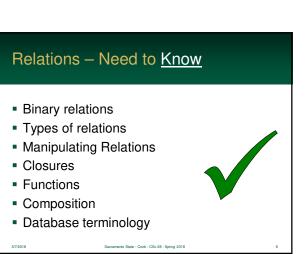


Sets – Don't Worry About Example sets (Meeseeks) Encoding IEEE floating point numbers (still need to know the concept, though)



Relations - Don't Worry About

- SQL
- Different programming language notations



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Logic – Need to Know

- Boolean operators
- Implication!
- Precedence
- Tautology / contradiction
- Logic equivalences
- Valid arguments
- Logical fallacies

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Logic - Don't Worry About

- George Boole
- My "Gold Rush" example
- Boolean Algebra & Proofs
- Duels



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Proof – Need to Know

- Theorems & Definitions
- Direct proof
- Proof by contrapositive
- Predicate logic
- Quantifiers
- Induction

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Proof – Don't Worry About

- Proof by contradiction (still know the approach)
- Strong induction



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Circuits - Need to Know

- Gates
- Convert circuit to expression
- Convert expression to circuit
- Creating an arbitrary circuit
- Disjunctive normal form
- Karnaugh maps (and how they work)

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Circuits — Don't Worry About Defining Boolean Logic Functional completeness (but know why important)

