

Description

Solution

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Submissions

i

Java

Autocomplete

227. Basic Calculator II

Medium

2834

421

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Given a string `s` which represents an expression, *evaluate this expression and return its value*.

The integer division should truncate toward zero.

You may assume that the given expression is always valid. All intermediate results will be in the range of $[-2^{31}, 2^{31} - 1]$.

Note: You are not allowed to use any built-in function which evaluates strings as mathematical expressions, such as `eval()`.

Example 1:

Input: `s = "3+2*2"`
Output: 7

Example 2:

Input: `s = " 3/2 "`
Output: 1

Example 3:

Input: `s = " 3+5 / 2 "`
Output: 5

Constraints:

- `1 <= s.length <= 3 * 105`
- `s` consists of integers and operators `('+', '-', '*', '/')` separated by some number of spaces.
- `s` represents a **valid expression**.
- All the integers in the expression are non-negative integers in the range $[0, 2^{31} - 1]$.
- The answer is **guaranteed** to fit in a **32-bit integer**.

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Seen this question in a real interview before?

Yes

No

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```
1 class Solution {
2     public int calculate(String s) {
3
4     }
5 }
```