

M. ANWAR

SP22-BSE-023

A	B	C	D

AVa =

A	B	C	D
13	5	5	4

Need =

A	B	D
0	1	1

P ₀	P ₂	P ₁
6	8	4

Safety
Check

Resource Request:

P₅ =>

3	2	3	1
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Available array =

A	B	C	D
6	3	5	4

Resource vector =

A	B	C	D
15	6	9	8

← (a) initial state →

	A	B	C	D		A	B	C	D
P ₀	7	5	3	4		2	0	2	1
P ₁	0	0	0	0		0	0	0	0
P ₂	3	4	4	2	⇒	4	1	0	2
P ₃	0	0	0	0		0	0	0	0
P ₄	0	0	0	0		0	0	0	0
P ₅	3	4	3	3		1	0	1	1

demand

Allocation:

	A	B	C	D
P ₀	5	5	1	3
P ₁	0	0	0	0
P ₂				
P ₃				
P ₄				
P ₅				