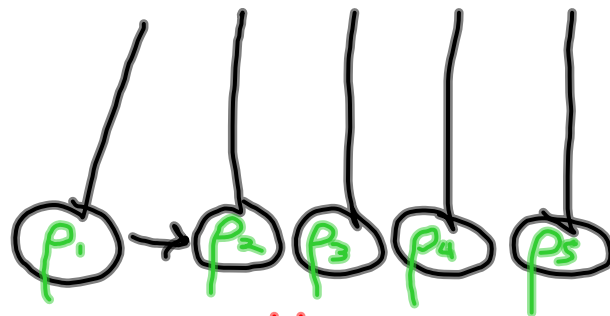


## Conservation of momentum:



$$p_1 + p_2 + p_3 + p_4 + p_5$$

" always the same

In any collision, the total amount of momentum stays the same

When objects collide, momentum is transferred from one object to another.



At first,  
Edgar is  
still and  
Bregar is  
running. After  
the collision, Bregar  
stops and  
Edgar goes  
flying off...

In this case, all of  
Bregar's momentum is  
transferred to Edgar