

Extract the integers

Given a string, the task is to extract all the integers from it.

Input:

The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case contains a string S as input.

Output:

For each test case, print all the integers with one space, if the string does not contain any integers, print "No Integers".

Constraints:

$$1 \leq T \leq 100$$

$$1 \leq S \leq 10^5$$

Example:

Input:

3

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Output:

12 23

1 2 3

No Integers