

1010. Pairs of Songs With Total Durations Divisible by 60

Description

You are given a list of songs where the i^{th} song has a duration of `time[i]` seconds.

Return *the number of pairs of songs for which their total duration in seconds is divisible by 60*. Formally, we want the number of indices i , j such that $i < j$ with `(time[i] + time[j]) % 60 == 0`.

Example 1:

Input: `time = [30,20,150,100,40]`

Output: 3

Explanation: Three pairs have a total duration divisible by 60:

(`time[0] = 30`, `time[2] = 150`): total duration 180

(`time[1] = 20`, `time[3] = 100`): total duration 120

(`time[1] = 20`, `time[4] = 40`): total duration 60

Example 2:

Input: `time = [60,60,60]`

Output: 3

Explanation: All three pairs have a total duration of 120, which is divisible by 60.

Constraints:

- `1 <= time.length <= 6 * 104`
- `1 <= time[i] <= 500`

