

ENJOY AI 2024
INTERSTELLAR JOURNEY

CLOSING CEREMONY OF SPORTS



Practice Competition

Objectives:

1. Simulate the process of drawing lots and design the program
2. Simulate the debugging phase and learn how to modify parameters
3. Simulate the whole competition

5+



Review



In the previous lesson, we learned about how to allocate time. Let's have a review!



Review

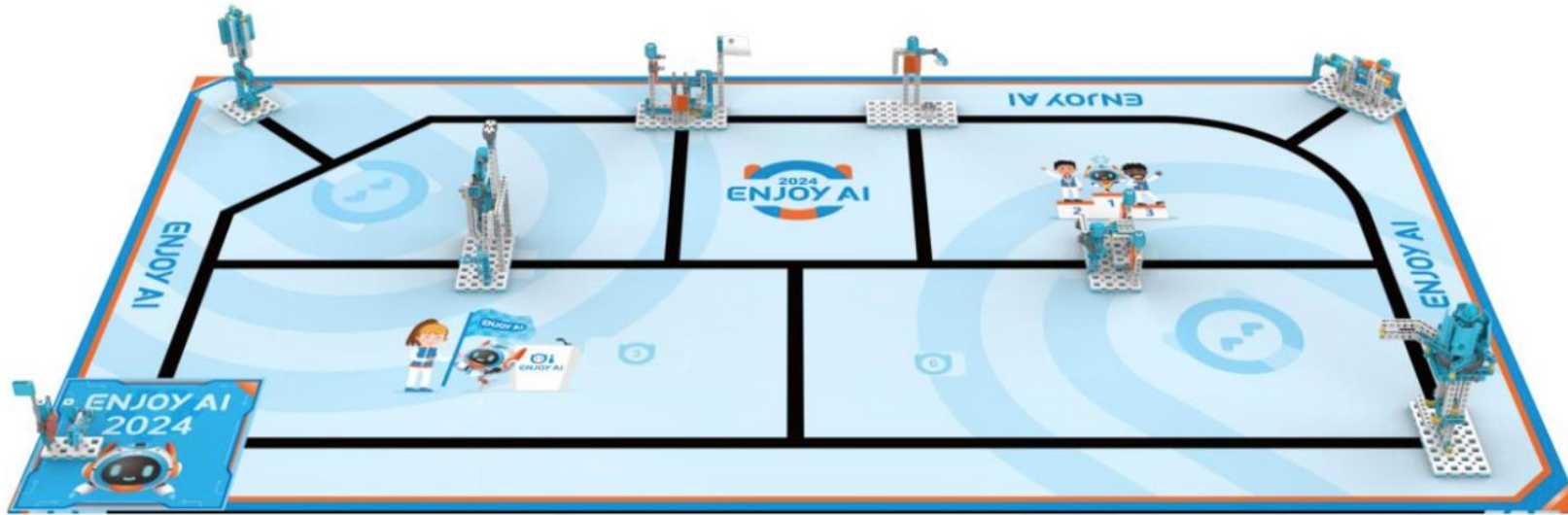
Task Strategy

1. Why do we need to allocate time?
2. How do we classify tasks?

Challenges



Challenges



Now that we've learned everything about the competition, let's simulate the competition environment to have a practice competition!



