HW 3.1

Compile

```
shuqiny2@circinus-30 00:50:07 ~/hw/hw3/253P-HW3/src

$ javac HW3_1.java

shuqiny2@circinus-30 00:50:19 ~/hw/hw3/253P-HW3/src

$ java HW3_1

Input the filename: sample_maze.txt
```

Test case 1 (the provided example from the assignment)

input:

```
sample maze.txt
```

```
5 x 8 Maze!
(start)
 output:
     Solution Path: 0, 8, 16, 17, 18, 26, 27, 28, 29, 21, 20, 12, 4, 5, 9,
     14, 22, 30, 38, 39
     (start)
         Х
              X X X
         Х
              X X
         X X X X X X
            X X X X X
                  X X
                   (end)
     ~~~~~~~~~~~~~~~~~~~~
```

Test case 2

input:

output:

```
Solution Path:0, 1, 9, 8, 16, 17, 25, 33, 34, 35, 36, 37, 38, 30, 22, 14, 6, 7, 15, 23, 31, 39
```

```
(start)

X X X X X

X X X X X

X X X X X

X X X X X X

(end)
```

Test case 3(the provided example from the assignment)

input:

output:

~~~~~~~~

## Test case 4

#### input:

## output:

Solution Path: Can't find a solution!

```
shuqiny2@circinus-30 01:15:45 ~/hw/hw3/253P-HW3/src

$ java HW3_1

Input the filename: sample_maze3.txt

Solution Path:Can't find a solution!

shuginy2@circinus 20 01:16:21 //by/by2/252P HW3/src
```

# Test case 5

## input:

# 

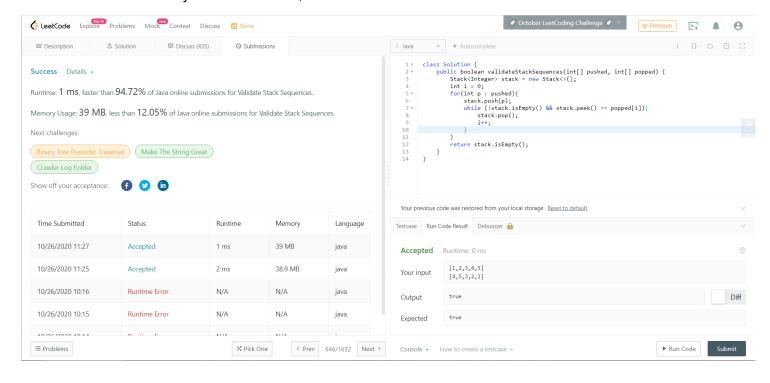
# output:

~~~~~~~~

(end)

HW 3.2 - 1

Substitute by LeetCode # 946, medium



HW 3.2 - 2

Substitute by LeetCode # 856, medium

