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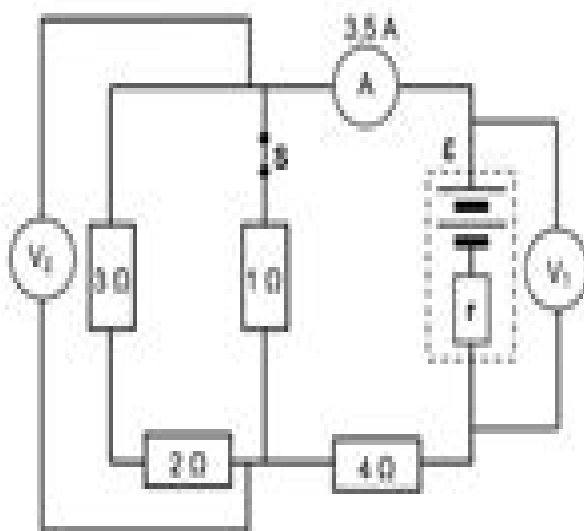
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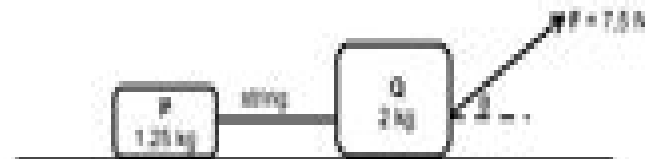
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mass 1.25 kg is connected to another crate, Q , of mass 2 kg by a light string. The two crates are placed on a rough horizontal surface. A force F of magnitude 7.5 N , acting at angle θ to the horizontal, is applied on crate Q as shown in the diagram below.

accelerate at 0.1 m s^{-2} to the right.



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