

## Program blocks used in the experiments

Move the robot forward with both motors, and:

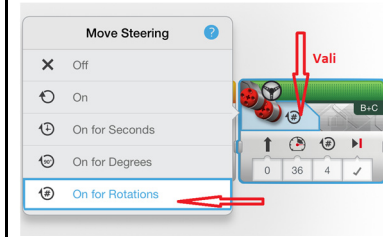
- change the robot's direction
- change the robot's speed
- change the distance or time of the movement
- in motor rotations or degrees
- stop the motors



Move the robot forward with both motors for set amount of rotations

- choose (if necessary) Change Mode
- choose On For Rotations
- choose change parameters:
  - 1) steering 0 to 100 moves the robot to the right, 0 to -100 to the left. 50/-50 only moves one wheel. 100/-100 makes the robot spin.
  - 2) motor speed 0 to 100 makes the robot drive forward, 0 to -100 backward;
  - 3) Set motor rotations.

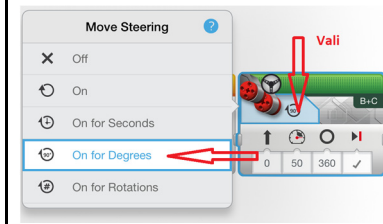
*NB! On the Driving Base model 1 motor rotation is 1 wheel rotation.*



Move the robot forward with both motors for set amount of degrees

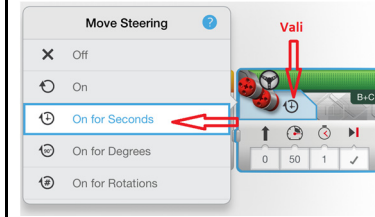
- Choose (if necessary) Change Mode
- Choose On For Degrees
- choose change parameters:
  - 1) steering 0 to 100 moves the robot to the right, 0 to -100 to the left. 50/-50 only moves on wheel. 100/-100 makes the robot spin.
  - 2) motor speed 0 to 100 makes the robot drive forward, 0 to -100 backward;
  - 3) Set motor degrees.

*NB! 1 motor rotation is 360 motor degrees!*

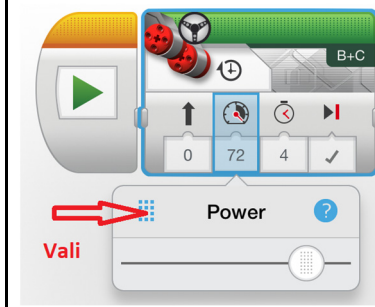


Move the robot forward with both motors for certain amount of seconds

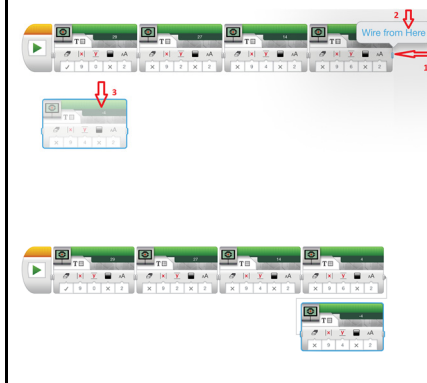
- choose Change Mode
- choose On For Seconds
- choose changing parameters:
  - 1) steering 0 to 100 moves the robot to the right, 0 to -100 to the left. 50/-50 only moves one wheel. 100/-100 makes the robot spin.
  - 2) motor speed 0 to 100 makes the robot drive forward, 0 to -100 backward;
  - 3) set seconds.



Inserting values by typing a number instead of using the slider



Split the program with a wire



Wait for certain time to pass:

- choose Change Mode
- choose Time
- enter time

