October Circuits '18 LIVE

Oct 26, 2018, 09:00 PM IST - Nov 04, 2018, 10:00 PM IST

19 : 53 : 06
HRS   MIN   SEC

LIVE EVENTS

INSTRUCTIONS   PROBLEMS   SUBMISSIONS   LEADERBOARD   ANALYTICS   JUDGE

← Problems / Plus and minus

Plus and minus

Max. Marks: 100

You are given N integers and each one of the integers has an operator between them. The operator can be either $+$ or $-$. You can place any number of pair of parenthesis to make the value of the expression maximum possible.

Note: The opening parenthesis must be placed just before the integer and the closing parenthesis must be placed only after the integer.

Input format

- First line: An integer N denoting the number of integers in the expression.
- Next line: An expression of the form $a_0 op_0 a_1 op_1 \ldots op_{n-2} a_{n-1}$, where op_i will be among $'+'$ or $'-'$.

Output format

- The output must contain a single line that represents the maximum value of the expression that can be obtained by placing zero or more pair of parenthesis.

Constraints

$1 \le N \le 10^5$

$1 \le a_i \le 10^9$ where a_i is the integer in the array

SAMPLE INPUT	SAMPLE OUTPUT
3 1 - 2 - 3	2

Explanation

The maximum possible sum is 2. The expression will be $1 - (2 - 3) = 2$.

Time Limit:	2.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.   Save   Bash (GNU bash, version 4.3 ▾)

```
1  # Sample bash code
2
```

1:1

💡 *Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).*

⏏ Provide custom input

COMPILE & TEST   SUBMIT

✏ **Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.

Your Rating: ☆☆☆☆☆

● ● ●

⏏ Provide custom input

COMPILE & TEST   SUBMIT

✏ **Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.