

Nathan Goynes

MinMax Report

User Guide: To run my program just click run and it will generate five different trees and show the minmax solution and path to solution for those trees.

Results:

```
Tree:
[1, [5, 7], 4]
Solution: 5
Path: 2 -> 1

Tree:
[[4, [7, 9, 8], 8], [[[3, 6, 4], 2, 6], [[9, 2, 9], 4, 7, [6, 4, 5]]]]
Solution: 6
Path: 2 -> 1 -> 3

Tree:
[[[1, 4], [3, [5, 2, 8, 0], 7, [5, 7, 1]], [8, 3]], [[[3, 6, 4], 2, [9, 3, 0]], [[8, 1, 9], 8, [3, 4]]]]
Solution: 4
Path: 1 -> 1 -> 2

Tree:
[5, [[[4, 7, -2], 7], 6]]
Solution: 6
Path: 2 -> 2

Tree:
[[8, [7, 9, 8], 4], [[[3, 6, 4], 2, 1], [[6, 2, 9], 4, 7, [6, 4, 5]]]]
Solution: 4
Path: 1 -> 2 -> 3

Tree:
[[[1, [4, 7]], [3, [[5, 2], [2, 8, 9], 0, -2], 7, [5, 7, 1]], [8, 3]], [[[8, [9, 3, 2], 5], 2, [9, [3, 2], 0]], [[3, 1, 9], 8, [3, 4]]]]
Solution: 5
Path: 2 -> 1 -> 1 -> 3
```

The results were generated very quickly and suggest that finding the minmax solution is not very costly, even on trees with many leaves.