

#### ITMOx: I2CPx How to win coding competitions: secrets of champions

Help



- ▶ How To?
- Week 1
- ▼ Week 2

**Computational Complexity.** Linear **Data Structures** 

## 2nd Week **Problems**

due Nov 14, 2016 22:00 **CET** 

2nd Week **Problems: Training** 

2nd Week: **Editorials** 

- Week 3
- Week 4
- Week 5

Week 2 > 2nd Week Problems > Stack

# Stack

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#### Stack

2.0/2.0 points (graded)

Input file:	stack.in
Output file:	stack.out
Time limit:	2 seconds
Memory limit:	256 megabytes

Implement a stack which supports push and pop operations. For every pop operation, output its result.

## Input

The first line of the input file contains a single integer number N (1  $\leq$  N  $\leq$ 10<sup>6</sup>) – the number of commands. N lines follow, each line contains exactly one command. There are the following commands:

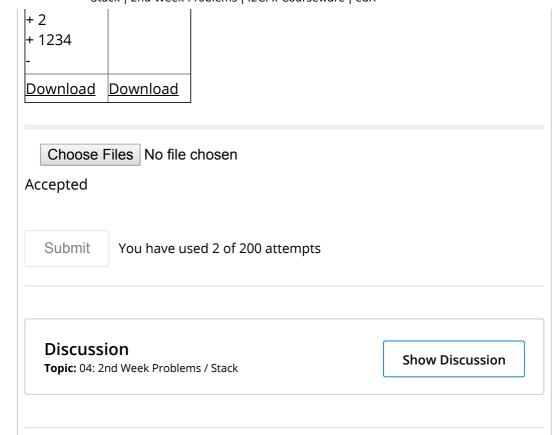
- + x: push x to the stack. Every x will be an integer such that  $|x| \le 10^9$ . The symbol + and the number will be separated by exactly one white space.
- -: pop an element from the stack. It is guaranteed that this operation will never be executed on an empty stack. There will be at least one such operation.

### Output

Output the integers popped from the stack, one per line, in the order they were popped.

## **Example**

stack.in	stack.out
6	10
+ 1	1234
+ 10	
-	
-	



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