Problem 2

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Problem 2-1

1 point possible (graded)

Indirection, as talked about in lecture, means you have to traverse the list more than once.

- ○ True
- ○ False

Submit You have used 0 of 1 attempt

Problem 2-2

1 point possible (graded)

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

- ○ True
- ○ False

Submit You have used 0 of 1 attempt

▾ Week 6: Algorithmic Complexity

11. Computational Complexity
Finger Exercises

12. Searching and Sorting Algorithms
Finger Exercises

Problem Set 6
Problem Set due Mar 9, 2017 15:30 PST

▸ Week 7: Plotting

▸ Exit Survey

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Problem 2-3

1 point possible (graded)

The worst case time complexity for selection sort is $O(n^2)$.

- True
- False

Submit You have used 0 of 1 attempt

Problem 2-4

1 point possible (graded)

The base case for the recursive version of merge sort from lecture is checking ONLY for the list being empty.

- True
- False

Submit You have used 0 of 1 attempt

Problem 2

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