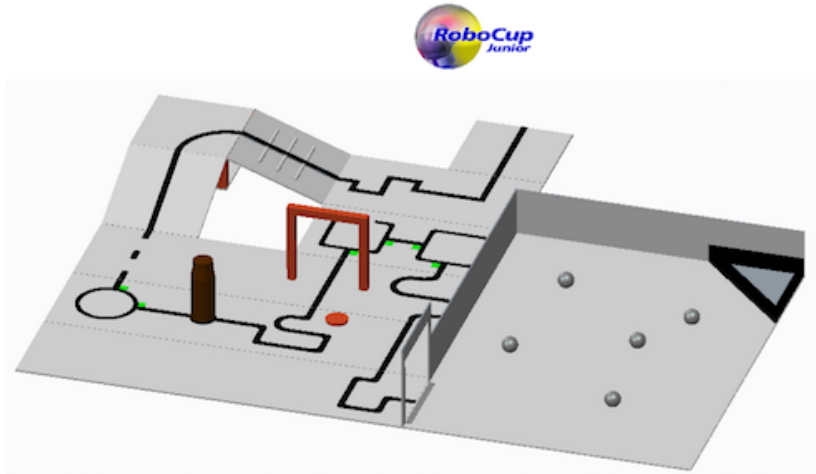


MOOC Autonomous Mobile Robots Week 6



(<http://rcj.robocup.org/rescue.html>)

Week 6 - Ball Picking Challenge

Part 2: Pick and Place

This challenge is inspired in the [Robocup Junior Rescue Competition \(http://www.robocup2016.org/en/leagues/robocupjunior/rescue/\)](http://www.robocup2016.org/en/leagues/robocupjunior/rescue/).

In the competition, the robot must navigate through the environment and find the *victims*, then transport the victim to a safe evacuation point where humans can take over.

In the first part of the challenge, the robot followed the line in the floor and avoid the obstacles.

The aim of this week is to program the robot for the second part of the challenge: pick up the balls and transport them to the corner. To do so, you need to reuse the abilities learnt in week 4; please feel free to reuse the code of those notebooks and exercises.

- [Second part of the challenge \(second_challenge.ipynb\)](#)

Ball Picking Challenge

Part 2: Pick and Place

The aim is to program the robot for the second part of the challenge: pick up the balls and transport them to the corner. To do so, you need to reuse the abilities learnt in week 4; please feel free to reuse the code of those notebooks and exercises.

```
In [ ]: # and here starts your job, good luck!
```

Try-a-Bot: an open source guide for robot programming

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