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
```