

Artificial Intelligence
Homework assignment #1
Due: Oct. 3, 2001

1. Give a definition of *intelligence*.
2. Why is AI difficult?
3. Analyze each of the following problems with respect to the seven problem characteristics discussed in Section 2.3.
 - 8-puzzle
 - Traveling salesman
 - Cryptarithmic
 - Tower of Hanoi
4. Formulate each of the following problems into a state space search problem.
 - Missionaries and cannibals
 - 8-puzzle