Daily Test   **Happy Coding from necse**   ✓ **SkillRack**

Time Left: 00:10:58

Count Set Bits - All Positions

The program must accept an array of **N** integers as the input. The program must find the binary representation of each integer in the array. For each position from the **LSB**, the program must print the number of set bits occur in the N integers as the output.

Boundary Condition(s):
2 <= N <= 100
1 <= Each integer value <= 10^8

Input Format:
The first line contains N.
The second line contains N integer values separated by a space.

Output Format:
The first line contains the number of set bits occur in the N integers.

Example Input/Output 1:
Input:
5
10 12 9 7 11

Output:
3 3 2 4

Explanation:
1010 -> **10**
1100 -> **12**
100**1** -> **9**
0**111** -> **7**
101**1** -> **11**
1st position from LSB, the set bits occur in **9**, **7** and **11**.
2nd position from LSB, the set bits occur in **10**, **7** and **11**.
3rd position from LSB, the set bits occur in **12** and **7**.
4th position from LSB, the set bits occur in **10**, **12**, **9** and **11**.

Example Input/Output 2:
Input:
2
15 33

Output:
2 1 1 1 0 1

   Max Execution Time Limit: 50 millisecs

Ambiance

Java (12.0)

✕

```java
1  import java.util.*;
2  public class Hello {
3
4      public static void main(String[] args) {
5
6          Scanner sc  = new Scanner(System.in);
7
8          int n = sc.nextInt();
9          String s[] = new String[n];
10
11         int res[] = new int[1000];
12         int max=0;
13
14         for(int i=0;i<n;i++){
15             s[i] = new StringBuilder(Integer.toBinaryString(sc.nextInt
                    ())).reverse().toString();
16         }
17
18         for(String i:s){
19             char ss[] = i.toCharArray();
20             max = Math.max(max,ss.length);
21             for(int j=0;j<ss.length;j++){
22
23                 if(ss[j]=='1') res[j]++;
24             }
25         }
26
27         for(int i=0;i<max;i++){
28             System.out.print(res[i]+" ");
29         }
30
31
32      }
33  }
```

1912067@nec

Code did not pass the execution   — ✕

Input:

5
10 12 9 7 11

Expected Output:

3 3 2 4

Your Program Output:

3-3-2-4-0-

Save   Run