

```

406410114    UVA10193 All You Need Is Love
// input N
// N case 2*N
// one first
//27 24 21 18 15 12 9 6 3 0

```

```

#include <bits/stdc++.h>
using namespace std;

int gcd ( int a ,int b ){
    while ( b != 0 ){
        int t = a%b;
        a = b;
        b = t;
    }///while

    return a;
}///gcd

int main(){
    int i,j,k,n;
    string str1,str2;
    cin >>n;
    getchar();
    for ( i = 0 ; i <n ;i++ ){
        getline(cin,str1);
        getline(cin,str2);
        //cout << str1[0];

        int num1 = 0,num2 = 0;
        int len1 = str1.length();
        int len2 = str2.length();
        int two_count = 1;
        for ( j = len1-1; j >=0;j-- ){
            if ( str1[j] == '1' )
                num1 += two_count;
            two_count*=2;
        }///for

        two_count = 1;
        for ( j = len2-1; j >=0;j-- ){
            if ( str2[j] == '1' )
                num2 += two_count;
            two_count*=2;
        }///for

        cout << "Pair #" << i+1<< ": " ;
        if ( gcd(num1,num2) == 1 )
            cout << "Love is not all you need!\n";
        else
            cout << "All you need is love!\n";

    }///for

    return 0;
}///main()

```