练习5 (第7章)

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#1 Points possible: 3	
For operating systems, deadlock means	
A program is looping foreverhardware malfunctions	
processes are blocked and wait for each of	other to finish
#2 Points possible: 3	
Which of the following is not a necessary condition	n of deadlock?
Number of resources	
Hold and wait	
Mutual exclusion	
Circular wait	
#3 Points possible: 3	
A system has 3 concurrent processes, each of which of resource R. What is the minimum number of reavoid the deadlock.	•
O 9	
10	
O 11	
O 12	

Assume that a system has 9 instances of 1 resource type shared by 4 processes. How many resource instances can a process be allowed to request in order to avoid deadlock?	
O 1	
O 2	
3	
O 4	
#5 Points possible: 3	
There are N processes which share M mutual exclusive resources, each process can hold W resources at most. Which of the following condition may cause a deadlock?	
○ M=2, N=1, W=2	
○ M=2, N=2, W=1	
○ M=4, N=3, W=2	
M=4, N=2, W=3	
#6 Points possible: 3	
A system is in a deadlock, if its resource allocation graph	
ocontains a cycle	
Odoesn't contain a cycle	
contains a cycle and there is just one instance of every resource	
 has at least one outgoing edge from any one of the process nodes 	
#7 Points possible: 3	
Banker's algorithm is one of algorithm。	
 deadlock recovery 	

- deadlock avoidance
- deadlock prevention
- deadlock detection

#8 Points possible: 3

Which of the following operating system uses Banker's Algorithm to perform deadlock avoidance?

- Windows XP
- Linux
- FreeBSD UNIX
- None of the above

#9 Points possible: 3

Which of the following phenomena is not a kind of deadlock?

- Two cars crossing a single-lane bridge form opposite directions
- A person is going down a ladder while another is climbing up the ladder
- Two trains traveling toward each other in the same track
- A car cannot move forward because a bridge is damaged.

#10 Points possible: 3

The deadlock prevention is a set of methods for ensuring that at least one of the necessary conditions of deadlock can not be held. In the following methods, which one breaks the "Circular Wait" condition.

- Banker's Algorithm
- Each process request and be allocated all its resources before it begins execution
- Each process request resources in the ascending order of resource ID number.

onone of the above