## Boxes of Chocolate

Choco-moo has gone to the super market to buy chocolates for his friends. He entered a shop and found that they sell many boxes of chocolates. All the chocolate boxes are lined up on the display and there are exactly $\mathbf{N}(\mathbf{0}<\mathbf{N}<=\mathbf{1 0 0 0 0 0})$ chocolate boxes. The i-th number box contains $\mathbf{A i}(\mathbf{0}<\mathbf{A i}<=\mathbf{1 0 0 0 0 0})$ amount of chocolates inside. Choco-moo loves chocolates and wants to buy all of the boxes, but he won't. He will only buy boxes that contains amount of chocolates that can be divided by $K(0<K<=100000)$ since he has $K$ number of friends and wants to divide the chocolates equally without wasting any chocolates.

Now, you are given the value N and then N numbers indicating the amount of chocolates inside the N boxes. You have to answer some queries for Choco-moo. You will be given $\mathbf{Q}(\mathbf{0}<\mathbf{Q}<=$ 100000) queries.

In each query, Choco-moo will provide you with three integers, $\mathbf{A}, \mathbf{B}(\mathbf{0}<\mathbf{A}<=\mathbf{B}<=\mathbf{N})$ and $K$. Here $A$ and $B$ are index number and $K$ is the number of friends Choco-moo has. Now you have to find how many chocolate boxes Choco-moo can buy between Ath box to Bth box (inclusive)?

## Input

The first line contains an integer $\mathbf{T}(\mathbf{T}<=2)$, which is the number of test cases.
Each test case starts with a number $\mathbf{N}$. After that N positive numbers follow indicating amount of chocolates inside each box. After that an integer $\mathbf{Q}$ is provided indicating number of queries to be answered. Each query has three integers, A, B and K. The ranges of the variables are described in the description.

## Output

For each test case, print case number (Check sample output) and then for every query print the number of chocolate box Choco-moo can buy for his K friends from Ath box to Bth box (inclusive) in a newline.

## Example

## Input:

2

5

12345
2
151
152

152
353
252

## Output:

## Case 1:

5
2
Case 2:
3

2

2

Explanation: In Case 1: Query 1 Choco-moo buys all the boxes since all boxes are divisible by 1. In query 2 he buys second and fourth box since they are divisible by 2 ( 2 and 4 ).

Note: Let me know if you think the judge data is weak or there is ambigutiy/mistake in the problem statment.

