
Count of a list

X76287_en

The count of a list t is the number of non-list elements that it contains. For example, the count of $['a', 'b', 'c']$ is 3, the count of $['a', ['a', 'a'], 'a']$ is 4, the count of $[[['a']]]$ is 1, and the count of $[]$ is 0.

Write a program that prints the count of every given list.

Define and use a recursive function

`count(t)`

that returns the count of a list t .

Hint

Using the `ast` package, you can extract the list t encoded in a string s with $t = ast.literal_eval(s)$.

Input

The input consists of several lists.

Output

Print the count of every given list.

Sample input

```
[]
['a', 'b', 'c']
['a', ['a', 'a'], 'a']
[[['a']]]
```

Sample output

```
0
3
4
1
```

Observation

You only need to submit the required procedure; your main program will be ignored.

Problem information

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