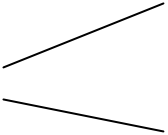


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6.033 Computer System Engineering
Spring 2009

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Atomic Action  Recoverable
Isolated

Multi site Atomicity

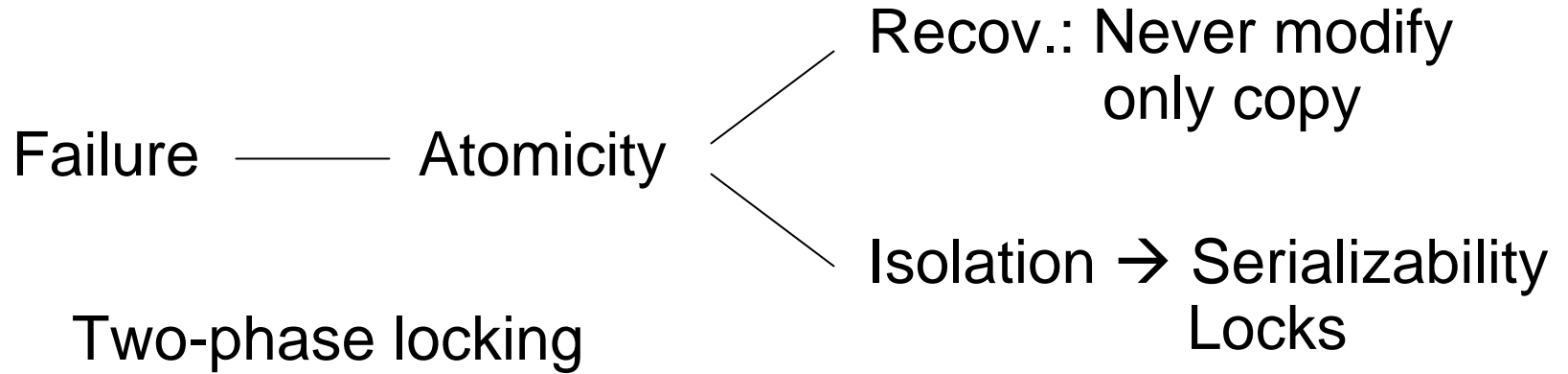
Travel
Site

JetBlue

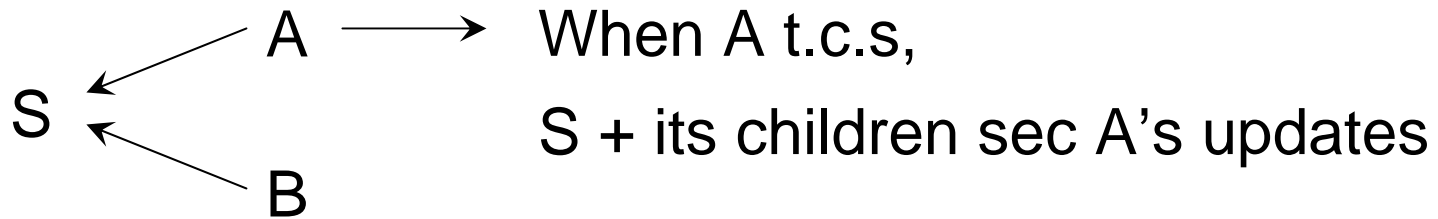
USAir

⋮

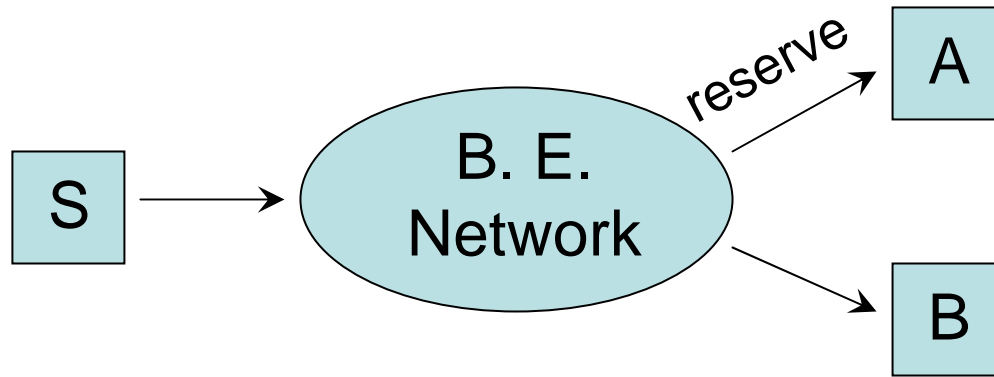
Nested Atomic Actions



What if A, B conflict?

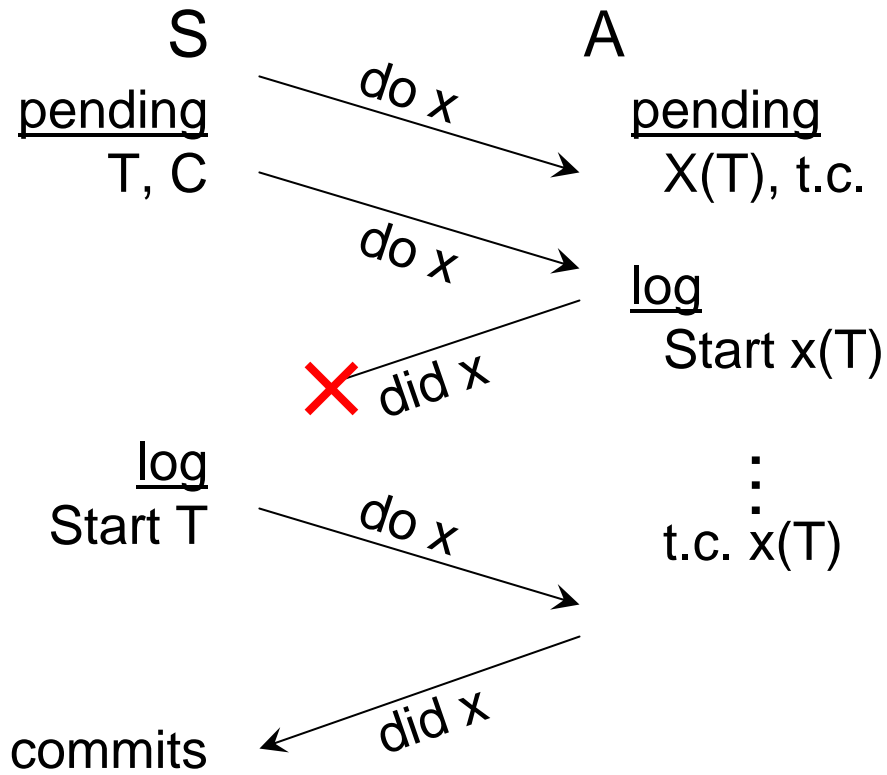


Multi Case

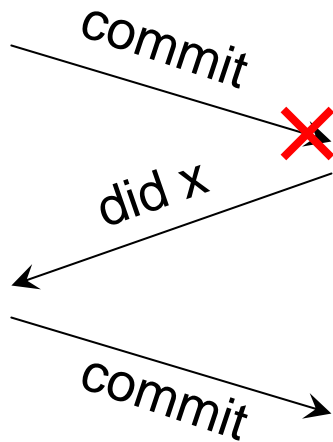


RPCs

Two-phase commit



Phase 2



S crashes

before C

UNDO T, remembers T aborted
after C

REDO T, remembers T committed

A crashes

before T.C.

after T.C. → up to S

Unfinished!!

Do A, B make results visible at the same time?

No.

2 generals problem