Angry Owner

Question 855 of 1031

Medium

You are given two lists of integers `customers` and `mood`, both of them the same length, and an integer `k`. On each minute `i`, `customers[i]` number of people come to the store and if `mood[i] = 1`, then the customers are happy whereas if `mood[i] = 0`, then they are unhappy.

Given that you can set a sublist of length `k` of `mood` to `1`s, return the maximum number of people you can make happy.

Constraints:

- `k ≤ n ≤ 100,000` where `n` is the length of `customers` and `mood`

Example

Input

`customers = [1, 2, 5, 5, 2]`

`mood = [1, 1, 0, 0, 0]`

`k = 2`

Output

`13`

Explanation: If we set `mood[2]` and `mood[3]` to `1`, then we can make `1 + 2 + 5 + 5 = 13` customers happy.

Solved: 196, Attempted: 287, Rate: 68.30%

```
class Solution {

    public int solve(int[] customers, int[] mood, int k) {

    }

}
```