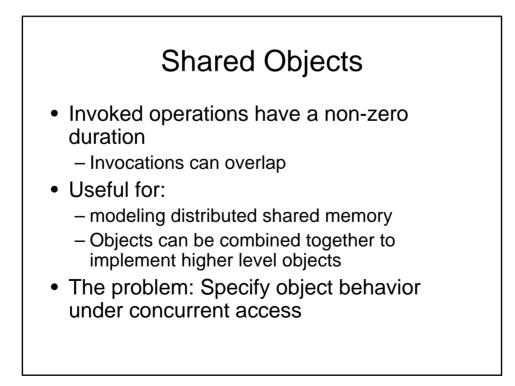
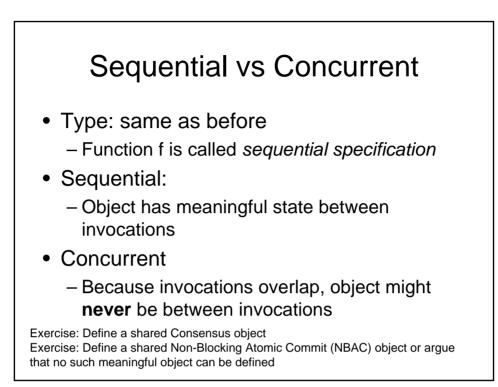
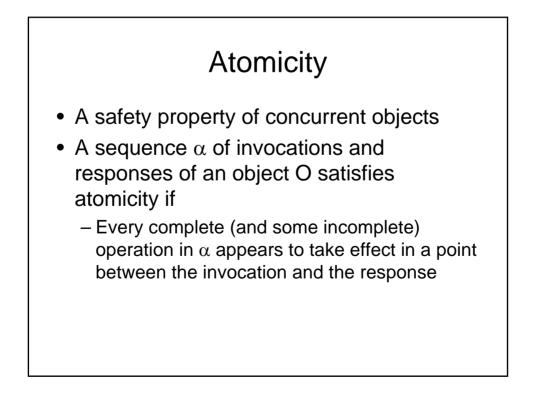
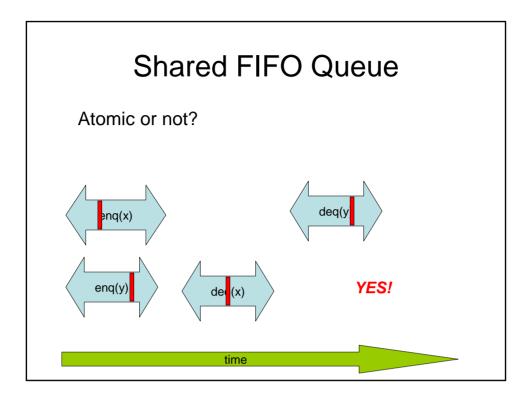
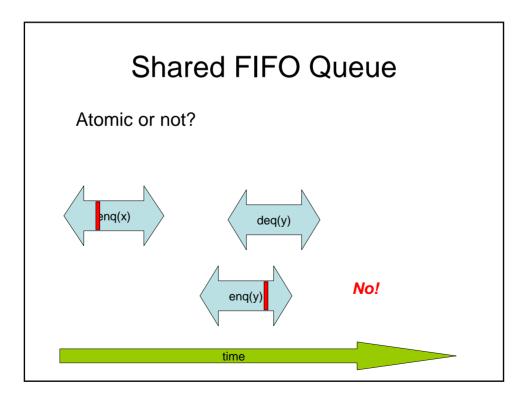
Shared Objects

