

Curso > Week 4... > 7. Testi... > Exercis...

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# Exercise 2

Finger Exercises due Aug 5, 2020 20:30 -03 Completo

#### Exercise 2

1/1 point (graded)

#### **ESTIMATED TIME TO COMPLETE: 5 minutes**

Consider the following code specification:

def union(set1, set2):

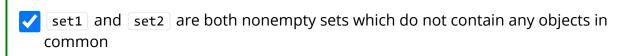
set1 and set2 are collections of objects, each of which might be empty.

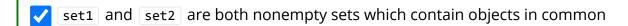
Each set has no duplicates within itself, but there may be objects that are in both sets. Objects are assumed to be of the same type.

This function returns one set containing all elements from both input sets, but with no duplicates.

Indicate which of the conditions below would combine to make a good black box test suite for the function union by selecting the appropriate choice(s).

- set1 is an empty set; set2 is an empty set
- ✓ set1 is an empty set; set2 is of size greater than or equal to 1
- set1 is of size greater than or equal to 1; set2 is an empty set



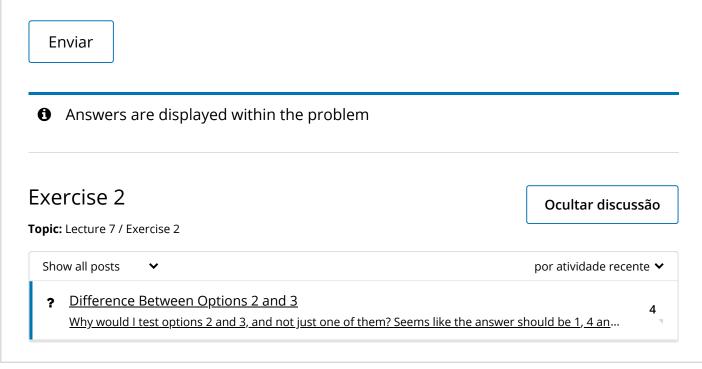




## **Explanation:**

A good black box test suite would contain tests for all of the given conditions! Black-box testing tests the functionality of an application, by looking at the paths through its specifications.

According to the specifications, the possibilities for set1 and set2 are as follows: both sets are empty; one of the sets is empty and one has at least one object; both sets are not empty. The tests list all the combinations of those possibilities for set1 and set2.



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