

deadlock_110213076

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系统管理员: Windows PowerShell
PS C:\Users\alice\Desktop\Junior\OS\banker> dotnet run
Initial system
Number of processes: 5
Number of resources: 4
Available resources: 2 2 2 4
Maximum resources for each process:
Process 0: 6 4 7 3
Process 1: 4 2 3 2
Process 2: 2 5 3 3
Process 3: 6 3 3 2
Process 4: 5 6 7 5
Allocated resources for each process:
Process 0: 3 1 4 1
Process 1: 2 1 0 2
Process 2: 2 4 1 3
Process 3: 4 1 1 0
Process 4: 2 2 2 1
Need matrix:
Process 0: 3 3 3 2
Process 1: 2 1 3 0
Process 2: 0 1 2 0
Process 3: 2 2 2 2
Process 4: 3 4 5 4
System is in safe state.
Safe sequence is: 2, 3, 0, 1, 4

-----Request-----
Enter process number: 4
Enter request: 2 2 2 4
Available: 0 0 0 0
New allocation matrix:
Process 0: 3 1 4 1
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系统管理员: Windows PowerShell
Process 2: 2 4 1 3
Process 3: 4 1 1 0
Process 4: 4 4 4 5
New need matrix:
Process 0: 3 3 3 2
Process 1: 2 1 3 0
Process 2: 0 1 2 0
Process 3: 2 2 2 2
Process 4: 1 2 3 0

System is not in safe state after the request
Do you want to continue? (y/n) y
-----Request-----
Enter process number: 2
Enter request: 0 1 1 0
Available: 2 1 1 4
New allocation matrix:
Process 0: 3 1 4 1
Process 1: 2 1 0 2
Process 2: 2 5 2 3
Process 3: 4 1 1 0
Process 4: 2 2 2 1
New need matrix:
Process 0: 3 3 3 2
Process 1: 2 1 3 0
Process 2: 0 0 1 0
Process 3: 2 2 2 2
Process 4: 3 4 5 4

System is in safe state after the request
Safe sequence is: 2, 3, 0, 1, 4
Do you want to continue? (y/n) y
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系统管理员: Windows PowerShell
New need matrix:
Process 0: 3 3 3 2
Process 1: 2 1 3 0
Process 2: 0 0 1 0
Process 3: 2 2 2 2
Process 4: 3 4 5 4

System is in safe state after the request
Safe sequence is: 2, 3, 0, 1, 4
Do you want to continue? (y/n) y
-----Request-----
Enter process number: 3
Enter request: 2 2 1 2
Available: 0 0 1 2
New allocation matrix:
Process 0: 3 1 4 1
Process 1: 2 1 0 2
Process 2: 2 4 1 3
Process 3: 6 3 2 2
Process 4: 2 2 2 1
New need matrix:
Process 0: 3 3 3 2
Process 1: 2 1 3 0
Process 2: 0 1 2 0
Process 3: 0 0 1 0
Process 4: 3 4 5 4

System is in safe state after the request
Safe sequence is: 3, 0, 1, 2, 4
Do you want to continue? (y/n) n
Exit the system...
PS C:\Users\alice\Desktop\Junior\OS\banker>
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