Bankeris Algo - Deadlock Avoidance - Deadlock perection Safe - If deadlock not occurs Unsafe - If deadlock occurs.

[Total A = 10, B = 5, C = 7]

Proces	Alloca	tion 1	Ma	X N	leed	1 Aug	xilal	ole 1	Rema	ining	Need
7		C			С		B		A	B	C
P	0 1	0	7	S	3	3	3	2	7	4	3
P2	2 0	0	3	2	2	5	3	2	1	2	2
P ₃	3 0	2	9	O	2	7	4	3	6	0	0
Py	2 1)	4	2	2	7	4	5-	2	1	1
Ps	0 0	2	5	3	3	7	S	5-	5	3	
	7 2	5				1,0	- S	7			

first available = (3,3,2)

Fy fulfil 80 " =
$$(5,3,2)+(2,1,1)=(7,4,3)$$

Fy fulfil " = $(7,4,3)+(0,0,2)=(7,4,5)$
Fulfil " $(7,4,5)+(0,1,0)=(7,5,5)$
Fulfil " $(7,5,5)+(3,0,2)=(10,5,7)$

so ans is correct and

Total

Procen	Allocation A B C	Max News	Available	Current Mud
P			ABC	ABC
0	2 10	8 6 3	4 3 2	6 5 3
Pz	1 2 2	9 4 3	7 3 3	8 2 1
P3	0 0 0	5 33	7 5 3	
Py	3 0 1	4 2 3	9 6 3)
	6 5 3			2 2
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First ewarlable = (4,3,2)

) 80 rcm avoil
$$(4,3,2) + (3,0,1) = (7,3,3)$$

So rem aver) =
$$(7,3,3)+(0,2,0)=(7,5,3)$$

So rem aver) = $(7,3,3)+(0,2,0)=(7,5,3)$

$$S = \text{tem awail} = (7, 5, 3) + (2, 1, 0) = (9, 6, 3)$$

$$(9,6,3) + (1,2,2) = (0,8,5)$$