The University of Western Australia
School of Engineering
Associate Lecturer Kieran Quirke-Brown

Robot Manipulators and Automation
AUTO4507

Lab Assignment 4 – *Group of 2* – Motion   Points: 4+6 = 10

Experiment 1 – Drawing and writing

The UR5e will be given a marker to hold. You will need to generate a number of via points and use inverse kinematics to control just the joints for drawing three shapes:
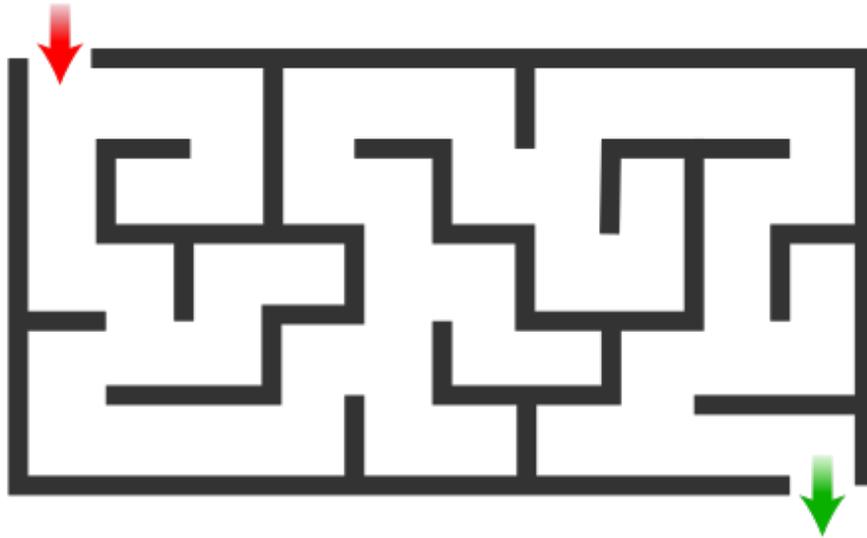
- Square
- Triangle
- Circle

https://stock.adobe.com/au/search?k=circle+square+triangle
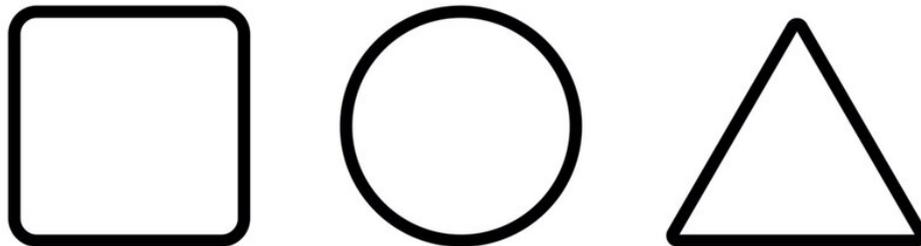
Experiment 2 – Traverse the maze

The Jenga block will be arranged into a small maze, you will need to draw the path from start to finish of the maze in exactly 5 seconds. The arm should move with constant velocity at all times using the speedj command.

https://commons.wikimedia.org/wiki/File:Maze_simple.svg