

4047 Equation

Your task is to solve an equation of the form $f(x) = 0$ where $f(x)$ is written in postfix notation with numbers, operations $+$, $-$, $*$, $/$, and at most one occurrence of a variable x .

For example, $f(x)$ for an equation $(4x + 2)/2 = 0$ is written as:

4 X * 2 + 2 /

The solution for $f(x) = 0$ is $x = -1/2$.

Input

The input file consists of several equations, each of them in a single line with at most 30 tokens separated by spaces. Each token is either:

- a digit from '0' to '9';
- an operation '+', '-', '*', or '/';
- an uppercase letter 'X' that denotes variable x .

The input file contains a correct representation of $f(x)$ in postfix notation where token X occurs at most once. There is no division by a constant zero in this equation, that is, there always exists a value of x , such that $f(x)$ can be evaluated without division by zero.

Output

For each test case, write to the output file:

- 'X = p/q ' if equation $f(x) = 0$ has a single solution that can be represented with a simple fraction p/q , where p and q are coprime integer numbers and q is positive.
- 'NONE' if equation $f(x) = 0$ has no solution;
- 'MULTIPLE' if equation $f(x) = 0$ has multiple solutions.

Sample Input

```
4 X * 2 + 2 /
2 2 *
0 2 X / *
```

Sample Output

```
X = -1/2
NONE
MULTIPLE
```