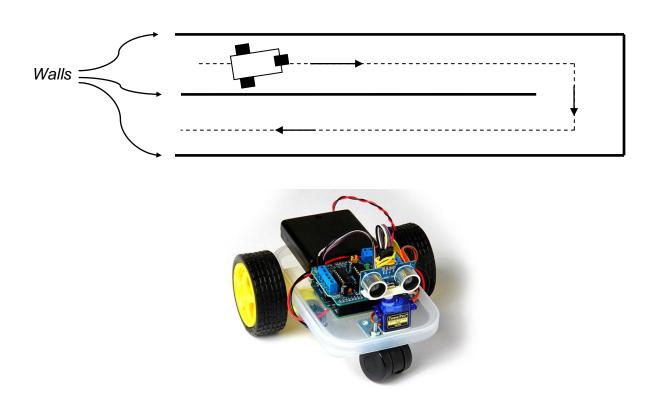
## EP486 Microcontroller Applications Final Exam Question University of Gaziantep, Department of Engineering of Physics (Deadline: 11/01/2014)

By using an Arduino board, design and construct a robot car that follows a predefined road whose top view is given below as fast as possible.



## Requirements:

- Just start and stop of the robot must be controlled remotely.
- Direction of the robot must be automated by an ultrasonic sensor.
- You can use any type and number of motors.
- You should take a video shoot (max 1 min) describing how it works.
   Then, upload the video to youTube and send the link by an e-mail to bingul\_at\_gantep.edu.tr.

## Marking:

If the robot get to finish: 50If remote control works: 10Video shoot: 5

• Speed of the robot: 65 - T (where T is the time in seconds)