Dead Locks

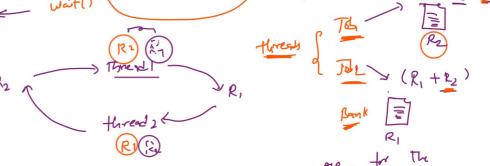
def: Infinite wait condition & reformed as dead-lock

- if deadlock occurs in an application, Then the only Solution is "terminate The application"
 - during the design of application, I we should eve that dead-lock condition will never occur.
 - the main reason for deadlock is if cyclic depondency entit you The threads (i.e one thread depends on the auditus (thread)
 - during the design of application, we should see that the thread are not dependent on cyclic manners [avoid deed-lock]

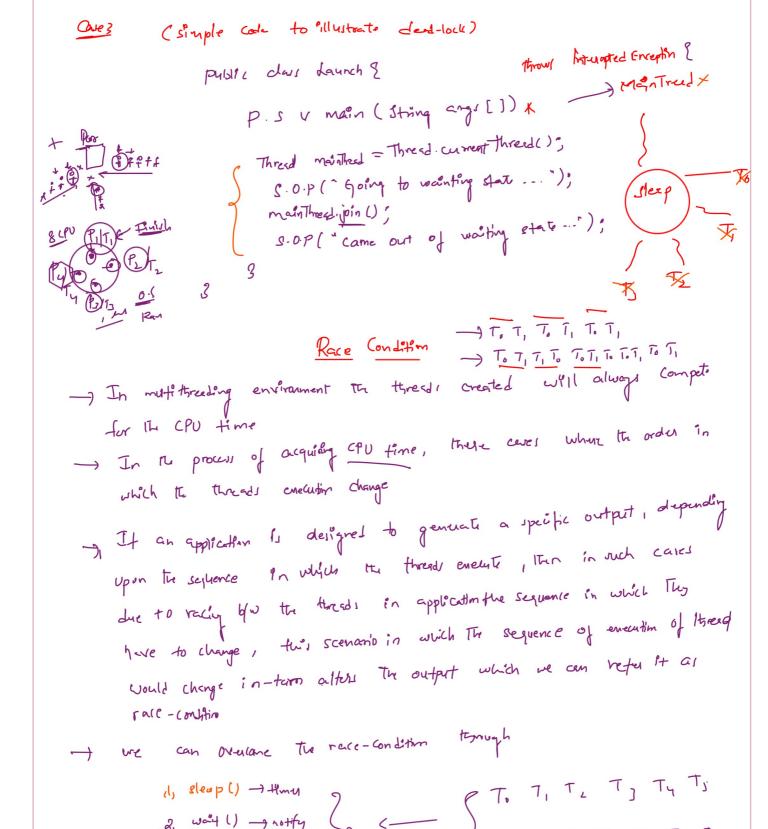
change Call & product - consumer

- In case of Pc problem, if we remove to notify!) call, to topeods ward go to weiting state of no one will there to notity back. which will ToT, - parallel eventually end-up in deadlock et() - oled-lock

Case L



- -> thread 1 which is holding resource R2 } woulding resource RI
- Thread Is holding resource RI & waiting for the Resource R2
- -) 130th to thread would release the resources, only when There task is completed, since all the necessary resource can not available tor the talk to be completed
- Both The thread would want for infinite time which result in



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