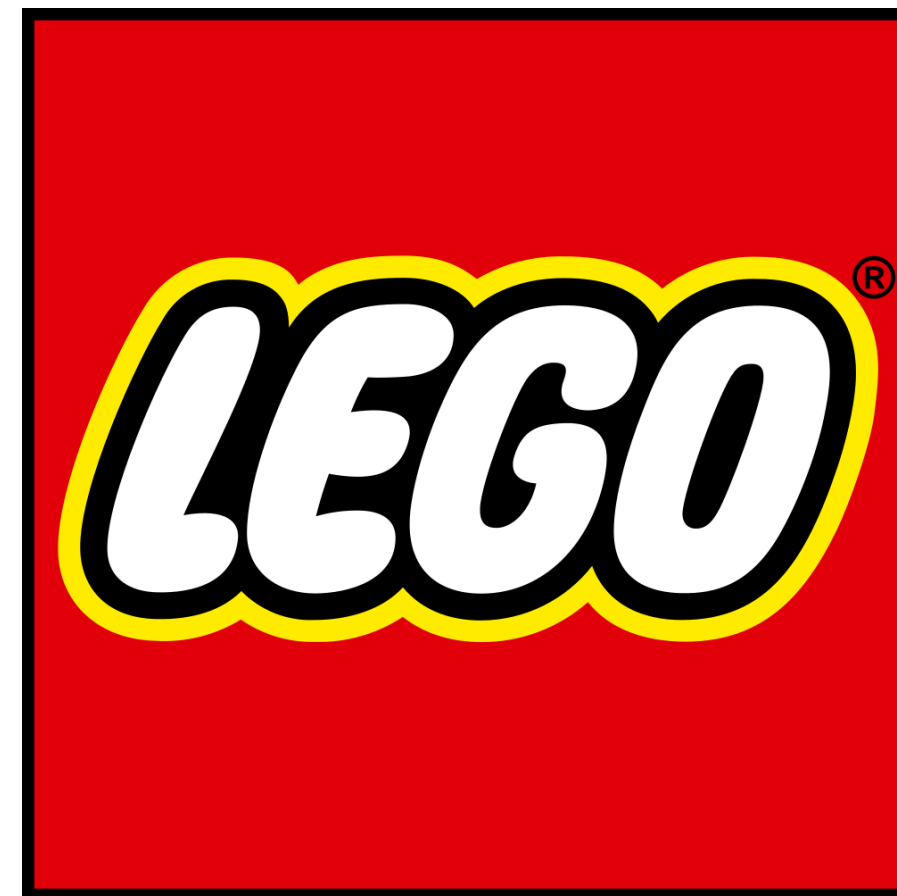


Parkside Montessori



February 15, 2024

Recap

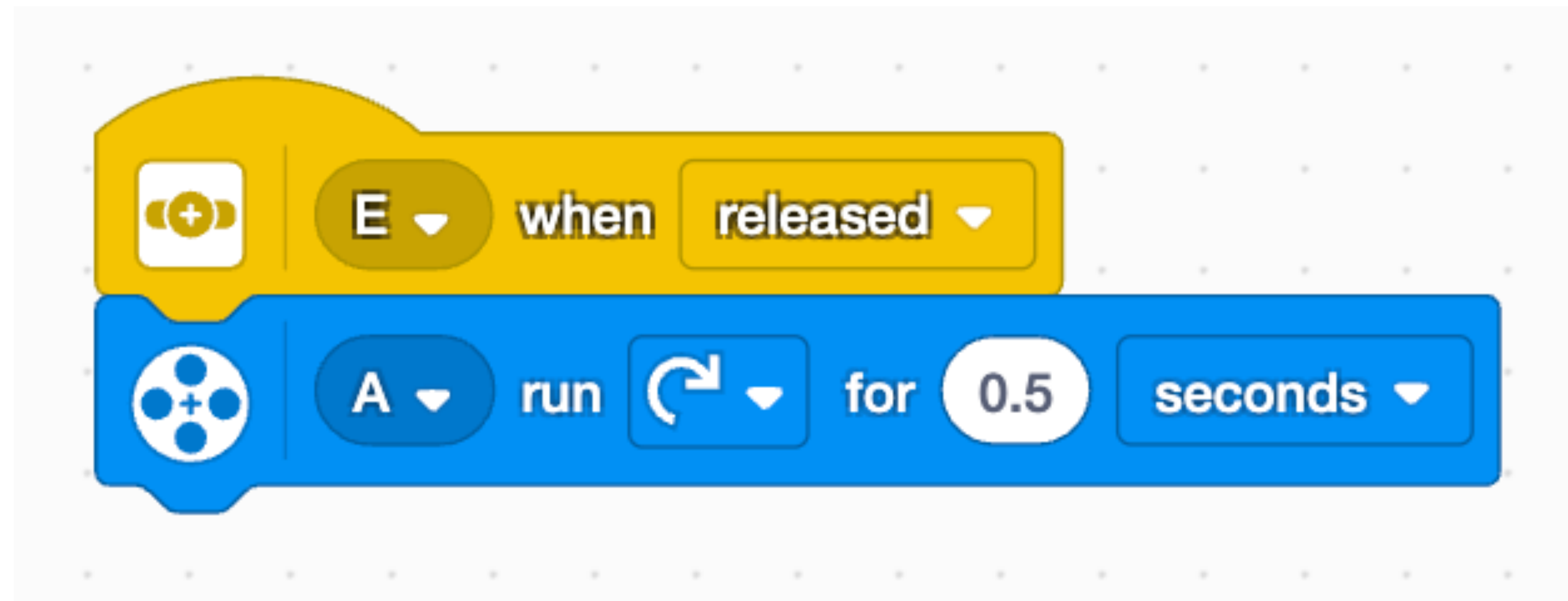
- Chromebooks only for LEGO
- Listen when an adult is speaking
- Treat each other with respect
