Any or All

73/115 challenges solved

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any()

This expression returns `True` if **any** element of the iterable is true.

If the iterable is empty, it will return `False`.

Code

```
>>> any([1>0,1==0,1<0])
True
>>> any([1<0,2<1,3<2])
False
```

all()

This expression returns `True` if **all** of the elements of the iterable are true. If the iterable is empty, it will return `True`.

Code

```
>>> all(['a'<'b','b'<'c'])
True
>>> all(['a'<'b','c'<'b'])
False
```

Task

You are given a space separated list of integers. If all the integers are positive, then you need to check if any integer is a palindromic integer.

Input Format

The first line contains an integer N. N is the total number of integers in the list.

The second line contains the space separated list of N integers.

Constraints

$0 < N < 100$

Output Format

Print `True` if all the conditions of the problem statement are satisfied. Otherwise, print `False`.

Sample Input

```
5
12 9 61 5 14
```

Sample Output

True

Explanation

Condition 1: All the integers in the list are positive.

Condition 2: 5 is a palindromic integer.

Hence, the output is `True`.

Can you solve this challenge in `3 lines of code or less`?

There is `no penalty` for solutions that are correct but have more than 3 lines.

Change Theme Language Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT
n = int(input())
lst = list(map(int, input().split()))
print(all(i>0 for i in lst) and any(str(i)[::-1]==str(i) for i in lst))
```

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

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73/115 challenges solved.

63%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

- Test case 0
- Test case 1
- Test case 2
- Test case 3
- Test case 4
- Test case 5

Compiler Message

```
Success
```

Input (stdin) Download

```
5
12 9 61 5 14
```

Expected Output Download

```
True
```