

BACK

Sort by Height



DESCRIPTION

SOLUTIONS 22799

COMMENTS 44



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 i^{th} position is occupied by a tree. Otherwise `a[i]` is the height of a person standing in the i^{th} position.

Guaranteed constraints:

$5 \leq a.length \leq 15$,
 $-1 \leq a[i] \leq 200$.

- **[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;
}
```

