**UNIQUE NUMBER - III**

We are given an array containg n numbers. All the numbers are present thrice except for one number which is only present once. Find the unique number. Only use - bitwise operators, and no extra space.

**Input Format:**

First line contains the number n. Second line contains n space separated number.

**Constraints:**

N < 10^5

**Output Format**

Output a single line containing the unique number

**Sample Input**

7

1 1 1 2 2 2 3

**Sample Output**

3

Program-

#include<iostream>

#include<math.h>

using namespace std;

int main()

{

int cnt[64]={0};

int n,no,i,ans=0;

cin>>n;

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

{

cin>>no;

int j=0;

while(no>0)

{

int last\_bit=(no&1);

cnt[j]=cnt[j]+last\_bit;

j++;

no=no>>1;

}

}

for(i=0;i<64;i++)

{

cnt[i]=cnt[i]%3;

}

for(i=0;i<64;i++)

{

ans=ans+(pow(2,i)\*cnt[i]);

}

cout<<ans<<endl;

}