Python program for Min Max Algorithm

def minimax(depth, nodeIndex, isMax, scores, maxDepth):

if depth == maxDepth:

return scores[nodeIndex]

if isMax:

best = float('-inf')

for i in range(2):

val = minimax(depth+1, nodeIndex\*2+i, False, scores, maxDepth)

best = max(best, val)

return best

else:

best = float('inf')

for i in range(2):

val = minimax(depth+1, nodeIndex\*2+i, True, scores, maxDepth)

best = min(best, val)

return best

scores = [3, 5, 6, 9, 1, 2, 0, -1]

maxDepth = 3

print("Optimal value:", minimax(0, 0, True, scores, maxDepth))

Output

Optimal Value : 5