

Game Theory

The goal of the presentation is to discuss Game Theory. Your presentation should include at least

- A discussion of what game theory is.
- A discussion of the prisoners dilemma.
- A discussion of perfect information games.
- A discussion of how trees can represent games and what winning strategies are.

In addition you should include at least one thing not on the above list

At the end of your presentation the class will be asked one of the following questions.

- Who invented game theory?
- In a two player perfect information game must one player have a winning strategy? Can both players have a winning strategy?
- Which of the following is a type of game commonly studied in game theory: The Prisoners Dilemma, Doom, Hop Scotch

A good starting point for your research is

http://en.wikipedia.org/wiki/Game_theory

If you have any questions regarding the presentation feel free to e-mail your TA or Dr. Ackerman