Reloading & shooting test

Description: the robot will start assuming it has just picked up the 3 balls. This means that the shooting mechanism is already rewinded and that the first ball is already in place in the shooting device while the other balls are stored at the back of the robot. The robot is to shoot, then reload, shoot the next ball, reload, and shoot again. This test will not mesure the accuracy of the shot but only the shooting and reloading mechanism.

Test 1 results : A problem was encountered because the string used to pull the elastic back did not remain on the pin after the second reload.

Observations: Pieces of tape on the side of the firing pin could help hold the string in place when firing

Test 2 results: Same issue as test 1. String moves from pin on 2nd reload.

Test 3 result: no issue, fired correctly all 3 time

Test 4: Same issue as test 1 and 2

Test 5: string moved away from pin on first and second reloads

Test 6: same as experiment 1

Test 7: same as test 1

Test 8: test executed flawlessly

Test 9: same as test 4