COMP9020 Week 8 Recap

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Propositional logic

- Syntax: Well-formed formulas, parse trees
- Semantics: Truth valuations, Boolean algebras
- Tautologies, Contradictions, Contingencies
- Logical equivalence
- Entailment
- CNF/DNF
- Other logics

Graph Theory

- Definitions and notation: vertices, edges, paths, cycles, connectedness, isomorphisms

Need to know for this course

- Proofs in Boolean Algebras
- Difference between syntax and semantics
- Identifying tautologies, contingencies, contradictions
- Proving logical equivalence and entailments