

Input()

This challenge is only for **Python 2** .

input()

In **Python 2**, the expression `input()` is equivalent to `eval(raw_input(prompt))`.

Code

```
>>> input()
1+2
3
>>> company = 'HackerRank'
>>> website = 'www.hackerrank.com'
>>> input()
'The company name: '+company+' and website: '+website
'The company name: HackerRank and website: www.hackerrank.com'
```

Task

You are given a **polynomial** P of a single indeterminate (or variable), x .
You are also given the values of x and k . Your task is to verify if $P(x) = k$.

Constraints

All coefficients of polynomial P are integers.
 x and y are also integers.

Input Format

The first line contains the space separated values of x and k .
The second line contains the polynomial P .

Output Format

Print **True** if $P(x) = k$. Otherwise, print **False**.

Sample Input

```
1 4
x**3 + x**2 + x + 1
```

Sample Output

```
True
```

Explanation

$P(1) = 1^3 + 1^2 + 1 + 1 = 4 = k$
Hence, the output is **True**.