

1063. Best Sightseeing Pair

Difficulty : Medium

<https://leetcode.com/problems/best-sightseeing-pair>

You are given an integer array `values` where `values[i]` represents the value of the i^{th} sightseeing spot. Two sightseeing spots i and j have a **distance** $j - i$ between them.

The score of a pair $(i < j)$ of sightseeing spots is `values[i] + values[j] + i - j`: the sum of the values of the sightseeing spots, minus the distance between them.

Return *the maximum score of a pair of sightseeing spots*.

Example 1:

Input: `values = [8,1,5,2,6]`

Output: 11

Explanation: $i = 0, j = 2, \text{values}[i] + \text{values}[j] + i - j = 8 + 5 + 0 - 2 = 11$

Example 2:

Input: `values = [1,2]`

Output: 2

Constraints:

- $2 \leq \text{values.length} \leq 5 \times 10^4$
- $1 \leq \text{values}[i] \leq 1000$