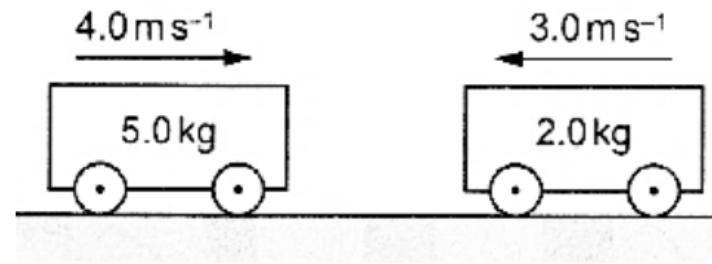


- 5 Two frictionless trolleys move along the same straight line towards one another. Their masses and velocities before collision are shown.



The trolleys collide and stick together.

What is the final kinetic energy of the trolleys after the collision?

A 0.71 J

B 14 J

C 31 J

D 35 J