

CS 4811 Artificial Intelligence

Homework 3 — Alpha-Beta Pruning

Due: Wednesday, March 2, 2016, beginning of class

(Assigned: Wednesday, February 24, 2016)

Question 1 (100 points).

Perform an alpha-beta prune to the following state space. Show all the alpha (for MAX) and beta (for MIN) values you use. Mark the branches that are pruned. Write the names of the arcs that are pruned by designating the beginning and ending nodes.

For example, if there are marks between B and G and H and 8, write B-G and H-8.

