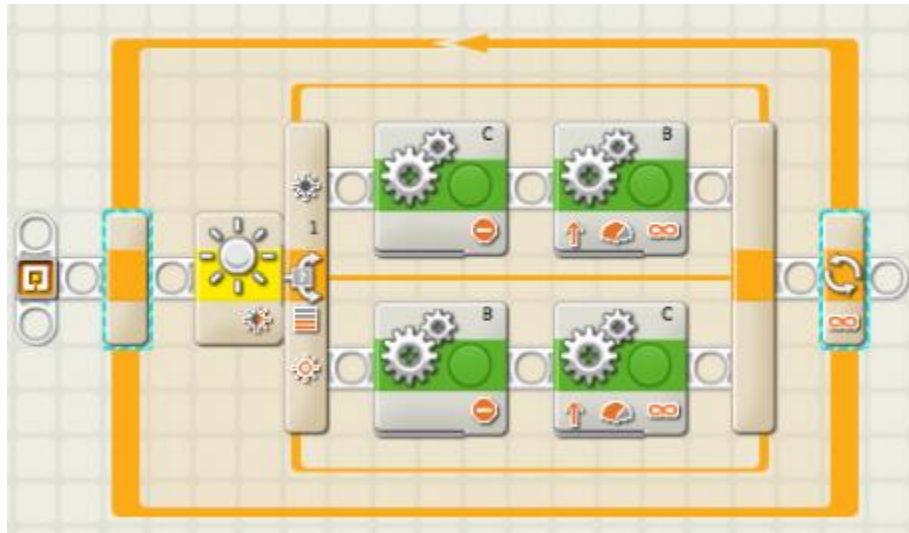


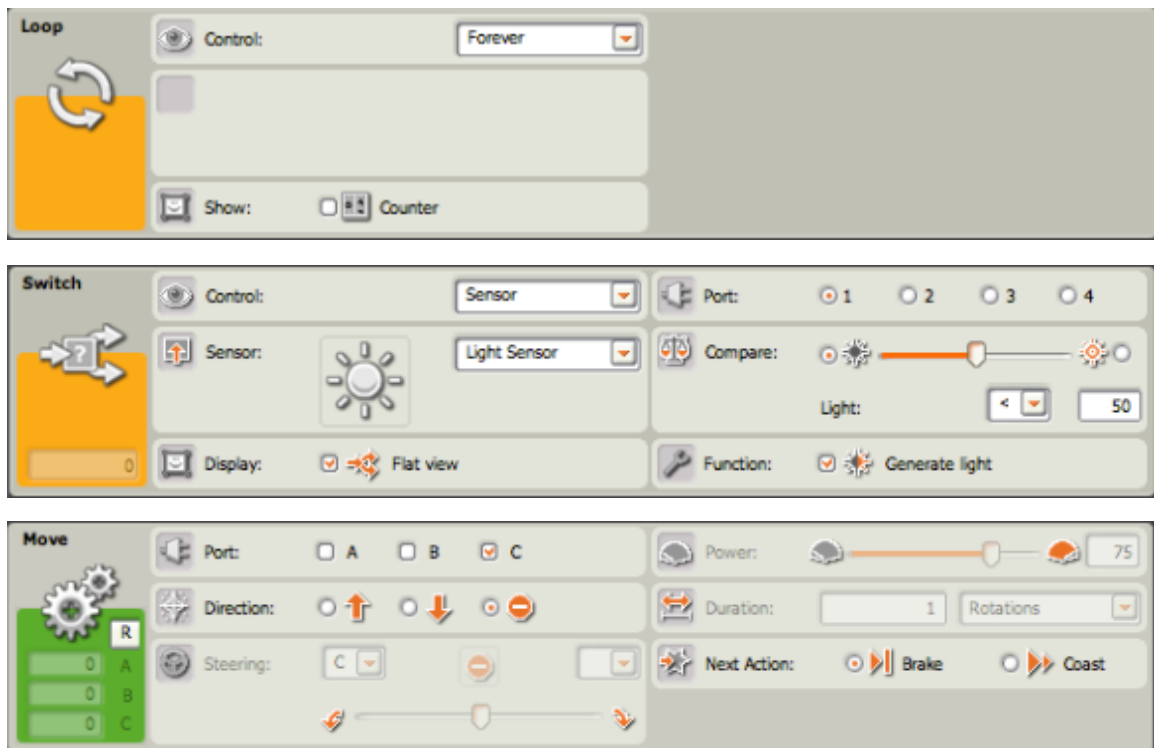
## Example Robot Line-Follow Program

Below is an example program that can be used to make an NXT LEGO robot follow a dark line on a light background. The “Overview” visualization illustrates the completed NXT 2.0 program, which can be assembled using NXT 2.0 software (included with any LEGO MINDSTORMS NXT 2.0 robot kit) by sequentially adding the individual blocks displayed under “Block Details.”

### Overview



### Block Details



The screenshot displays three blocks from the NXT 2.0 software interface:

- Loop:** Control: Forever. Show:  Counter.
- Switch:** Control: Sensor. Port: 1, 2, 3, 4. Sensor: Light Sensor. Compare:   . Light: 50. Display:  Flat view. Function:  Generate light.
- Move:** Port:  A  B  C. Power: 75. Direction:   . Duration: 1 Rotations. Next Action:  Brake  Coast. Steering: C   .

**Move**

Port:  A  B  C

Direction:  ↑  ↓  ↻

Steering:  B  ↑  ↓

Power: 75

Duration: 360 Unlimited

Next Action:  Brake  Coast

0 A  
0 B  
0 C

R

**Move**

Port:  A  B  C

Direction:  ↑  ↓  ↻

Steering:  C  ↑  ↓

Power: 75

Duration: 360 Unlimited

Next Action:  Brake  Coast

0 A  
0 B  
0 C

R

**Move**

Port:  A  B  C

Direction:  ↑  ↓  ↻

Steering:  B  ↑  ↓

Power: 75

Duration: 1 Rotations

Next Action:  Brake  Coast

0 A  
0 B  
0 C

R