1803. Count Pairs With XOR in a Range

My Submissions (/contest/weekly-contest-233/problems/count-pairs-with-xor-in-a-range/submissions/) Back to Contest (/contest/weekly-contest-233/)

Given a **(0-indexed)** integer array `nums` and two integers `low` and `high`, return *the number of* ***nice pairs***.

A **nice pair** is a pair `(i, j)` where `0 <= i < j < nums.length` and `low <= (nums[i] XOR nums[j]) <= high`.

User Accepted:	204
User Tried:	1046
Total Accepted:	228
Total Submissions:	1752
Difficulty:	Hard

Example 1:

```
Input: nums = [1,4,2,7], low = 2, high = 6
Output: 6
Explanation: All nice pairs (i, j) are as follows:
    - (0, 1): nums[0] XOR nums[1] = 5
    - (0, 2): nums[0] XOR nums[2] = 3
    - (0, 3): nums[0] XOR nums[3] = 6
    - (1, 2): nums[1] XOR nums[2] = 6
    - (1, 3): nums[1] XOR nums[3] = 3
    - (2, 3): nums[2] XOR nums[3] = 5
```

Example 2:

```
Input: nums = [9,8,4,2,1], low = 5, high = 14
Output: 8
Explanation: All nice pairs (i, j) are as follows:
    - (0, 2): nums[0] XOR nums[2] = 13
    - (0, 3): nums[0] XOR nums[3] = 11
    - (0, 4): nums[0] XOR nums[4] = 8
    - (1, 2): nums[1] XOR nums[2] = 12
    - (1, 3): nums[1] XOR nums[3] = 10
    - (1, 4): nums[1] XOR nums[4] = 9
    - (2, 3): nums[2] XOR nums[3] = 6
    - (2, 4): nums[2] XOR nums[4] = 5
```

Constraints:

- `1 <= nums.length <= 2 * 10^4`
- `1 <= nums[i] <= 2 * 10^4`
- `1 <= low <= high <= 2 * 10^4`

Discuss (https://leetcode.com/problems/count-pairs-with-xor-in-a-range/discuss)

JavaScript

```
/**
 * @param {number[]} nums
 * @param {number} low
 * @param {number} high
 * @return {number}
 */
var countPairs = function(nums, low, high) {

};
```