- Don't borrow parts from another set

- Fully disassemble set once you're done
- Raise your hand and have an adult look over before returning

What If...



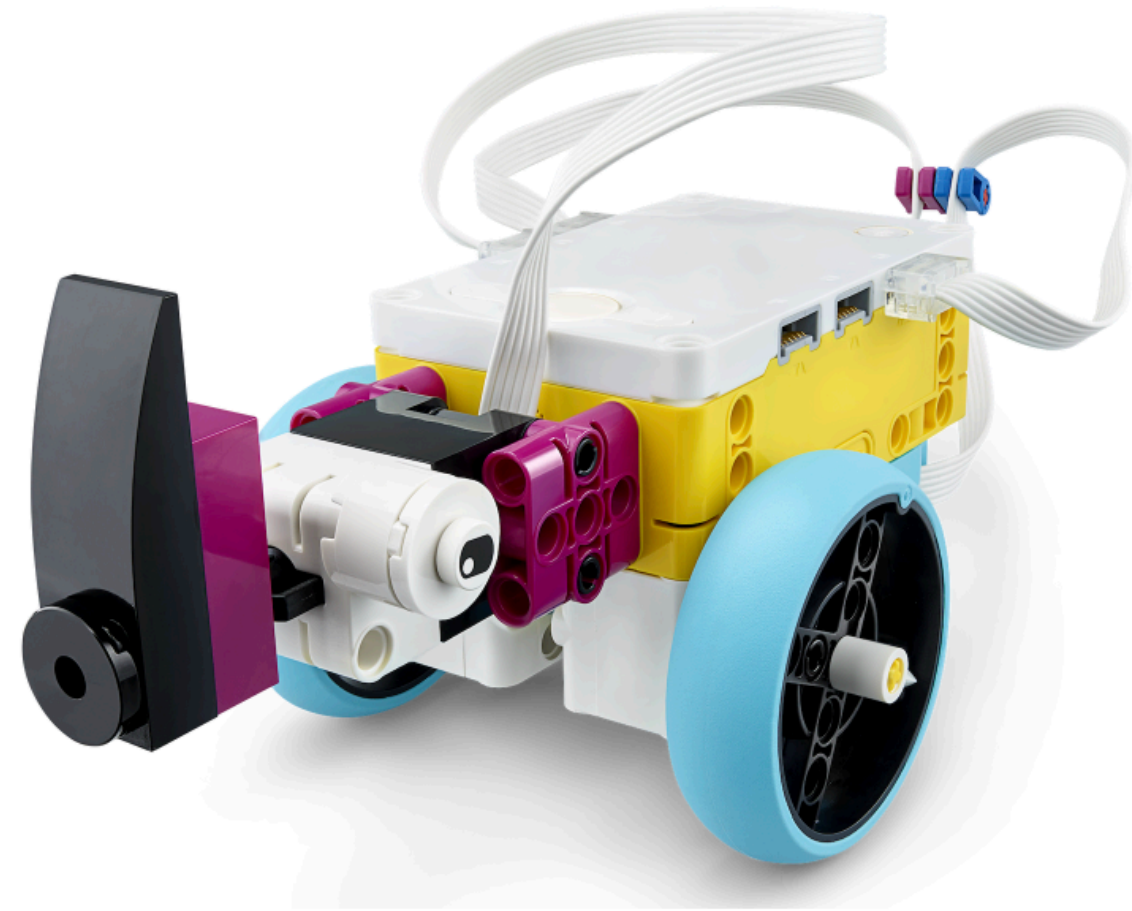
What does this do?



