LEGO exam task
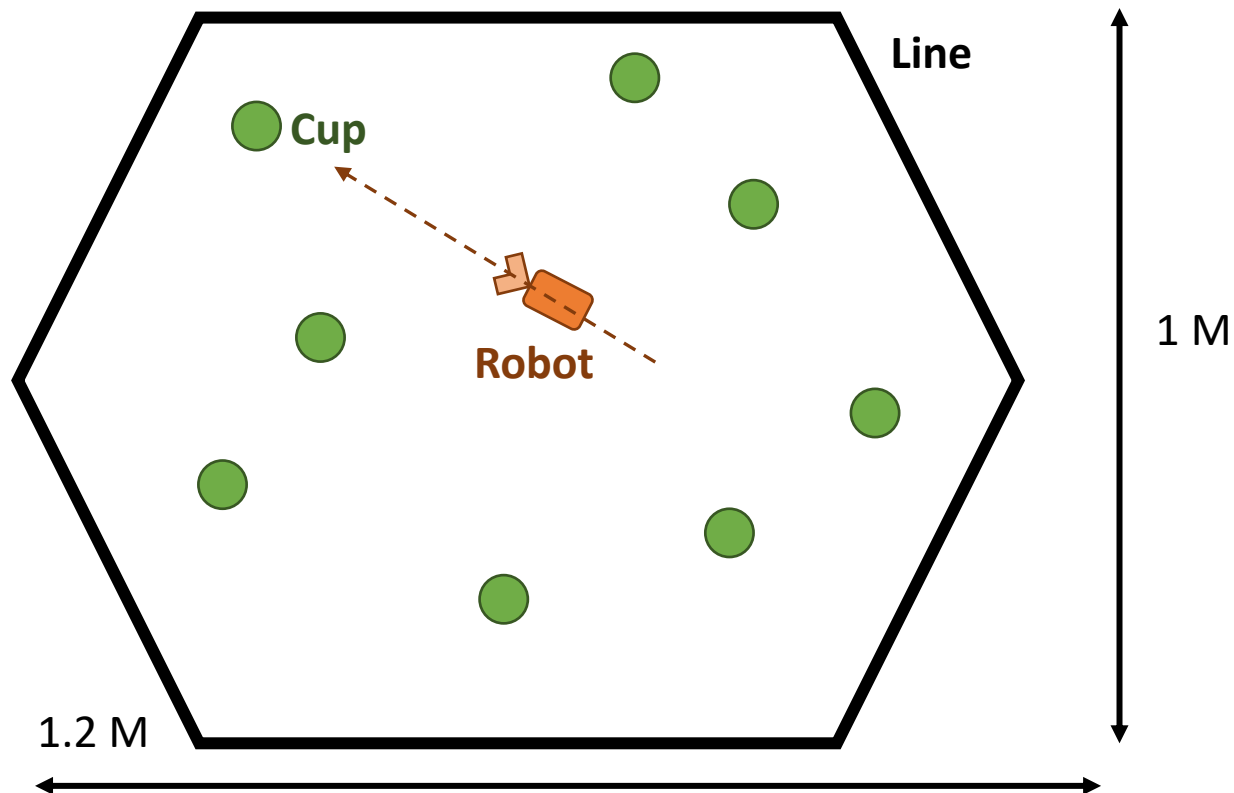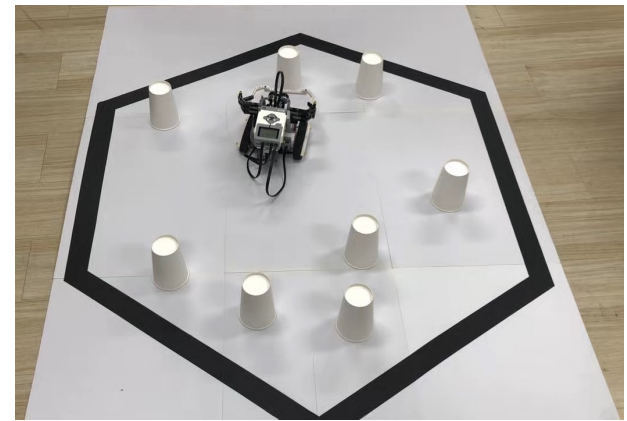
Task 1. Cup pushing

- Mission
  - Do not get out the hexagon line
  - Push the caps until it gets out of the hexagon line

