Sublime 00:00:00 AlgoExpert **Quad Layout** Go 12px Monokai

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Solution 1 Solution 2
                       Solution 3
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_{\rm 1} \, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 package main
 6 func NumberOfBinaryTreeTopologies(n int) int {
     cache := []int{1}
for m := 1; m < n+1; m++ {</pre>
        numberOfTrees := 0
10
        for leftTreeSize := 0; leftTreeSize < m; leftTreeSize++ {</pre>
        rightTreeSize := m - 1 - leftTreeSize
11
12
         numberOfLeftTrees := cache[leftTreeSize]
13
         numberOfRightTrees := cache[rightTreeSize]
14
15
         numberOfTrees += numberOfLeftTrees * numberOfRightTrees
16
        cache = append(cache, numberOfTrees)
17
      return cache[n]
18
19 }
```