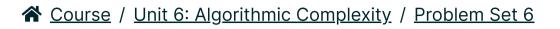


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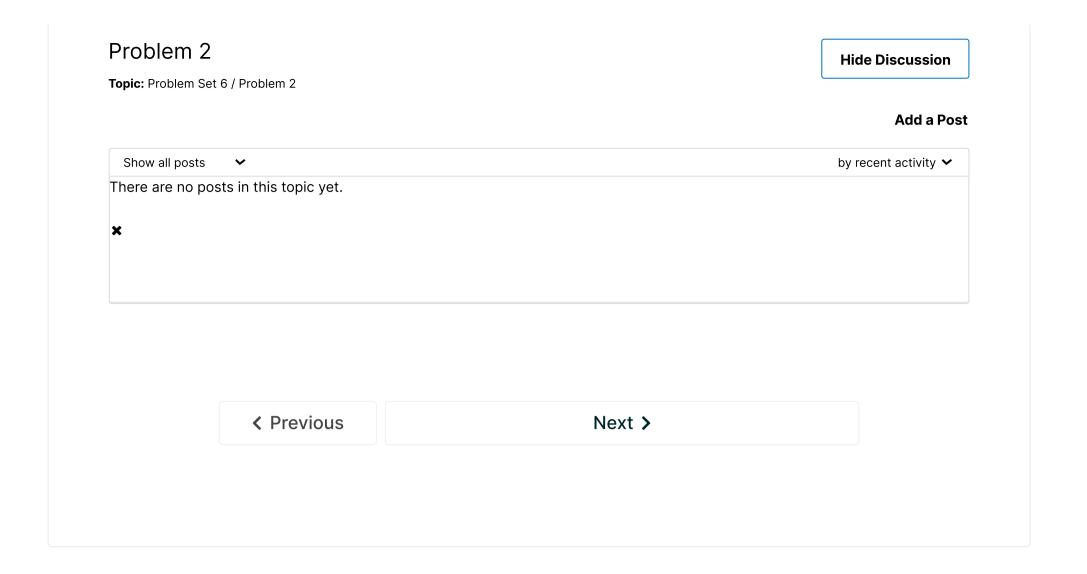
## **Problem 2**

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Problem Set due Oct 21, 2022 07:30 +08 Completed 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 Submit You have used 1 of 1 attempt 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 Submit You have used 1 of 1 attempt Problem 2-3 1/1 point (graded) The worst case time complexity for selection sort is  $O(n^2)$ . True False Submit You have used 1 of 1 attempt 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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You have used 1 of 1 attempt



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