Input() ★

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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.

Change Theme   Language   Python 3

```
1   # Enter your code here. Read input from STDIN. Print output to STDOUT
2   x, k = map(int, input().split())
3   poly_exp = input()
4   print((eval(poly_exp))==k)
```

EMACS   Line: 4 Col: 29

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

You have earned 20.00 points!
70/115 challenges solved.

61%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

✓ **Test case 0**

✓ Test case 1 🔒

✓ Test case 2 🔒

✓ Test case 3 🔒

✓ Test case 4 🔒

✓ Test case 5 🔒

Compiler Message

Success

Input (stdin)   Download

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

Expected Output   Download

```
1    True
```

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