CIS 471/571 (Winter 2020): Introduction to Artificial Intelligence

Lecture 20: Exam Review

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Source: http://ai.berkeley.edu/home.html
Time and Location

- Time: 8 am – 10 am (120 minutes), March 19th, 2020
- Location: Take-home exam
- Calculator
- Submission: on Canvas
- You have 30 minutes after the exam period to upload your answers.
Topics

- Search
- Adversarial search
- Reinforcement learning
- Bayes Nets
- Hidden Markov models
Graph Search

- Uninformed search
  - UCS

- Informed search
  - Greedy
  - A*
  - Admissibility and consistence
Adversarial Search

- Minimax search
- Alpha-beta pruning
Reinforcement Learning

- Direct evaluation
- Q-learning
- Exploration
Bayes Nets

- Independence
  - D-separation

- Inference
  - Variable elimination

- Sampling
  - Gibbs sampling
Hidden Markov Models

- Forward Algorithm
Midterm Winter 2019

- Link: https://classes.cs.uoregon.edu/19W/cis471/homework/Midterm_Solution.pdf