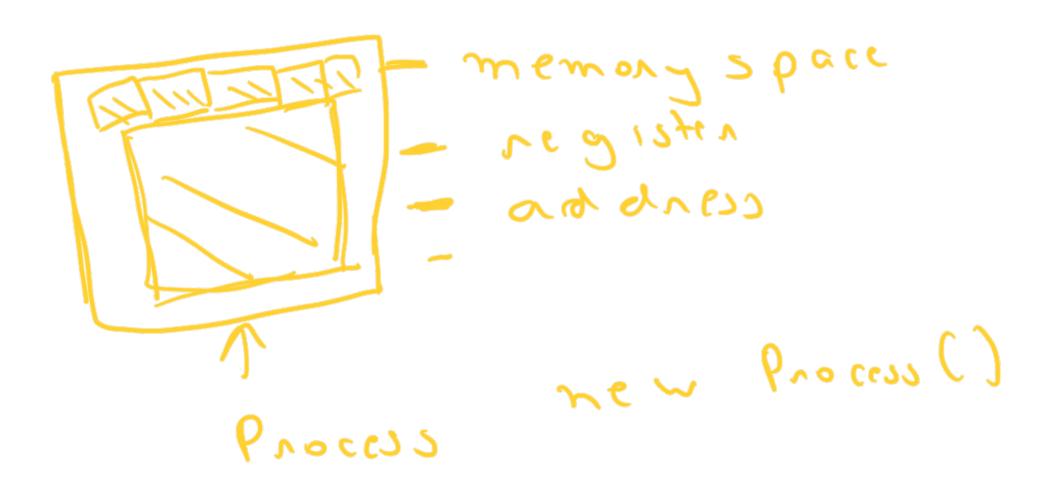
LLD-Concurrency with BMS

- (1) Booking Flow For BMS
- 2 Concurrency
- (3) Race conditions
- (4) Types of RC
 - Synchhonisation

