

Started on Sunday, 30 June 2024, 12:53 AM

State Finished

Completed on Sunday, 30 June 2024, 12:53 AM

Time taken 6 secs

Marks 0.00/2.00

Grade 0.00 out of 100.00

Question 1

Not answered

Marked out of 1.00

Which of the following is NOT one of the steps used in a Divide-and-conquer algorithm to solve a problem?

Select one:

- ☐ a. Breaking the problem into subproblems that are themselves smaller instances of the same type of problem
- ☐ b. Recursively solving the subproblems
- ☐ c. Appropriately combining the answers of the solved subproblems
- ☐ d. Exhaustively searching every potential path of the problem to identify all solution candidates

The correct answer is: Exhaustively searching every potential path of the problem to identify all solution candidates

Question 2

Not answered

Marked out of 1.00

True/False: Amortized analysis allows for the establishment of a worst-case bound for the performance of an algorithm irrespective of the inputs by looking at all of the operations.

Select one:

- ☐ True
- ☐ False

The correct answer is 'True'.

