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## Problem 2

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## Problem 2-1

1/1 point (graded)

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

☐ True

☒ False



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## Problem 2-2

1/1 point (graded)

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

☒ True

☐ False



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## Problem 2-3

1/1 point (graded)

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

☒ True

☐ False



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## Problem 2-4

1/1 point (graded)

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

☐ True

☒ False



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