

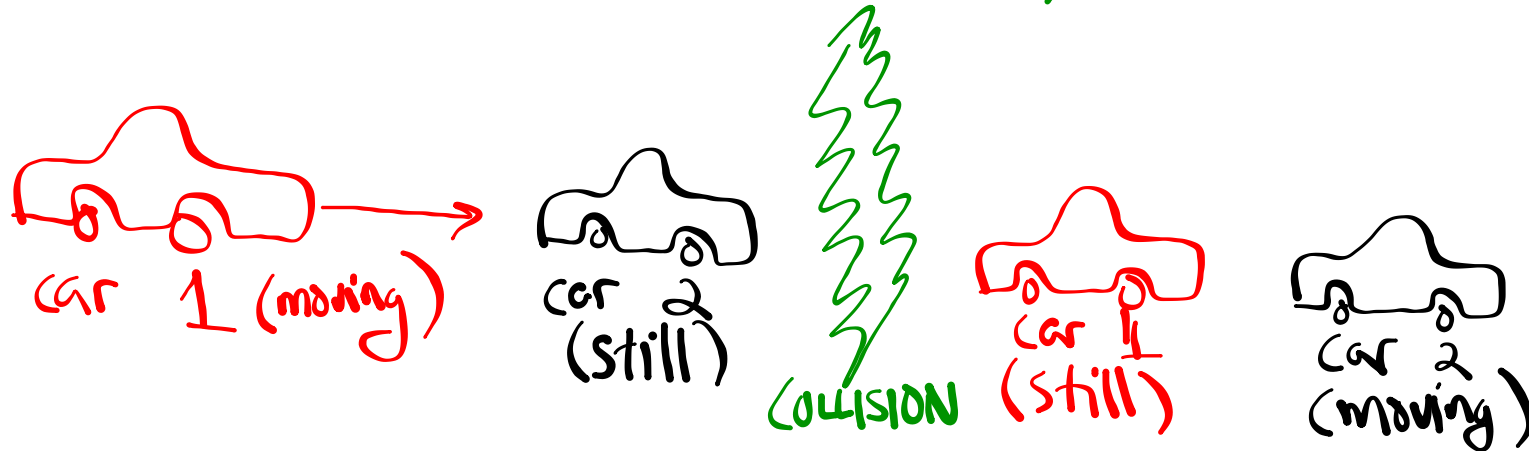
Law of Conservation of Momentum

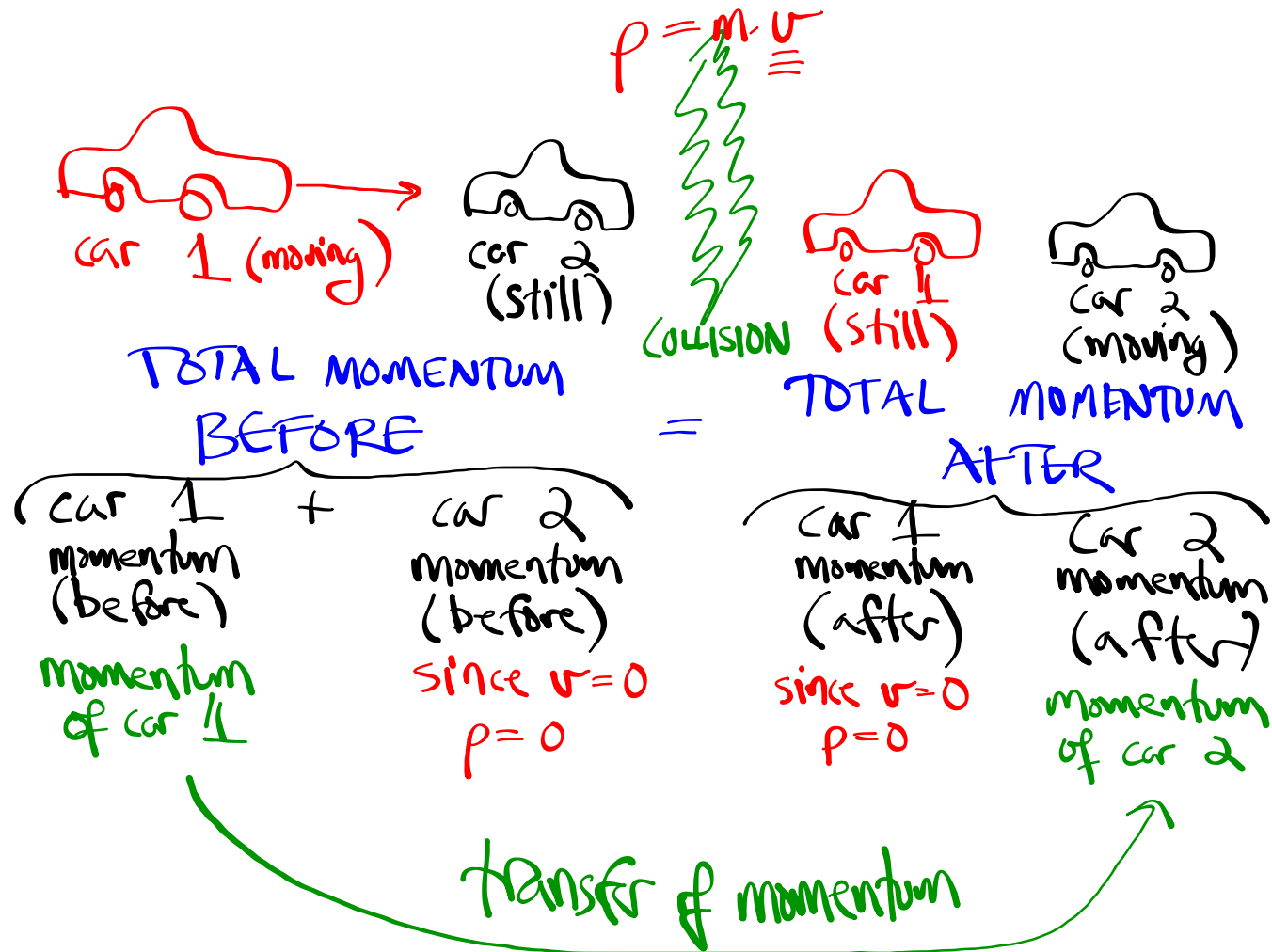
The total amount of momentum in any situation will stay the same (unless there is an outside force)

(like if we gave you each \$5 and you could buy music & food from each other)

In a really complicated situation,
there can be 100's of moving objects!

The simplest situation is a
collision between two objects:





the momentums will be the same.
 THE VELOCITIES WILL NOT
 NECESSARILY BE THE SAME!

