# **Alien Username**

In a galaxy far far away, a planet different from ours, computer usernames follow a different format.

- It has to begin with either an underscore '\_' (ascii value 95) or a dot '.' (ascii value 46)
- It has to be immediately followed by one or more occurrences of digits numbered 0-9
- It can then have letters, both uppercase or lowercase, 0 or more in number
- It can then end with an optional '\_' (ascii value 95)

Your task is to validate whether a username is valid or not

### **Input Format**

First line contains N, N usernames follow each in a newline.

#### **Constraints**

1 <= N <= 100

# **Output Format**

For every username, print

VALID

if you think the username is correct and print

INVALID

otherwise.

## **Sample Input**

```
3
_0898989811abced_
_abce
_09090909abcD0
```

# **Sample Output**

VALID INVALID INVALID

### **Explanation**

The first username is valid as it passes all the 3 constraints as mentioned above.

The second username is invalid as '\_' is not immediately followed by a number.

The third username is also invalid as letters are immediately followed by a number which is not a valid format.

#### **Viewing Submissions**

You can view others' submissions if you solve this challenge.	Navigate to the challenge leaderboard.