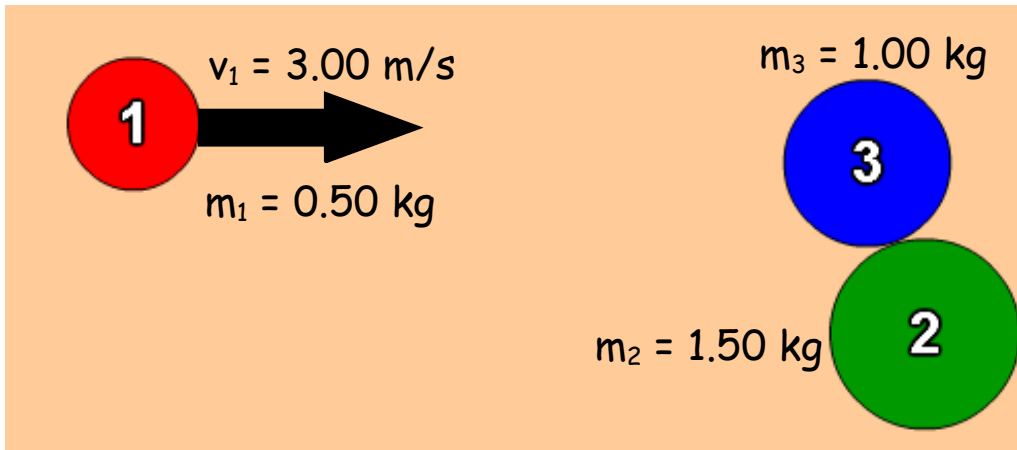


Calculate the velocity magnitudes of each ball after the collision given that their sum is 3.7161 m/s (keep a minimum of four decimal places throughout your calculations).

Before:



After:

