Case 3 inelastic
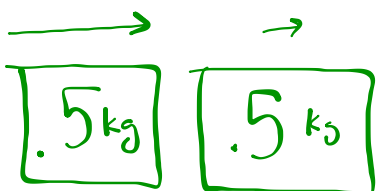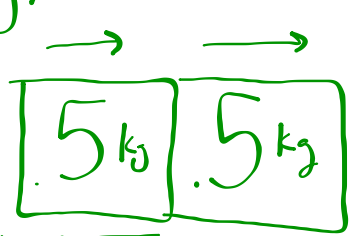
- Stick together
- same mass
- both carts moving in same direction — first cart moves slowly, second is faster

→ →

| .5 kg | .5 kg |

0.0004590   0.2052
m/s   m/s

reversed?

0.2052   0.0004590
m/s   m/s

→ →

| .5 kg | .5 kg |

0.01235   0.3877
m/s   m/s

should be the same...

0.3877   0.3877
m/s   m/s

momentum ($\frac{kg \cdot m}{s}$)		momentum ($\frac{kg \cdot m}{s}$)	
cart 1 before	cart 2 before	cart 1 after	cart 2 after
0.1026	0.0002295	0.19385	0.19385
total: 0.1028295		total: 0.3877	

$P = m \cdot v$

something went wrong! The sensors might have been incorrect. The numbers might have been written down wrong. The statistics calculation might have been done in the wrong spot.