Age	nda:				
	cer Consi	um es.			
		Synchron	rised with	n locks	
		Semaphos			
Atom	ic Intege				
	J				
0 1	C 50				
- Frodu	uca Con				
			<u> </u>		
		* * *	-> Pro	odicers	
	01 1- 4-	* ***			
Who is allowed	Store 1	,			
coms: OX OXZ	5 4 5				
Prod: 8 4 8 4	Δ	<u> </u>	<u>\( \lambda \)</u>		
7					
				) consu	mas
0	4	* *	* /		
VI: Sunch	nvo misation	Issues			
		but allo	امد امد	. 1	
the	red to	work on	store	O elfrical	
· ·	la cine	# 1 three &	in Ca	Section	
1>	110115			P	

# Broducu + # Consumer <= size of store.

- Some sort of signalling mechanism to signal consumery producess.

produce = 5 V

producer:

producer --/ consumer --/

produce the item.

consume the item;

whomea ++/

produce ++/

Semaphora : • Mutex + Lount

• Signalling

• It alwas multiple torreals in

one CS.

Semaphores:					
	initial				
Semaphore 2 = new [	emaphore () count.				
z. acquire C)	7. release				
if (x.curr_var70)}	2. cur-val++,				
2. curr_ral;					
proceed to bask					
} else {					
wait C);					
3					
Semaphore prod Sema	: new Semaphore (5)				
Semaphore (ons Sema : new Semaphore (O);					
Semaphore (Uris sema	· Has somephore(0)				
prodSema. acquire ();	consSum. acquire ();				
producing the item;	consume item,				
Item;					
wnssena. release ();	prod5 em a. red easel).				
LAIL					
00000 Atomic Integer					
Mirga					
CAS					



