

# 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**.