- **EASY**
- **Max Score: 30 Points**

Sum and Product of maximum and minimum

You are given an array A of N integers. You need to find the sum and product of the maximum and minimum value present in the array.

NOTE

You need to complete the given function. The input and printing of output will be handled by the driver code.

Input Format

The first line contains the number of test cases.

For each test case: The first line has the value of N.

The next line contains N space-separated integers of array A.

Output Format

For each test case return an array of size two having the sum at first position and product at second.

Example 1

Input:

```
1
4
1 2 3 2
```

Output

```
4 3
```

Explanation

Minimum value is 1 and maximum is 3. 1 + 3 = 4 and 1 * 3 = 3.

Example 2

Input

```
1
5
3 2 2 4 6
```

Output

```
8 12
```

Explanation

Minimum value is 2 and maximum is 6. 2 + 6 = 8 and 2 * 6 = 12.

Constraints

```
1 <= T <= 10
```

```
1 <= N <= 10000
```

```
1<= A[i] <= 1000000
```

Topic Tags

- **Arrays**

My code

```java
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
         Scanner s=new Scanner(System.in);
        int t=s.nextInt();
        for(int l=0;l<t;l++)
            {
        int n=s.nextInt();
        int arr[]=new int[n];
                    int min=Integer.MAX_VALUE;
                      int max=Integer.MIN_VALUE;
        for(int i=0;i<n;i++)
            {
                int a=s.nextInt();
                if(a<min)min=a;
                if(a>max)max=a;
            }
                System.out.println(min+max+" "+min*max);
            }
    }
}
```