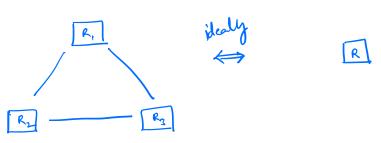
Welcome to CACI 7000-001 Leag (Feb 11)

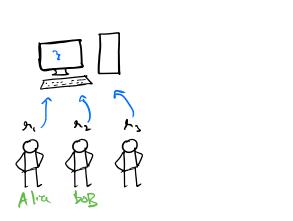
State Replication

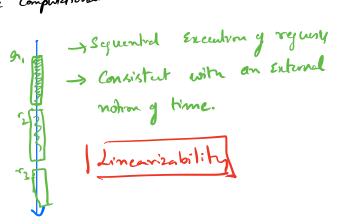
- -> Applications often replicate state across distributed machines
- -> Each machine is said to be a replica of the 18the
- -> Goods of replication: * how laterney acres to data

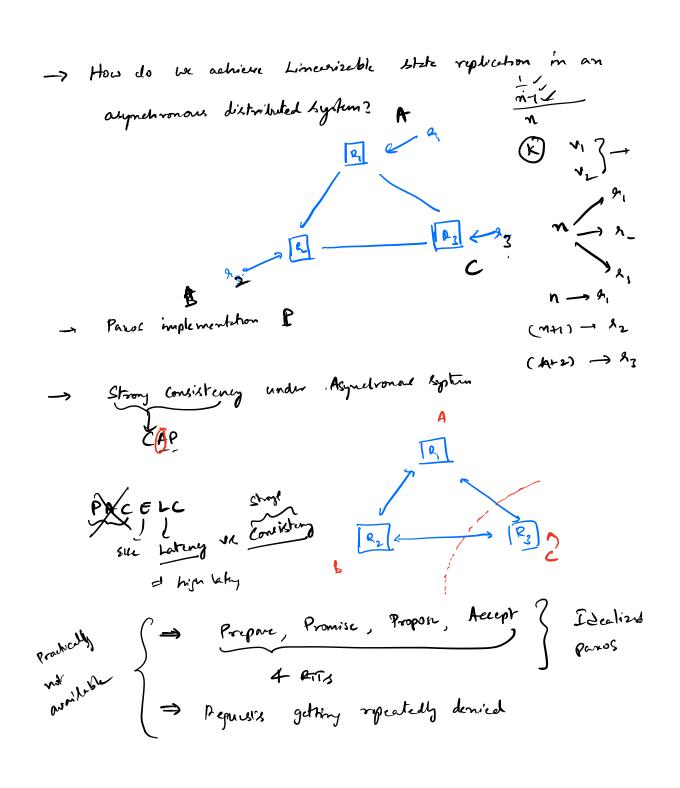
 * Resilience (data loss presention)
- -> A non-goal of replication: Introduce new behaviorest into the application
- -> Ideally, we want a distributed system to behave as if it is a Single Computational unit.

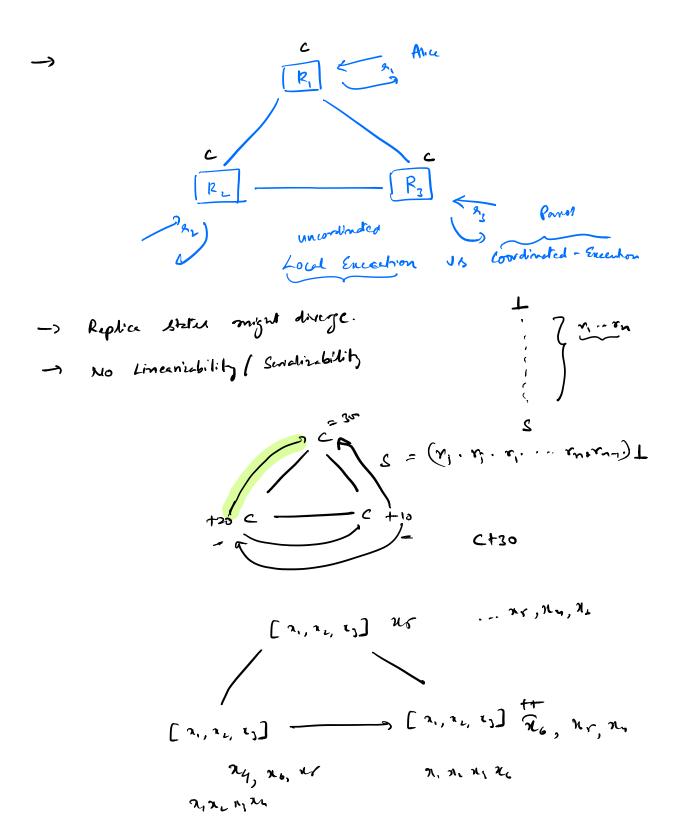


-> Execution history of a lingle computational mode is Linearizable.









CROTS 2011

Congret - tree Replicated Data Types

Commutative

Commuta

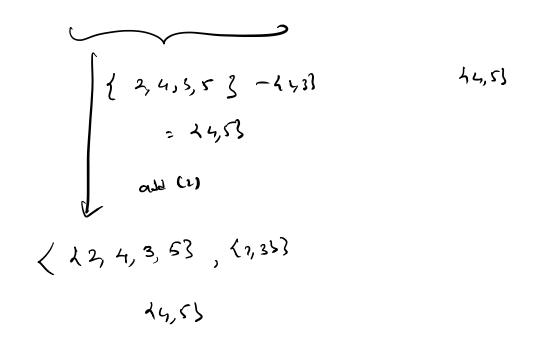
-> Set data type.

add (2) - remove (2) = &

A - removed obs

([])

tombs borry



-> Mon-monstoric compilation

CRDTS + CALM

Consistency as Logical Mondonicity

Application working Correctly under beek Consisting