Hiba Zubair

Section F

18K-5361

Date:

Process	Allocation	Max	Available
P_0	[2 0 0 1]	[4 2 1 2]	[3 2 2 1]
P_1	[3 1 2 1]	[5 2 5 2]	
P_2	[2 1 0 3]	[2 3 1 6]	
P_3	[1 3 1 2]	[1 4 2 4]	
P_4	[1 4 3 2]	[3 6 6 5]	
	7 9 6 9		
	+ 3 3 2 1 / 1 2 1 2 8 1 0		

Need	check condition	New Available:
[2 2 1 1]	N<A	P_0 [5 3 2 2]
[2 1 3 1]	N>A, N<A	P_3 [6 6 3 4]
[0 2 1 3]	N>A, N<A	P_4 [7 10 6 6]
[0 1 1 2]	N<A	P_1 [10 11 8 7]
[2 2 3 3]	N<A	P_2 [12 12 8 10]

Safe sequence: $P_0 \rightarrow P_3 \rightarrow P_4 \rightarrow P_1 \rightarrow P_2$

Since Total = New available after termination of P_2 i.e P_2 [12 12 8 10]

Therefore SOT is correct