

```

import java.util.*;
public class Main
{
    public static Scanner input = new Scanner (System.in);
    public static void main(String[] args) {
        int test=input.nextInt();
        while(test-->0){

            int n=input.nextInt();
            int size =1<=<n;
            int arr[]=new int[size];

            for(int i=0; i<size; i++){
                arr[i] =input.nextInt();
            }
            Arrays.sort(arr);
            int ans[] = new int[n];
            int pos = 0;
            PriorityQueue<Integer> pq = new PriorityQueue<>();
            List<Integer> sub = new ArrayList<>();
            for(int i=1; i<size; i++)
            {
                int curr = -1;
                if(!pq.isEmpty()){
                    curr = pq.peek();
                }
                if(curr == arr[i])
                {
                    pq.poll();
                }else
                {
                    ans[pos++] = arr[i];
                    int len = sub.size();
                    for(int j=0; j<len; j++)
                    {
                        int val = sub.get(j)+arr[i];
                        sub.add(val);
                        pq.add(val);
                    }
                    sub.add(arr[i]);
                }

                if(pos == n)
                    break;
            }
            for(int i=0;i<n;i++)
                System.out.print(ans[i]+" ");
            System.out.println();
        }
    }
}

```