

- 7 In the diagram below, blocks B, C, D, E and F are all in contact with each other and are initially at rest on a smooth horizontal surface.

Block A moves towards block B with a speed of 10 m s^{-1} .

All subsequent collisions are elastic in nature.



The mass of both block A and block F is m each. Blocks B, C, D and E have mass of $4m$ each.

Which of the following options concerning blocks A, B, and E after the collisions is true?

	block A	block B	block E
A	at rest	move	move
B	move	move	at rest
C	move	at rest	move
D	move	move	move