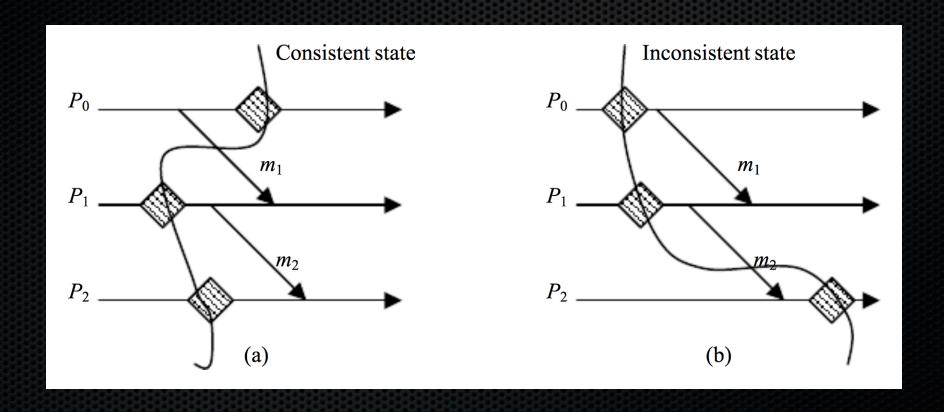
CSE 552 Global snapshots

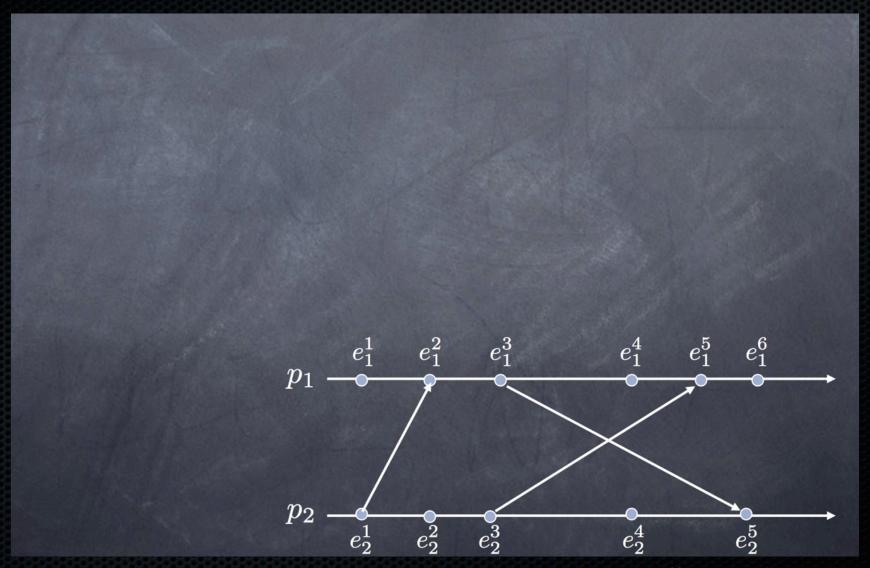
Steve Gribble

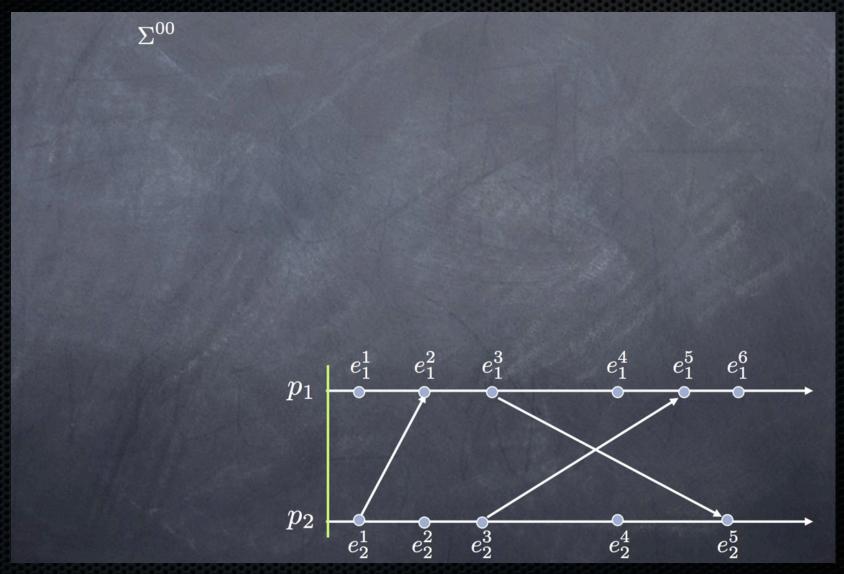
Department of Computer Science & Engineering University of Washington

