(/) Explore Problems(/problemset/all/) Interview Contest Discuss(/discuss/) ☆ Premium

5875. Final Value of Variable After Performing Operations

My Submissions (/contest/weekly-contest-259/problems/final-value-of-variable-after-performing-operations/submissions/)

Back to Contest (/contest/weekly-contest-259/)

There is a programming language with only **four** operations and **one** variable X :

- `++X` and `X++` **increments** the value of the variable X by 1 .
- `--X` and `X--` **decrements** the value of the variable X by 1 .

Initially, the value of X is 0 .

Given an array of strings `operations` containing a list of operations, return *the **final** value of* X *after performing all the operations*.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

```
Input: operations = ["--X","X++","X++"]
Output: 1
Explanation: The operations are performed as follows:
Initially, X = 0.
--X: X is decremented by 1, X =  0 - 1 = -1.
X++: X is incremented by 1, X = -1 + 1 =  0.
X++: X is incremented by 1, X =  0 + 1 =  1.
```

Example 2:

```
Input: operations = ["++X","++X","X++"]
Output: 3
Explanation: The operations are performed as follows:
Initially, X = 0.
++X: X is incremented by 1, X = 0 + 1 = 1.
++X: X is incremented by 1, X = 1 + 1 = 2.
X++: X is incremented by 1, X = 2 + 1 = 3.
```

Example 3:

```
Input: operations = ["X++","++X","--X","X--"]
Output: 0
Explanation: The operations are performed as follows:
Initially, X = 0.
X++: X is incremented by 1, X = 0 + 1 = 1.
++X: X is incremented by 1, X = 1 + 1 = 2.
--X: X is decremented by 1, X = 2 - 1 = 1.
X--: X is decremented by 1, X = 1 - 1 = 0.
```

Constraints:

- `1 <= operations.length <= 100`
- `operations[i]` will be either `"++X"` , `"X++"` , `"--X"` , or `"X--"` .

JavaScript ▼

```
1  const pr = console.log;
2
```

```
 3 ▾  const finalValueAfterOperations = (a) => {
 4        let x = 0;
 5 ▾      for (const s of a) {
 6 ▾          if (s == 'X++' || s == '++X') {
 7                x++;
 8 ▾          } else if (s == 'X--' || s == '--X') {
 9                x--;
10            }
11            // pr(x);
12        }
13        return x;
14    };
```

☐ **Custom Testcase**   (Use Example Testcases)

(▶ Run)   (☁ Submit)

Submission Result: Accepted (/submissions/detail/557263532/) ❓   (More Details ❯ (/submissions/detail/557263532/))

Share your acceptance!

Copyright © 2021 LeetCode

Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Online Interview (/interview/) | Students (/student) | Terms (/terms) |

Privacy Policy (/privacy)

🇺🇸 United States (/region)