Loops

By Sanjay and Arvind Seshan

BEGINNER PROGRAMMING LESSONS

LESSON OBJECTIVES

1. Learn how to repeat an action

2. Learn how to use Loop Blocks
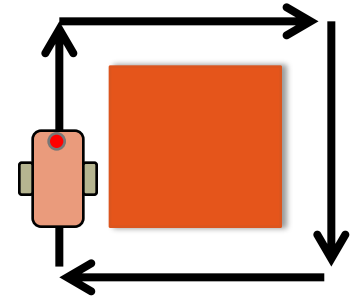
REPEATING AN ACTION

Let's say we want the robot to repeat an action over and over again.

Would you just copy the block multiple times?

   Sure, that could work!

What if I want to repeat that block forever?
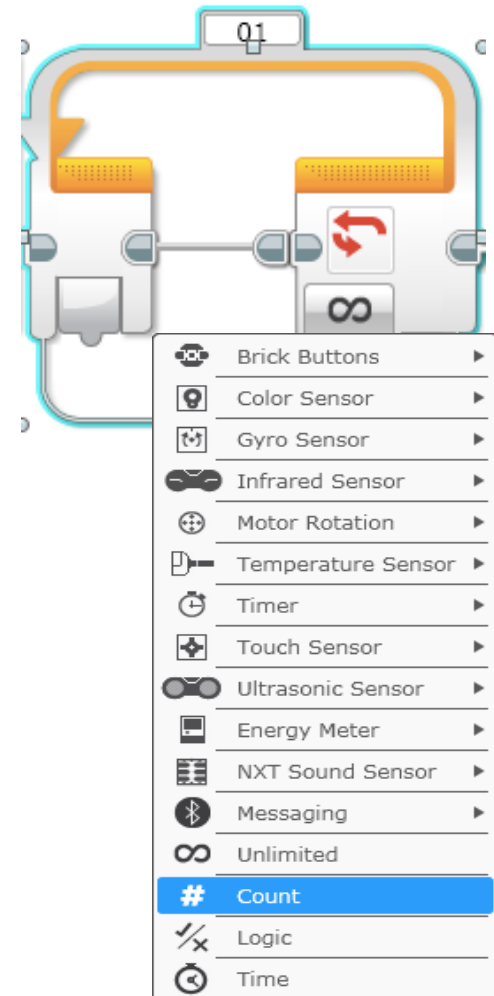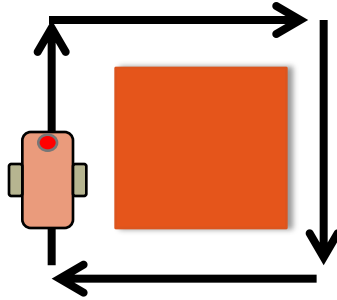
   Now what?

LOOPS

Loops make repeating a task multiple times easy

The added benefit is that a loop can end whenever you want (a specific number of times, run forever, a specific condition, etc)
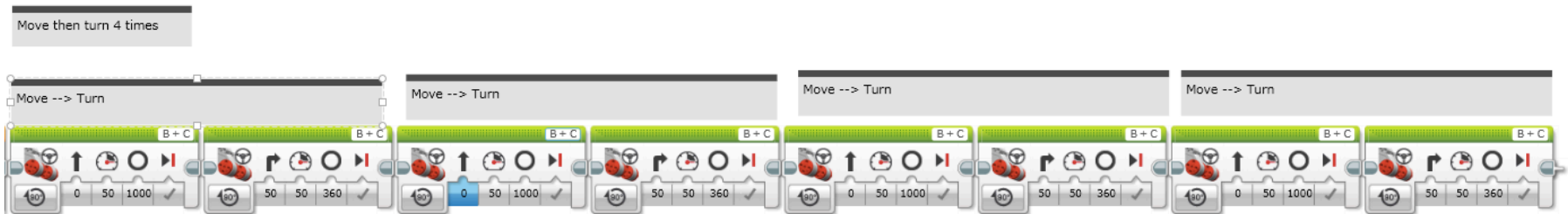
LOOP CHALLENGE

Challenge: Write a program to go around a box once.

The simple way is to code it like this:

Use a loop to improve the code

LOOP CHALLENGE SOLUTION

Run 4 times

CREDITS

- **This tutorial was created by Sanjay Seshan and Arvind Seshan**

- **More lessons are available at www.ev3lessons.com**

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