**XOR of all elements**

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Given an array A[] having n positive elements. The task to create another array B[] such as B[i] is XOR of all elements of array A[] except A[i].

Examples:

Input : A[] = {2, 1, 5, 9}

Output : B[] = {13, 14, 10, 6}

Input : A[] = {2, 1, 3, 6}

Output : B[] = {4, 7, 5, 0}

**Input:**  
The first line of input contains an integer T denoting the no of test cases. Then T test cases follow. Each test case contains an integer N denoting the size of the array. Then in the next line are N space separated values of the array (B[]).  
  
**Output:**  
For each test case in a new line print the space separated values of the new array (B[]).   
  
**Constraints:**  
1<=T<=100  
1<=N<=100  
1<=A[]<=100  
  
**Example:**  
2  
4  
2 1 5 9  
4  
2 1 3 6  
**Output:**  
13 14 10 6  
4 7 5 0

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problems/xor-of-all-elements/0>

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package javaapplication250;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.Arrays;

import java.util.HashMap;

import java.util.HashSet;

import java.util.LinkedHashSet;

/\*\*

\*

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\*/

public class JavaApplication250 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int n = Integer.parseInt(br.readLine());

String[] input = br.readLine().trim().split( " ");

int[] arr = new int[n];

for(int i =0; i< n; i++) {

arr[i] = Integer.parseInt(input[i]);

}

int xor =0;

for(int i =0; i<n; i++) {

xor ^= arr[i];

}

int b[] = new int[n];

for(int i =0; i<n; i++) {

b[i] = xor ^ arr[i];

}

for(int i =0; i<n; i++) {

System.out.print(b[i] + " ");

}

System.out.println();

}

}

}