	Allocation	Max	Available	Need	
	A B C D	A B C D	A B C D	A B C D	
P_0	3 0 1 4	5 1 1 7	0 3 0 1	2 1 0 3	P_2
P_1	2 2 1 0	3 2 1 1	3 4 2 2	1 0 0 1	P_4
P_2	3 1 2 1	3 3 2 1	7 6 3 4	0 2 0 0	P_0
P_3	0 5 1 0	4 6 1 2	10 6 4 8	4 5 0 2	P_1
P_4	4 2 1 2	6 3 2 5	12 8 5 8	2 1 1 3	P_3
			12 13 6 8		

Since there exists a safe state

$P_2 \rightarrow P_4 \rightarrow P_0 \rightarrow P_1 \rightarrow P_3$

the deadlock does not exists

Kaustik ND
Roll No 81