-> Paros, is the algorithm that is used to acheive consensus among a distributed set q computers that communicate voa on asynchronous network.

6 One (08) movre clients proposes a value to Parce and we have concensus when a majority of system running Paros agrus on one q the proposed rate.

4) Paros is widely used and is legenday in compute. Durence sence it is the first consensus algorithme. that has been suggestionsly proved to be correct

5 Paros semply selecti a single value from one (00) more values that are proposed to it and lets everyone know what the value 93,

4 A run q the Paros protocol oresults en the selecteon & single proposed value.

4 P8 you need to use porros to viente a suplication log, then you need to own paros superteelly. Thus 83 called nulle-Paros,

9 Paros provide aboutable consensus, This means that some procuses about the consensus if there is contention whele other devide on the

4 Those processes that declde have to agree on the sunce value. Abortenz allous a process to ternelnate statter than be blocked Endefinetly,

Alsumptions des the algorithm

4 concurrent proposal

4 raledity

4 Majorthy sule

is Asynchionous nivo

4 Fail - Stop fault

4 Unicasts 6 Announcements

1 1 20 200 pr sell delay and RAFT ALUDRITHIN

by this is designed to be easy to understand. 5 It is equivalent to Papas en fauet-tollience nance. and personnance.

is Ross statu that each node Pn a supleate state mailiene

can stay in any of the 3 states, namely,

4 deadle

5 candidate

5 Hollower

one q the states

5 Only a hadu can Enteract with the chient, any request to the Sollower node is redirected to the leader mode.

4 de de de la de l

50 maîntain server status, the raft algorithme devides time ento small terms of autitouy length. Each devides time ento small terms of autitouy length. Each term 15 folm his red by a monotonically encuasing number, called form number.