Learn the value chosen then a process can eventually
chosen and if a value has been
some proposed value is eventually
has been chosen unless it actually
processes never learn that a value
Only a single value is chosen
proposed has been chosen
only the value (action) that has been
consensus problem: (Ag & Ag)

Order.
Some order - they should agree on this.

All else and should reach action in
11:12
It's action consensus. I'm not interested in an abstract process.

- It is a free phrase process

1. Proposers
2. Acceptors
3. Learners

Use this logical framework:

- But they can not coexist.
- Delivery can be delayed, but can be lost.
- Messages can take a long time to be delivered.

- Feel like shopping, and may respond.
- Agreement operates at arbitrary speeds, may synchronize. Non-blocking mode.

Proxos: Fault-tolerant consensus protocol.
(c) A proposer selects a proposed number \( n \) and
sends a prepare request with number \( n \) and
(action number) greater than proposed (if any) that it has accepted.

If a majority of acceptors receive a prepare request with number \( n \),
the acceptor replies with a promise number \( n \) and
any message numbered less than
prepare request.

If a majority of acceptors replies with a promise number \( n \),
the acceptor replies with
the highest numbered proposed (if any)
and
any message numbered less than
prepare request.
6) If an acceptor receives an acceptable request on an unnumbered proposal, it replies with any value if the response is requested and with a number if the response is not requested. It is the value of the highest unnumbered proposal among the responses, if any, whose number is less than or equal to the number in the request. The acceptor replies to each of those acceptors. If the majority of acceptors respond, then it sends a phase II proposal request (numbered n) from which the proposal is initiated.
Once successful, command 13e, 13f, 13g, 13h, 13i, 13j, 13k, 13l, 13m, 13n, 13o, and 13p.

To proceed 13e, 13f, but not 13c, 13d, 13e, 13f, 13g, 13h, 13i, 13j, 13k, 13l, 13m, 13n, 13o, 13p.

End execute all commands. Null 13s.

I + 70 ahead on chosen command 13r.

The value 0 13s, and 140.

2. If execute phase T for 13r-13s, and 140 onwards.

Rule: 13i, 13j, 13k, 13l, 13m, 13n, 13o, 13p.

Acknowledged. 1-184, 13e, 13f, 13g, 13h, 13i, 13j, 13k, 13l, 13m, 13n, 13o, 13p.

Command to know about sequence of commands.

Assume role of learner. Model leader (mentor) -> then I as teacher normally.

Stage W/L implementation (example: execution).

7.2.6
But this scheme works even if there are multiple leaders at the same time, not violating the safety property. Paxos made Simple by Leslie Lamport. We need to guarantee that all replicas are identical. We need to ensure progress. Paxos made Simple by Leslie Lamport. The replicated state model is identical. Data replicas can drift apart due to disk decay. Reconciliation should be implemented.
- Continue disposing of the laundry.


Paxos Mal Live - An Engineering Perspective

- No fault tolerance

at all times. (Same s/s bug)

- Or some people can fail

fail because of human

each is a different thing. They may...
A GFS client can connect to GFS through a chunk server.

Multiple GFS clients can access a single GFS cluster, consisting of a single master and multiple chunk servers.