Challenges

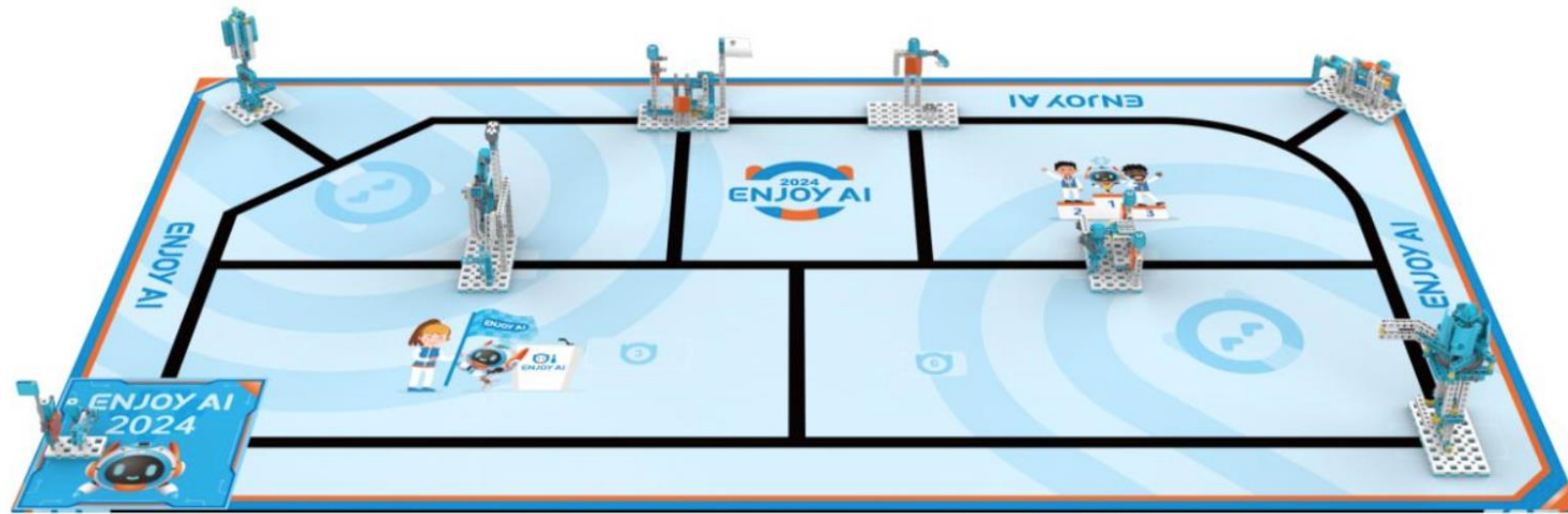
Practice Competition

1. Get familiar with the lot drawing process and predict possible issues.
2. Modify the program based on the lot drawing result.
3. Invite referees to simulate the process of debugging and competition holding.

Draw lots



Challenges

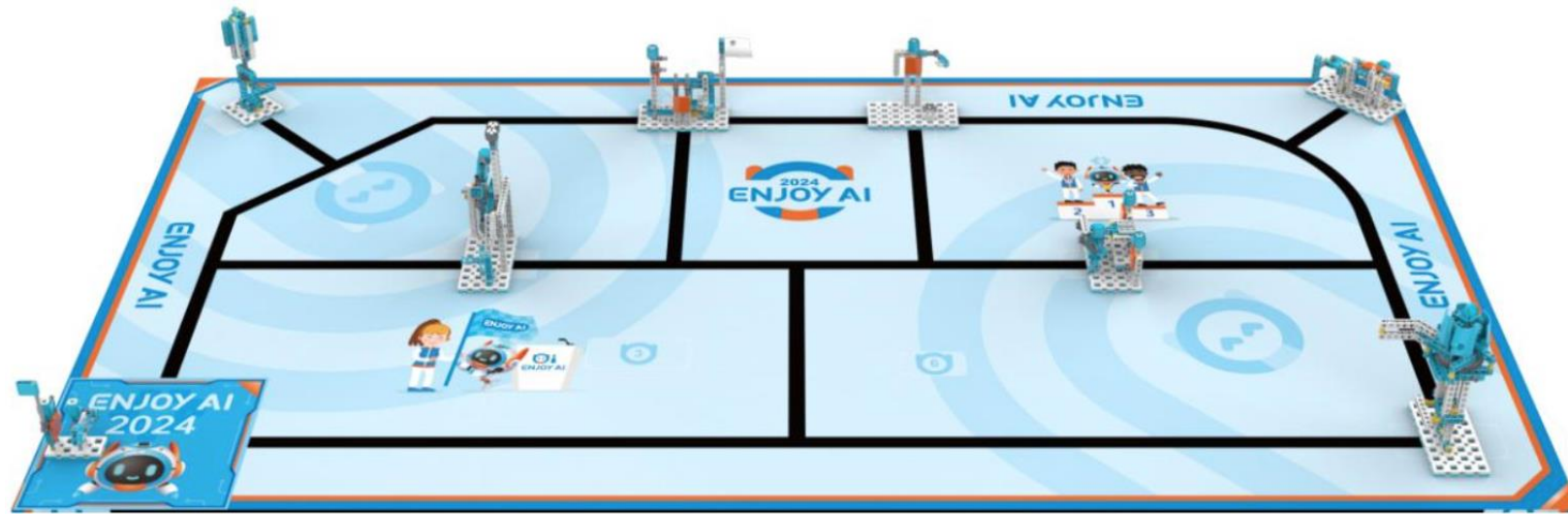


Before the competition starts, lots may be drawn to decide where to put the task structures. Only the position for the “Delegation entry” task is preset. The locations of other task structures are affected by the lot drawing result.

