

**MITx:** 6.00.1x Introduction to Computer Science and Programming Using Python

<u>Help</u>

Course > Week 6: Algorithmic Complexity > Problem Set 6 > Problem 2

## Problem 2

☐ Bookmark this page

## Problem 2-1

1/1 point (graded)

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

O 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			
<ul><li>False</li></ul>			

Submit You have used 1 of 1 attempt

## Problem 2-3

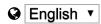
1/1 point (graded)

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

<ul><li>False</li></ul>	
Submit	You have used 1 of 1 attempt
Problem	
he base ca he list beir	se for the recursive version of merge sort from lecture is checking ONLY for
he base ca	ise for the recursive version of merge sort from lecture is checking ONLY for g empty.
he list beir	ise for the recursive version of merge sort from lecture is checking ONLY for g empty.

© All Rights Reserved





© 2012–2017 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open edX logos are registered trademarks or trademarks of edX Inc. | 粵ICP备17044299号-2

