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## Problem 6

Problem Set due Jul 30, 2020 20:30 -03 Completo

### Problem 6-1

1/1 point (graded)

Answer the questions below based on the following sorting function. If it helps, you may paste the code in your programming environment. Study the output to make sure you understand the way it sorts.

Does this function sort the list in increasing or decreasing order? (items at lower indices being smaller means it sorts in increasing order, and vice versa)



Decreasing



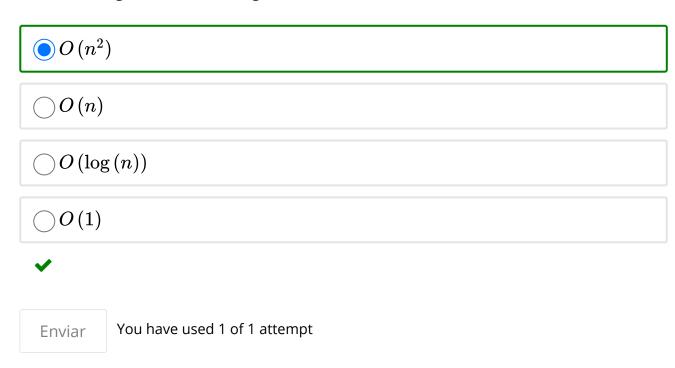
Enviar

You have used 1 of 1 attempt

# Problem 6-2

1/1 point (graded)

What is the worst case time complexity of swapSort? Consider different kinds of lists when the length of the list is large.



## Problem 6-3

1/1 point (graded)

If we make a small change to the line for j in range(i+1, len(L)): such that the code becomes:

What happens to the behavior of swapSort with this new code? No change modSwapSort now orders the list in descending order for all lists. modSwapSort now orders the list in descending order for SOME lists but not all modSwapSort enters an infinite loop. You have used 1 of 1 attempt Enviar Problem 6-4 0/1 point (graded) What happens to the time complexity of this modSwapSort? Best and worst cases stay the same. O Worst case stays the same but best case changes. Best and worst cases change. You have used 1 of 1 attempt Enviar Problem 6 Ocultar discussão Topic: Problem Set 6 / Problem 6 Add a Post Show all posts por atividade recente

Thanks to people preparing these questions
I really appreciated the note on '(items at lower indices being smaller means it sorts in increasing...

Progress Bar
It said "The lowest 1 Problem set scores are dropped". Does that mean that the lowest score that...

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