Problem List

Dynamic Layout Premium 0

Description Editorial Solutions (12) Submissions

2859. Sum of Values at Indices With K Set Bits

Hint

Easy 1 0

Companies

You are given a **0-indexed** integer array `nums` and an integer `k`.

Return *an integer that denotes the **sum** of elements in* `nums` *whose corresponding **indices** have **exactly*** `k` *set bits in their binary representation.*

The **set bits** in an integer are the `1`'s present when it is written in binary.

- For example, the binary representation of `21` is `10101`, which has `3` set bits.

Example 1:

```
Input: nums = [5,10,1,5,2], k = 1
Output: 13
Explanation: The binary representation of the indices are:
0 = 000₂
1 = 001₂
2 = 010₂
3 = 011₂
4 = 100₂
Indices 1, 2, and 4 have k = 1 set bits in their binary representation.
Hence, the answer is nums[1] + nums[2] + nums[4] = 13.
```

Example 2:

Java Auto

```java
            if (isK(binary(i),k)){
                sum = sum + nums.get(i);
            }
        }

        System.out.println("sum: " + sum);

        return sum;
    }

    private boolean isK (ArrayList<Integer> bin, int k){

        int count = 0;

        for (int number : bin){
            if (number == 1){
                count++;
            }

        }

        return count == k;
    }

    private ArrayList<Integer> binary(int number){

        int quotient = number;
        int remainder = 0;
```

--VISUAL--

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