

CLASS TASK

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Artificial Intelligence

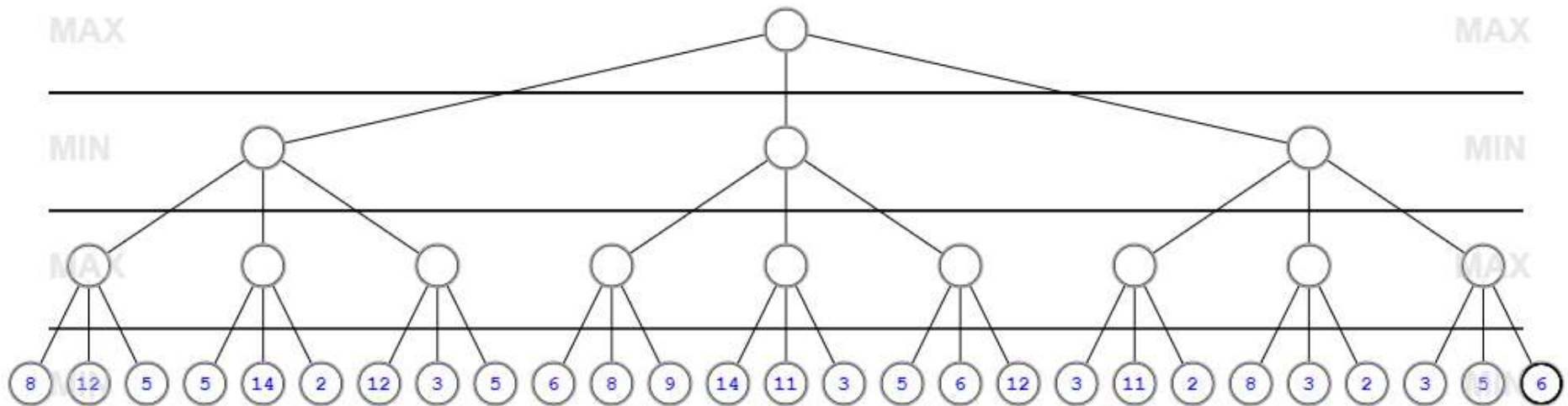
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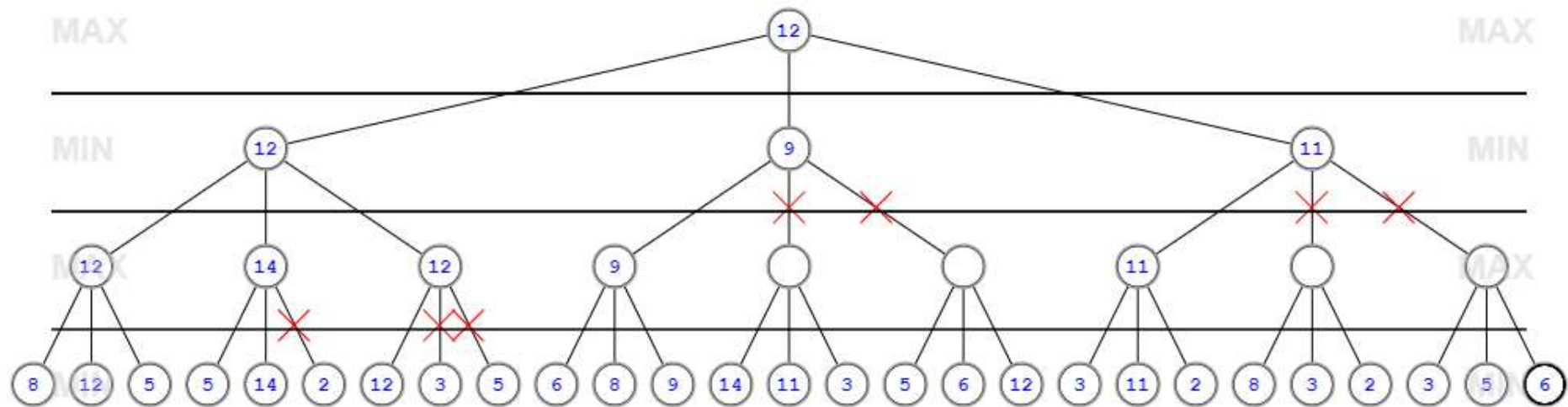
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1. Question 1

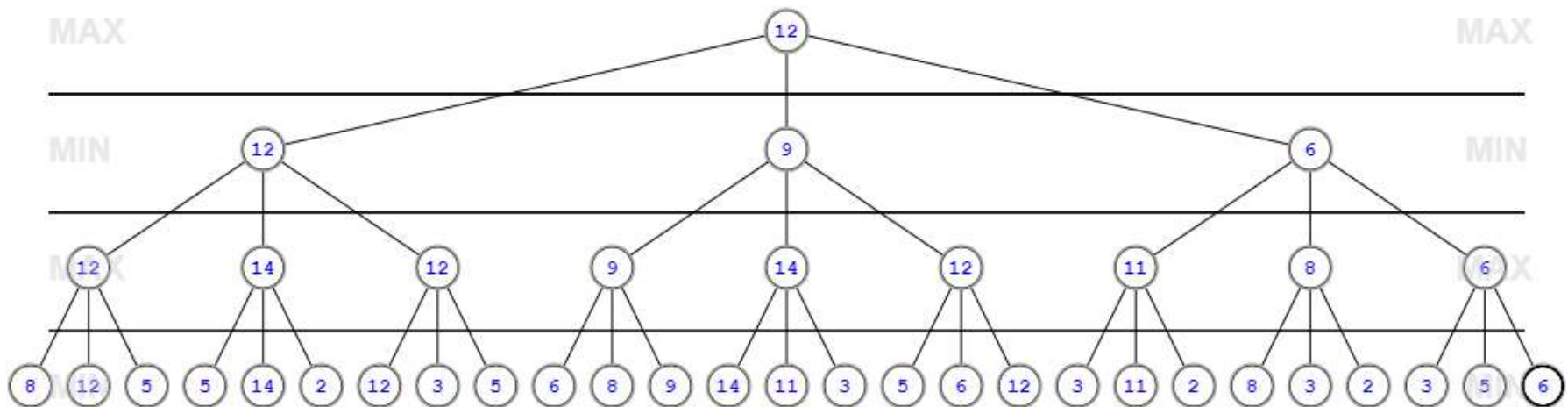
Statement: Apply Alpha Beta Pruning and MiniMax Procedure on the following tree, compare the results and write your observations.



1.1 Applied Alpha Beta Pruning



1.2 Applied MiniMax Procedure



1.2.1 Observation

In Alpha-beta pruning we reduced the amount of computation and searching during minimax. Whereas Minimax is a two-pass search, one pass is used to assign heuristic values to the nodes at the ply depth and the second is used to propagate the values up the tree. Alpha-beta search proceeds in a depth-first fashion.