

1131. Maximum of Absolute Value Expression

Description

Given two arrays of integers with equal lengths, return the maximum value of:

$$|arr1[i] - arr1[j]| + |arr2[i] - arr2[j]| + |i - j|$$

where the maximum is taken over all $0 \leq i, j < arr1.length$.

Example 1:

Input: `arr1 = [1,2,3,4], arr2 = [-1,4,5,6]`

Output: 13

Example 2:

Input: `arr1 = [1,-2,-5,0,10], arr2 = [0,-2,-1,-7,-4]`

Output: 20

Constraints:

- $2 \leq arr1.length == arr2.length \leq 40000$
- $-10^6 \leq arr1[i], arr2[i] \leq 10^6$