Process & Thread



- heavy weight

switching between processes

is not

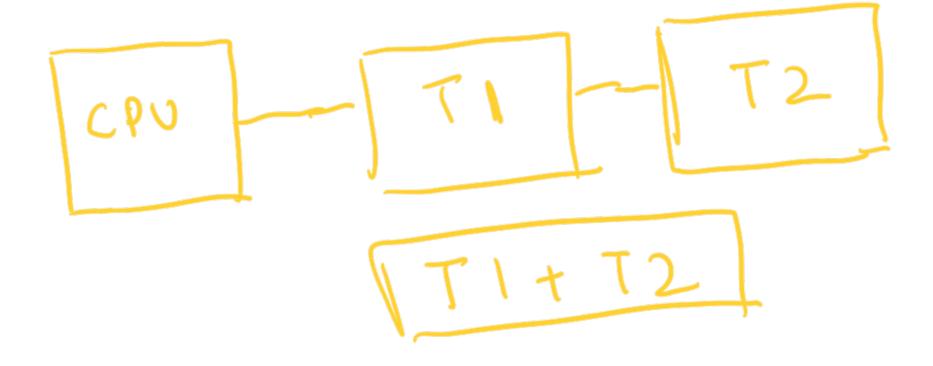
Threads



lighturight process - context suitching

TI T2

Se y centiol

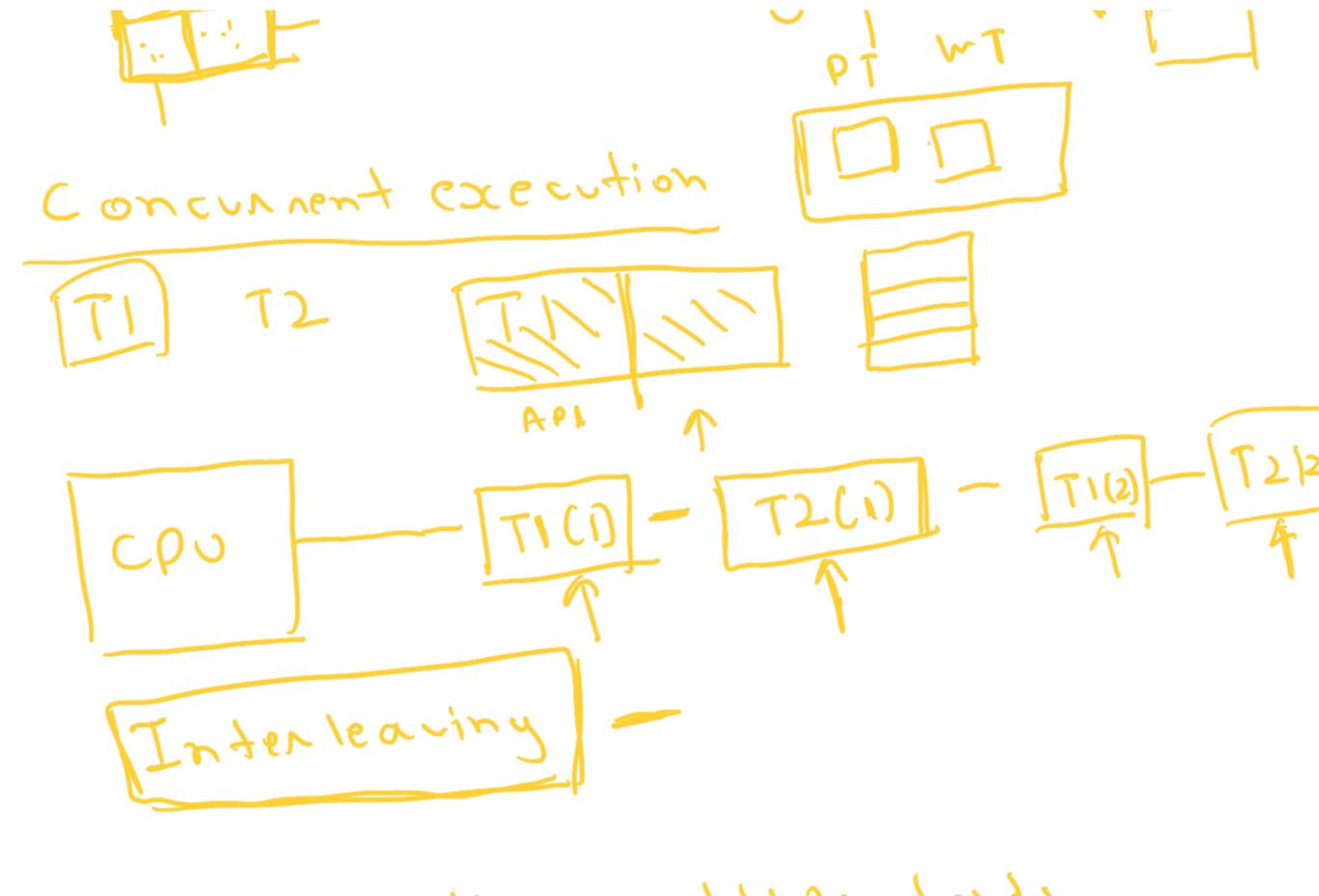


Panallel CAUI

max (71, 72)

