

(a) You the system is in safe state and the order in safe state and the order in  $P_2 \rightarrow P_3 \rightarrow P_4 \rightarrow P_0 \rightarrow P_1$ 

P1 arriver wit (1,1,0,0) \( \) (2,1,3,1) ie Need Also (1;1,0,0) \( \) Allailable (3,3,2,1)

So an be granted checking whether safe state or Not yes It is in safe state. With sequence \( P\_1 \rightarrow P\_2 \rightarrow P\_3 \rightarrow P\_4 \rightarrow P\_0

So Auguest can be immediately granted

## Comment for video

Po	Allocation ABC 0 1 0	Need ABC 7 43	Available ABL 230	4
PI	302	020	2 40	# 2
P2 P3	302	6 0 0 0 11	5 4 2 8 4 4 10 5 5	3
Alo Nex-	$002$ $\Rightarrow (0,2,0)$ $(0,2,0)$ $\Rightarrow (heating for p) \Rightarrow P \Rightarrow $	or safe sto $\rightarrow P_3 \rightarrow f$	. ( 1 . )	and