

The Professor's Lazy Assistant (300 points)

Introduction

The assistant now has a long list of calculations to work out, his professor's notes were quite expression rich. Can you help the assistant by writing a program that can evaluate the expressions inline?

Input Specifications

Your program will take

- A single line of text
- A line may include expressions within square braces
- Operations within expressions include, **+** (addition), **-** (subtraction), **x** (multiplication) and **/** (division).
- Expressions will **NOT** include braces e.g. **4x(4-2)**

Output Specifications

Print out

- a single line of text with the expressions evaluated inline
- The same line without any modifications if no expressions are found

Sample Input/Output

Input

```
[ 24 + 18 ] experiments were conducted this year
```

Output

```
[ 42 ] experiments were conducted this year
```

Explanation

this line only has one expression in square braces which is $24 + 18$. This expression evaluates to 42.

Input

```
A common ratio of [ 2 + 3 ] : [ 16-9 ] was discovered
```

Output

```
A common ratio of [ 5 ] : [ 7 ] was discovered
```

Explanation

his line has two expressions within square braces, $2 + 3$ and $16-9$ which evaluate to 5 and 7 respectively.