

ALLOY REVIEW

CURT CLIFTON

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

EXAM

- THURSDAY, IN CLASS
- OPEN BOOK, OPEN NOTES
- MAY USE LAPTOP:
 - BUT BUDGET TIME CAREFULLY!
 - ONLY LOCAL HD OR DIRECT LINKS FROM ANGEL OR COURSE WEB PAGE

TOPICS

- RELATIONS: SETS OF TUPLES
- OPERATORS
 - univ, iden, none
 - SET OPS: +, &, -, in, =
 - RELATIONAL OPS: \rightarrow , DOT AND BOX JOIN, \sim , ++, ^, <: AND :>
- CONSTRAINTS
 - not, and, or, =>
 - all, some, no, lone, one, let
- FIELD AND RELATION DECLARATIONS, MULTIPLICITY
- SIG DECLARATIONS
 - abstract, extends, one
- TYPES
- FACTS, ASSERTIONS, PREDICATES, FUNCTIONS
- SCOPE
- MODELING IN ALLOY

LIKELY PROBLEM TYPES

- SMALL PROBLEMS LIKE ON QUIZZES
- GIVE SIG DECLARATIONS FOR SOME SAMPLE DOMAIN
- GIVEN SOME ALLOY MODEL:
 - INTERPRET IT (LIKE HW5)
 - EXTEND IT (LIKE HW6)