Today's Build

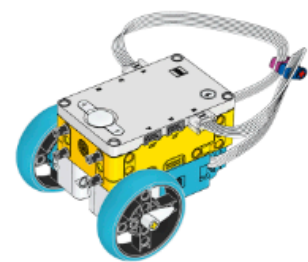
Building instructions

Rhino



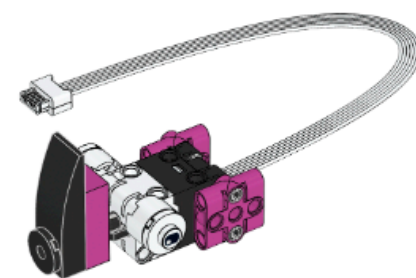
- Build both the body and head
- Keep your Rhino's on the table, DO NOT run them on the floor

Rhino's Body



16 steps

Rhino's Head



11 steps

Available blocks to use

The screenshot displays the LEGO Mindstorms software interface. On the left is a block palette with categories: MOVEMENT (pink blocks), EVENTS (yellow blocks), CONTROL (orange blocks), and SENSORS (blue blocks). The workspace in the center contains a program starting with 'when program starts', followed by 'set movement motors to B+A', 'set movement speed to 50%', and 'move up for 10 rotations'. On the right is a lesson screen titled '04/07' with an image of a LEGO Rhino robot and the instruction 'Stop at the brick!'. The lesson text reads: 'Keeping the LEGO brick 1 meter (39 in.) from the Rhino's nose, adjust your program to make the Rhino stop as close to the brick as possible, without touching it.' At the bottom right of the lesson screen are navigation arrows and a play button.

