

Two people on roller blades begin to throw a ball back and forth. Friction and air resistance are negligible. After a few throws the person on the left catches and holds the ball. Now what are the positions and/or speeds of the 2 people?

1. The 2 people are stationary and standing where they were initially.
2. The 2 people are stationary and farther away from each other.
3. The 2 people are stationary and closer together.
4. The 2 people are moving away from each other.
5. The 2 people are moving towards each other.
6. None of the above.