

Hw1

1. Water Jug Problem

You are given two jugs with no measuring marks, a 4-gallon one and a 3-gallon one. There is a pump to fill the jugs with water. How can you get exactly 2 gallons of water into the 4-gallon jug?

For the agent of water jug, develop a PEAS description of this task environment.

2. Consider an Internet shopping agent

- a. What are the percepts for this agent ?
- b. Characterize the operating environment.
- c. What are the actions the agent can take ?
- d. How can one evaluate the performance of the agent ?
- e. What sort of agent architecture do you think is most suitable for this agent ?