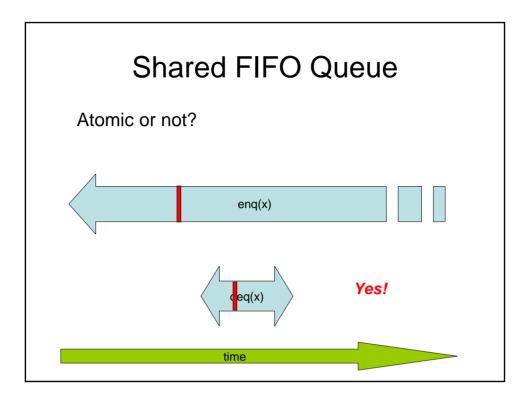


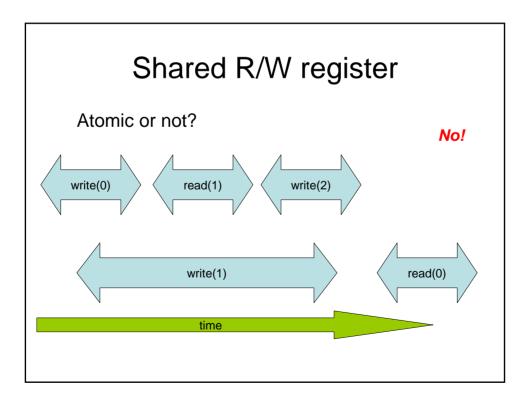


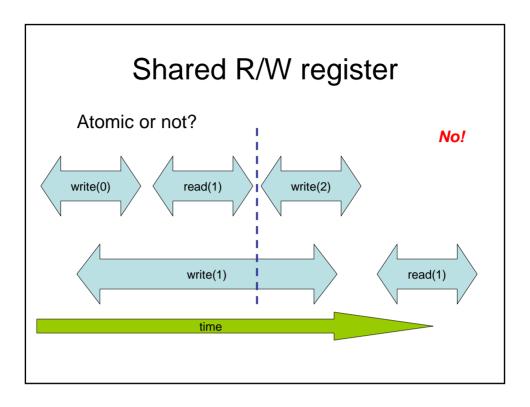


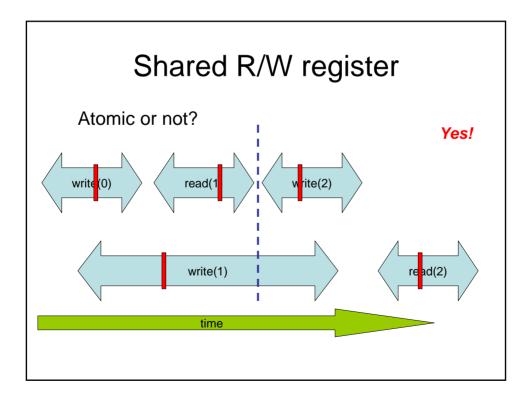








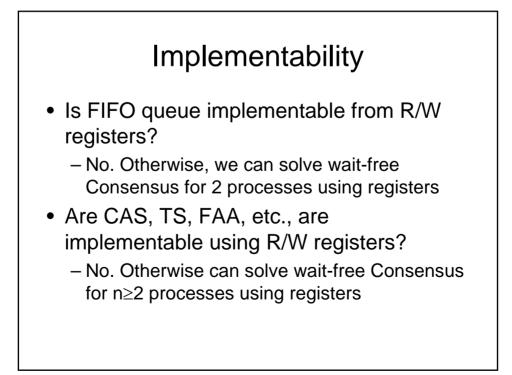


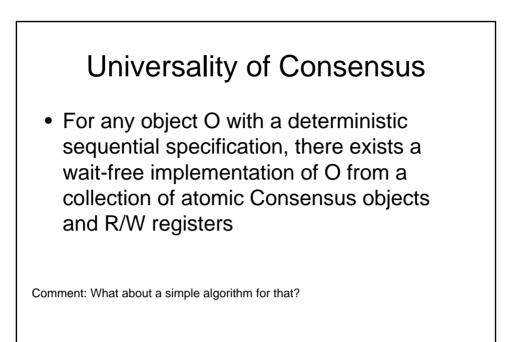


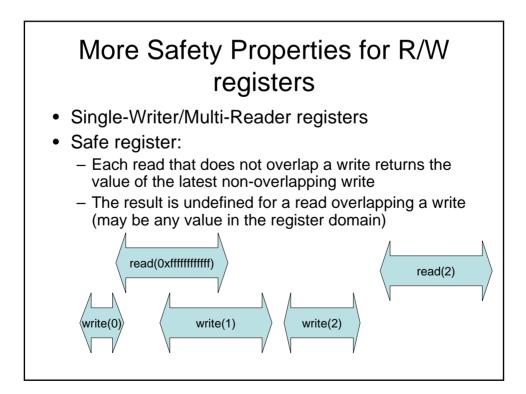
Power of Atomic Objects

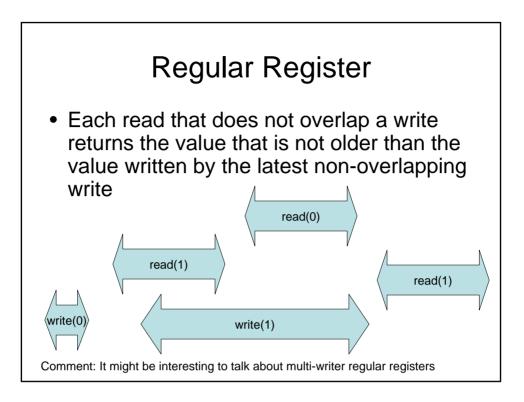
- Consensus # of atomic registers is 1

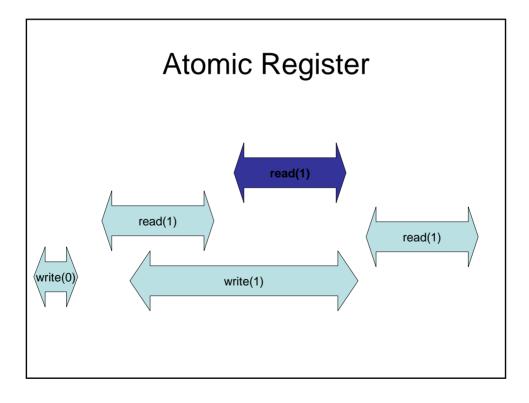
 Weaker than atomic variables
