

The Three Musketeers

You are given three integers. Find out whether they are all equal or distinct or two of them are similar.

Input Format

The first line will contain an integer **T**, representing the number of the test cases. Each test case contains three integers **A, B and C**.

Constraints

$$1 \leq T \leq 100$$

$$0 \leq A, B, C \leq 100$$

Output Format

For each test case print **"1"** (without quote) if each of them are distinct, **"2"** (without quote) if any two of them are similar and the other one is different, or **"3"** (without quote) if all of them are equal.

Sample Input 0

```
2
1 2 3
1 1 3
```

Sample Output 0

```
1
2
```