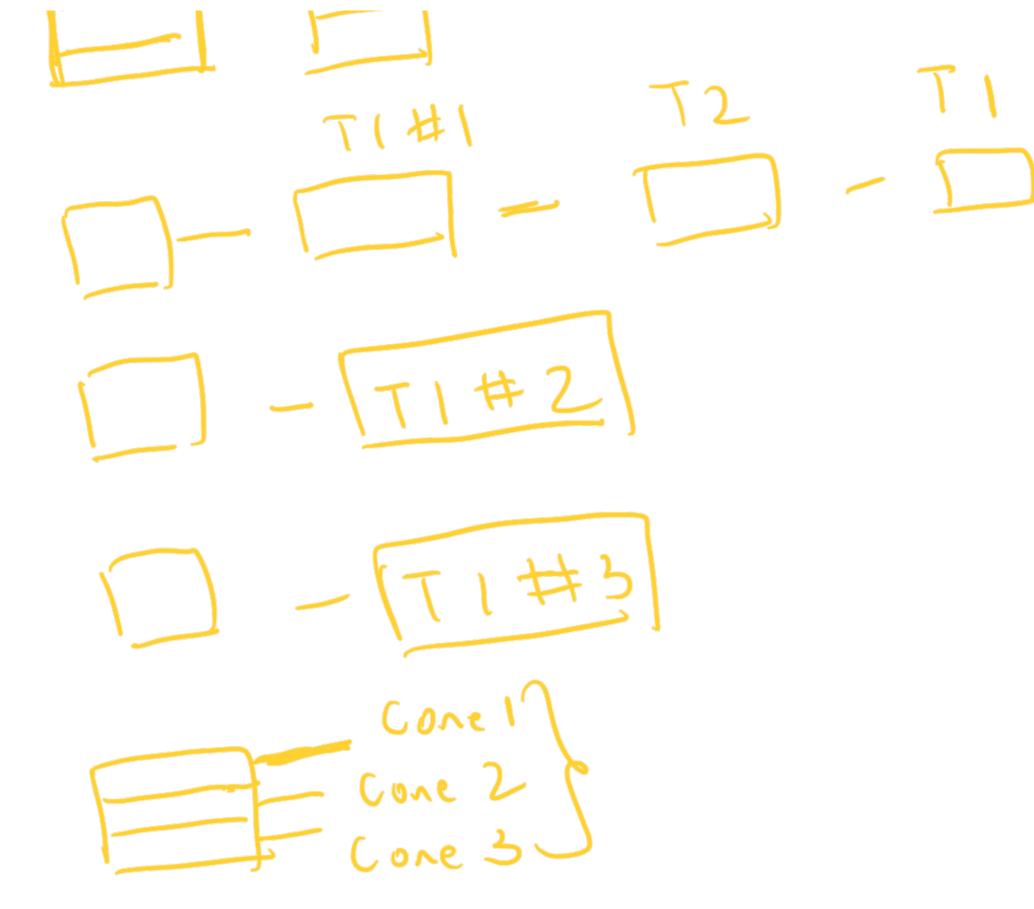
, Panallel # # no of cones 村nocpus

Cou - single cone dual cue



CPU handle multiple tosds

Fires bar, 200 in the same con cur rent parellel execution Parollel execution vs[Parollelisma]



BIt coin wining 9 et Users (1 - 100) g et (Usens) q et (1-10) get (10-20)

