

Input()

★

Problem

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Tutorial

This challenge is only forPython 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.

Author

[deleted]

Difficulty

Easy

Max Score

20

Submitted By

58667

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Language

Python 3

1

x,k = map ( int , input().split())

2

p = input()

3

print(eval(p) == k)

4

Line: 4 Col: 1

Upload Code as File

Test against custom input

Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

✔ Sample Test case 0

Download

Input (stdin)

1

1 4

2

x\*\*3 + x\*\*2 + x + 1

Your Output (stdout)

1

True

Expected Output

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1

True

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