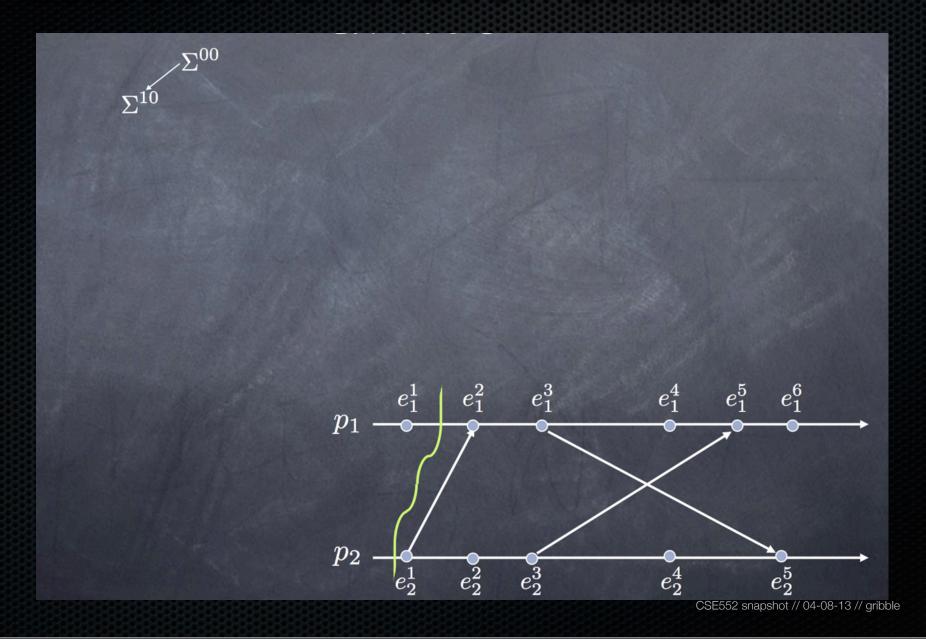


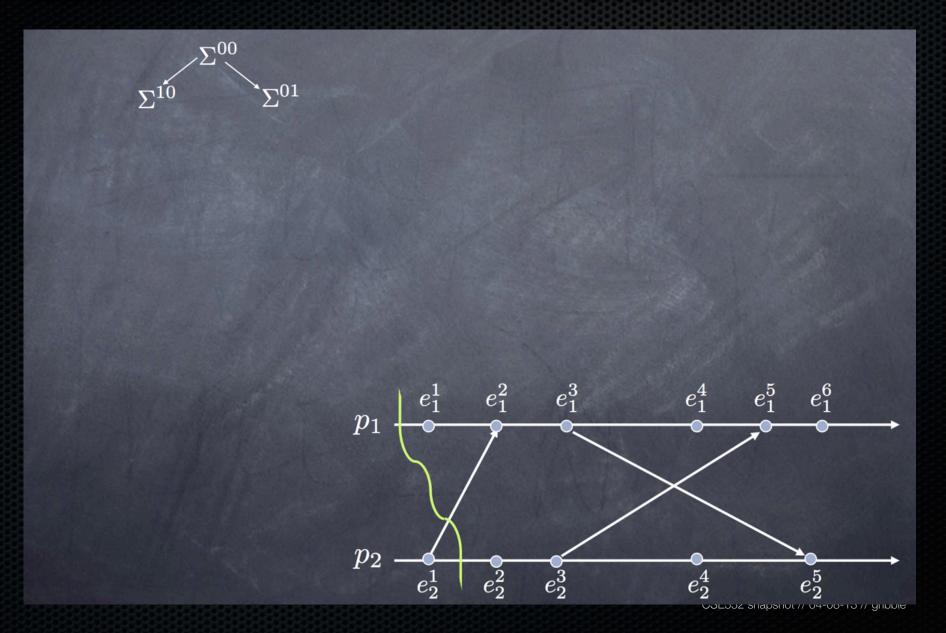
Consistent vs. inconsistent

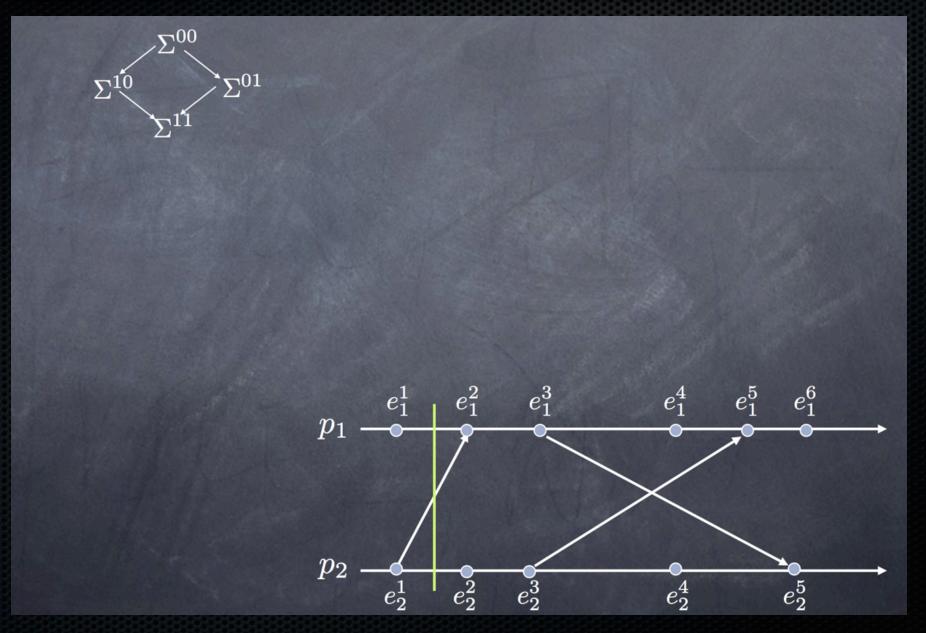


