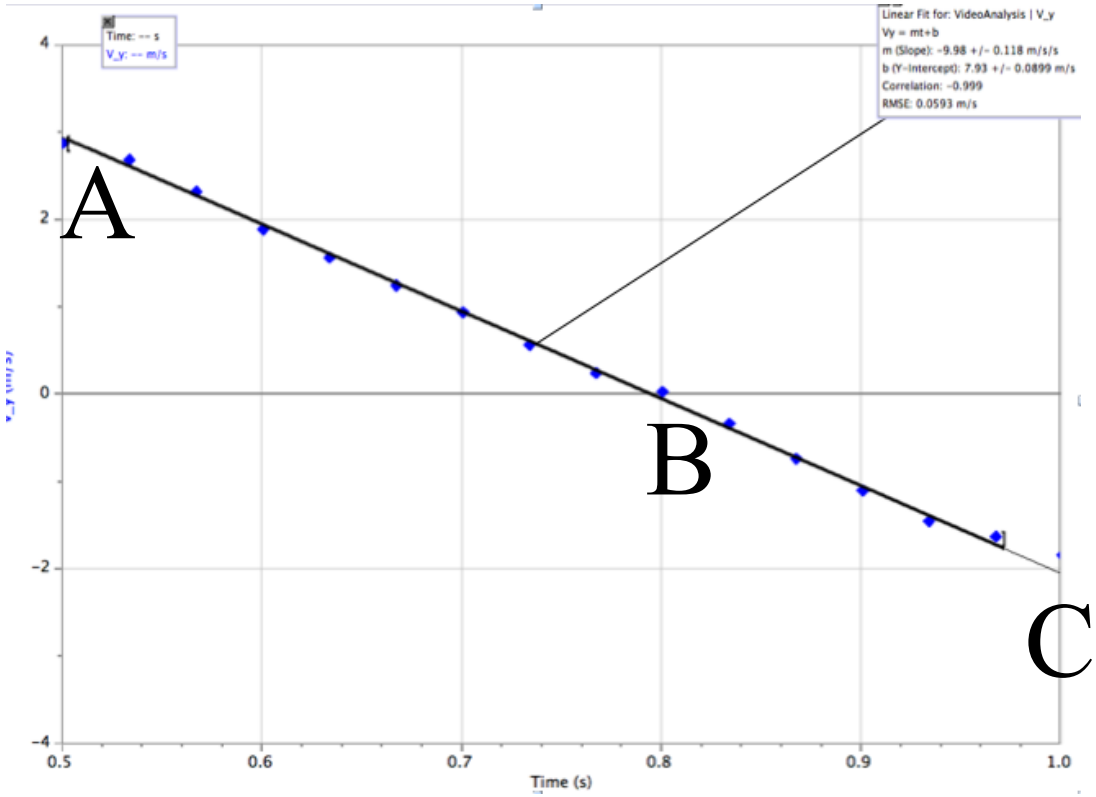
The juggler



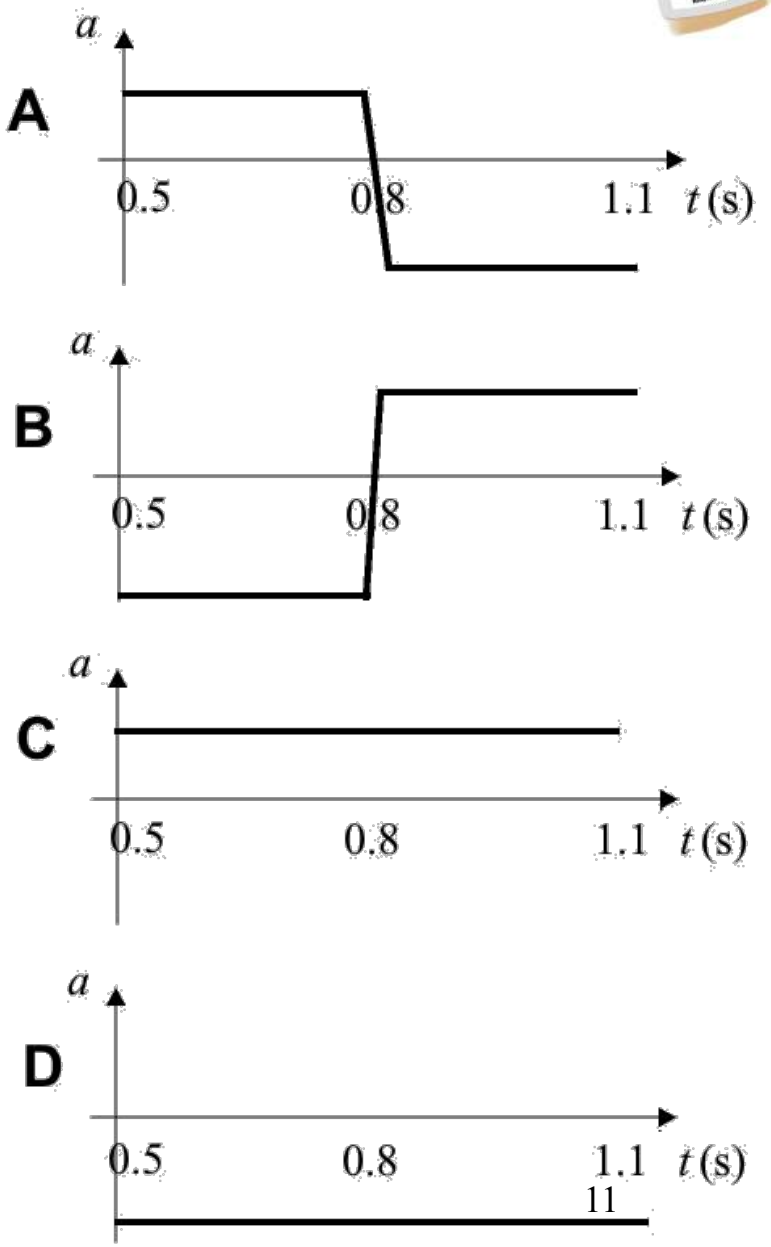
This graph shows the **velocity** of one of balls in the juggler video after he has released it and before he touches it again. Where is the ball at its highest point?

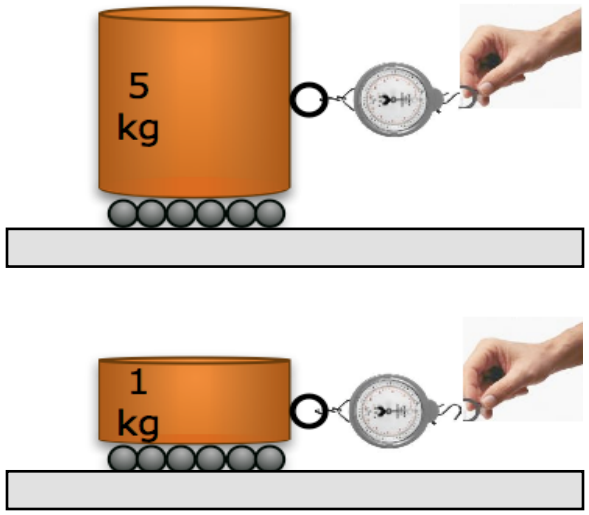
- A.
- B.
- C.
- A and C
- You can't tell.



Which of these graphs looks like the acceleration curve for the situation shown on the previous two slides?

- A
- B
- C
- D
- None of these

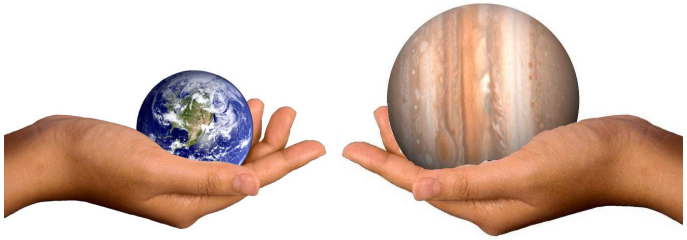




You are pulling two weights along a table with equal force. Which one would speed up faster?

1. The 1 kg weight
2. The 5 kg weight
3. The would speed up the same way.
4. There is not enough information to tell.

The prof drops two metal spheres, one of 1 kg, the other of 5 kg. They hit the ground at (almost) exactly the same time. The force of gravity on the 5 kg weight is:



1. Greater than the force on the 1 kg weight
2. Less than the force on the 1 kg weight
3. Almost the same as the force on the 1 kg weight.
4. There is not enough information to tell.