

# Validating UID

*ABCXYZ* company has up to **100** employees.

The company decides to create a unique identification number (UID) for each of its employees.

The company has assigned you the task of validating all the randomly generated UIDs.

A valid UID must follow the rules below:

- It must contain at least **2** uppercase English alphabet characters.
- It must contain at least **3** digits (**0 - 9**).
- It should only contain alphanumeric characters (*a - z*, *A - Z* & *0 - 9*).
- No character should repeat.
- There must be exactly **10** characters in a valid UID.

## Input Format

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

The next *T* lines contains an employee's UID.

## Output Format

For each test case, print 'Valid' if the UID is valid. Otherwise, print 'Invalid', on separate lines. Do not print the quotation marks.

## Sample Input

```
2
B1CD102354
B1CDEF2354
```

## Sample Output

```
Invalid
Valid
```

## Explanation

**B1CD102354**: **1** is repeating → Invalid

**B1CDEF2354**: Valid