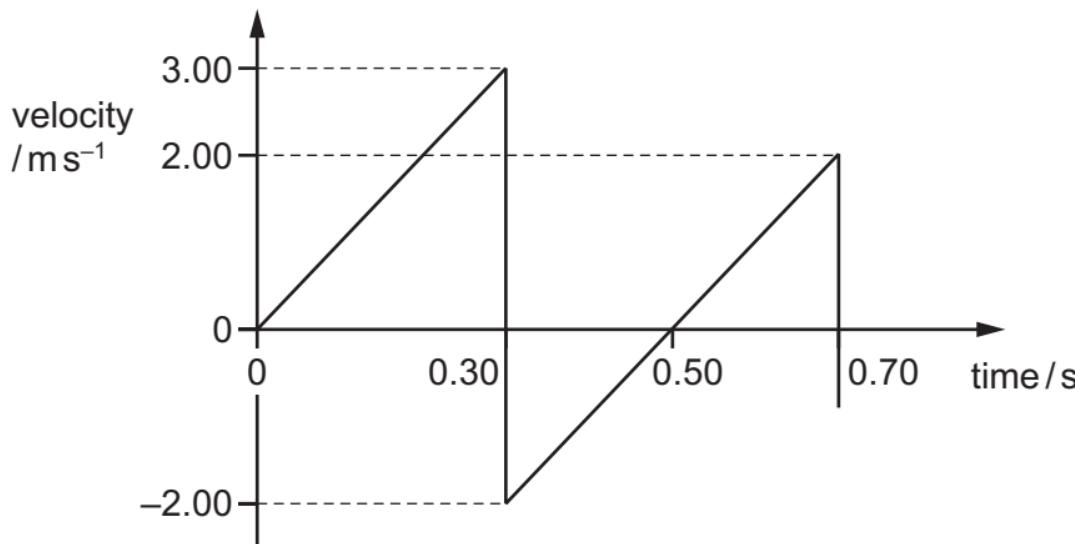


- 9 A ball is released from rest above a horizontal surface. It strikes the surface and bounces several times.

The velocity-time graph for the first two bounces is shown.



What is the maximum height of the ball after the first bounce?

- A** 0.20 m      **B** 0.25 m      **C** 0.45 m      **D** 0.65 m

- 10 A bus takes a time of 25 s to reach a constant speed while travelling in a straight line. A graph of