

March 2, 2023 Outline

Reading: *text*, §17.2, 18.1

Assignments: Homework #4, due March 14

1. Non-lattice policies
 - (a) Transitivity
 - (b) Information flow policy
 - (c) Confinement flow model
2. Transitive non-lattice policies
 - (a) Quasi-ordered sets
3. Basic policy composition
4. Non-transitive policies
 - (a) Dual mappings
 - (b) Theorem: a dual mapping from a reflexive information flow policy into an ordered set is order-preserving
5. Confinement problem
 - (a) What it is
 - (b) Covert channels
 - (c) Rule of transitive confinement
 - (d) Difficulty of preventing leaking