

May 10, 2017 Outline

Reading: *Chapters from revised text*, §17, C; [B+07]

Due: Project Progress Report, May 12
Homework #3, May 19

1. Entropy
2. Entropy-based analysis
 - a. Flow of information from x to y
 - b. Implicit flow of information
3. Non-lattice policies
 - a. Transitivity
 - b. Information flow policy
 - c. Confinement flow model
4. Transitive non-lattice policies
 - a. Quasi-ordered sets
5. Non-transitive policies
 - a. Dual mappings
 - b. Theorem: a dual mapping from a reflexive information flow policy into an ordered set is order-preserving
6. Compiler-based flow mechanisms
 - a. Scalar declarations