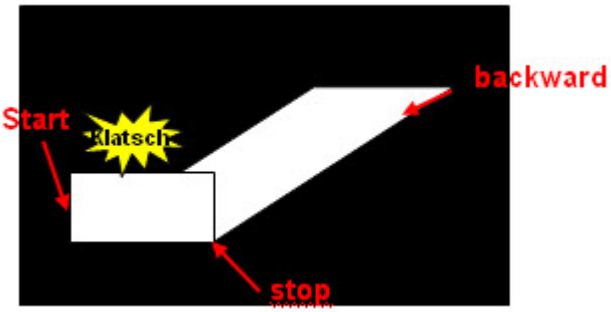
Print

Series 5: Using multiple sensors

Used Robot: LegoRobot with a gear, touch- , light and soundsensor

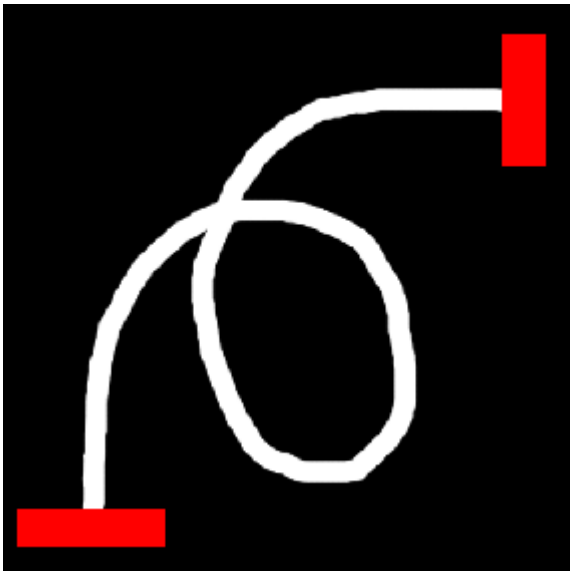
1. A robot with light, touch and sound sensor moves back and forth on a black, slippery slope. The robot starts moving after hearing an acoustic signal. Aften the robot moves forward until it detects the end of the path with the light sensor. Moves back and then stops when he registered the rear wall with the touch sensor. After next acoustic signal the robot move forward.

   For the simulation you can need the example

   BridgeAndWall.java

2. A robot with two light sensors, touch and sound sensor moves between the two red walls back and forth on a white path. The start is with a gossip. The robot moves forward until he arrives with the touch sensor on the wall, rotates 180 ° (before rotation must return something) and then moves back to the white path back to the second wall, etc.

   In simulation mode, you can use the sprite *track.png*, this is stored on the server. You can use or draw your own background image.

   Example for simulation: Track.java