

The Mathematician's Assistant



You are the assistant to a renowned mathematician. Although you signed up for the job hoping to work on exciting cutting edge mathematics, your day to day job consists of boring scribe work.

The old algebraist is lazy and spends his time dictating math expressions to you. He expects you to run the expressions through a calculator and spit back out the result.

Make your life easier and automate your job!

Input Format

One line of input detailing a math expression using only the four traditional arithmetic operations.

Constraints

Each number in the equation is between 0 and 99 inclusive. (It follows that there are no negative numbers, i.e. two times negative five, but there can be subtraction, i.e. two minus five)

Assume that the mathematician only dictates valid arithmetic expressions, e.g. no division by 0.

The only operations used will be as followed:

```
"plus" (+)
"minus" (-)
"times" (*)
"divided by" (/)
```

As you can see, there are no parentheses etc.

Each word in the input is space delimited.

Numbers are spelled according to American English ("forty" not "fourty"), and are space delimited (i.e. "twenty two").

The result will be between -10^5 and 10^5 inclusive. (Don't worry too much about the size of this)

Output Format

Output the result of the expression rounded to the nearest integer in integer format. Standard order of operations hold.

Sample Input 0

```
seventeen plus thirty eight divided by two minus zero times sixty nine
```

Sample Output 0

```
36
```

Explanation 0

The input should be parsed as the expression

```
17 + 38 / 2 - 0 * 69
```

Following standard order of operations (PEMA, left to right), we have the following calculations shown step

by step:

$$= 17 + 19 - 0 = 36$$