

Ankit Aggarwal (/dashboard)

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## PROBLEM 4: ERICIAN: 15.0 POINTS

A word is considered *erician* if it contains the letters [e], [r], [i], and [c] in it, in that order. For example, we would say that the following words are erician: "meritocracy", "generic", "derrick", "euphoric", "heretic", and "electric", because they each contain those four letters in the correct order. The word "rice" is not erician because the four letters appear in the wrong order.

In this problem, we want you to write a more generalized function called |x ian(x, word) | that returns | True | if all the letters of x are contained in word in the same order as they appear in x. For example:

```
>>> x_ian('eric', 'algebraic')
True
>>> x_ian('john', 'mahjong')
False
>>> x_ian('alvin', 'palavering')
True
>>> x ian('sarina', 'czarina')
False
```

This function has to be recursive! You may not use loops ( for or while ) to solve this problem.

```
1 def x ian(x, word):
 2
 3
       Given a string \mathbf{x}, returns True if all the letters in \mathbf{x} are
       contained in word in the same order as they appear in x.
 4
 5
 6
       x: a string
 7
       word: a string
       returns: True if word is x ian, False otherwise
 8
 9
10
       ###TODO
11
```

Unsubmitted

Note: In programming there are many ways to solve a problem. For your code to check correctly here, though, you must write your recursive function such that you make a recursive call directly to the function [x ian]. Thank you for understanding.

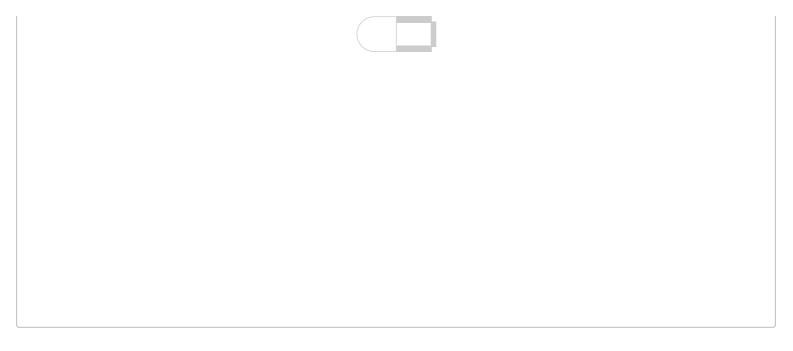
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