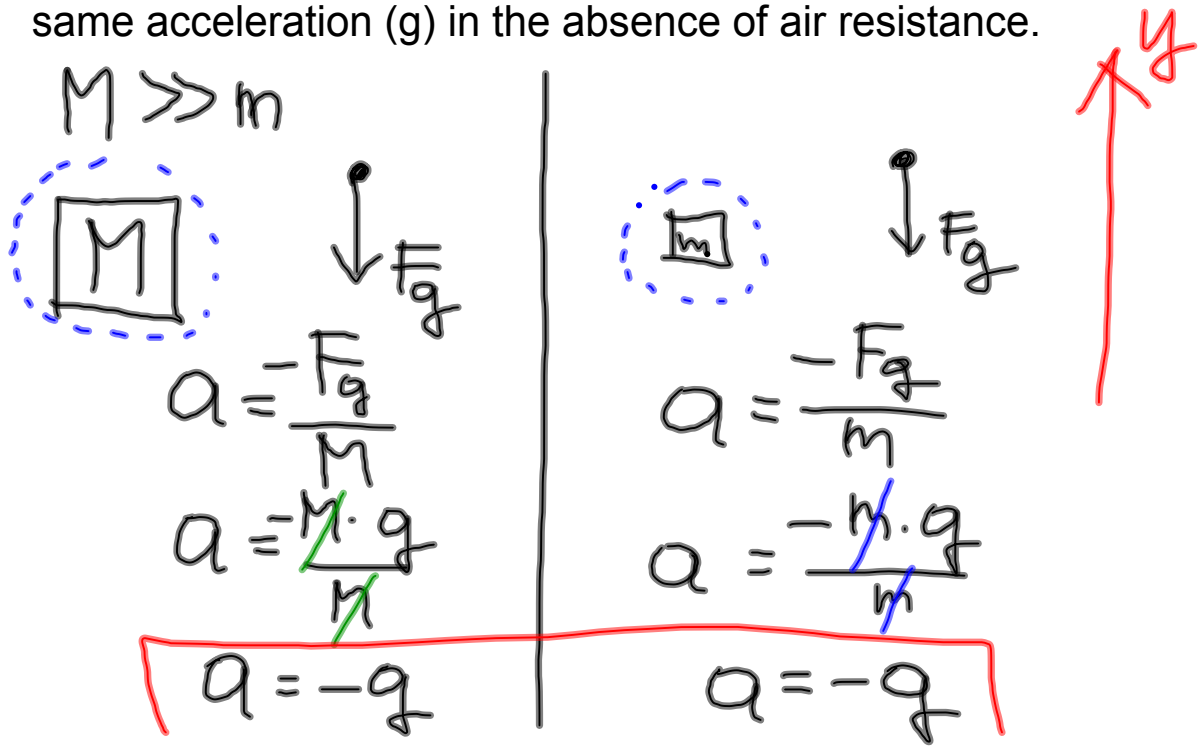
1. Prove that all objects regardlessly of their mass fall with the same acceleration (g) in the absence of air resistance.



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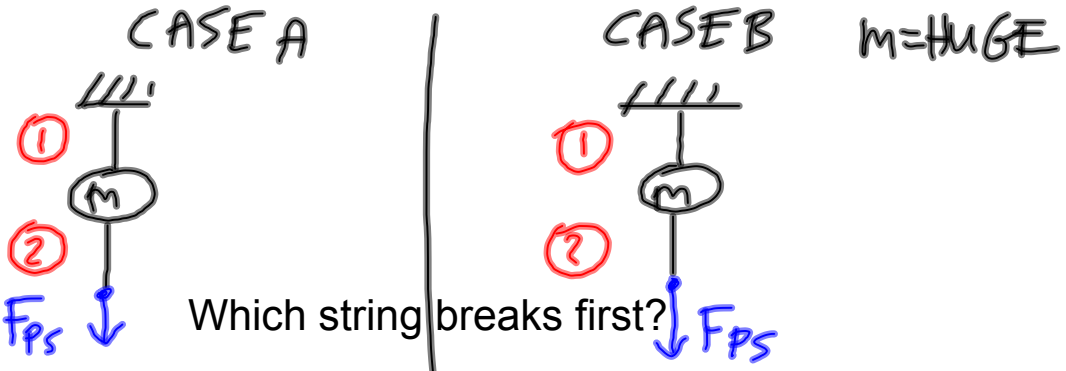

Which string breaks first?

F_{PS} is applied as a fast jerk.

string 2 breaks first

F_{PS} is applied as a gradual pull.

string 1 breaks first

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