## x-Xor It!

Given an array of n integers and a number x . Your task is very simple. You have to find the subarray (length>0) whose xor is maximum with $x$. lets say the subarray as maxsubarray.You have to print the xor value of maxsubarray.

## Input

first line of input consists of test cases
second line of input contains two integers $n$ and $x$.
third line contains n space separated integers denoting the elements of array

## Output

first and only line of output is Xor value of maxsubarray.

## Constraints

$1<=t<=10$
$1<=n<=200000$
$1<=x<=2^{*} 10^{\wedge} 9$
$1<=\operatorname{arr}[i]<=2^{\star} 10^{\wedge} 9$ where $\operatorname{arr}[i]$ is any integer of array

## Example

## Input:

1
37
123
Output:
0
taking $1^{\wedge} 2^{\wedge} 3$ is 0 when taken xor with 7 gives us the maxmimum xor value.