A 1 . A

JAVA memors mode Thread Stock T2 Heap Share d Race con ditions m emon

4 1004



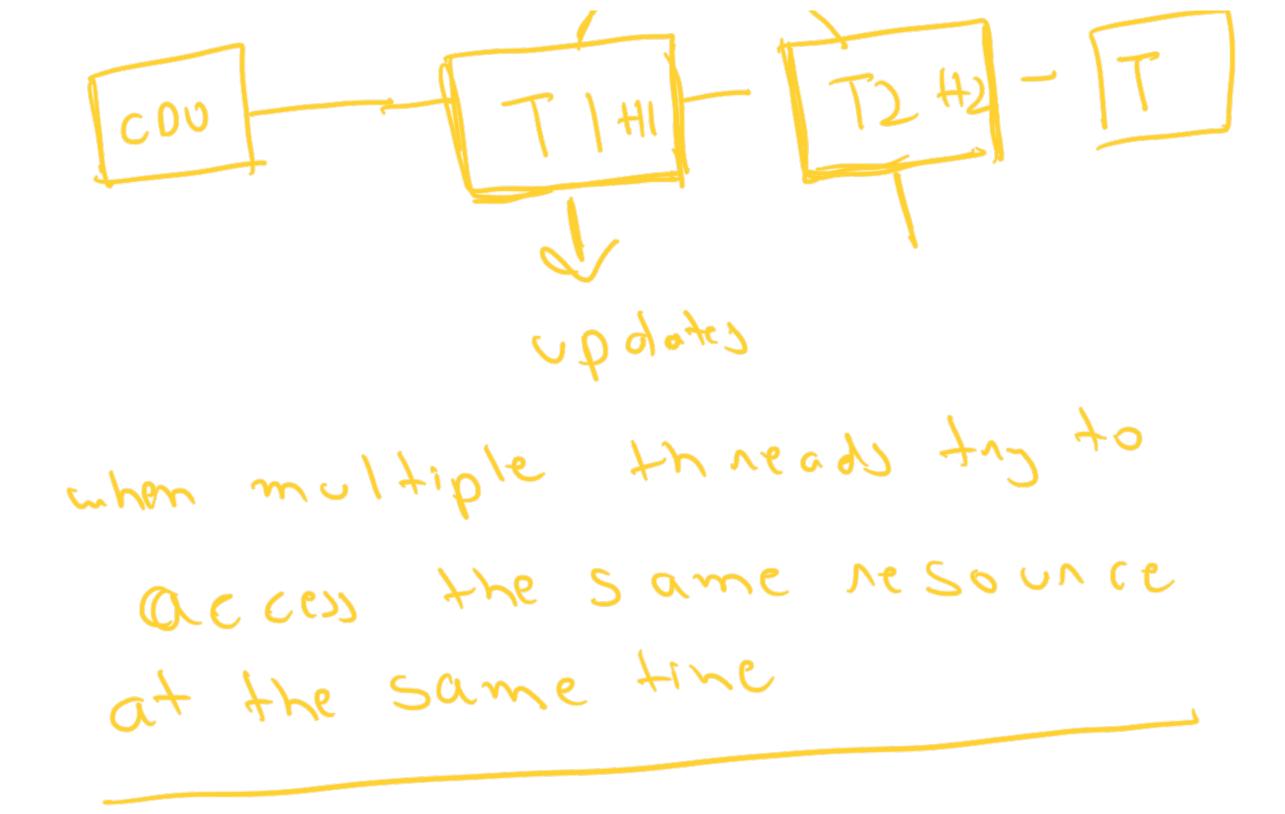
To allow only person to

a cass booking the ticket

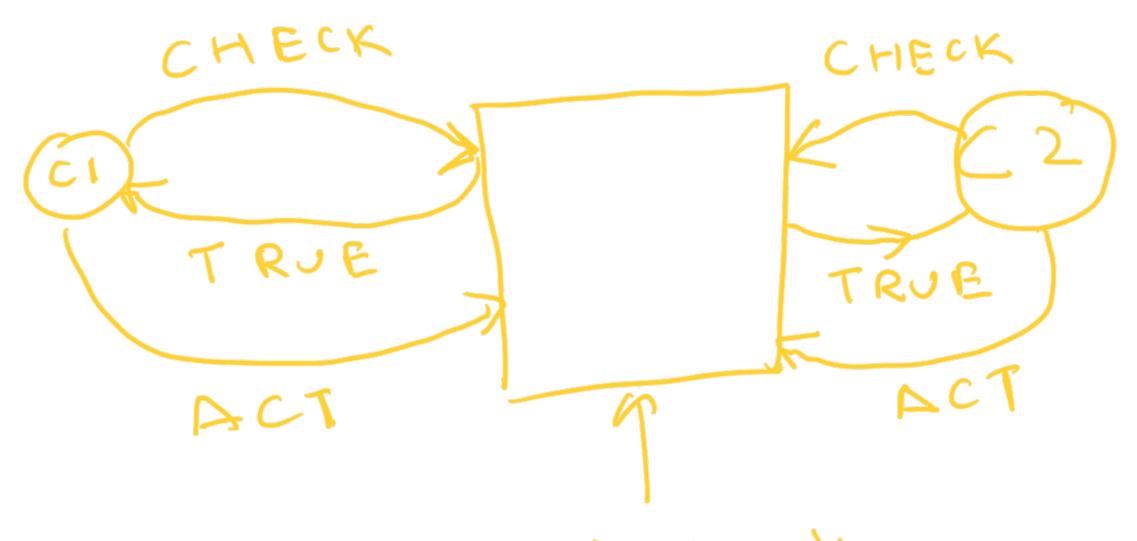
at the same time

[Synchnonisation]

