

```
1 def minimax(depth, nodeIndex, isMax, scores, height):
2     if depth == height:
3         return scores[nodeIndex]
4     if isMax:
5         return max(
6             minimax(depth + 1, nodeIndex * 2, False, scores, height),
7             minimax(depth + 1, nodeIndex * 2 + 1, False, scores, height)
8         )
9     else:
10        return min(
11            minimax(depth + 1, nodeIndex * 2, True, scores, height),
12            minimax(depth + 1, nodeIndex * 2 + 1, True, scores, height)
13        )
14 scores = [3, 5, 2, 9, 12, 5, 23, 23]
15 height = 3
16 print("Optimal value:", minimax(0, 0, True, scores, height))
```

Optimal value: 12

=== Code Execution Successful ===