2 Go and Back

Mission: The robot will travel the distance assigned and then move in reverse to the original starting point.
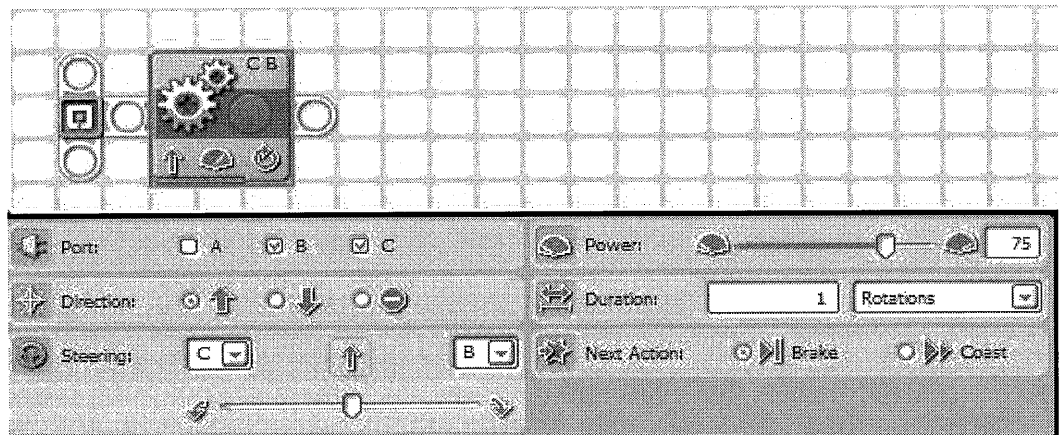
Equipment:
12 inch or 30 cm ruler

Sensors:
none

Goals:
Accomplish the mission
Record in the engineering journal the distance and the needed rotations to achieve it.
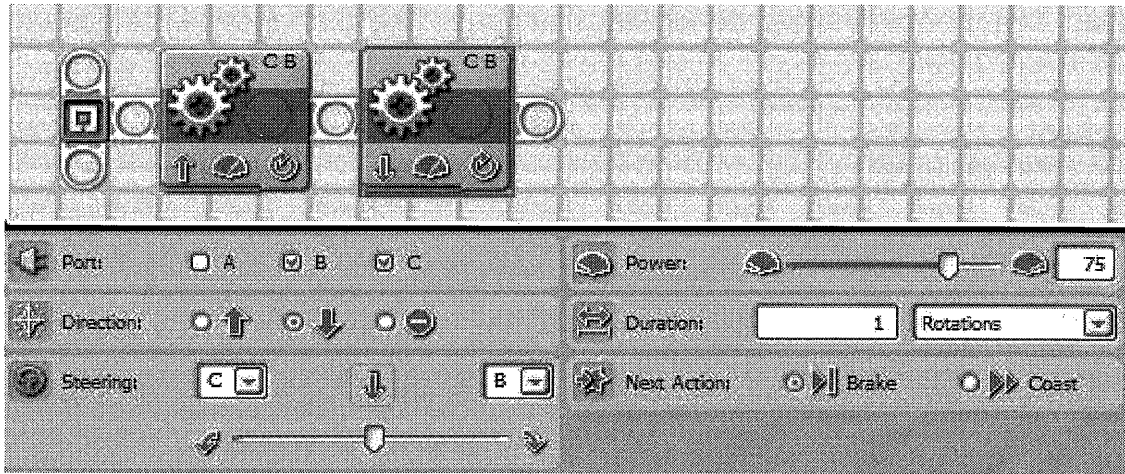
Directions:

1. Place a move block at the start of the program bar and set it for the number of rotations to go the assigned distance.

Notice that the arrow pointing up has an orange dot by it. This means that the robot will move forward.

2. Place another Move block after the first one and set it to go in reverse the same distance as the first one.

This time you clicked the arrow pointing down. This means the robot will move backward.

Secret to success: Figure out how many rotations it takes to go one foot and write it down. This will help you in future assignments so you can measure distances in later missions and then figure out how many rotations for the robot to move.