

Description

Solution

Submissions

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Python

Autocomplete

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## 772. Basic Calculator III

Hard 427 176 Add to List Share

Implement a basic calculator to evaluate a simple expression string.

The expression string may contain open `(` and closing parentheses `)`, the plus `+` or minus sign `-`, **non-negative** integers and empty spaces .

The expression string contains only non-negative integers, `+`, `-`, `*`, `/` operators, open `(` and closing parentheses `)` and empty spaces . 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 `[-2147483648, 2147483647]`.

Some examples:

```
"1 + 1" = 2
"6-4 / 2" = 4
"2*(5+5*2)/3+(6/2+8)" = 21
"(2+6* 3+5- (3*14/7+2)*5)+3"=-12
```

**Note:** Do not use the `eval` built-in library function.

Accepted 34,795 | Submissions 85,352

Seen this question in a real interview before?

Yes

No

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Console

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```
1 class Solution(object):
2     def calculate(self, s):
3         """
4         :type s: str
5         :rtype: int
6         """
7
```