

Arithmetic Operations



We provide you with expressions containing $+$, $-$, $*$, $^$, $/$ and parenthesis. None of the numbers in the expression involved will exceed **999**.

Your task is to evaluate the expression and display the output correct to **3** decimal places.

Input Format

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Constraints

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Output Format

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Sample Input

Sample Input 1

```
5+50*3/20 + (19*2)/7
```

Sample Input 2

```
-105+50*3/20 + (19^2)/7
```

Sample Input 3

```
(-105.5*7+50*3)/20 + (19^2)/7
```

Sample Output

Sample Output 1

```
17.929
```

Sample Output 2

```
-45.929
```

Sample Output 3

```
22.146
```

Explanation

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