Line

Cup

Robot

1 M

1.2 M

Task 1. Cup pushing

- Mission

  - Time : 2 min 30s x 3 chances

  - The number of cups in the line : 8

  - The color of line : Black
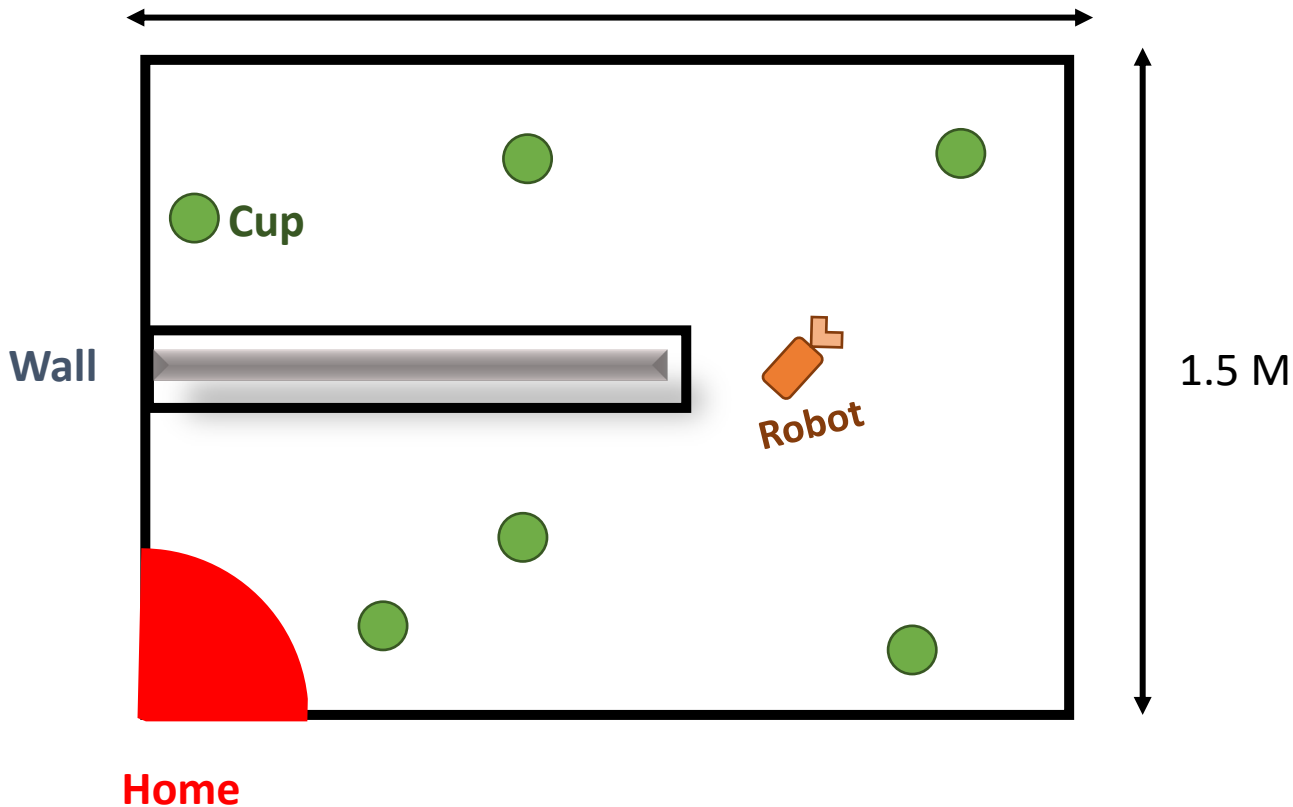
Task 1. Cup pushing

- Scoring criterion

  1. Is the robot in the line on the running?

  2. At the end, if all the cups were extruded to the outside?

  3. Whether it pushes the cups to the middle of space

  4. Whether it pushes the cups to the outside of space

  5. Is the robot structured appropriately?

  + Bonus (creativity)

Task 2. Cup gathering

- Mission
  - Do not get out the rectangle line.
  - Do not touch the wall
  - Gathering cups to home.

1.5 M

1.5 M

Cup

Wall

Robot

Home

Task 2. Cup gathering

- Mission.

  - Time : 10 minutes x 2 chances

  - The number of cups in the line : 6
  - if you gather the cup which is behind the wall, you will get extra credit

  - Line color : Black

  - Home color : Red

Task 2. Cup gathering

- Scoring criterion

  1. Is the robot in the line on the running?

  2. At the end, how many cups are gathered?

  3. Whether it collect the cup which is behind the wall

  4. Whether it distinguish with the wall and cup

  5. Is the robot structured appropriately?

  + Bonus (creativity)

Submission - deadline : 5/17(mon) 12:00pm

- Task 1

    1. Email 2 min 30s x 3 Videos to T.As

    네이버 시계

    02:02:21 PM

    □ 정각알림을 설정하세요.

    ⓘ 서버시간 기준이며, 환경에 따라 오차가 있을 수 있습니다.

    (start with naver clock and end with naver clock)

- hrlee@yonsei.ac.kr   hosikchoi@yonsei.ac.kr   ks.jung@yonsei.ac.kr

    2. Upload the ev3 code on LearnUs

Submission - deadline : 5/17(mon) 12:00pm

- Task 2

1. Email 10min x 2 Videos to T.As

(start with naver clock and end with naver clock)

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2. Upload the ev3 code on LearnUs

LEGO Return Schedule

- 5/13 1pm ~ 5/17 1pm

- Return the LEGO-mindstorm and receive the Robotis Bioloid(project3) and assemble it.

- Team members should be come together.
    Assemble the robot / install the Program

- It takes at least two hours.

- Reservation Link
https://docs.google.com/spreadsheets/d/1dALRudxroLvw6eXpEoO0SjpoKnu3cu0TliywX98FhUc/edit?usp=sharing