

Java Regex 3 - Username Checker

Problem Statement

Regular expressions (*regex*) help us match or search for patterns in strings. In this problem, you will be given a username. Your task is to check whether that username is valid. A valid username will have the following properties:

1. The username can contain alphanumeric characters and/or underscores(_).
2. The username must start with an alphabetic character.
3. $8 \leq |\text{Username}| \leq 30$.

To simplify your task, we have provided a portion of the code in the editor. You just need to write down the *regex* pattern which will be used to validate the username input.

Input Format

The first line of input contains an integer N , representing the number of testcases. Each of the next N lines contains a string that represents a username.

Constraints

The username consists of any printable characters.

$$1 \leq N \leq 50$$

Output Format

For each username, output **Valid** if the username is valid; otherwise, output **Invalid**.

Sample Input

```
4
alpha_naheed
xahidbuffon
nagib@007
123Swakkhar
```

Sample Output

```
Valid
Valid
Invalid
Invalid
```

Explanation

The first two cases fulfill the constraints of a valid username. The third case is invalid because it contains an invalid character '@'. The fourth case is also invalid because it starts with a numeric character.