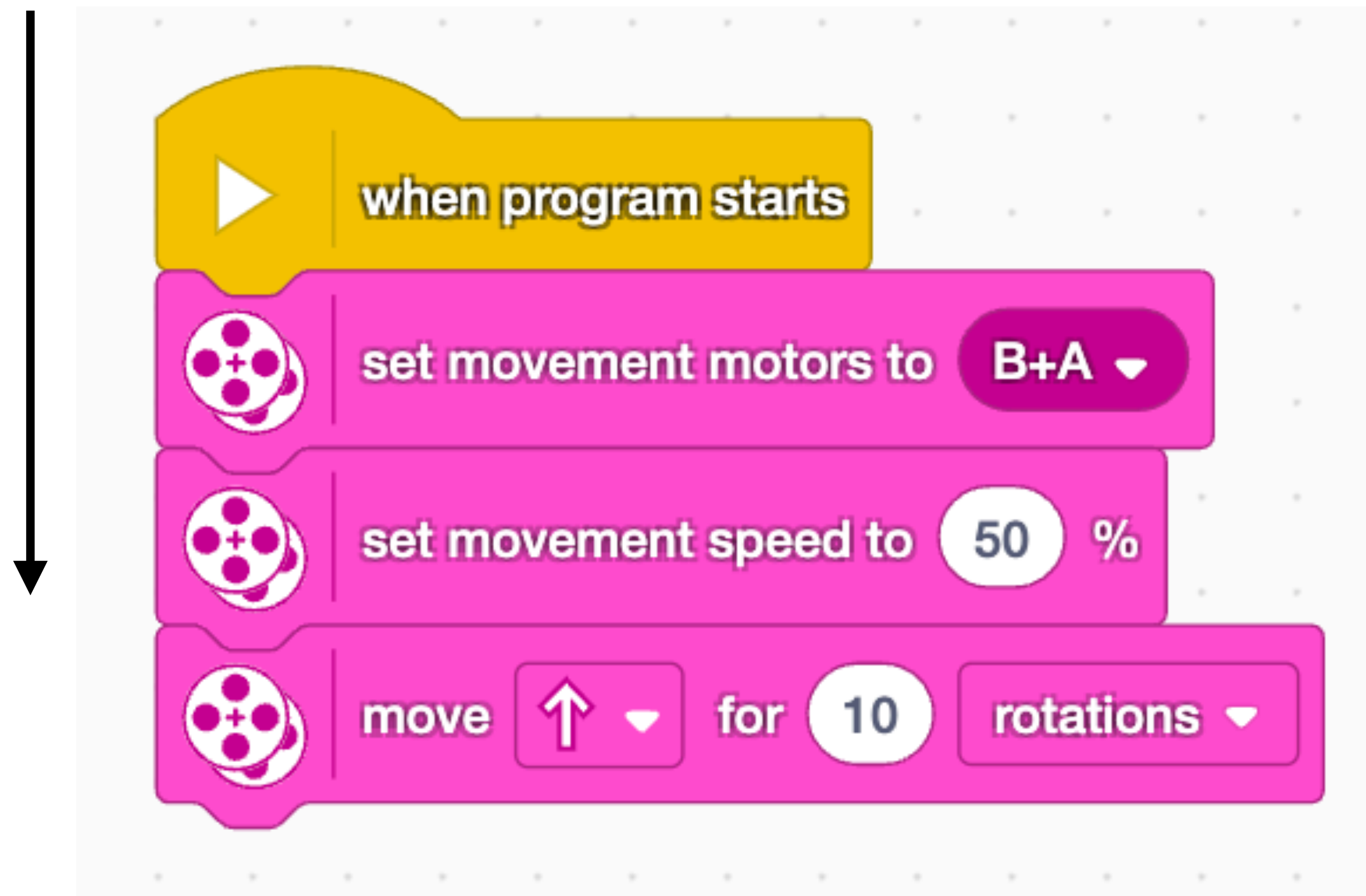
Drag blocks into workspace to use

Don't forget to scroll down to see all the instructions

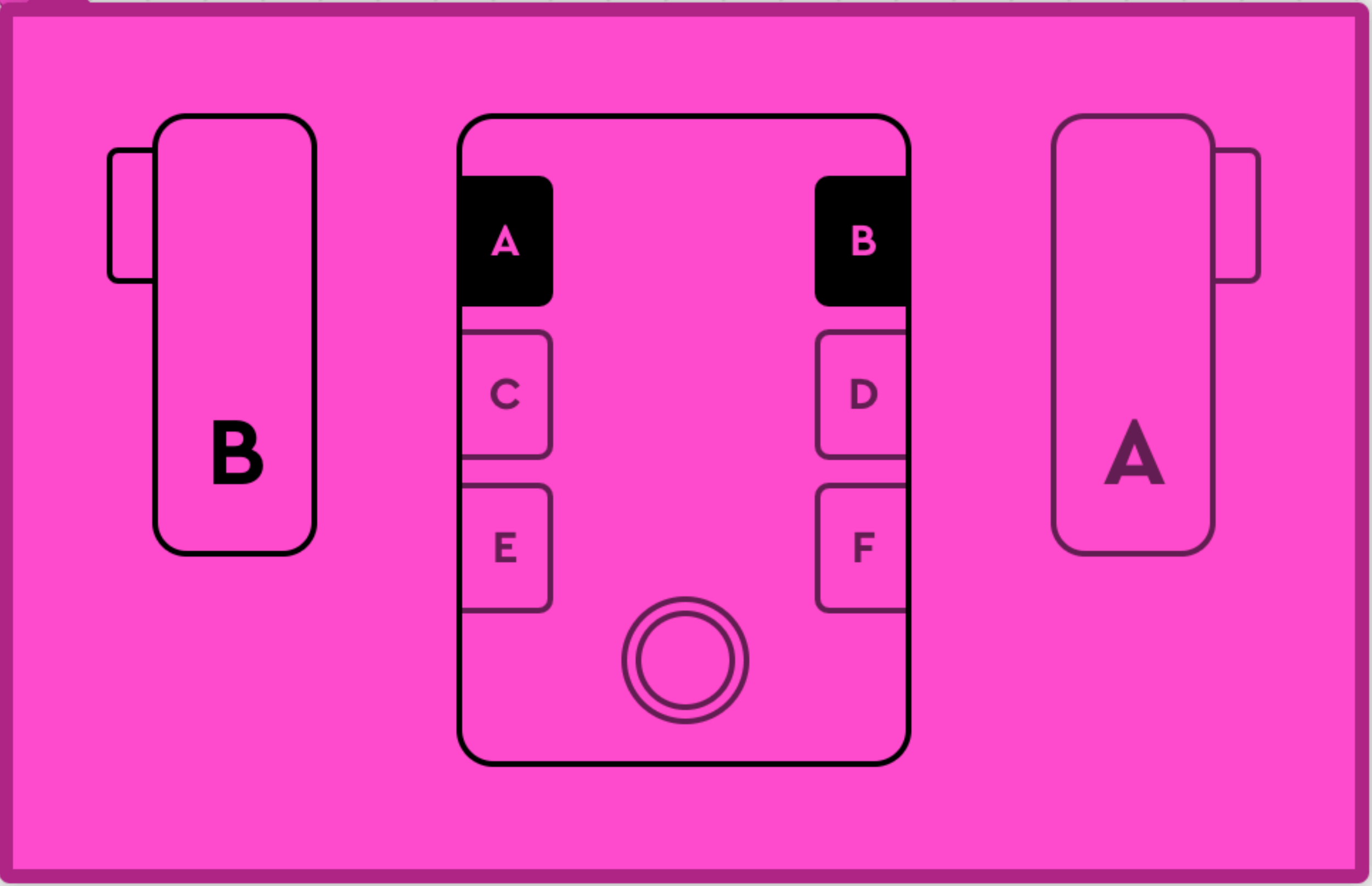
