



< Previous



Next >

## Problem 1

🔖 Bookmark this page



Hide Notes

## Problem 1-1

1/1 point (graded)

The ONLY thing we are interested in when designing programs is that it returns the correct answer.

☐ True

☒ False



Submit

You have used 1 of 1 attempt

## Problem 1-2

0/1 point (graded)

When determining asymptotic complexity, we discard all terms except for the one with the largest growth rate.

☐ True

☒ False



Submit

You have used 1 of 1 attempt

## Problem 1-3

1/1 point (graded)

Bisection search is an example of linear time complexity

☐ True

☒ False



Submit

You have used 1 of 1 attempt

## Problem 1-4

1/1 point (graded)

For large values of  $n$ , an algorithm that takes  $20000n^2$  steps has better time complexity (takes less time) than one that takes  $0.001n^5$  steps

☒ True

☐ False



Submit

You have used 1 of 1 attempt

## Verified Certificates

Interested in using an edX certificate to bolster a college application or to advance your career? With an edX verified certificate, you can demonstrate to colleges, employers, and colleagues that you successfully completed a challenging edX course, while helping to support the edX non-profit mission. You can register to earn a Verified Certificate directly [here](#).



## Problem 1

**Topic:** Problem Set 6 / Problem 1

Hide Discussion

Add a Post

Show all posts   ▼

by recent activity   ▼

🗨 Verifiable certificate

How did the opportunity to get a verifiable certificate expire 11/1/2018? The verification deadline for Introduction to Computer Scien...

5

◀ Previous

Next ▶



## edX

- [About](#)
- [Affiliates](#)
- [edX for Business](#)
- [Open edX](#)
- [Careers](#)
- [News](#)

## Legal

- [Terms of Service & Honor Code](#)
- [Privacy Policy](#)
- [Accessibility Policy](#)
- [Trademark Policy](#)

✎ Hide Notes

# Connect

[Blog](#)

[Contact Us](#)

[Help Center](#)

[Media Kit](#)

