Extra Prefix sum

Problem
- You are given an array of N integers.
- You have to answer Q queries.
- Each query contains two integers L and R
- For each query print the sum of integers in array from index L to R

Input :
- First line will contain an integer T (number of test cases).
- T blocks of line follows.
- First line of each block contains an integer N (number of array elements).
- Next line contains N integers (array elements).
- Next line contains an integer Q (number of queries).
- Next Q lines contain two integers L and R

HINT:
- use prefix sum array.

Sample Input :
2 4 10 20 30
40 2 1 4 2 3 5
1 1 1 1 1 3 1 2
2 5 5 5

Sample Output:
100 50 2 4 1

Thank You