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Group members

Group Members

Ming Lei (u7172618)

Principal Investigator of the project.

Build the basic structure of the game. Leading the group to finish all of the D and HD tasks.

Complete most part of the GUI part of the code independently.

Duo Liu (u7190717)

Build the basic structure of the game. Design the interface of the game. Implement a new strategy to accelerating system judgment so that task5, 6, 9 can pass in time. Complete the pdf file of initial structure and final presentation.

Xinyi Jiang (u6891814)

Build the basic structure of the game. Modify the GUI part of the code to make it more practical (add How to play, quit game button etc..). Host the meeting for the group as well as complete weekly journal(admin file).

Summary of work

Fitgame

√ TASK 2

Duo Liu

√ TASK 3

Duo Liu

√ TASK 5

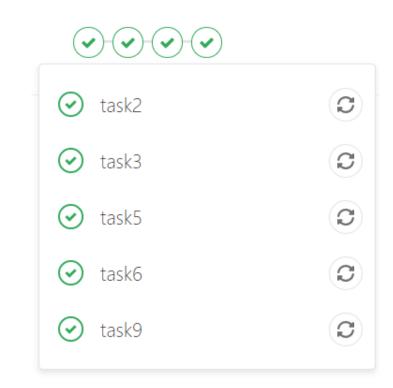
Duo Liu, Xinyi Jiang

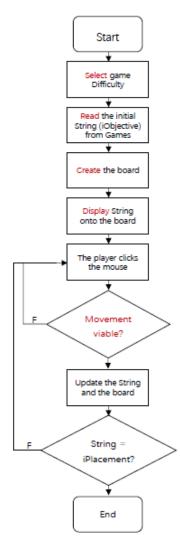
√ TASK 6

Ming Lei, Xinyi Jiang

√ TASK 9

Ming Lei







		12						-	
F	F	F	F	F	F	F	F	F	F
F	F	F	F	F	F	F	F	F	F
Т	Т	F	F	F	F	F	F	F	Т
Т	F	F	F	Т	F	Т	Т	Т	Т
Т	Т	Т	Т	Т	Т	Т	Т	Т	Т
			-	-	-	-	-		

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	1
1	0	0	0	1	0	1	1	1	1
1	1	1	1	1	1	1	1	1	1

public int[][] toMatrix(){

```
Map<String, int[][]> map = new HashMap<>();
map.put("bN",new int[][] {{1,1,1,1},{1,0,0,0}});
map.put("bE",new int[][] {{1,1},{0,1},{0,1},{0,1}});
map.put("bS",new int[][] {{0,0,0,1},{1,1,1,1}});
map.put("bW",new int[][] {{1,0},{1,0},{1,0},{1,1}});
map.put("BN",new int[][] {{1,1,1,1},{0,1,0,1}});
map.put("BE",new int[][] {{0,1},{1,1},{0,1},{1,1}});
map.put("BS",new int[][] {{1,0,1,0},{1,1,1,1}});
map.put("BW",new int[][] {{1,1},{1,0},{1,1},{1,0}});
map.put("gN",new int[][] {{1,1,1,0},{0,1,0,0}});
map.put("gE",new int[][] {{0,1,},{1,1},{0,1}});
```



