Lecture 4 Outline

Reading: *text*, §3.2-3.3

1. Conspiracy
    a. Access set
    b. Deletion set
    c. Conspiracy graph
    d. I, T sets
    e. Theorem: *can·share*(r, **x**, **y**, G_0) iff there is a path from some $h(\mathbf{p}) \in I(\mathbf{x})$ to some $h(\mathbf{q}) \in T(\mathbf{y})$
2. *de facto* rules
    a. pass, post, spy, find
    b. *can·know*(**x**, **y**, G_0)
    c. *rw*-terminal, *rw*-initial spans
    d. Connections
    e. Necessary and sufficient conditions for *can·know*(**x**, **y**, G_0) to hold
3. Schematic Protection Model
    a. Protection type, ticket, function, link predicate, filter function
    b. Take-Grant as an instance of SPM
    c. Create rules and attenuation
4. Safety analysis
    a. Definitions
    b. *path^h* predicate, capacity flow function
    c. Capacity
    d. Maximal state