

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code
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Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 // O(n) time O(n) space - where n is the length of the array 4 ▾ function minHeightBst(array) { 5 return constructMinHeightBst(array, 0, array.length - 1); 6 } 7 8 ▾ function constructMinHeightBst(array, startIdx, endIdx) { 9 if (endIdx < startIdx) return null; 10 const midIdx = Math.floor((startIdx + endIdx) / 2); 11 const bst = new BST(array[midIdx]); 12 bst.left = constructMinHeightBst(array, startIdx, midIdx - 1); 13 bst.right = constructMinHeightBst(array, midIdx + 1, endIdx); 14 return bst; 15 } 16 17 ▾ class BST { 18 ▾ constructor(value) { 19 this.value = value; 20 this.left = null; 21 this.right = null; 22 } 23 24 // We don't use this method for this solution. 25 ▾ insert(value) { 26 ▾ if (value < this.value) { 27 ▾ if (this.left === null) { 28 this.left = new BST(value); 29 } else { 30 this.left.insert(value); 31 } 32 } else { 33 ▾ if (this.right === null) { 34 this.right = new BST(value); 35 } else { 36 this.right.insert(value); 37 } 38 } 39 } 40 } 41 42 exports.minHeightBst = minHeightBst; 43</pre>		