- Consensus # of FIFO Queue is 2
 - Stack, Set, priority queue, double-ended queue

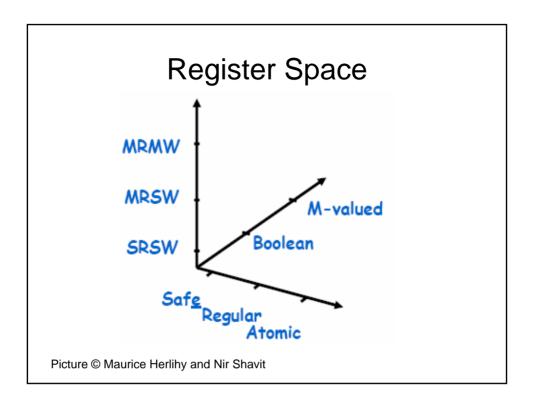


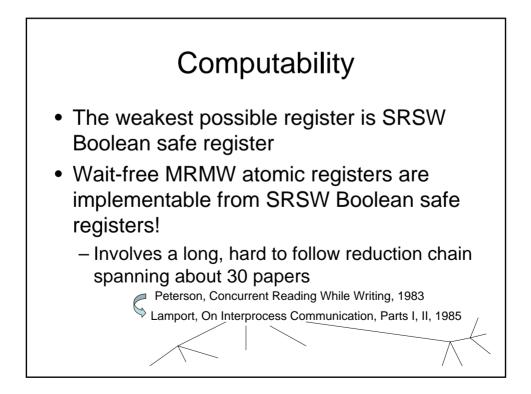


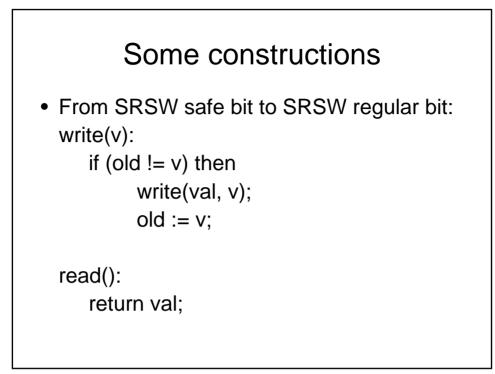


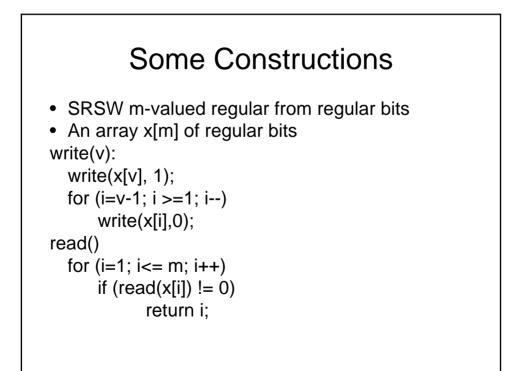












Constructions Summary

- It is possible to construct SRSW m-valued regular register from SRSW Boolean safe registers
 - etc...
- The second construction requires Θ(m) space
- There are many Θ(log(m)) constructions

