#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

int main() {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT \*/

int n;

cin>>n;

int a[n];

for(int i=0;i<n;i++) cin>>a[i];

int num1=1,num2=2,wait=3,flag=0;

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

if(a[i]!=num1&&a[i]!=num2){

flag=1;break;

}

num1=a[i];

num2=wait;

if(a[i]==3 ){

wait=3-wait;continue;}

if(wait==3){

wait=3-a[i];continue;}

else

wait=3;

}

if(flag==0)

cout<<"YES"<<endl;

else

cout<<"NO"<<endl;

return 0;

}