	20-P-MOM-DY-44
	A spring is used to stop the momentum of a m= 2000kg car. traveling at v= 10 m/s. Assuming that the car does not deform,
	traveling at v = 10 m/s Assuming that the car does not deform
	Vetermine the norizontal impulse needed to stop the car. How would
	Determine the norizontal impulse needed to stop the car. How would the horizontal impulse change if a rigid brace was used instead
	of a spring:
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	Solution: my + ZSFdt = mv2
	mvz-mva =-SFdt
	The state of the s
	SF3dt = 20000 N.s
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	doesn't matter if a
	rigid brace was used.
	rigid brace was used.