Treasure Hunt***

locked

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Do you like treasure hunts? In this problem you are to write a program to explore the above array for a treasure. The values in the array are clues. Each cell contains an integer between 11 and 55; for each value the ten's digit represents the row number and the unit's digit represents the column number of the cell containing the next clue. Starting in the upper left corner (at 1,1), use the clues to guide your search of the array. (The first three clues are 11, 55, 15). The treasure is a cell whose value is the same as its coordinates. Your program must first read in the treasure map data into a 5 by 5 array.

Input Format

Input contains five lines each containing five space separated integers.

Output Format

If the treasure is found, your program should output the index (row, column) of cells it visits during its search for treasure (separated by a single space). Multiple cells must be separated by a newline "\n".

If there is no treasure, print "NO TREASURE" (quotes for clarity)

Sample Input

```
55 14 25 52 21
44 31 11 53 43
24 13 45 12 34
42 22 43 32 41
51 23 33 54 15
```

Sample Output

```
1 1
5 5
1 5
2 1
4 4
3 2
1 3
2 5
4 3
```

Submissions: 269
Max Score: 60
Difficulty: Advanced

Rate This Challenge:

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Python 3

```
1  matrix = []
2
3  for row in range(5):
4      matrix.append(list(map(int,input().strip().split())))
```

```
5
6  sr = 0
7  sc = 0
8
9  for row in range(5):
10     for col in range(5):
11         if(matrix[row][col] == 11):
12             sr = row
13             sc = col
14
15 row = sr
16 col = sc
17 while(row>=0 and row<5 and col>=0 and col<5):
18     num = matrix[row][col]
19
20     if(num//10 == row+1 and num%10 == col+1):
21         break
22     else:
23         # print(num)
24         row,col = num//10 - 1,num%10 - 1
25
26     ans = str(num)
27     print(ans[0],ans[1])
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44 # print(matrix)
```

Line: 38 Col: 5

Upload Code as File Test against custom input Run Code Submit Code

Testcase 0 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
55 14 25 52 21
44 31 11 53 43
24 13 45 12 34
42 22 43 32 41
51 23 33 54 15
```

Your Output (stdout)

```
1 1
5 5
1 5
2 1
4 4
3 2
1 3
2 5
4 3
```

Expected Output

```
1 1
5 5
1 5
2 1
4 4
3 2
1 3
2 5
4 3
```