

GFSSOC '15 Fall J3 - Equation Solver

Time limit: 2.0s **Memory limit:** 32M

You've made it to the weekend, and you're ready to sleep! While trying to fall asleep, a nagging voice repeatedly commands you to do your math homework first. Since you want to sleep as soon as possible, you decide to do the problems super quickly. But there's a problem — your math teacher thought it was a funny joke to give you tons of super easy problems. The teacher also thought it was funny to replace $+$ signs with the character P and $-$ signs with the character M . Instead of wasting your time solving each one by hand, you decide to write a program to solve them. The questions will only involve subtraction and addition, and have up to 1 000 terms with all numbers greater than 0 and less than or equal to 1 000.

Input Specification

Line 1: The equation, a sequence of numbers, P , and M . Each term will be space separated from every other term. The equation will be terminated by $=$. There will be at least one term in the sequence.

Output Specification

Output one integer, the solution (right side) of the equation.

Sample Input

```
5 P 13 P 27 M 35 =
```

Sample Output

```
10
```