

This challenge is only for $\ensuremath{\textbf{Python}}\ 2$.

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. $m{x}$ and $m{y}$ 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.