

# Quiz

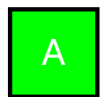
June 4, 2024

Which of the following is/are true about safe state and deadlock state?

- ☐ A If the system is in an unsafe state, it must also be in a deadlock state.
- ☐ B If the system is in an unsafe state, there must be circular wait.
- ☒ C If the system is in a safe state, it cannot be in a deadlock state.
- ☒ D If the system is in a safe state, it may transit to a deadlock state in the future.

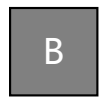
提交

Which of the following is/are true about deadlock prevention and deadlock detection?



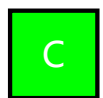
A

Banker's algorithm is a deadlock prevention algorithm that ensures there is no circular wait in the system.



B

Banker's algorithm impose a total ordering of all resource types, and require that each process requests resources in an increasing order.



C

Deadlock detection requires proper deadlock handling, which is challenging in practice.



D

Resource allocation graph can be used for deadlock detection, because circular wait always means deadlock.

提交

主观题 4分



Please provide one constructive suggestion for future OS courses.

作答

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Please provide another constructive suggestion for future OS courses.

作答