Homework 7

Assigned on: Fri April 8, 2005.

Due: Fri Apr 15, 2005.

This is a pen-and-paper homework, to be returned in class The whole homework is worth 80 points



- (a) Compute the minimax decision. Show your answer by writing the values at the appropriate nodes in the above tree. (Copy the tree in your homework.) (3 points)
- (b) What move should Max choose?

(2 points)

(c) Using the *alpha-beta pruning method*, with standard left-to-right evaluation of nodes, show how the method operates on (a copy of) the tree and list the nodes are *not* examined by alpha-beta.
(5 points)



2.	AIMA, Exercise 6.3, page 190.	20 points
3.	AIMA, Exercise 7.5, page 237.	10 points
4.	AIMA, Exercise 7.8, page 237: only c, d, e, and f.	10 points
5.	AIMA, Exercise 7.11, page 238.	30 points