



[BACK](#)

Sort by Height

 177,554



[<](#) [DESCRIPTION](#) [MY SOLUTIONS](#) [LEADERBOARD](#) [COMMENTS](#) [README](#) [>](#)

[CODEWRITING](#) [SCORE: 300/300](#)

Some people are standing in a row in a park. There are trees between them which cannot be moved. Your task is to rearrange the people by their heights in a non-descending order without moving the trees.

Example

For `a = [-1, 150, 190, 170, -1, -1, 160, 180]` , the output should be `sortByHeight(a) = [-1, 150, 160, 170, -1, -1, 180, 190]` .

Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] array.integer a**

If `a[i] = -1` , then the `ith` position is occupied by a tree. Otherwise `a[i]` is the height of a person standing in the `ith` position.

Guaranteed constraints:
`5 ≤ a.length ≤ 15` ,
`-1 ≤ a[i] ≤ 200` .
- **[output] array.integer**

Sorted array `a` with all the trees untouched.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
  console.log("This prints to the console when you Run Tests");
  return "Hello, " + name;
}
```