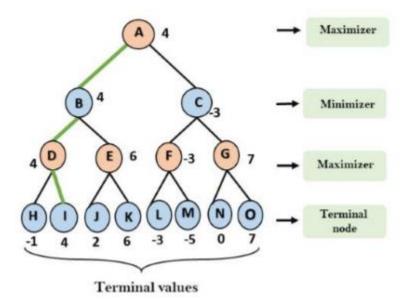
EX.NO:4 DATE:23/10/2024

Reg.no:220701015

MINIMAX ALGORITHM

- A simple example can be used to explain how the minimax algorithm works. We've included an example of a game-tree below, which represents a two-player game.
- There are two players in this scenario, one named Maximizer and the other named Minimizer.
- Maximizer will strive for the highest possible score, while Minimizer will strive for the lowest possible score.
- Because this algorithm uses DFS, we must go all the way through the leaves to reach the terminal nodes in this game-tree.
- The terminal values are given at the terminal node, so we'll compare them and retrace the tree till we reach the original state.




```
OUTPUT:
```

targetDepth))

if name == " main ":

targetDepth = 3

scores = [3, 5, 2, 9, 12, 5, 23, 23]

```
△ 220701015.ipynb ☆

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+ Code + Text

→ The optimal score is: 5
```

optimalValue = minimax(0, 0, True, scores, targetDepth)
print("The optimal value for the game is:", optimalValue)