

Write a function to find the Hamming Distance

```
public int totalHammingDistance(int[] nums) {  
    int total = 0;  
    for(int i = 0; i < nums.length - 1; i++){  
        int bitCount = 0;  
        for(int j = i + 1; j < nums.length; j++){  
            bitCount += (nums[i] >> j) & 1;  
        }  
        total += bitCount;  
    }  
    return total;  
}
```