## **HackerRank**

# **Detect Floating Point Number**

Check Tutorial tab to know how to to solve.

You are given a string N.

Your task is to verify that N is a floating point number.

In this task, a valid float number must satisfy all of the following requirements:

- > Number can start with +, or . symbol.
  - For example:
  - **✓** +4.50
  - **√**-1.0
  - **√**.5
  - **√**-.7
  - **√** +.4
  - X -+4.5
- > Number must contain at least  ${f 1}$  decimal value.
  - For example:
  - **X** 12.
  - **✓** 12.0
- > Number must have exactly one . symbol.
- > Number must not give any exceptions when converted using float(N).

#### **Input Format**

The first line contains an integer T, the number of test cases.

The next T line(s) contains a string N.

#### **Constraints**

• 
$$0 < T < 10$$

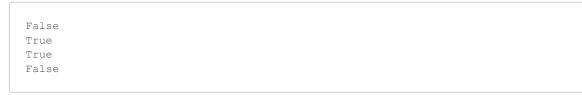
#### **Output Format**

Output True or False for each test case.

#### Sample Input 0

```
4
4.000
-1.00
+4.54
SomeRandomStuff
```

## Sample Output 0



### **Explanation 0**

4.000: O is not a digit.

-1.00: is valid. +4.54: is valid.

SomeRandomStuff: is not a number.