**[Maximum Number of Toys](https://practice.geeksforgeeks.org/problems/maximum-number-of-toys/1)**

You are given **N** toys in a shop .  
The cost of each toy is represented by an array **A[]**. You are given Q queries, For ith query, You have a **C** amount of money which you can use to purchase the toys. Also there are K broken toys and you won't purchase them. The task is to calculate the maximum number of toys you can purchase using the C amount of money.

**Note:** 1 based indexing is used. Each query is treated independently.   
Query definition: The first element represents an integer C where C=Queries[i][0].  
The second element represents an integer K, where K = Queries[i][1].  
The next K integers represent the indices of broken toys which are Queries[i][j] ,j>1

**Example 1:**

**Input:**

N = 5

A[] = {8, 6, 9, 2, 5}

Q = 2

Query[][] = {{12,2,3,4},{30,0}}

**Output:**

2 5

**Explanation:**

**Query 1:** C = 12, K = 2 ,

Indices of Broken toys is {3,4}

Indices of Available toys are {1,2,5}

If we purchase the toys 2 and 5 ,

then cost = A[2]+A[5]= 6+5 = 11,

Therefore,We purchase the 2 toys

using 11 amount of money.

**Query 2:** C = 30, K = 0

There is no broken toy.

We can purchase all toys,

cost = A[1]+A[2]+A[3]+A[4]+A[5]= 30

Therefore,We purchase the 5 toys

using 30 amount of money.

**Example 2:**

**Input:**

N = 2

A[] = {3,3}

Q = 1

Query[][] = {{1,0}}

**Output:**

0

**Explanation:**

**Query 1:** C = 1, K = 0 ,

There is no broken toy.

We have not enough amount to purchase

any toy.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function**maximumToys()** which takes the integer **N** and array **A[ ],**integer**Q**and 2D array**Queries[][]** as input parameters and returns the array of answers of each query.

**Expected Time Complexity:** O(NLogMx + Q\*K\*LogMx + Q\*(LogMx)2)  
**Expected Auxiliary Space:** O(Mx)  
Where Mx is the maximum element present in the array A[i].

**Constraints:**  
1 ≤ N ≤ 105  
1 ≤ A[i] ≤ 106  
1 ≤ Q ≤ 104  
1 ≤ C ≤ 109  
0 ≤ K ≤ 10  
1 ≤ Queries[i][j] ≤ N, j>1