xorQueries

# pre[r]^pre[l-1]= (A0^A1^A2...AR)^(A1...AL^AL-1^....AR)

by property A^A=0

if l>0 = pre[r]^pre[l-1]

if l==0 = pre[r]

class Solution

{

public int[] xorQueries(int[] arr, int[][] q)

{

int n=arr.length;

int[] result=new int[q.length];

int[] pre=new int[n+1];

pre[0]=arr[0];

for(int i=1 ;i<n;i++)

{

pre[i]=pre[i-1]^arr[i];

}

for(int i=0 ;i<result.length ;i++)

{

int l=q[i][0];

int r=q[i][1];

if(l==0)

result[i]=pre[r];

else

result[i]=pre[r]^pre[l-1];

}

return result;

}

}