Ass	signment #2	
1-0)	P. Regrest = [0, 4, 2, 0]	
	· Request, S Need,	
	$[0,4,2,0] \leq [0,7,5,0]$	
	· Request, < Available	
	$[0,4,2,0] \leq [1,5,2,0]$	
111. V - 1	Possible New State	
Work = New Available = [1,5,2,0] - [0,4,20] = Available - Request,		
	Work = [1,1,0,0]	
	Alask - III D III Fazzzzz	
	Need, = Need, - Regrest, = [0,7,5,0] - [0,4,2,0]	
	Need, = [0,3,3,0]	
	Allocation, = Allocation, + Reguest,	
	= [1,0,0,0] + [0,4,2,0]	
	Allocation, = [1,4,2,0]	
	Thoracan style, e.	
	New Need Matrix New Allocation Matrix	
Po		
	[0,3,3,0] * P, [1,4,2,0]	
	[1,0,0,2] Pz [1,3,5,4]	
P3		
Pu	[0,6,4,2] Py [0,0,1;4]	
	ork = [1,1,0,0]	
	Safety Algo Safety Seg= [Po, Pz, B, Pu, P,]	
io	Needo < Work	
	$[0,0,0,0) \leq [1,1,0,0]$	
	Work= work + Allocation = [1,1,0,0] + [0,0,1,2]	
	Work = [1,1,1,2]	
îl	Meed, & Work	
	[0,3,3,0] ×[1,1,1,2]	
12	Need 2 5 Work	
	[1,0,0,2] \(\in \big(\big) \) [1,1,2]	
	Work = Work + Allocation = [1,1,1,2) + [1,3,5,4)	
	Work= [2,4,6,6]	

	Assignment #2
1. c)	
	13 Needz S Work
6	[D, 0,2,D7 < [2,4,6,6]
	Work = work + Allocation 3 = [2,4,6,6] + [0,6,3,2]
	Work = [2,10,9,8]
	14 Needy & Work
	[0,6,4,2] 5 [2,10,9,8]
	Work = Work + Allocationy = [2,10,9,8]+ [0,0,1,4]
	Work = [2, 10, 10, 12]
	Need, < Work
	$[0,3,3,0] \leq [2,10,10,12]$
	· Requests can be granted be cause it leaves The system in a safe state. Request, = [0,4,2,0]
	the system in a safe state. Request, = [0,4,2,0]
	The scale sequence is [Po, P2, P3, P4, P,]