The Ultimate Question

HackerRank

Problem Statement

42 is the answer to "The Ultimate Question of Life, The Universe, and Everything". But what *The Ultimate Question* really is? We may never know!

Given three integers, a, b, and c, insert two operators between them so that the following equation is true: $a\ (operator1)\ b\ (operator2)\ c = 42$.

You may only use the addition $(+)$ and multiplication $(*)$ operators. You *can't* change the order of the variables.

If a valid equation exists, print it; otherwise, print **This is not the ultimate question**.

Input Format

A single line consisting three space-separated integers: a, b, and c.

Constraints:
$0 \leq a, b, c \leq 42$

Output Format

Print the equation with *no whitespace* between the operators and the three numbers. If there is no answer, print **This is not the ultimate question**.

Note: It is guaranteed that there is no more than one valid equation per test case.

Sample Input

Example 1:

```
12 5 6
```

Example 2:

```
10 20 12
```

Example 3:

```
5 12 6
```

Sample Output

Example 1:

```
12+5*6
```

Example 2:

```
10+20+12
```

Example 3:

```
This is not the ultimate question
```

Explanation

Example 3 is not the ultimate question, because no combination of operators will equal 42:
$5 + 12 + 6 = 23 \neq 42$
$5 + 12 * 6 = 77 \neq 42$
$5 * 12 + 6 = 66 \neq 42$
$5 * 12 * 6 = 360 \neq 42$