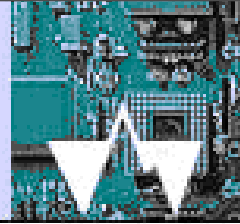
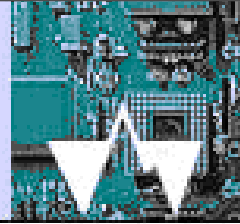


Westwood



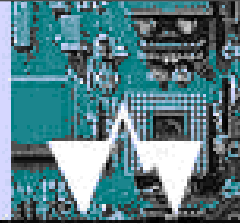
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Unit 3 Predicate Logic



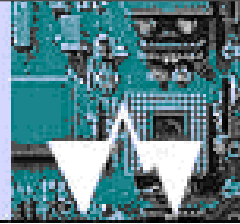
Predicate Logic

- Set comprehension
- Logical connectives
- Using predicates to define sets



Predicate Logic

- Relation between sets
- Typed predicates
- Bound variables
- Set replacement
- Finding set enumerations for finite sets
- Venn diagrams



Predicate Logic

- Logical connectives and set operations
- Metalanguage
- Quantifiers
- Families of propositions from predicates
- Existential and universal quantifiers