[B - Triple Trouble](https://vjudge.net/problem/HackerRank-si-triple-trouble)

Given an array of size 3X+1, where every element occurs three times, except one element, which occurs only once. Find the element that occurs only once.

**Input Format**

First line of input contains T - number of test cases. Its followed by 2T lines, the first line contains N - the size of the array (of the form 3X + 1) and second line contains the elements of the array.

**Constraints**

1 <= T <= 300  
1 <= N <= 104  
1 <= A[i] <= 109

**Output Format**

For each test case, print the number which occurs only once, separated by new line.

**Sample Input 0**

2

10

5 7 8 7 7 5 5 9 8 8

7

10 20 20 30 20 10 10

**Sample Output 0**

9

30

**Explanation 0**

Self Explanatory

#include <map>

#include <vector>

#include <string>

#include <iostream>

using namespace *std*;

int main()

{

*ios*::*sync\_with\_stdio*(0);

*cin*.*tie*(0);

*cout*.*tie*(0);

int t; *cin* >> t;

while (t--)

{

int n; *cin* >> n;

*map*<int, int> mp;

for (auto i = 0; i < n; i++)

{

int ele; *cin* >> ele;

mp[ele] += 1;

}

for (auto& it : mp) {

if (it.*second* == 1) {

*cout* << it.*first* << '\n';

break;

}

}

}

return 0;

}