

Programming assignment 6

Counting

Input (Standard input)

In the first line, the number of input keys N ($1 \leq N \leq 100000$) and the range of input keys M ($1 \leq M \leq 100000$) and number of query ranges K ($1 \leq K \leq 100000$) are given.

In the next K lines, two numbers $A[i]$ and $B[i]$ are given. ($1 \leq i \leq K$)

In the next N lines, a key is given in each line.

Output (Standard output)

print the number of keys in range $A[i] \leq \text{keys} \leq B[i]$. ($1 \leq i \leq K$)

[Example]

Input	Output
5 100 3	3
20 60	2
30 70	4
10 50	
10	
50	
40	
20	
80	

Description

1. File name must be Counting.cpp
2. Make a comment of your student ID, name and class in the first line of the source code.
ex) 2008601028_Honggildong_A or 2008601028_홍길동_A
3. Please keep the source code that you have submitted for some unexpected accident.