

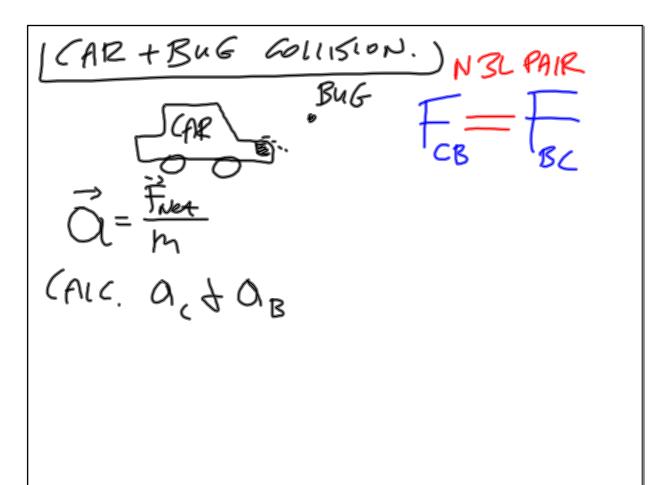
Inertia of the ball (measured by its mass; ability to resist the acceleration) prevents the transfer of F_{PS} from string 2 to string 1.

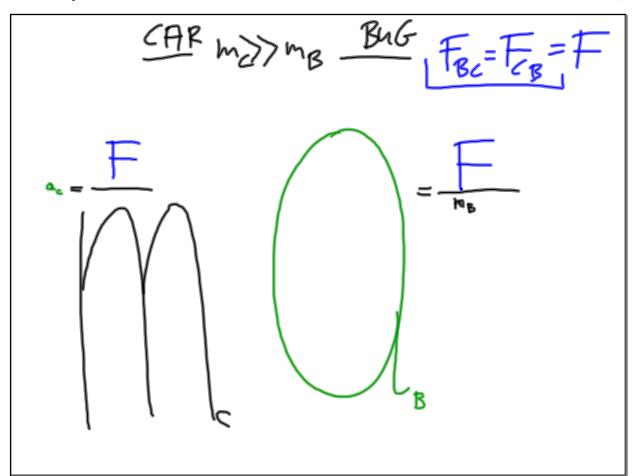
SLOW PULL

FIRST breaks string 1

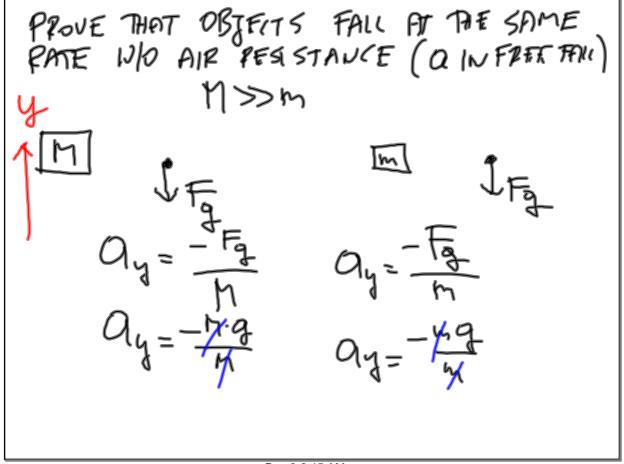
Since the pull is slow and gradual, the inertia of the ball doesn't matter and the entire force F_{PS} is transfered to string 2 to string 1.

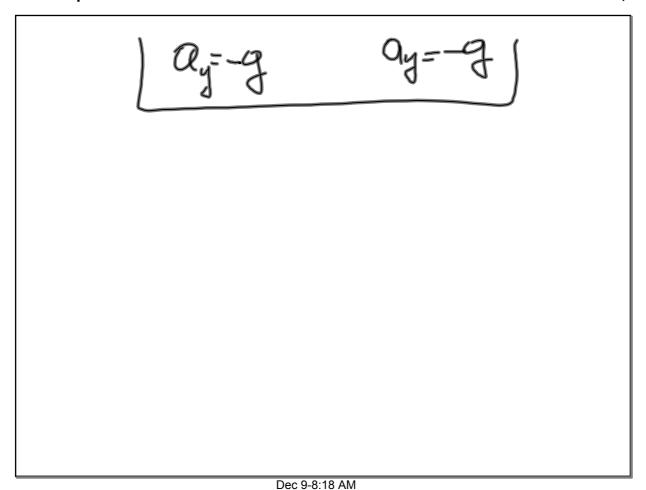
Dec 9-7:50 AM

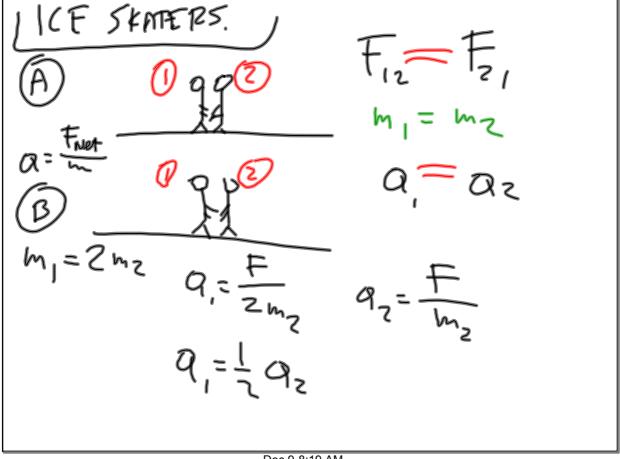




Dec 9-8:10 AM







Dec 9-8:19 AM