Object



Types of race conditions



Crifice/ 25 cylon

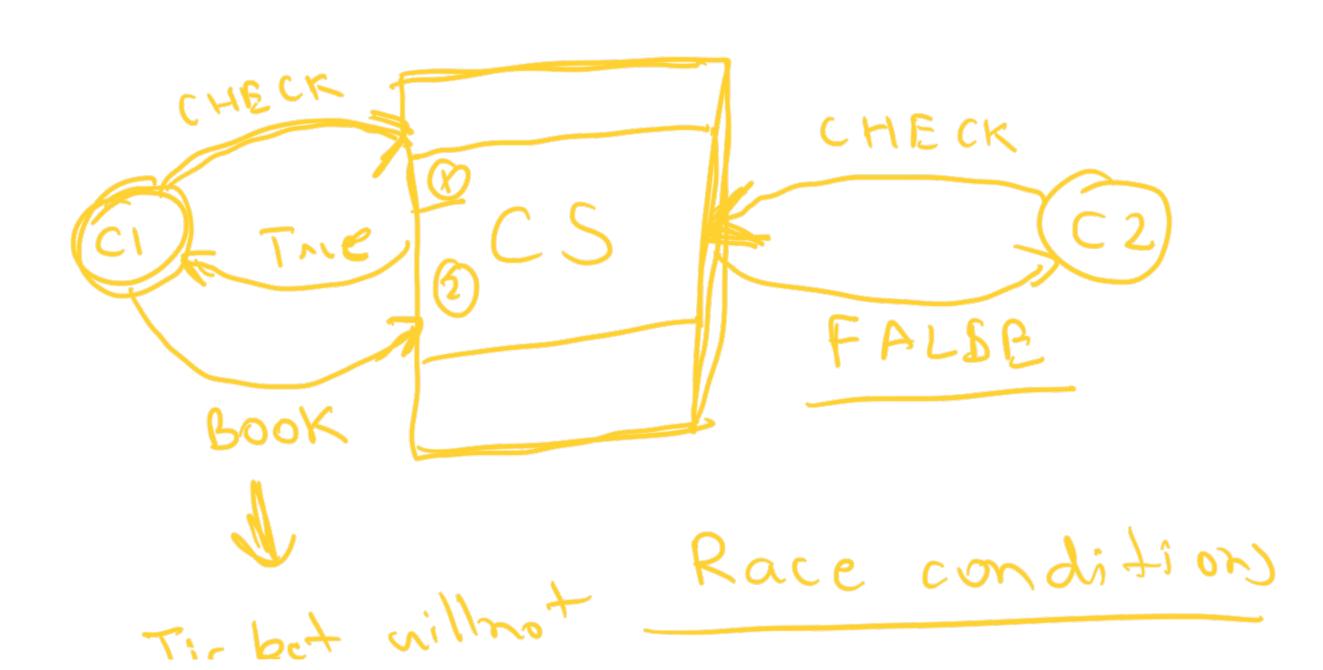
CHECK - THEN - ACT

260/ Roll 2 2 2011

CHECK CHECK ۵ == ۱: remore a Race condition L> Bocpectation Only one thread should pe able to opdete

