Run Code

Our Solution(s)

33

Run Code

```
Your Solutions
```

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
     // O(n^2) time | O(n) space
     public static List<Integer[]> diskStacking(List<Integer[]> disks) {
        disks.sort((disk1, disk2) -> disk1[2].compareTo(disk2[2]));
 9
        int[] heights = new int[disks.size()];
        for (int i = 0; i < disks.size(); i++) {</pre>
10
11
         heights[i] = disks.get(i)[2];
12
        int[] sequences = new int[disks.size()];
        for (int i = 0; i < disks.size(); i++) {</pre>
14
15
          sequences[i] = Integer.MIN_VALUE;
16
17
        int maxHeightIdx = 0;
        for (int i = 1; i < disks.size(); i++) {</pre>
18
19
          Integer[] currentDisk = disks.get(i);
20
          for (int j = 0; j < i; j++) {
            Integer[] otherDisk = disks.get(j);
21
22
            if (areValidDimensions(otherDisk, currentDisk)) {
23
              if (heights[i] <= currentDisk[2] + heights[j]) {</pre>
                heights[i] = currentDisk[2] + heights[j];
                sequences[i] = j;
26
27
28
29
          if (heights[i] >= heights[maxHeightIdx]) {
30
            maxHeightIdx = i;
31
```

return buildSequence(disks, sequences, maxHeightIdx);

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```
solution 1  Solution 2  Solution 3

import java.util.*;

class Program {
  public static List<Integer[]> diskStacking(List<Integer[]> disks) {
    // Write your code here.
  return null;
}

}
```

 Our Tests
 Custom Output
 Submit Code

Run or submit code when you're ready.