

# SEARCH, QUIZ

Adapted from slides kindly shared by Stuart Russell

## Announcements

Autograder responses to early search submissions are back

Progress on real-time autosubmit / autograder - may be up soon

P1 (search) due Thu 10-04 at 5pm

Project P2 Multi-Agent Pac-Man coming later this week.

◇ Now with Ghosts! Minimax, Expectimax, Evaluation

Office hours for me on Thursday 2:30-3:30 and Friday 1:30-2:30, ECST 121

# Appreciations

- ◇ T-Shirts
- ◇ Esperanto
- ◇ Good questions and accessible explanations by students
- ◇ Learning by doing

Your appreciations?

# Programming Projects

The programming projects are the heart of this course.

Some of the quiz and final exam questions will relate to the projects.

You won't do well if you don't do well on the projects.

So taking some time this week to help you do that on search.

What would be helpful?

- ◇ Demos of python development, debugging?
- ◇ Collaborative test suite development?

## Search Hints

Play with pdb - python debugger.

◇ `python -m pdb pacman.py ...arguments to pacman...`

◇ Look at backtrace, local variables, etc.

Node data structure

Beware not accumulating costs as you go along

Good state representation important for efficiency and multi-goal problem solving

Test cases - try the various layouts, your own layouts (piazza)

Don't start with a 'Stop' move :/

partners.txt file, really a csv file, one line per partner, two commas per line

## Questions on Search?

## Quiz answers