Your Day 27: Testing submission got 30.00 points. Tweet

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Day 27: Testing

by devuy11

Objective

This challenge is very different from the others we've completed because it requires you to *generate a valid test case* for a problem *instead of* solving the problem. There is no input to read, you simply have to generate and print test values for the problem that satisfy both the problem's *Input Format* and the criteria laid out in the *Task* section. Check out the Tutorial tab for an instructional video on testing!

Solved score: 15.00pts

Submitted 24460 times
Max Score 30

Need Help?

Consider the following problem (*but do not solve it*):

Problem Statement

A Discrete Mathematics professor has a class of students. Frustrated with their lack of discipline, the professor decides to cancel class if fewer than students are present when class starts. Given the arrival time of each student, determine if the class is canceled.

Input Format

The first line of input contains , the number of lectures.
The information for each lecture spans two lines. The first line has two space-separated integers, (the number of students in the class) and (the cancelation threshold). The second line contains space-separated integers describing the array of students' arrival times ().

Note: Non-positive arrival times () indicate the student arrived early or on time; positive arrival times () indicate the student arrived minutes late. If a student arrives exactly on time , the student is considered to have entered before the class started.

Output Format

For each test case, print the word `YES` if the class is canceled or `NO` if it is not.

Example

When properly solved, this input:

```
2
4 3
-1 -3 4 2
4 2
0 -1 2 1
```

Produces this output:

```
YES
NO
```

For the first test case, . The professor wants at least students in attendance, but only arrive on time (and). Thus, the class is canceled.

For the second test case, . The professor wants at least students in attendance, and do arrive on time (and). Thus, the class is *not* canceled.

Task

Create and print a test case for the problem above that meet the following criteria:

-
-
-
-

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Chinese

The value of must be *distinct* across all the test cases.

- Array must have at least zero, positive integer, and negative integer.

Scoring

If you submit correct test cases, you will earn of the maximum score. *You must submit test cases to earn the maximum possible score.*

Input Format

You are not responsible for reading anything from stdin.

Output Format

Print lines of output that can be read by the Professor challenge as valid input. Your test case must result in the following output when fed as input to the Professor challenge's solution:

```
YES
NO
YES
NO
YES
```

Explanation

Your code must print lines of output that follow the *Input Format* in the Professor challenge above. For example, this partial solution to this challenge:

```
print('2')
print('4 3')
print('-1 -3 4 2')
print('5 2')
print('0 -1 2 1 4')
```

prints the following output that can be used as valid input for the Professor challenge:

```
2
4 3
-1 -3 4 2
5 2
0 -1 2 1 4
```

When read by a valid solution to the Professor challenge, it produces the following output:

```
YES
NO
```

You must do something similar to this, except that the test case you develop must meet the constraints set in the *Task* section above.

Current Buffer (saved locally, editable)

Python 3

```
print('5')
# YES - cancelled
print('4 3')
print('-2 0 5 1')
# NO - not cancelled
print('5 2')
print('-5 0 3 1 8')
# YES - cancelled
print('6 3')
print('3 2 -1 0 2 4')
# NO - not cancelled
print('8 4')
print('-1 -2 0 -1 -2 -3 0 1')
# YES - cancelled
print('7 3')
print('3 2 1 0 -4 6 6')

```

Line: 16 Col: 22

Test against custom input

Run Code Submit Code

Congrats, you solved this challenge!

Challenge your friends:

Test Case #0

Next Challenge

You've earned 30.00 points. You are now 2 challenges away from the gold level for your 30 days of code badge.