Practice questions: Problem Complexity and NP-Completeness

Bookmark this page

Checkboxes

3/3 points (ungraded)

1. The complexity of a problem is defined as:

- [x] the minimum complexity of the algorithms used to solve the problem
- [ ] the maximum complexity of the algorithms used to solve the problem
- [ ] the average complexity of the algorithms used to solve the problem

✔

2. To solve NP problems, you often need to use algorithms with:

- [ ] linear complexity
- [ ] quadratic complexity
- [x] exponential complexity

✔

3. The traveling salesman problem is an NP-complete problem.

- [x] True
- [ ] False

✔

Submit

Answers are displayed within the problem

edX

About
Affiliates
edX for Business
Open edX
Careers
News

Legal

Terms of Service & Honor Code
Privacy Policy
Accessibility Policy
Trademark Policy
Sitemap

Connect

Blog
Contact Us
Help Center
Media Kit
Donate