

# 1 S-R-A LOOP

## 1.1 Tasks:

1. Write the program to drive the robot around the class and avoid the obstacles.
2. Using the S-R-A loop technique you should write the program in particular order:
  1. Check the sensor. IF the bumper ...
  2. ... is pressed the robot has to stop/go back/turn.
  3. ... is not pressed the robot can drive forward.

## 1.2 Questions:

1. Would this routine also work in Arduino run first function (check the program in Slide 2)?
2. <+>

## 1.3 Summary:

### 1.3.1 Sensing-Reasoning-Acting Loop

S-R-A loop is the most important thing in robotics.

## 1.4 Issues:

### 1.4.1 *It seems that the program is not working right ... like it would be ignoring the value of the sensor.*

Probably the S-R-A loop is not actually a loop. Check the program if the input is read just once or is read continuously.