

# 1395. Count Number of Teams

## Description

There are `n` soldiers standing in a line. Each soldier is assigned a **unique** `rating` value.

You have to form a team of 3 soldiers amongst them under the following rules:

- Choose 3 soldiers with index ( `i` , `j` , `k` ) with rating ( `rating[i]` , `rating[j]` , `rating[k]` ).
- A team is valid if: ( `rating[i] < rating[j] < rating[k]` ) or ( `rating[i] > rating[j] > rating[k]` ) where ( `0 <= i < j < k < n` ).

Return the number of teams you can form given the conditions. (soldiers can be part of multiple teams).

### Example 1:

**Input:** `rating = [2,5,3,4,1]`

**Output:** 3

**Explanation:** We can form three teams given the conditions. (2,3,4), (5,4,1), (5,3,1).

### Example 2:

**Input:** `rating = [2,1,3]`

**Output:** 0

**Explanation:** We can't form any team given the conditions.

### Example 3:

**Input:** `rating = [1,2,3,4]`

**Output:** 4

### Constraints:

- `n == rating.length`
- `3 <= n <= 1000`
- `1 <= rating[i] <= 105`
- All the integers in `rating` are **unique**.

