

CS 4300: Artificial Intelligence

Assignment: Identify Problems Potentially Solved by AI

Identify 3 problems that could potentially be solved by a rational agent. For each problem, write a paragraph that describes the problem, the inputs that would be available to an agent, and the actions available to the agent.

Required Submissions

- A PDF file containing your report.

Passoff

Post your submission to the Canvas assignment. Be prepared to share your problems with your peers on the day the assignment is due.

Sample Solution

CS 4300 - 3 Problems solvable by a rational agent - Ash Ketchum

The game of Pokemon GO has a system for advancing the Mega Level of individual pokemon. The mega level system uses time and mega energy to advance an individual's level. Mega energy can only be obtained by completing raids or walking tasks in the game. A useful AI agent would help plan for when to walk or raid to obtain energy, and when to use energy to advance the level. The optimal result would be maximizing the mega level of a group of pokemon in a minimal amount time, given constraints on raids and walking.

A second problem description here.

A third problem description here.