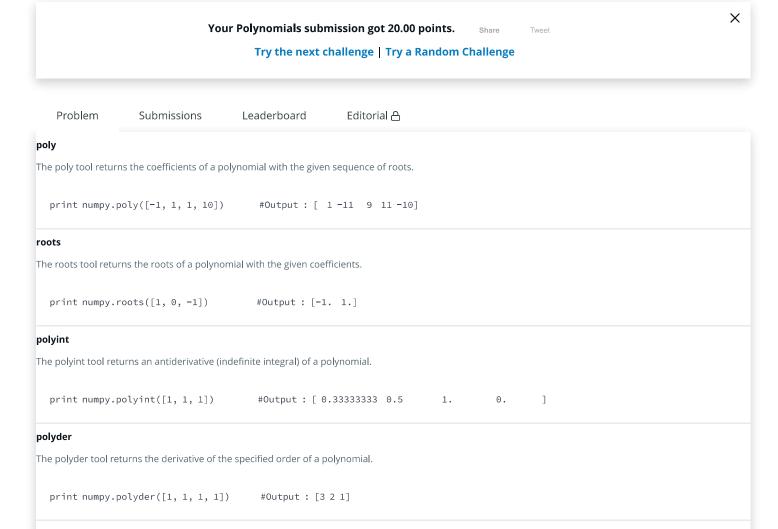
Polynomials ★





polyval

The polyval tool evaluates the polynomial at specific value.

print numpy.polyval([1, -2, 0, 2], 4) #Output : 34

polyfit

The polyfit tool fits a polynomial of a specified order to a set of data using a least-squares approach.

```
print numpy.polyfit([0,1,-1, 2, -2], [0,1,1, 4, 4], 2) #Output: [ 1.00000000e+00 0.00000000e+00 -3.97205465e-16]
```

The functions polyadd, polysub, polymul, and polydiv also handle proper addition, subtraction, multiplication, and division of polynomial coefficients, respectively.

Task

You are given the coefficients of a polynomial $oldsymbol{P}$.

Your task is to find the value of $m{P}$ at point $m{x}$.

Input Format

```
The first line contains the space separated value of the coefficients in P.

The second line contains the value of a.

Output Format

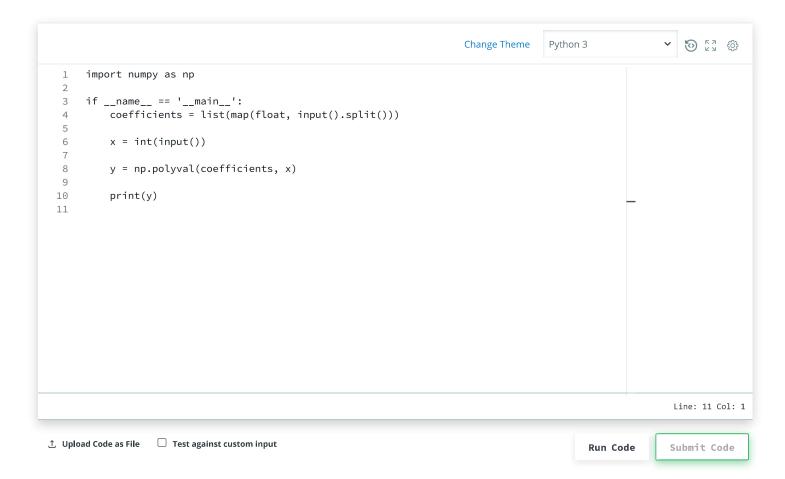
Print the desired value.

Sample Input

1.1 2 3 0

Sample Output

3.0
```



You have earned 20.00 points!

You solved this challenge Would you

73/115 challenges solved.

63%



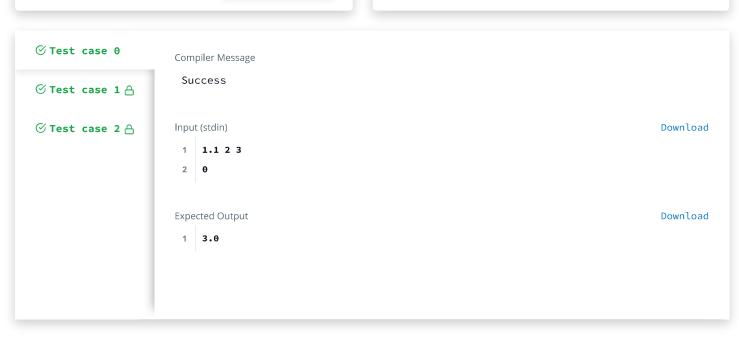
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