### Beginner Programming Lesson: Basic Sequencer

BY

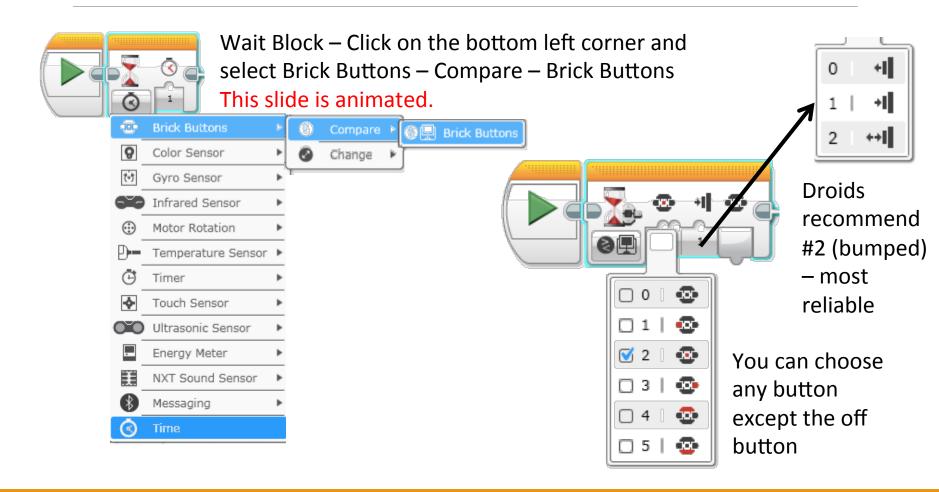
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### Using EV3 Brick Buttons as a Sensor

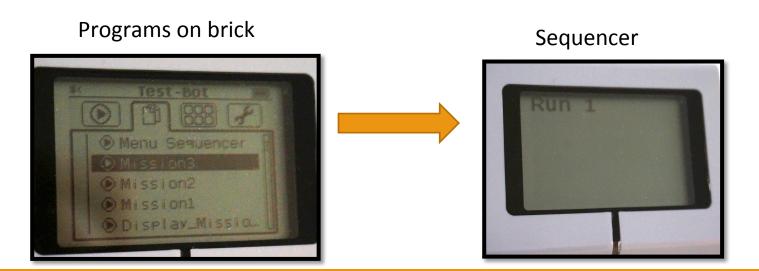
- All the EV3 brick buttons (except the OFF button) are like the touch sensor
- You can use the buttons to make a game, run different actions based on each button, or make a sequencer (explained on slide 4).
- You do not need to waste a sensor port on a touch sensor if you plan to use the touch sensor like a button.
- The first step to making a Basic Sequencer is to learn how to use the "Wait for Button Press" feature. See next slide (slide 3)

## How to Use a "Wait for Button Press" Block

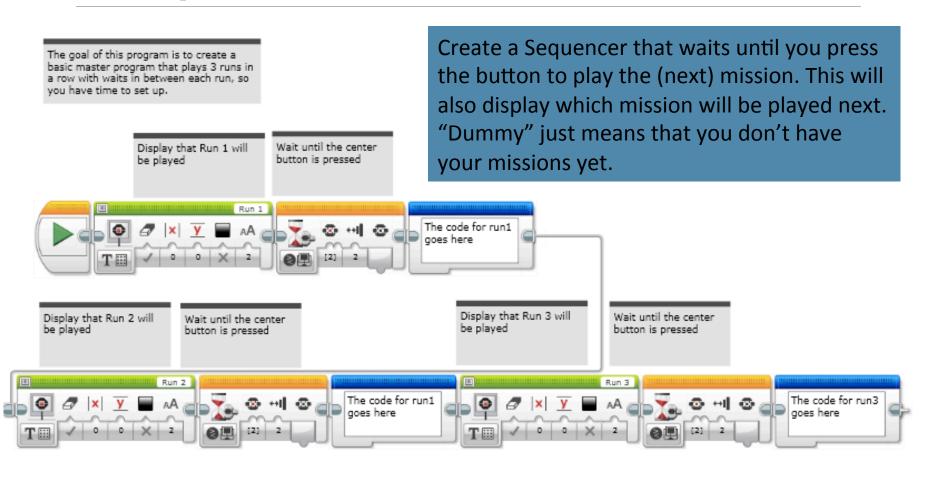


# What is a Sequencer and and Why Use one?

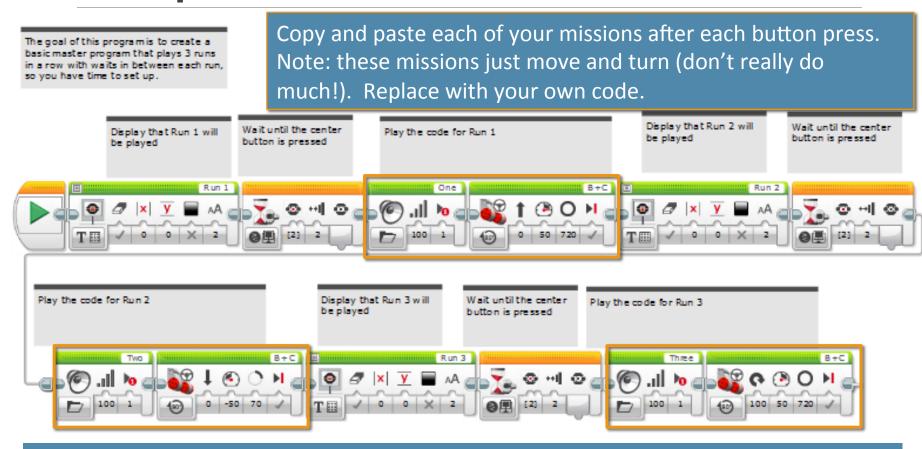
- A sequencer is a program that puts your missions in the order you choose. It is sometimes called a Master Program or a Menu System.
- Advantages: You will not need to search for the program in a jumble of programs on the brick. This will save you time on your runs.
- Disadvantages: You will not be able to re-run each program easily with a basic sequencer (check our more advanced Menu System lesson)



# Step 1: Create A "Dummy" Sequencer



#### Step 2: Add missions



This sequencer code is set up for only 3 runs.... You can add more to the program

#### **Credits**

- This lesson was written by Sanjay Seshan and Arvind Seshan from Droids Robotics.
- Feel free to use and adapt, but give credit to the original authors.
- >A more advanced Sequencer lesson can be found on ev3lessons.com
- ➤ More lessons are available at www.ev3lessons.com