Reset Location



Challenges

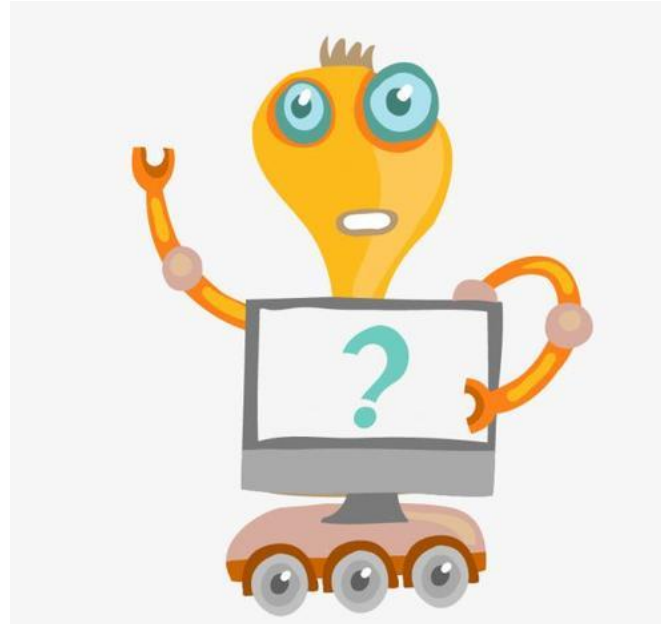


Let's simulate the lot drawing process. After the draw, the task structures will be in the required locations. Modify the program of your robot as needed.

Give it a go!

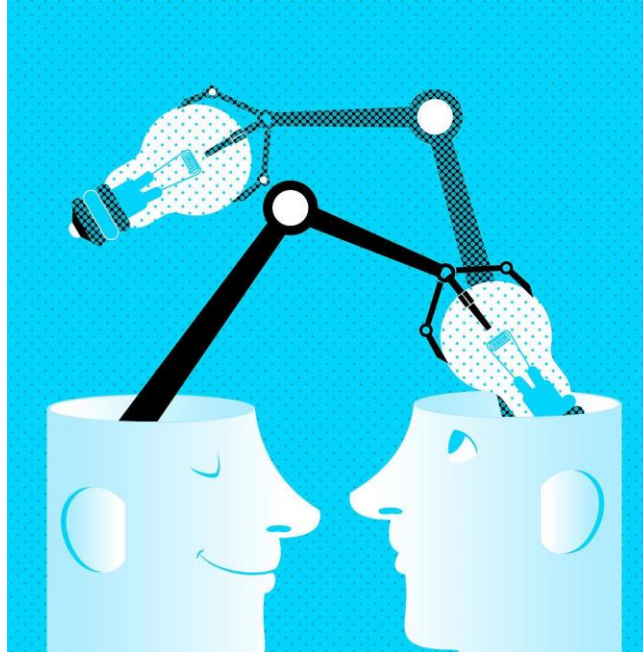


Challenges



Sometimes after the locations of the structures are reset, we may need to change a lot of the program, or even rewrite the program. Is there any easy way to do that?

Challenges



For example, after the draw, the structures at Position 1 and Position 3 are exchanged. We can first modify the program about line following to Position 1 and Position 3, and then modify the parts on operations.

Try a few rounds of lot drawing and see how to change your program.



Practice Competition

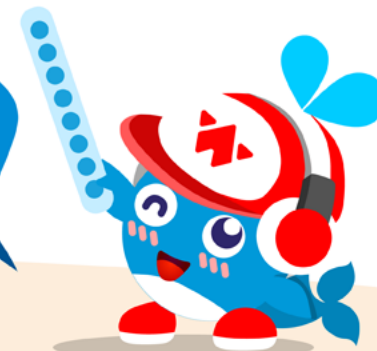


Challenges

Challenges accepted!



Bravo! You have developed your own way to modify the program! Let's have a practice competition! You can invite a referee to come and see how many points you get.



Try it out!



See you next time!

