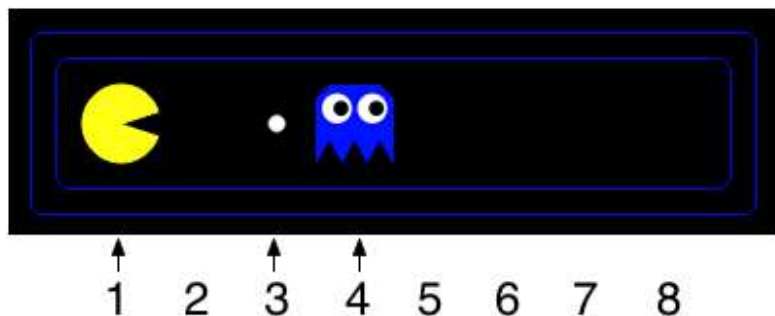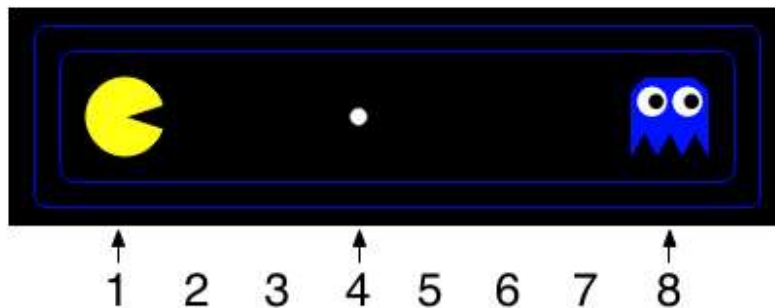# Quiz 2: Evaluation and Collaboration

Quiz 2: Evaluation and Collaboration

3/3 points (ungraded)

Part 1: Evaluation Function

For the two situations shown below, which evaluation functions will give the situation on the left a higher score than the situation on the right?

- [ ] 1 / (Pac-Man's distance to the nearest food pellet)

- [x] Pac-Man's distance to the nearest ghost

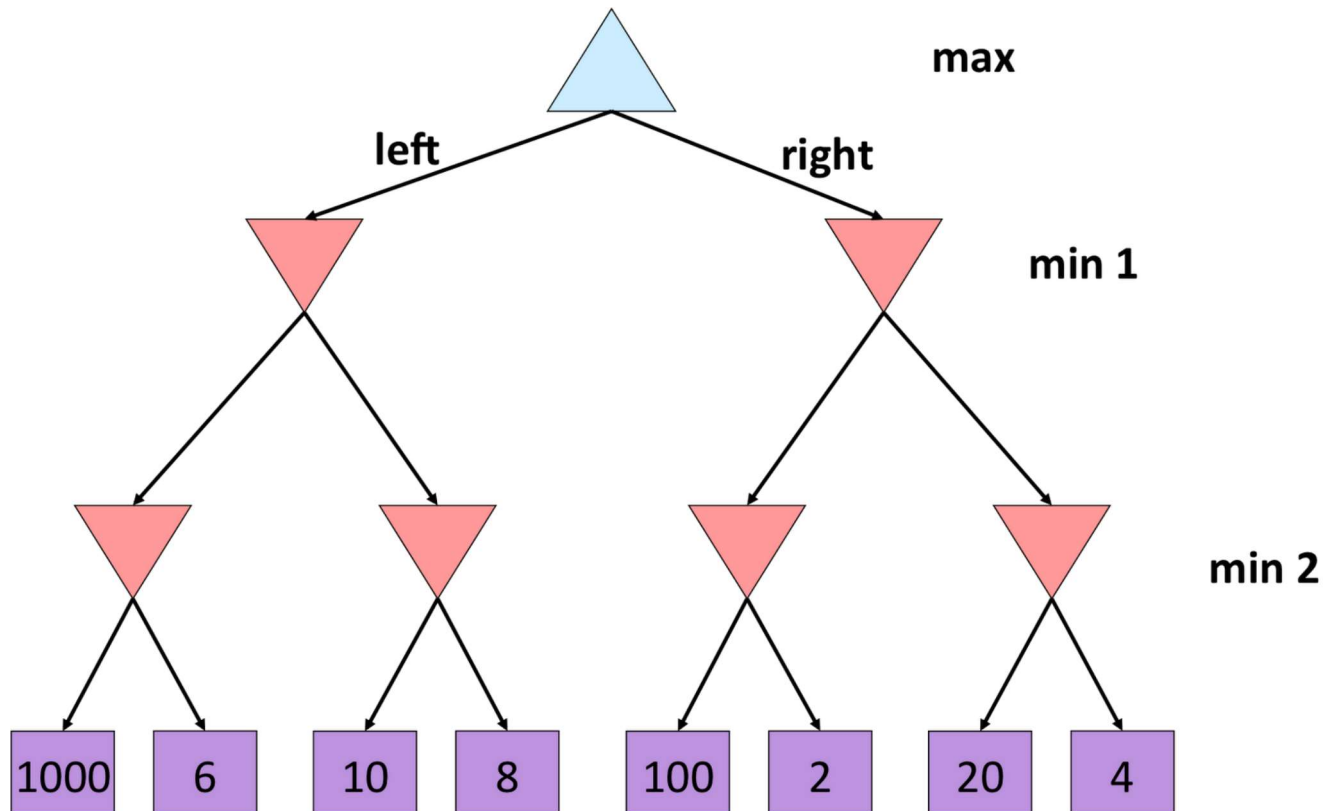- [x] Pac-Man's distance to the nearest ghost + 1 / (Pac-Man's distance to the nearest food pellet)

☐ Pac-Man's distance to the nearest ghost + 1000 / (Pac-Man's distance to the nearest food pellet)

✔

Part 2: Collaboration

You saw in the previous video that two ghosts collaborated to corner Pac-Man. Such behavior naturally arises from minimax by simply modeling each ghost as a minimizer. Below is an example of a game tree with two minimizer players (min 1 and min 2), and one maximizer player.

What is the minimax value of this game tree?

| 6 | ✔ |

Which action will the maximizer take when playing according to the minimax strategy?

⦿ Left ✔

◯ Right

Submit

✔ Correct (3/3 points)