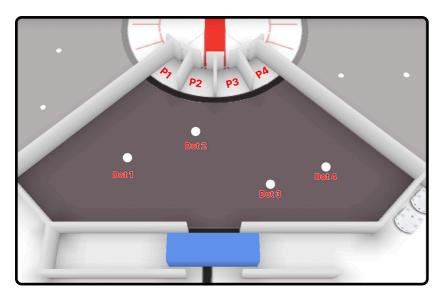
R2T2 Robotic Competition Strategy Overview

All following discussions will be based on markers Below.



Task List

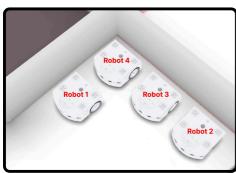
Pushing + Entry

A1 Entry with Line

A2 | Find Dot

A0

A3 Find Parking



Robot Position ตำแหน่งของหุ่นยนต์

The starting position of Thymio is currently uncertain

• If the position is random, then task assignment will be based on the allocated position

Task Distribution Each execution should inform in Discord

Robot 1

Robot 1 Task Flow:

- Execute A0: Pushing + Entry (Page 2)
- Then A2: Find Dot (Page 4)
- Finally A3: Find Parking (Page 5)

Robot 2

Robot 2 - Robot 4 Task Flow

- Start with A1: Entry (Page 3)
- Proceed to A2: Find Dot (Page 4)
- Then A3: Find Parking (Page 5)

Action $AO(P2) \rightarrow A2(P4) \rightarrow A3(P5)$

Action A1(P3) \rightarrow A2(P4) \rightarrow A3(P5)

Message Format:

Execution

R2 Done A1, Ready for A2

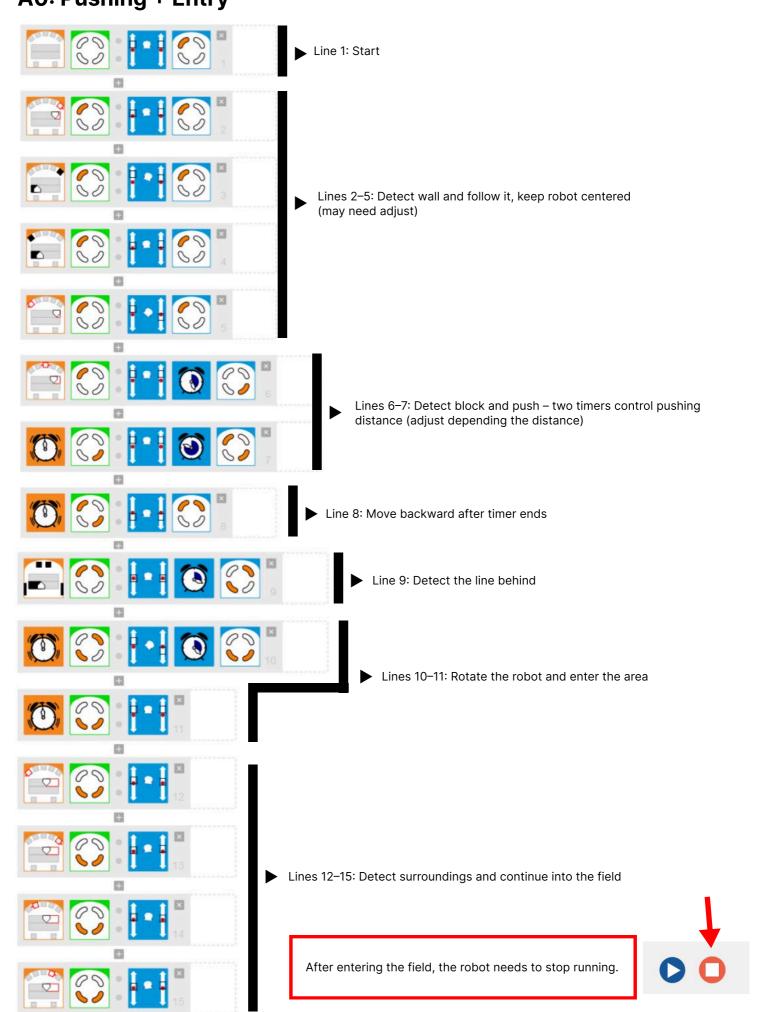
Progress

R2 Running now — others please hold R4 Ready to start next stage

Adjustment ☑ R1 Dot detection = 925(Value for Nilai University Dot)

