853. Car Fleet

There are n cars at given miles away from the starting mile 0, traveling to reach the mile target.

You are given two integer array position and speed, both of length n, where position[i] is the starting mile of the [ith] car and speed[i] is the speed of the [ith] car in miles per hour.

A car cannot pass another car, but it can catch up and then travel next to it at the speed of the slower

A car fleet is a car or cars driving next to each other. The speed of the car fleet is the minimum speed of any car in the fleet.

If a car catches up to a car fleet at the mile target, it will still be considered as part of the car fleet.

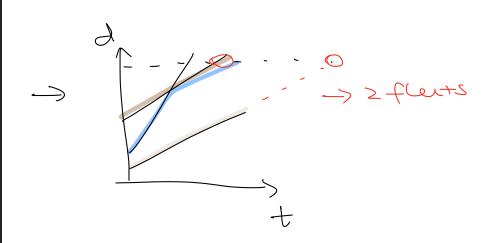
Return the number of car fleets that will arrive at the destination.

Example 1:

Input: target = 12, position = [10,8,0,5,3], speed = [2,4,1,1,3]

Explanation:

- The fleet forms at target
- The car starting at 0 (speed 1) does not catch up to any other car, so it is a fleet by itself.
- fleet moves at speed 1 until it reaches target.



$$\frac{3}{15-3}=3$$

sort by distance

if time; > time; -1

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class Solution:
def carFleet(self, target: int, position: List[int], speed: List[int]) -> int:
    cars = sorted(zip(position, speed), reverse=True)
        time = (target - pos) / spd
           last_time = time
    return fleets
```