

Instructions

Please read the following instructions carefully before submitting assignment:

It should be clear that your assignment will not get any credit if:

- The assignment is submitted after due date.
- The submitted assignment does not open or file corrupt.
- The assignment is copied.
- There is not mentioned the student Id in the assignment File or name of file is other than student ID.

GOOD LUCK

Marks: 20

Question 1:

If we can reach a node B directly from G with a cost of 5 and via G A B with a cost of 4 then which path should we choose according to dynamic programming to reach the same node and why? **[3 marks]**

Question 2:

Analyze and mention a search strategy that falls into heuristically informed search category and that guarantees to always find out a solution? Give reason to support your answer? **[5 marks]**

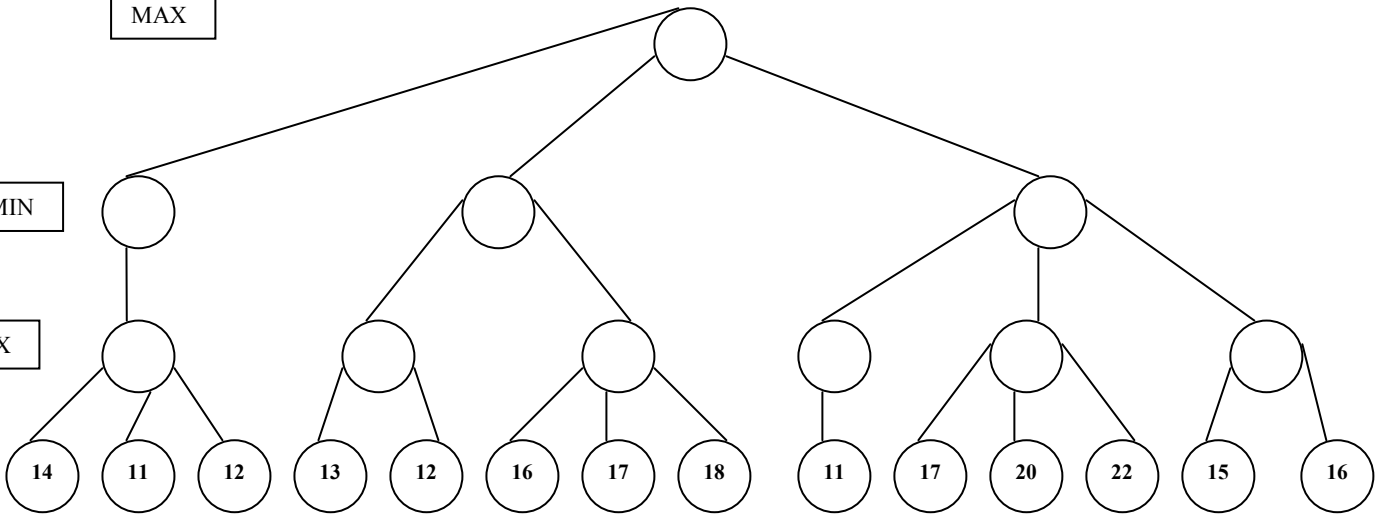
Question 3:

For the game tree given below, show which branches would be pruned by Alpha-beta pruning and Write down all the node values propagated by Alpha-beta pruning? **[5 marks]**

MAX

MIN

MAX



Question 4:

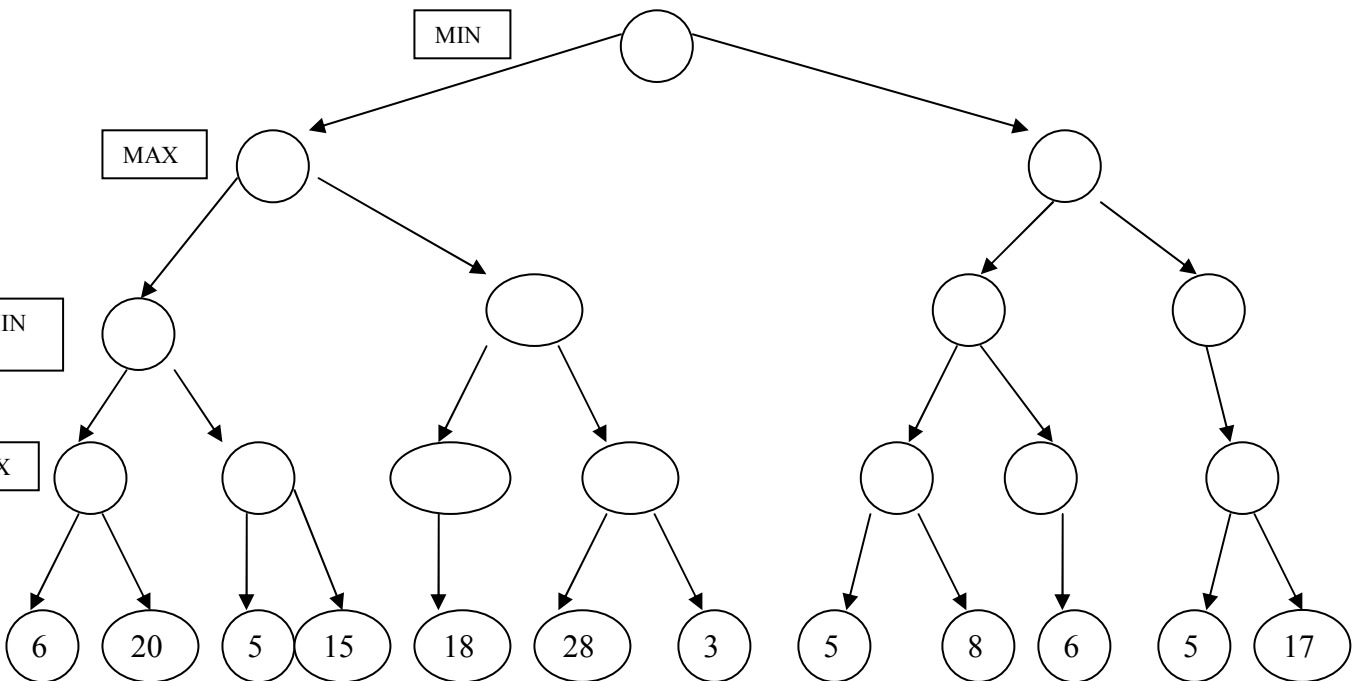
For the game tree given below, show which branches would be pruned by Alpha-beta pruning and write down all the node values propagated by Alpha-beta pruning? [7 marks]

MIN

MAX

MIN

MAX



Uploading Instructions:

Upload your assignment as a word file. It should have name [YourRollNo.doc]

Deadline

Your assignment must be uploaded/submitted at or before 31st October 2011