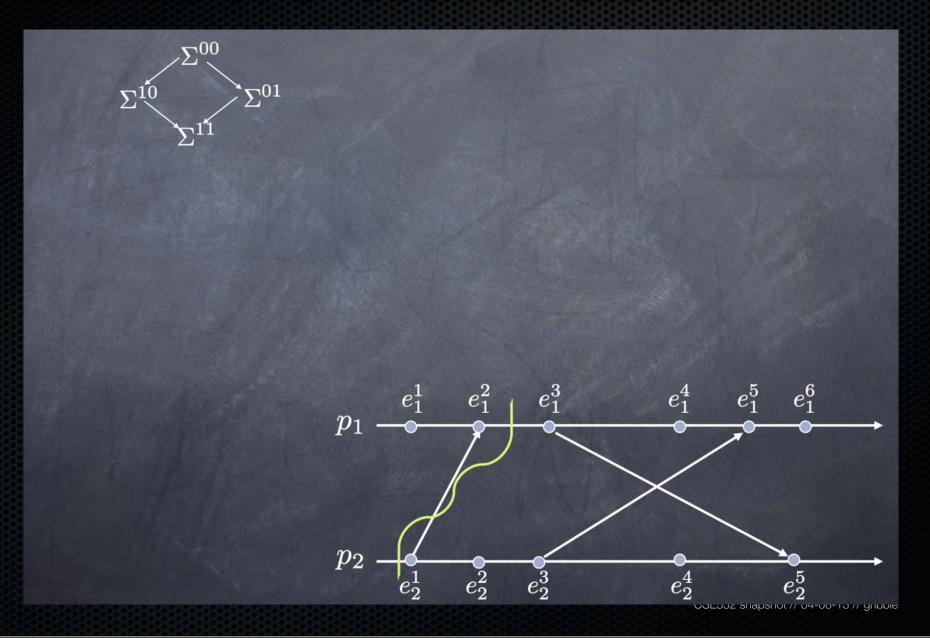


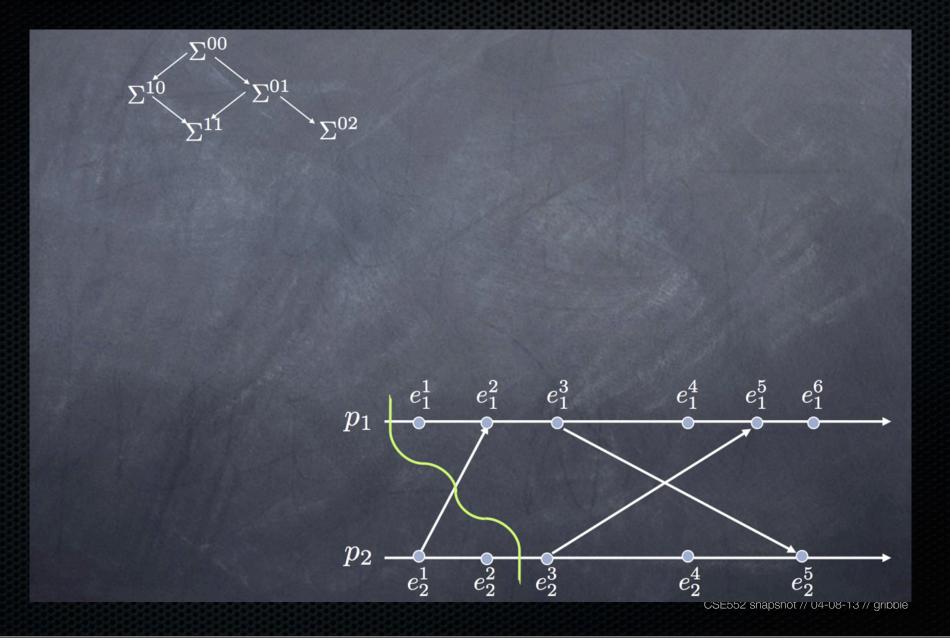


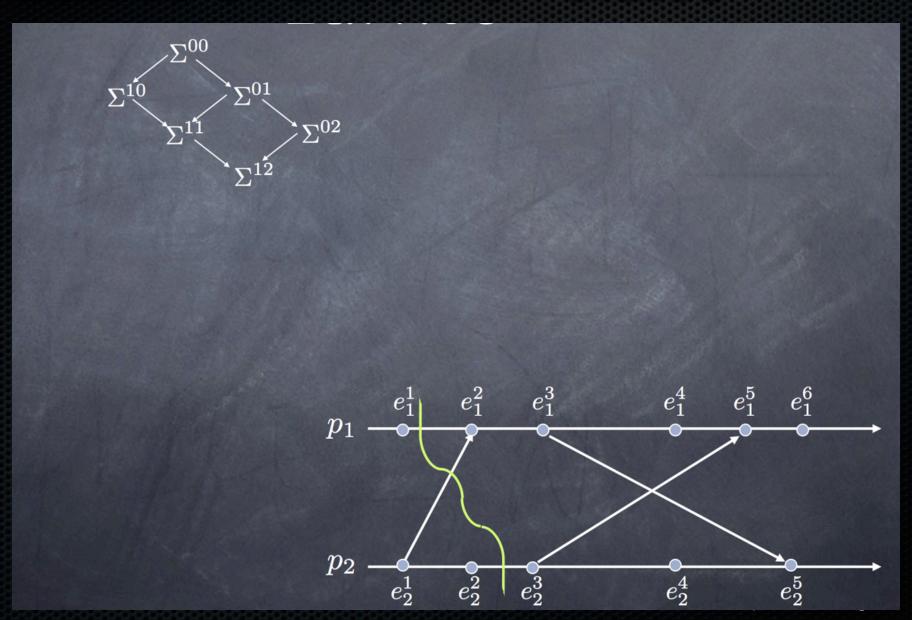


