You are given an integer array nums and an integer k.

For each index i where 0 <= i < nums.length, change nums[i] to be either nums[i] + k or nums[i] - k.

The **score** of nums is the difference between the maximum and minimum elements in nums.

Return *the minimum****score****of*nums*after changing the values at each index*.

**Example 1:**

**Input:** nums = [1], k = 0

**Output:** 0

**Explanation:** The score is max(nums) - min(nums) = 1 - 1 = 0.

**Example 2:**

**Input:** nums = [0,10], k = 2

**Output:** 6

**Explanation:** Change nums to be [2, 8]. The score is max(nums) - min(nums) = 8 - 2 = 6.

**Example 3:**

**Input:** nums = [1,3,6], k = 3

**Output:** 3

**Explanation:** Change nums to be [4, 6, 3]. The score is max(nums) - min(nums) = 6 - 3 = 3.

**Constraints:**

* 1 <= nums.length <= 104
* 0 <= nums[i] <= 104
* 0 <= k <= 104