Next-A2: Find Dot

Robot 1 A0: Pushing + Entry

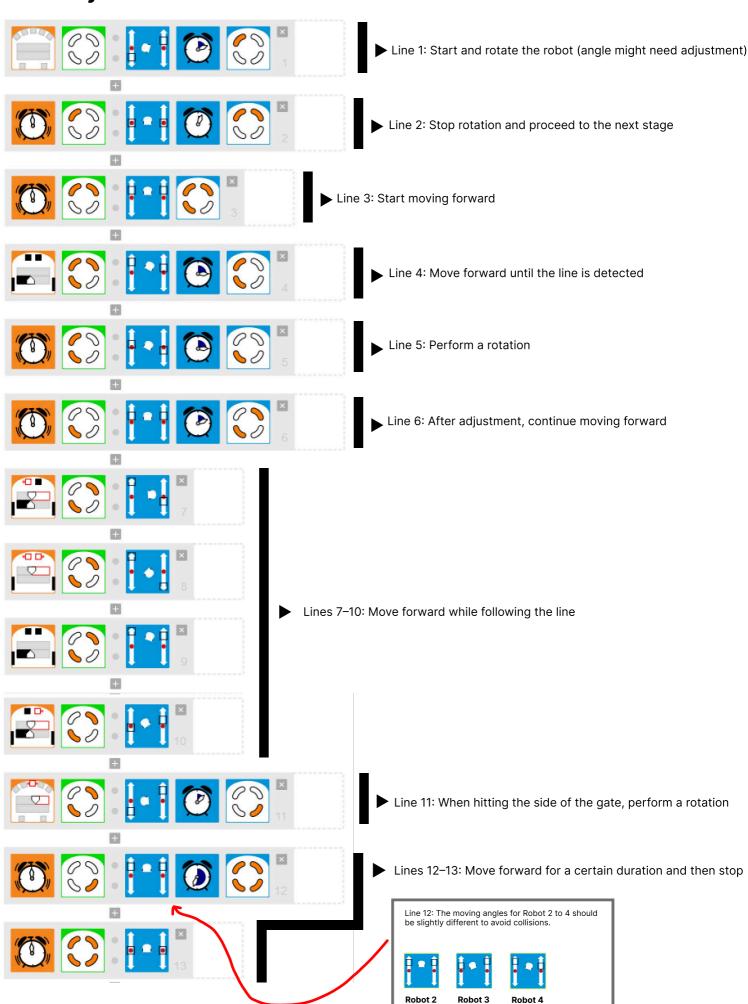


Robot 2 - 4

The robots need to execute one by one from 2 to 4, based on our assigned order.

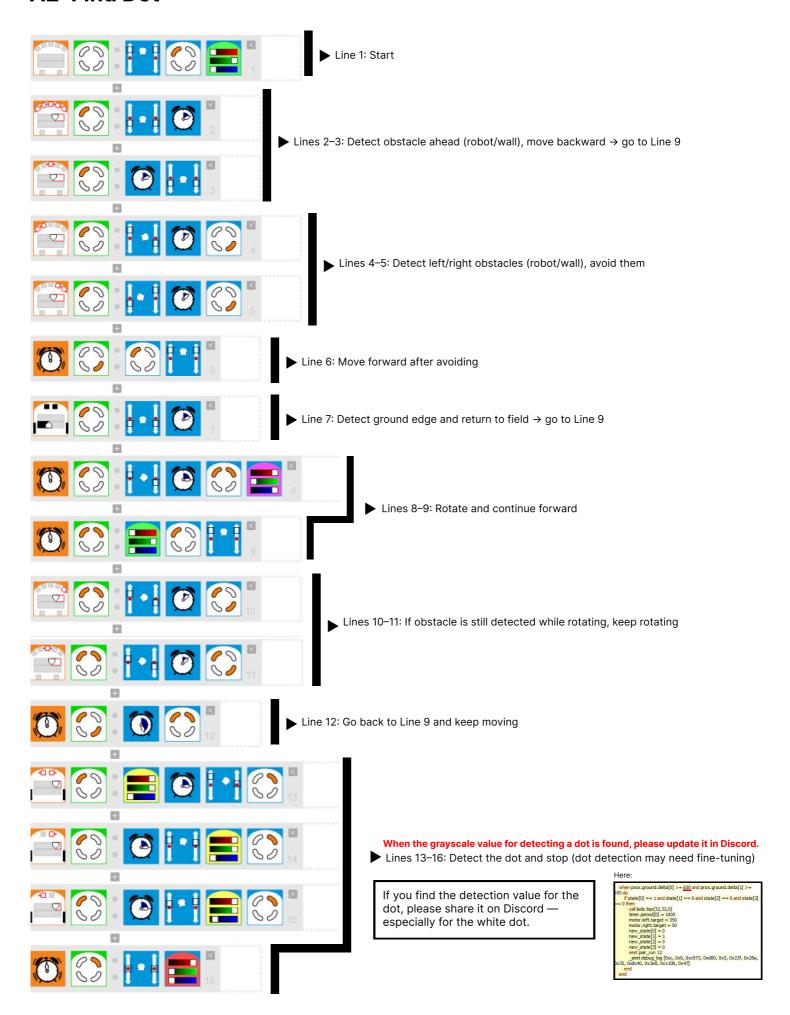
Next-A2: Find Dot





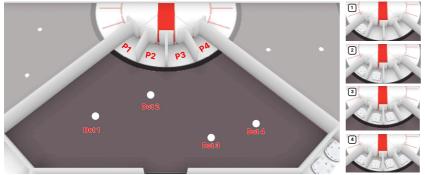
Robot 1 - 4

A2: Find Dot



Robot 1 - 4

A3: Find Parking



Process Overview:

This final part is a bit more complex. The main idea is to fill from the left side to the right. The overall logic is for the robot to move along the left wall and fill positions from P1 to P4 in order.

Important Detail

- Make sure the left side of the robot contacts the wall first during Line 1
- Use "Line 1 movement + Timer" to perform the turning the turning value needs to be adjusted on-site
- Update your robot's action status in Discord
- · Notify the team before running to avoid collision between robots
- Execution order: Start from Dot 1 and continue to Dot 4

