Replication Consistency

- Two ways to forward updates from front-ends (FEs) to replica group
  - Passive Replication: uses a primary replica (master)
  - Active Replication: treats all replicas identically
- Both approaches use the concept of "Replicated State Machines"
  - Each replica's code runs the same state machine
  - *Multiple copies of the same State Machine begun in the Start state, and receiving the same Inputs in the same order will arrive at the same State having generated the same Outputs.* [Schneider 1990]