PROBLEM 1-1 (1/1 point)

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

○ True

◉ False   ✔

You have used 1 of 1 submissions

PROBLEM 1-2 (1/1 point)

Roughly speaking, under the RAM model of computation, adding two numbers takes the same amount of time as dividing them.

◉ True   ✔

○ False

You have used 1 of 1 submissions

Help

PROBLEM 1-3 (1/1 point)

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

⊙ True ✔

○ False

Show Answer   *You have used 1 of 1 submissions*

PROBLEM 1-4 (1/1 point)

Bisection search is an example of linear time complexity

○ True

⊙ False ✔

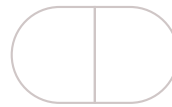*You have used 1 of 1 submissions*

PROBLEM 1-5 (1/1 point)

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

You have used 1 of 1 submissions

Show Discussion   ✎ New Post

About edX

About

News

Contact

FAQ

edX Blog

Donate to edX

Jobs at edX

Follow Us

🐦 Twitter

f Facebook

📅 Meetup

in LinkedIn

g+ Google+

Terms of Service and Honor Code

Privacy Policy (Revised 10/22/2014)