

ALLOY REVIEW

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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: ->, DOT AND BOX JOIN, ~, ++, ^, <: 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)