Our Solution(s) Run Code

Solution 1

```
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using System;
using System.Collections.Generic;

public class Program {
  // O(n^2) time | O(n) space
  public static List<List<int> > MaxSumIncreasingSubsequence(int[] ar
    int[] sequences = new int[array.Length];
    Array.Fill(sequences, Int32.MinValue);
    int[] sums = (int[]) array.Clone();
    int maxSumIdx = 0;
    for (int i = 0; i < array.Length; i++) {
      int currentNum = array[i];
      for (int j = 0; j < i; j++) {
        int otherNum = array[j];
        if (otherNum < currentNum && sums[j] + currentNum >= sums[i])
          sums[i] = sums[j] + currentNum;
          sequences[i] = j;
        }
      }
      if (sums[i] >= sums[maxSumIdx]) {
        maxSumIdx = i;
      }
    }
    return buildSequence(array, sequences, maxSumIdx, sums[maxSumIdx])
  }

  public static List<List<int> > buildSequence(int[] array, int[] sequ
    int sums) {
    List<List<int> > sequence = new List<List<int> >();
    sequence.Add(new List<int>());
    sequence.Add(new List<int>());
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```
using System.Collections.Generic;

public class Program {
  public static List<List<int> > MaxSumIncreasingSubsequence(int[] arr
    // Write your code here.
    return null;
  }
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.