Overview

- Homework 4

- Knowledge based rational agents

- Propositional Logic

- Inference / proving

- Next week discussion cancelled due to personal travel

- First order logic will be presented the week after next week

Key concepts

- Entailment $KB \models \alpha$

- If all statement in KB is true, α is true

- What if KB is false?

  - If $1 + 1 = 3$, dinosaurs will appear in 21st century.

  - If I could go back to 1970s, I can invent Macintosh system

- intrinsic property of KB and α, independent from algorithm