Piece b

Т	Т	Т	Т
Т	F	F	F
F	F	F	F
F	F	F	F



1	1	1	1
1	0	0	0

1	1
0	1
0	1
0	1

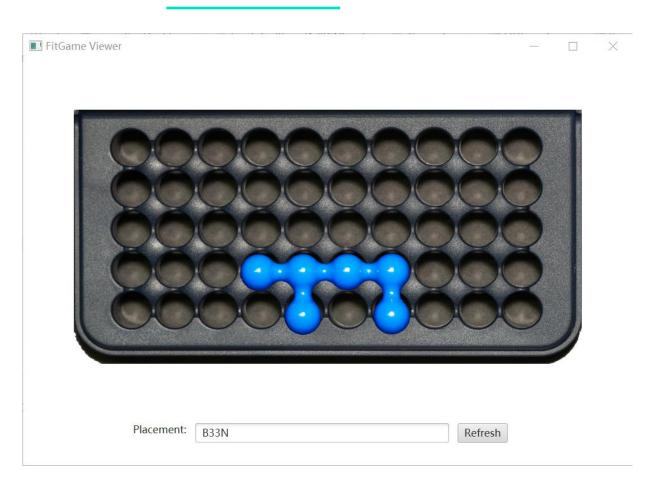
0	0	0	1
1	1	1	1

1	0
1	0
1	0
1	1

Viewer

√ TASK 4

Ming Lei



Board

√ TASK 7

Ming Lei, Xinyi Jiang

√ TASK 8

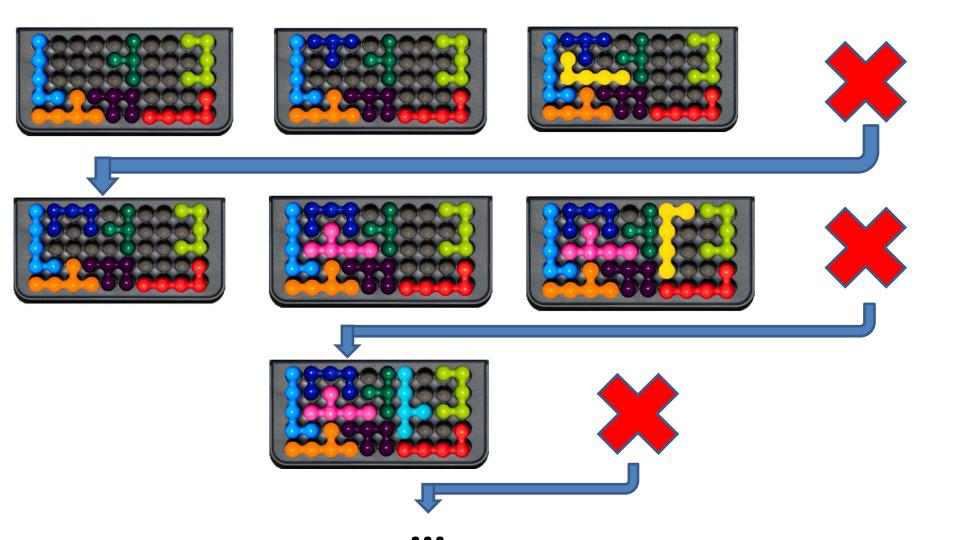
Ming Lei

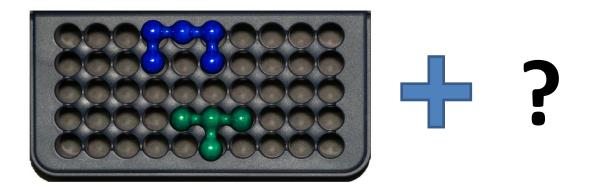
√ TASK 10

Ming Lei, Duo Liu

√ TASK 11

Ming Lei





Unique solution?

Team activities

√ Principal Investigator

Ming Lei

√ Group journal(admin file)

Xinyi Jiang

√ Meeting host

Xinyi Jiang

√ Presentation preparation

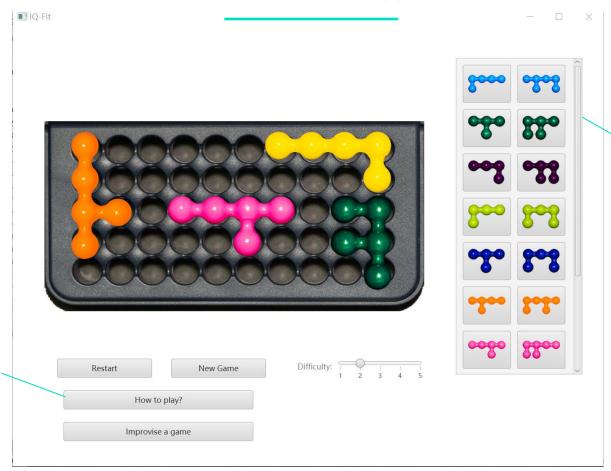
Duo Liu, Xinyi Jiang

√ Add comments on code

Duo Liu, Ming Lei

Game presentation

Initial interface



Pieces menu

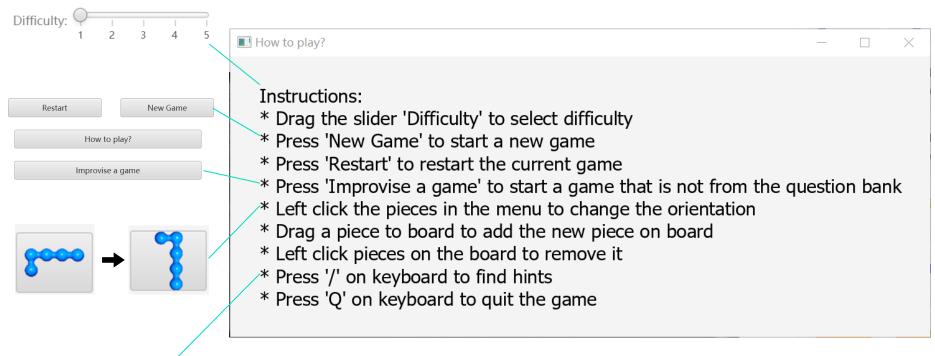
You can drag piece here to board to finish a step of placement. You can also click them to change their orientation.

Instructions

Click this button to find all message about how to play the game.

How to play

Task 8



Task 10

Start a random game (Task11)



Finish the game

