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Q - How alpha beta search is different from minimax search algorithm. How does it overcome the problem of minimax search algorithm.

- Alpha-beta pruning is a procedure to reduce the amount of computation and searching during minimax. 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.
- The Alpha-beta pruning to a standard minimax algorithm returns the same move as the standard algorithm does, but it removes all the nodes which are not really affecting the final decision but making algorithm slow. Hence by pruning these nodes, it makes the algorithm fast.