Statistics

Problem Statement

Problem Statement for TheBrickTowerMediumDivOne

Problem Statement

i-th tower (0-based index) is given in heights[i].

Brus don't like it when a tower falls down and knocks over another tower while falling. To avoid this, they have to put their towers sufficiently far apart. More precisely, the distance between any two neighboring towers must be at least equal to the maximum of

You are given the int[] heights. Return a int[] containing exactly n elements: the order in which the towers should be placed on the there is a tie (multiple solutions give the same minimal distance), return the lexicographically smallest order.

Definition

```
TheBrickTowerMediumDivOne
Method:
Parameters:
(be sure your method is public)
```

Notes

_ A int[] A is lexicographically smaller than a int[] B if it contains a smaller element at the first position where these int[]s differ.

Constraints

- heights will contain between 1 and 47 elements, inclusive.
- Each element of heights will be between 1 and 47 inclusive.

Examples

```
Returns: {0, 2, 1 }
There are six possible orderings, but only four of them have optimal distance 12 between the first and the last towers:
• {0, 2, 1}
Among these orderings \{0, 2, 1\} is the lexicographically smallest one.
{4, 4, 4, 4, 4, 4, 4}
Returns: {0, 1, 2, 3, 4, 5, 6}
Towers may have equal heights.
```

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This problem was used for: Single Round Match 554 Round 1 - Division I, Level Two