DEADLOCKS - EXERCISES

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Exercise - 1

□ Consider the following snapshot of a system:

	Allocation A B C D	Max A B C D	Available A B C D
P0	0 0 1 2	0 0 1 2	1 5 2 0
P1	1 0 0 0	1 7 5 0	
P2	1 3 5 4	2 3 5 6	
P3	0 6 3 2	0 6 5 2	
P4	0 0 1 4	0 6 5 6	

- What is the content of matix Need
- Is the system in a safe system?
- If a request from Process P1 arrives for (0,4,2,0) can the request be granted immediately?

Exercise - 2

- Total resources in the system : 6 5 7 6

- Consider the following snapshot of a system:

	Allocation A B C D	Max A B C D	Available A B C D
P1	1 2 2 1	3 3 2 2	3 1 1 2
P2	1 0 3 3	1 2 3 4	
P3	1 2 1 0	1 3 5 0	

- From the initial state,
  - P3 requests (0,0,2,0)
  - P3 requests (0,0,1,0)
  - P2 requests (0,1,0,0)