Final Review

- Midterm (search algorithms) still covered!

  - See Week 5 discussion slides, will not covered in this discussion

  - https://web.cs.ucla.edu/~weightzero/teaching/CS161-23W#week-5-discussion-slides-midterm-review

- Propositional logic

  - Knowledge base

  - Property, calculation

  - Resolution, Horn clauses

- First order logic

  - Knowledge base representation

  - Property, calculation, unification, Skolemization

  - Resolution

- Reasoning with uncertainty

- Bayesian Networks

  - Representation

  - Independence (Local topology, Markov blanket)

  - Reasoning, inference

Propositional logics

- CNF, DNF, horn clauses

(b) (1 point) $(X \wedge Y) \vee (\neg X \vee \neg Y)$ is a disjunctive normal form (X, Y) are variables).

    A. True

    B. False

Answer: B

- Resolution.