

## Problem B. Easy Stack

<b>Time limit</b>	500 ms
<b>Mem limit</b>	1572864 kB
<b>Code length Limit</b>	50000 B
<b>OS</b>	Linux

You have an empty stack and you are given some queries. These queries are the basic stack operations such as Push, Pop, and printing the Top element. Now, you should process the given queries.

### Input

First line contains an integer  $T$  ( $0 \leq T \leq 10^6$ ).

Each of the next  $T$  lines contains a query based on these formats.

1  $n$  : Push  $n$  ( $0 < n \leq 10^9$ ) to the top of the stack.

2 : Pop an element from the top of the stack. If the stack is empty, do nothing.

3 : Print the top element of the stack (see Output Format).

### Output

For each query 3, print the top element of the stack. If the stack is empty, print 'Empty!' without quotes.

### Example

#### Input:

```
6
1 15
1 20
2
3
2
3
```

#### Output:

```
15
Empty!
```

**Warning!**

Enormous input data!