

UCF

School of computer Science

COT 4810: Topics in Computer Science

Fall 2004

Homework 1 (Due 9/23/04)

1. In which compression method (Hash tables) is the table size critical?
2. Explain how alpha-beta pruning improves upon the Minimax algorithm.
3. How are Artificial Intelligence and Artificial life similar?
4. What type of device does the Xbox resemble the most?
5. Given an array of numbers of size n , how many processors are required for the odd even transposition sort to be $O(n)$?
6. In Steganography, how does "Least Significant Bit Insertion" work?
7. What is an asymmetric cipher?