Name: DONGWOOK LEE

Problem 12.3 Number Maze

(c) **Bonus** (4 points)

Test Case:

```
4 1 1 4 4 1 1 5
3 3 7 6 6 4 1 7
6 7 4 6 3 4 7 1
1 3 4 4 2 5 7 2
1 7 7 2 3 6 7 4
4 6 1 6 4 6 7 5
5 1 2 1 5 1 2 1
1 2 3 1 5 4 2 1

Starting from [O] ...

O: UP
1: RIGHT
2: DOWN
3: LEFT
4: STOP and SOLVE
Current Position = 0 0
Direction: 4
Not Solved
Path ( 0 , 63 ) : 0 63
-1
```

```
3 3 6 7 4 3 3 7
7 4 3 7 3 4 4 4
3 1 7 2 4 2 2 4
7 2 1 7 5 5 4 7
6 5 7 3 1 2 2 6
6 3 3 5 7 3 6 5
3 2 7 4 5 2 3 5
3 2 5 1 5 6 5 2

Starting from [0] ...
0: UP
1: RIGHT
2: DOWN
3: LEFT
4: STOP and SOLVE
Current Position = 0 0
Direction: 4
Not Solved
Path ( 0 , 63 ) : 0 3 59 58 63
4
```

No Solution

Solution Given