2. A hot air balloon is moving vertically.

At a height of 50 m a sandbag is released.

The sandbag takes 3.0 s to reach the ground.

The effects of air resistance can be ignored.

The initial velocity of the sandbag on release is

A $2.0\ m\,s^{-1}$ upwards

B $2.0\ m\,s^{-1}$ downwards

C $17\ m\,s^{-1}$ upwards

D $17\ m\,s^{-1}$ downwards

E $31\ m\,s^{-1}$ upwards.