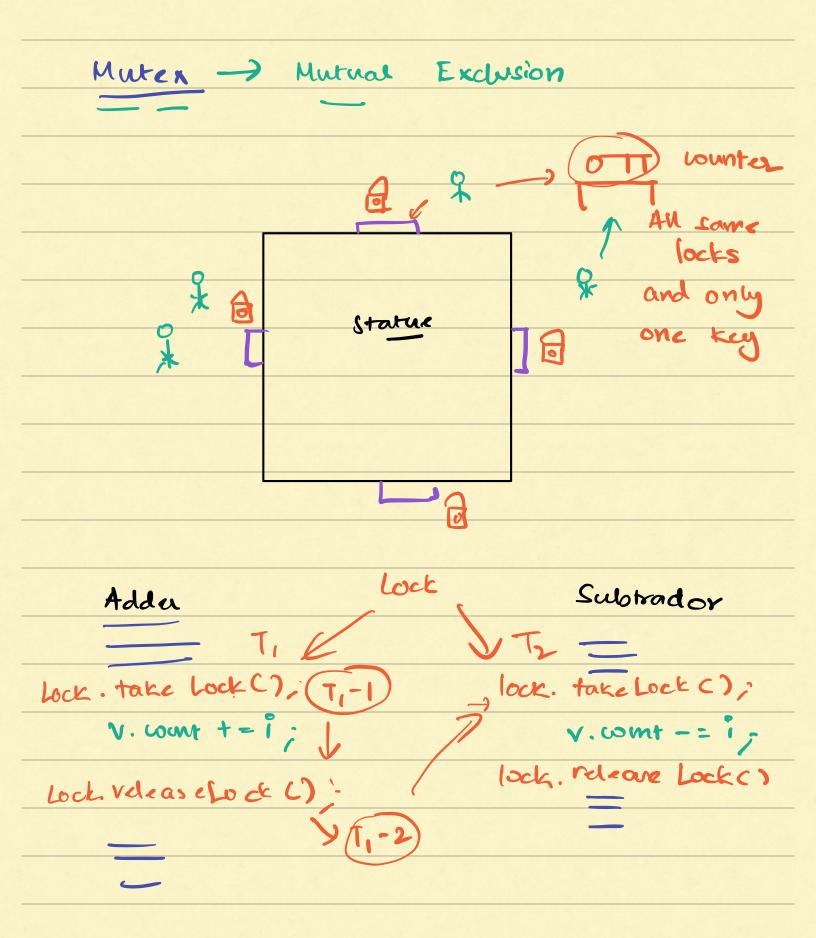


1. Critical Section -> any part of wdc
dealing with shared
memory is called CS.
data
1) sout ("Hello"),
3) Sout ("V="+V),
1) sout ("Hello");
© v. wmt -= (;
5 sout (" Hello 2"); Critical Section
(v. coent *=1;
@ sout (" Hollo 3");

1. Kace mimi	-> when two threads
~ ~	enter the same critical
	Section at the same
	time.
T, U	T21
() add (Q);	3 List g. ramove (Q. size -1)
(5) print (list (3);	
3. Precomptive ness:	Ending a tast before
	completion
	completion T2
	completion
T	completion T2
(i) add(Q);	completion T2
T	completion T2
(3) print (ust 9);	T2 (2) List g. remove (Q. size -1)
(i) add(Q);	T2 (2) List g. remove (Q. size -1)



Synchronised keyword	
Value Sync	homisell block
Synchomised methods:	
Adder & C	
Synchronised add (Inti) & local	k).lock()
	Adder (a) = new
2 lock. unlock()	Adda b= ner T
void subtract () {	a.add a.add
	a. add a. multiply
7	X wait
Synchronisalvoid multiply () {	a.add a.suspect
	7, 72

		· ·	
Produces (co	nsumy		
		ing 1 th	read to
			vays beneficio
	* * * *	× ×	Produce item
yothes			7 only when
Store			a shelf is
Λ .			empty
011			
	0 0 0	•	
	X X X	cons	uma Item
		Otloo	y when one shelf
			item
			(1011-

a.ddd b.add