bluado chauld

De 40/9 thève is an ervor

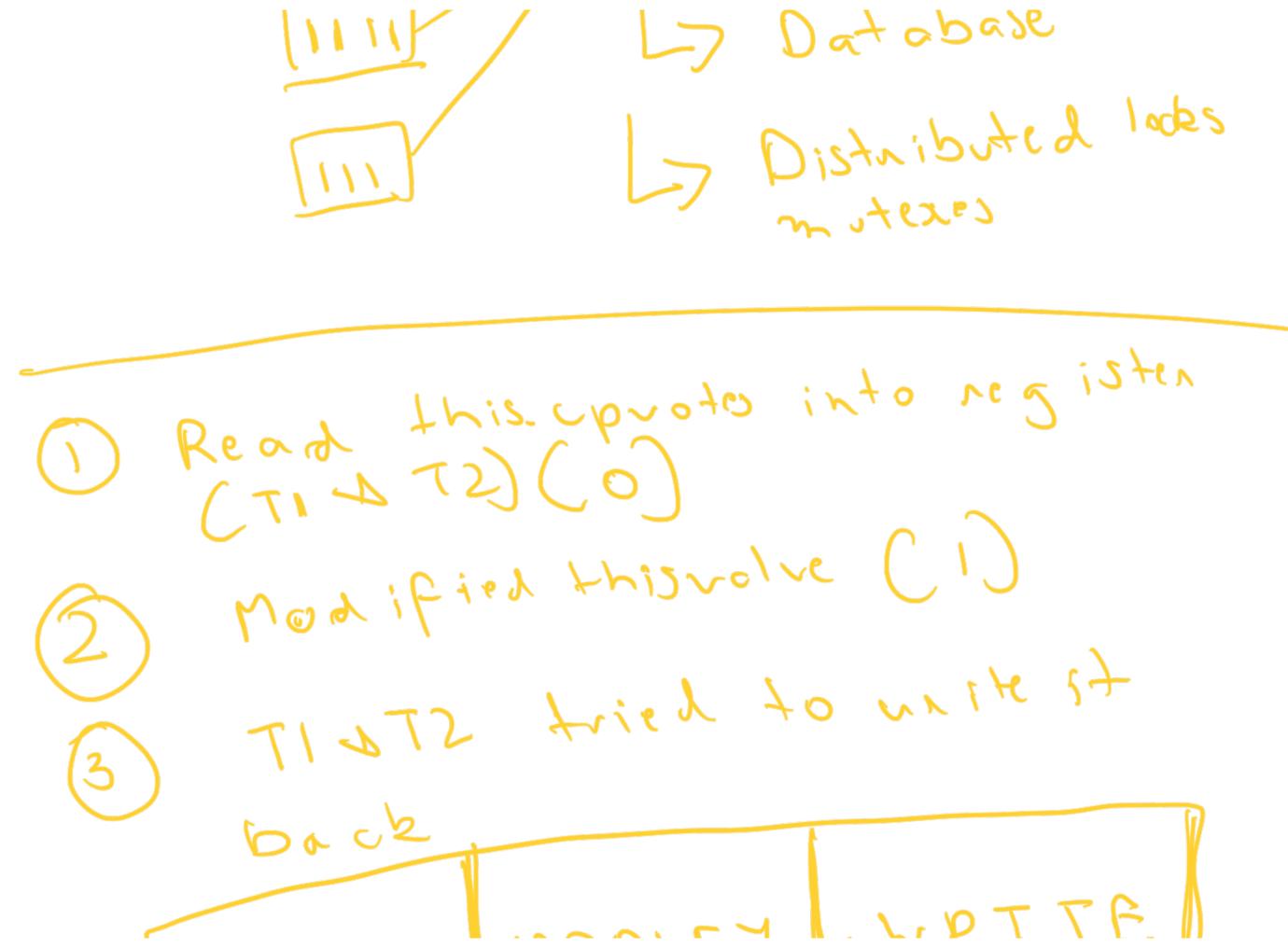


pe oreilable

The process of allowing only one thread to access ancsource at a time synchronisation

Per formonce

dis tributed



READ-MODIFIE 2 c: 23 [c:3] Rennelve - repre 41 mop ["c"] = new-volue Hou can ne solve this?

Race Condition

~ Lim

Synchron Dation

CS-atomic instruction

- only one forceast

at atime