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Problem 477: Total Hamming Distance




Success Details >

Runtime: **4 ms**, faster than **99.11%** of Java online submissions for Total Hamming Distance.

Memory Usage: **40.8 MB**, less than **71.43%** of Java online submissions for Total Hamming Distance.

Next challenges:

Hamming Distance

Show off your acceptance:   

Time Submitted	Status	Runtime	Memory	Language
a few seconds ago	Accepted	4 ms	40.8 MB	java

```
1 class Solution {
2     public int totalHammingDistance(int[] nums) {
3         int n = nums.length;
4         int total = 0;
5         for (int i = 0; i < 32; ++i) {
6             int count = 0;
7             for (int val : nums) {
8                 val = (val >> i) & 1;
9                 count += val & 1;
10            }
11            total += count * (n - count);
12        }
13        return total;
14    }
15 }
```

Testcase Run Code Result Debugger

Accepted Runtime: 0 ms

Your input [4,14,2]

Output 6 Diff

Expected 6