January 17, 2023 Outline

Reading: text, §3.4–3.6

Assignments: Homework #1, due January 24
              Project Selection, due January 26

1. 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
   (d) Definitions
   (e) $path^h$ predicate
   (f) Capacity flow function
   (g) Maximal state: definition, existence, derivability

2. Acyclic attenuating schemes and decidability

3. Expressive power
   (a) SPM and HRU

4. Typed access control model (TAM)