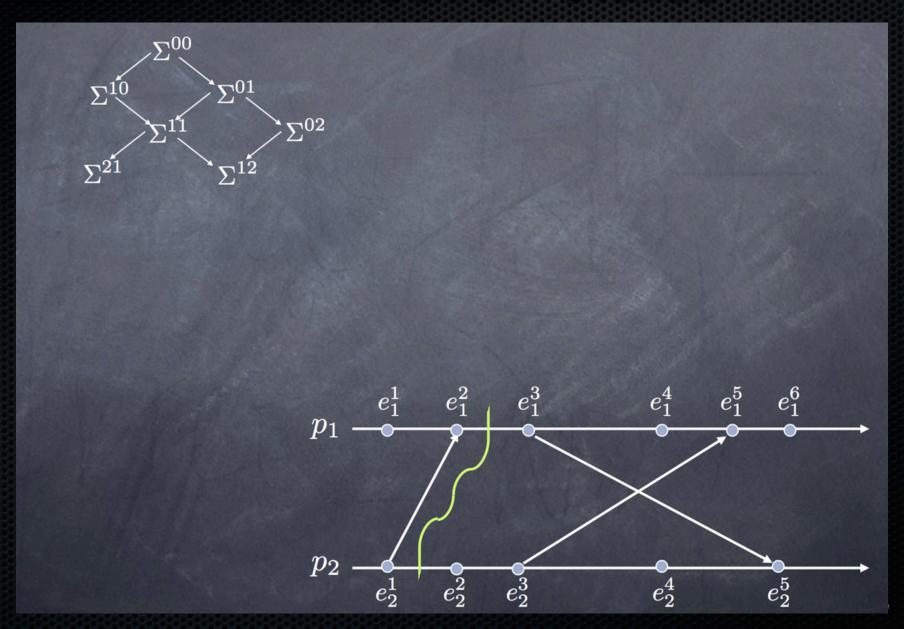


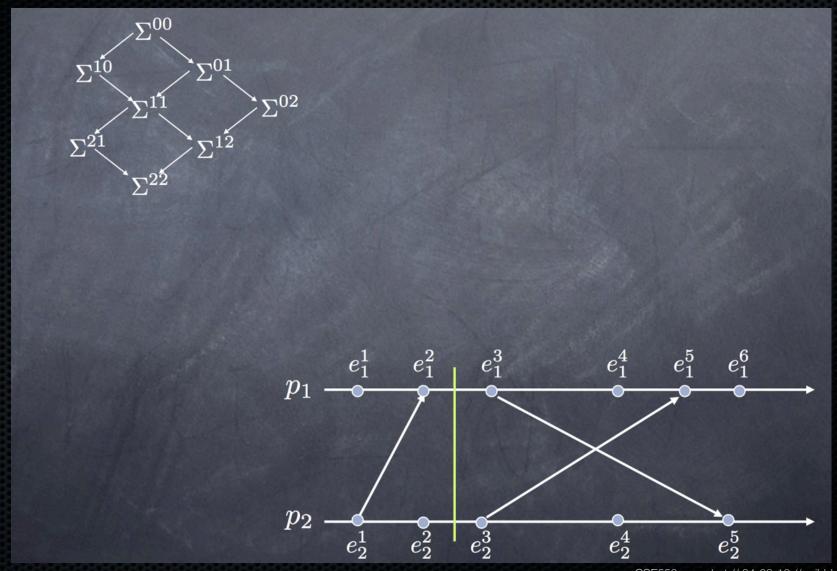


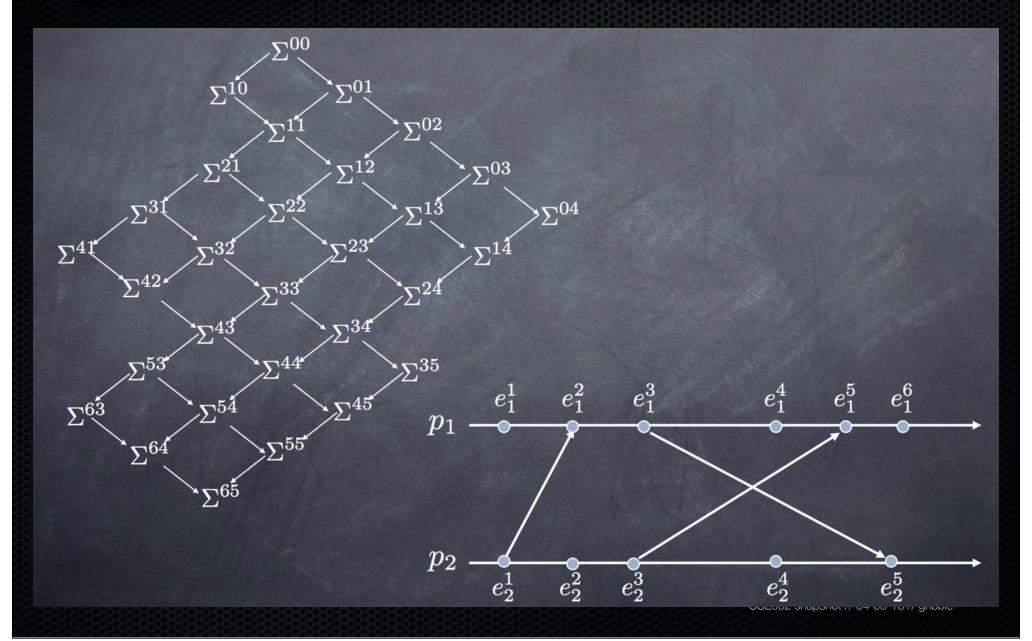




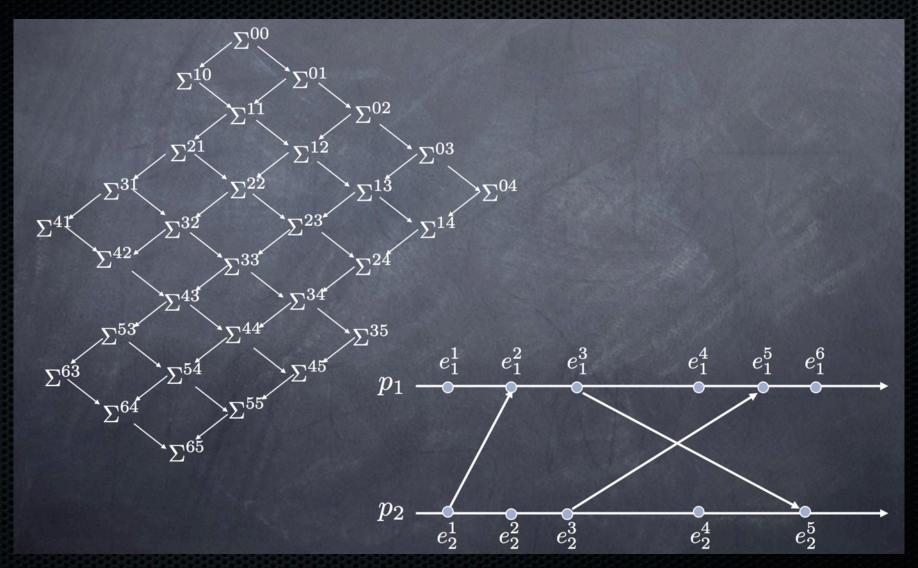








Reachability



Stability

Deadlock is a stable property

- deadlock now means deadlock in future

If a run R of the snapshot protocol starts in Σ i and terminates in Σ f, then

- Σ i leads to Σ s leads to Σ f
- deadlock in Σ s means deadlock in Σ f
- no deadlock in Σ s means no deadlock in Σ i