Q16: The following matrices illustrate the situation of a computer system.

Allocation			
	A	B	C
T0	0	1	0
T1	2	0	0
T2	3	0	2
T3	2	1	1
T4	0	0	2

Max		
A	B	C
7	5	3
3	2	2
9	0	2
2	2	2
4	3	3

Available		
A	B	C
3	3	2

Assume that the total number of each system resource is < 10, 5, 7> where and Ri means the amount of resource Pi

a) What are the contents of the matrix NEED?

NEED		
A	B	C

b) Is the system a safe state? If yes, write a safe sequence.

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a) What are the contents of the matrix NEED?

NEED		
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b) Is the system a safe state? If yes, write a safe sequence.

Work			
R0	R1	R2	R3