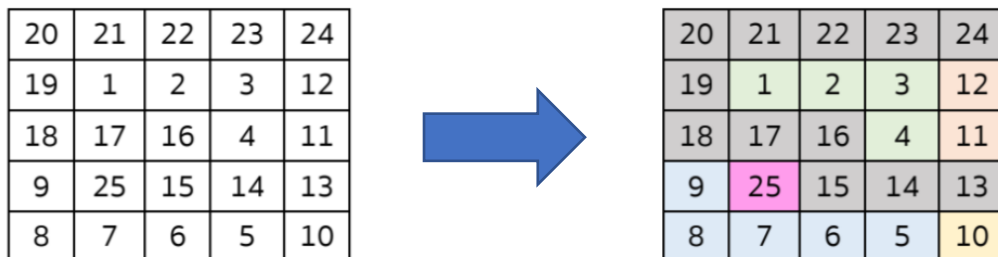


Write a function that takes a 2-dimensional array $n \times m$ where the value in the array is a number from 1 to $n \times m$.

The result of a function returns that there is a Sequence.

What is the maximum number of contiguous numbers in an array? (Top, Bottom, Left, Right)

```
input = [  
  [20, 21, 22, 23, 24],  
  [19, 1, 2, 3, 12],  
  [18, 17, 16, 4, 11],  
  [9, 25, 15, 14, 13],  
  [8, 7, 6, 5, 10]  
]
```



Example:

1 to 4 number sequence of contiguous numbers is 4

5 to 9 number sequence of contiguous numbers is 5

10 number sequence of contiguous numbers is 1

11 to 12 number sequence of contiguous numbers is 2

13 to 24 number sequence of contiguous numbers is 12

25 number sequence of contiguous numbers is 1

Output Result: 12