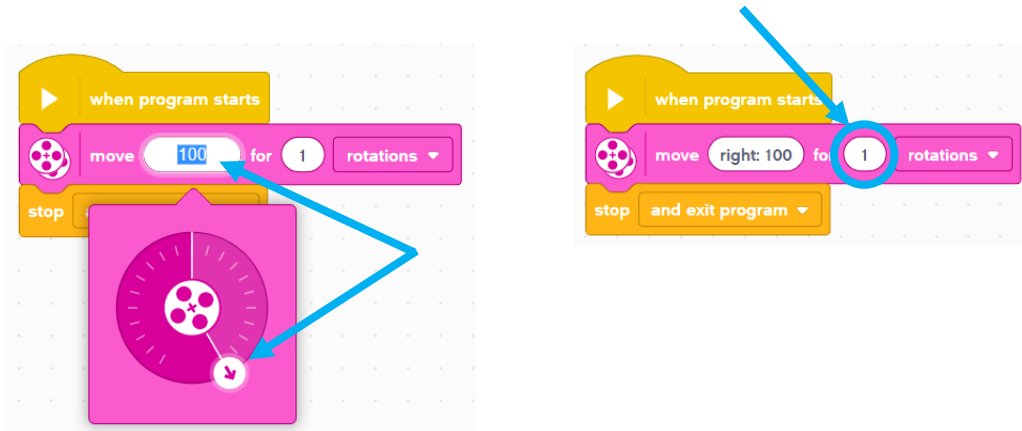


Turning Exercise – Part 1

Name: _____

- To make your robot **turn sharply**, have the steering on the <Move> Block set to 100. Set the wheel rotations to 1.



- The wheels make **1 rotation**. How far does the robot **turn**?

Hint:
Use "half a turn",
"a full turn", or
something similar

Hint: Place your robot on the center of intersecting lines. Line up your wheel axle with one of the lines.

The wheels *rotate*

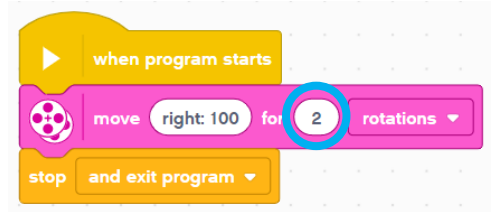


The robot *turns*



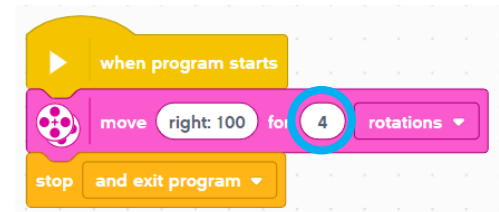
3. The wheels make **2 rotations**. Estimate (guess) how far the robot will **turn**.

Now program the robot with 2 wheel rotations.
How far does the robot **turn**?



4. The wheels make **4 rotations**. Estimate again: how far will the robot turn?

Now program the robot with 4 wheel rotations.
How far does the robot **turn**?



5. Challenge:

The wheels make **1.5 rotations**. Do you know how far the robot will turn? Write down what you think.

Now program the robot with 1.5 wheel rotations. How far does the robot turn?

