

February 26, 2021 Outline

Reading: *text*, §17.2–17.3.2

Assignments: Homework #4, due March 5

Module 44

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

Module 45

5. Compiler-based flow mechanisms
 - (a) Scalar declarations
 - (b) Array declarations
 - (c) Assignment statements
 - (d) Compound statements
 - (e) Conditional statements
 - (f) Iterative statements
 - (g) Goto statements