Press to run your program

Movement Commands

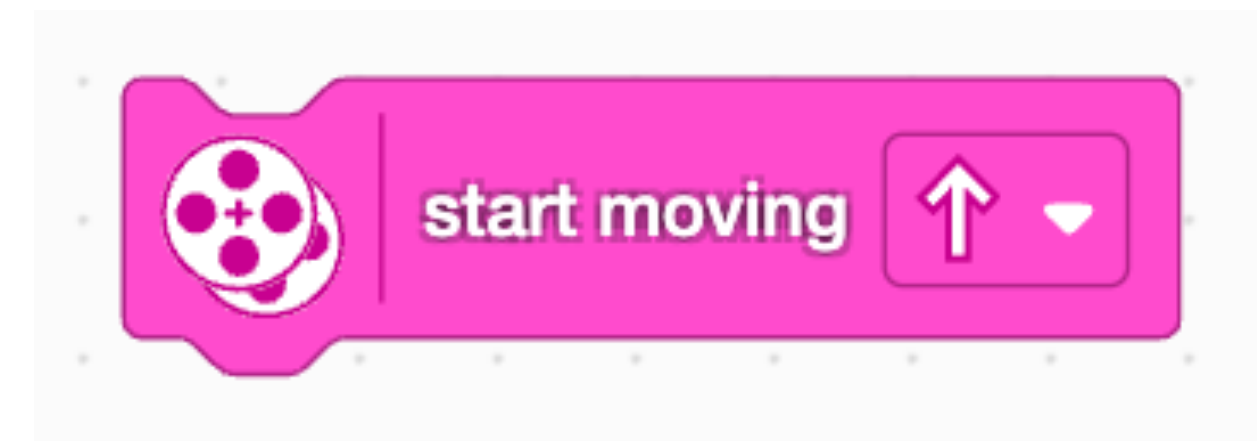
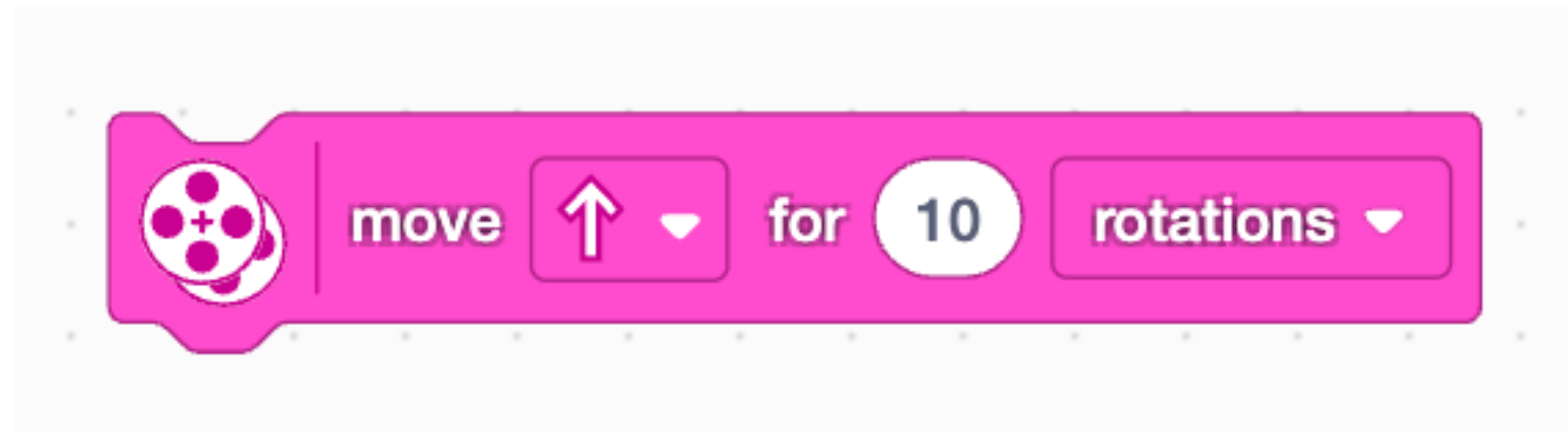
Program run direction




```
when program starts
  set movement motors to B+A
  set movement speed to 50
  start moving ↑
  wait until E is pressed
  stop moving
```

