	$\sqrt{2ga}$ when it has in terms of a .	s ascended a	distance $\frac{1}{3}$	$\frac{1}{3}a$.		A light elastic string has natural length a and modulus of elasticity $12mg$. One end of the string attached to a fixed point O . The other end of the string is attached to a particle of mass m . The particle hangs in equilibrium vertically below O . The particle is pulled vertically down and released from O with the extension of the string equal to O , where O is O in the subsequent motion the particle is						
Find e i	in terms of a.		speed $\sqrt{2ga}$ when it has ascended a distance $\frac{1}{3}a$.									
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