Array: n elements -> height: log(n)

Recursion: until the the array has <= 1 element

// log(N) ??

While log(n) > 0:

Smaller array : 0 -> n/2

[0....n/4], [n/4+1...n/2]

Root of left tree (height 1) = n/4

Larger array: n/2+1 -> n

Root of tree (height 0): array at index n/2