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For each of the following questions, answer True or False:

PROBLEM 1-1 (1 point possible)


Guess-and-check is one method that proves the correctness of an algorithm.

- ☒ True 
- ☐ False

You have used 1 of 1 submissions

PROBLEM 1-2 (1 point possible)


Any program that can be implemented iteratively can also be implemented recursively.

- ☐ True
- ☒ False 

You have used 1 of 1 submissions

PROBLEM 1-3 (1/1 point)


The complexity of binary search on a sorted list of n items is $O(\log n)$.

- ☒ True 
- ☐ False

You have used 1 of 1 submissions

PROBLEM 1-4 (1 point possible)


All $O(1)$ functions take exactly the same amount of time to run.

- ☒ True 
- ☐ False

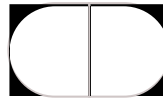
You have used 1 of 1 submissions

PROBLEM 1-5 (1/1 point)

The class `object` is a subclass of the class `list`.

- ☐ True
- ☒ False 

You have used 1 of 1 submissions



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