LaTeX for Peter

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Freshman Fall

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1   Logic

1.1   Propositions and Logical Operations

Proposition: a statement that is either <u>true</u> or <u>false</u>
    examples: "It is raining today", "$3 \cdot 8 = 20$"

1.2   Evaluating Compound Propositions

1.3   Conditional Statements

1.4   Logical Equivalence

1.5   Laws of Propositional Logic

1.6   Predicates and Quantifiers

1.7   Quantified Statements

1.8   DeMorgan's law for Quantified Statements

1.9   Nested Quantifiers

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1.12   Rules of Inference with Propositions

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