

# LRK

Jojo is given N integers,  $A_1, A_2, ..., A_N$  by his teacher. His teacher also give him an integer K and 2M integers,  $L_1, L_2, ..., L_M$  and  $R_1, R_2, ..., R_M$ . For each i from 1 to M, his teacher asked him to calculate the sum of multiple of K index numbers from index  $L_i$  to  $R_i$ . For example if  $L_i = 3$  and  $R_i = 10$  and K = 3, then he has to calculate the value of  $(A_3 + A_6 + A_9)$ . Help him by making the program to calculate it quickly!

#### Format Input

The first line consist of three integers, N, M, and K. The second line consist of N integers,  $A_1, A_2, ..., A_N$ . The next M lines consist of two integers,  $L_i$  and  $R_i$ .

## Format Output

Output M lines, the answer for  $L_i$  and  $R_i$ , where i is an integer from 1 to M.

#### Constraints

- $1 \le N, M \le 10^5$
- $\bullet \ 1 \le A_i \le 10^2$
- $1 \le K \le 10$
- $1 \le L_i \le R_i \le N$

## Sample Input 1 (standard input)

5 3 2 100 3 1 87 6 1 1 1 5 3 4

# Sample Output 1 (standard output)

0 90 87

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### LRK

Jojo diberikan N bilangan bulat,  $A_1, A_2, ..., A_N$  oleh gurunya. Gurunya juga memberinya sebuah bilangan bulat K dan 2M bilangan bulat,  $L_1, L_2, ..., L_M$  dan  $R_1, R_2, ..., R_M$ . Untuk setiap i dari 1 sampai M, gurunya menyuruhnya untuk menghitung jumlah bilangan pada index kelipatan K dari index  $L_i$  sampai  $R_i$ . Sebagi contoh, jika  $L_i = 3$  dan  $R_i = 10$ , maka ia harus menghitung nilai dari  $(A_3 + A_6 + A_9)$ . Bantu dia dengan cara membuat program untuk menghitungnya dengan cepat!

#### Format Input

Baris pertama terdiri dari tiga bilangan bulat, N, M, dan K. Baris kedua terdiri dari N bilangan bulat,  $A_1, A_2, ..., A_N$ . M baris selanjutnya terdiri dari 2 bilangan bulat,  $L_i$  and  $R_i$ .

## Format Output

Outputkan M baris, jawaban untuk  $L_i$  dan  $R_i$ , di mana i adalah bilangan bulat dari 1 sampai M.

#### **Constraints**

- $\bullet \ 1 \le N, M \le 10^5$
- $1 \le A_i \le 10^2$
- $1 \le K \le 10$
- $1 \le L_i \le R_i \le N$

# Sample Input 1 (standard input)

5 3 2 100 3 1 87 6 1 1 1 5 3 4

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# Sample Output 1 (standard output)

0		
90		
87		

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