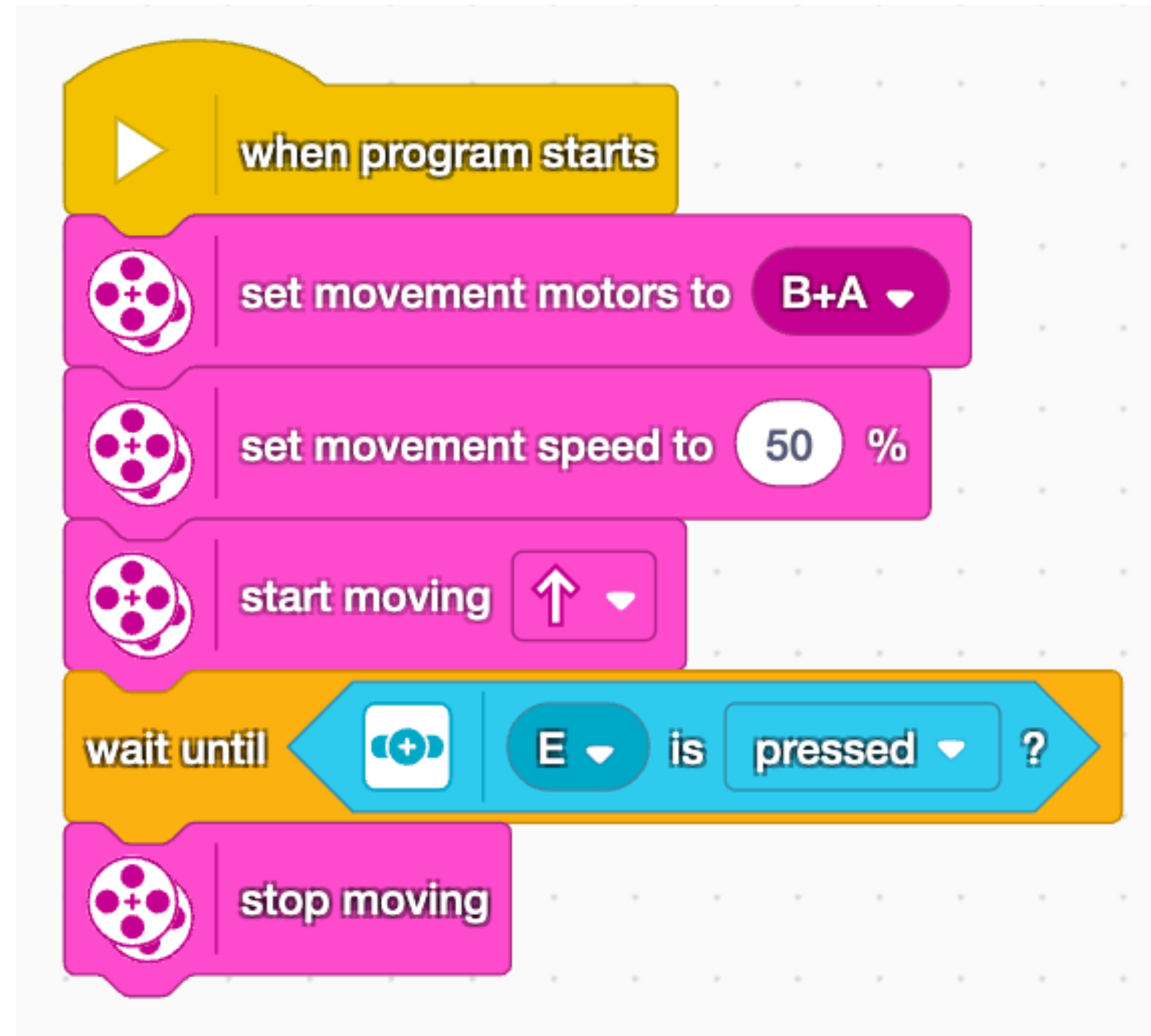


Move Forward



Control Block: Wait Until

Program run direction



Get Started

<https://spike.legoeducation.com>

Unit Plans > Supplementary Lessons
> Going the Distance