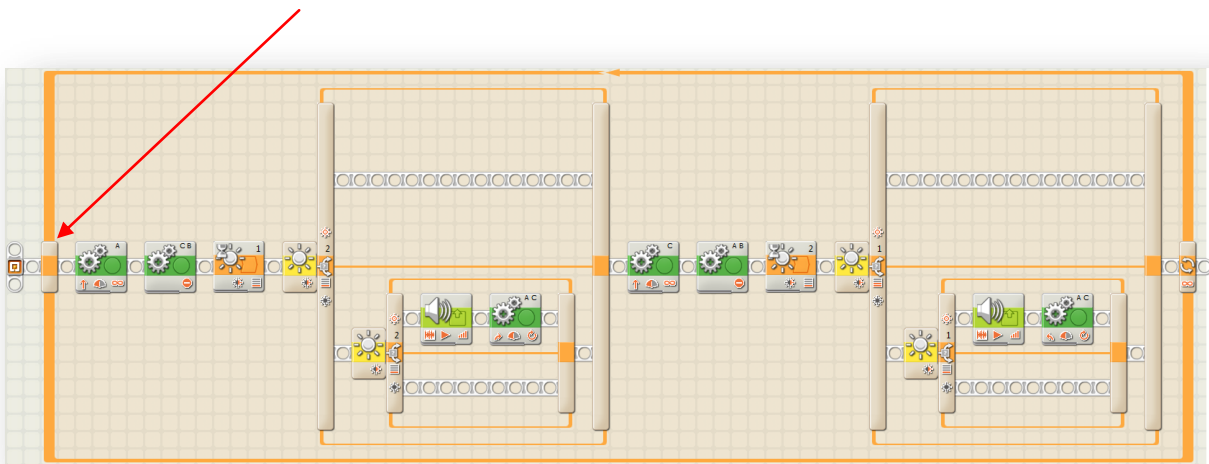

DETECT THE CHEMICAL SPILL

DETECT THE CHEMICAL SPILL

If your robot successfully negotiates the entire Rescue Field it will find itself at the beginning of the Chemical Spill. The Chemical Spill is identified by a silver foil strip which will read over 80 with light sensors. What our robot needs to do is to be constantly looking for the silver foil strip.

Our program to date is using a Forever Loop Block around our entire program so that the robot will follow the line and negotiate the interactions. However, when we get to the Chemical Spill we want the robot to stop line following and start looking for the victim.

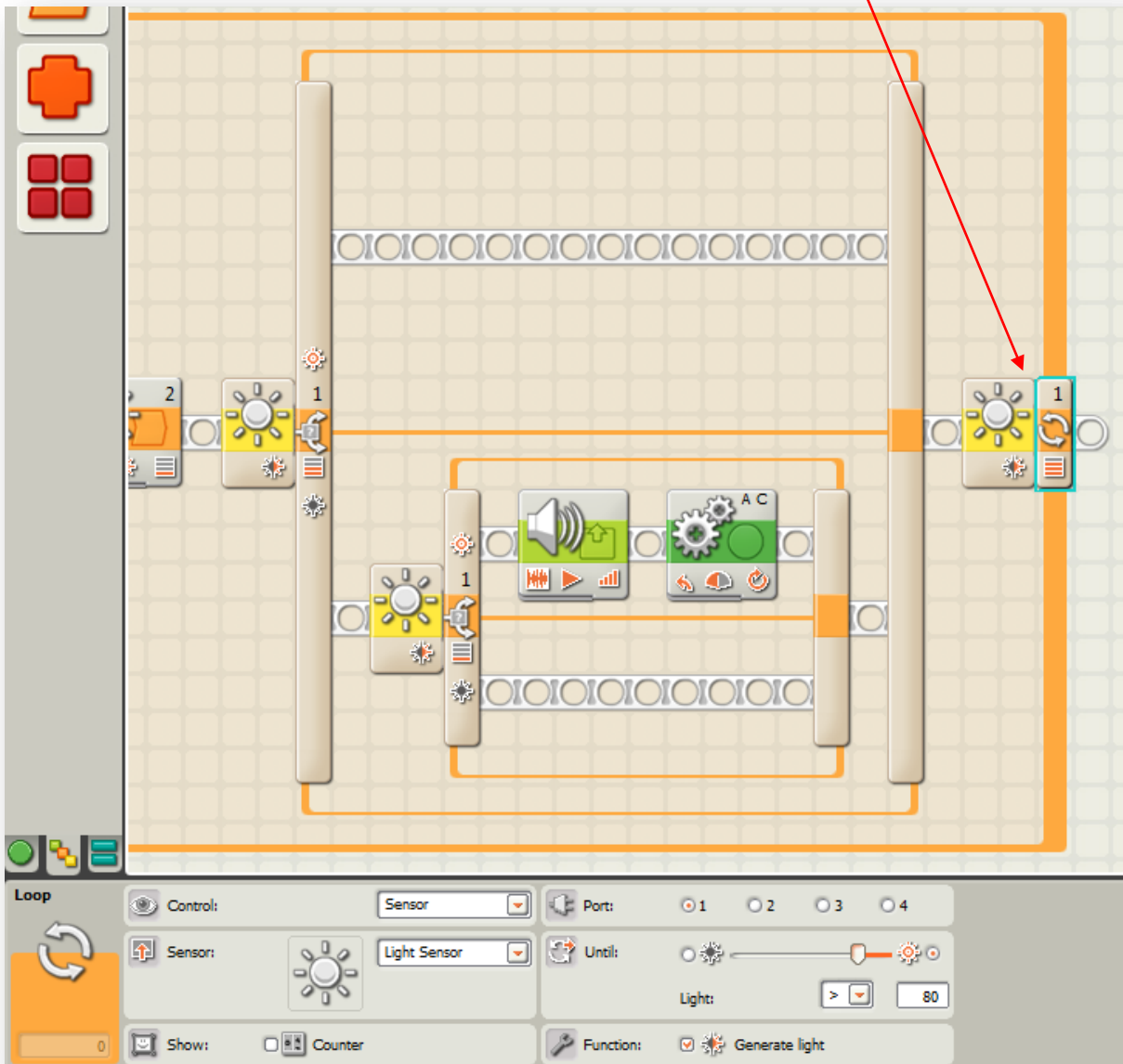
Controlling Forever Loop Block.



To stop the robot line following we simply need to have the Forever Loop change to one that waits for one of the light sensors to detect a reading greater than 80.

DETECT THE CHEMICAL SPILL (CONT...)

1. Open the Turn on Green.rbt program and then select the Forever Loop Block.



- 1a. Change the properties to, Control is Sensor, Sensor is Light, Port is Port 1 and Until is Greater than 80.

Now try your robot on the course and see if the robot stops when it reaches the foil strip indicating the chemical spill.