

Leet Code 15 (11/05/2023)

Problem 1: 2654. Minimum Number of Operations to Make All Array Elements Equal to 1

Code:

```
package LeetCode;

class Solution {

    public int minOperations(int[] nums) {

        int n = nums.length;

        int c = 0;

        for(int i=0; i<n; i++)

        {

            if(nums[i] == 1)

            {

                c++;

            }

        }

        if(c > 0)

        {

            return n - c;

        }

        int ans = Integer.MAX_VALUE;

        for(int i=0; i<n; i++)

        {

            int num = nums[i];
```

```

        for(int j=i+1; j<n; j++)
        {
            num = gcd(num, nums[j]);
            if(num == 1)
            {
                ans = Math.min(ans, j-i);
                break;
            }
        }
        if(num != 1)
        {
            break;
        }
    }
    if(ans == Integer.MAX_VALUE)
    {
        return -1;
    }
    return n - 1 + ans;
}

public int gcd(int a, int b)
{
    if(a == 0)
    {
        return b;
    }

```

```
        return gcd(b%a, a);
    }
}

public class MakeElementofArrayto1 {

    public static void main(String[] args) {

        int num [] = {2,10,6,14};
        Solution obj = new Solution();
        int result=obj.minOperations(num);
        System.out.println(result);
    }
}
```

Problem 2: 2443. Sum of Number and Its Reverse

```
package LeetCode;

import java.util.Scanner;

class BSolution {

    public boolean sumOfNumberAndReverse(int num) {

        for(int i = 0; i <= num; ++ i){

            int n = i;

            int r = 0;

            while(n != 0){

                r = r * 10 + n % 10;

                n = n / 10;

            }

            if(r + i == num) return true;

        }

        return false;

    }

}

public class Asolutions {

    public static void main(String[] args) {

        Scanner in = new Scanner(System.in);

        BSolution obj = new BSolution();

        int num= in.nextInt();
```

```
System.out.println(obj.sumOfNumberAndReverse(num));
```

```
}
```

```
}
```