Problem # 1051 : Height Checker

<https://leetcode.com/problems/height-checker/>

Solution:

<https://leetcode.com/problems/height-checker/discuss/819680/Simple-Python-3-Solution-O(n)-solution>

1. Sort the heights array and save it as sorted\_heights. This is O(n\* log n) time.
2. Compare the heights array with the sorted array for each position (i.e. index). If the values are not equal, increment the counter of students that need to move (i.e. count).
3. Return count.

class Solution:

def heightChecker(self, heights: List[int]) -> int:

sorted\_heights = sorted(heights)

n = len(heights)

count = 0 # number of students that need to move

for i in range(n):

if heights[i] != sorted\_heights[i]:

count += 1

return(count)