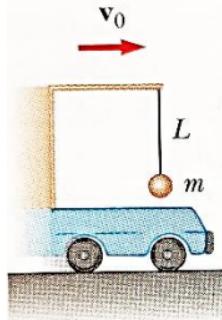
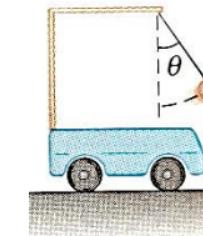


- 8 An object of mass m is suspended from the top of a cart by a string. The cart and object are initially moving to the right at a constant speed. The cart then moves with constant deceleration so that the rope remains at a constant angle θ with the vertical. What is the direction of the resultant force on the object while it is undergoing constant deceleration?

Constant speed



Constant deceleration



A		B		C		D	
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