

ATENEO COMPUTER PROGRAMMING COMPETITION 2019

Department of Computer Science | College of Computer Studies | Ateneo de Naga University

A: The Fourth Son

Time Limit: 1 second

Description

Someone's mother has four sons. Three are named North, East, and West.

What is the name of the fourth son?

No dilly-dally! Write a program to send the name of the fourth son. Note: First letter of the name must be upper case.

Input Format

None.

Output Format

Display the name of the fourth son.

Constraints

None

Sample Output

Onedi

ATENEO COMPUTER PROGRAMMING COMPETITION 2019

Department of Computer Science | College of Computer Studies | Ateneo de Naga University

B: MeMeMo

Time limit: 1 second

Description

Ooopss!! I know what you are thinking. Laugh all you can but MeMeMo stands for Mean, Median, and Mode.

According to purplemath.com, mean, median, and mode are three kinds of "averages". There are many "averages" in statistics, but these are, the three most common, and are certainly the three you are most likely to encounter in your pre-statistics courses.

The "mean" is the "average" you are used to, where you add up all the numbers and then divide by the number of numbers. The "median" is the "middle" value in the list of numbers. To find the median, your numbers must be listed in numerical order from smallest to largest. The "mode" is the value that occurs most often. If no number in the list is repeated, then there is no mode for the list.

Input Format

There is only 1 line of input and it contains N number of integers. The first number in the line tells you the number of elements in the list that you will process. The succeeding numbers are the items in the list.

Output Format

Display the mean, median, and mode. If there is no mode, display the word **NONE**.

Sample Input

```
5 5 10 15 5 20
```

Sample Output

```
11 10 5
```