#include<bits/stdc++.h>

using namespace std;

int main(){

while (true) {

double a,b,c,d;

cin>>a;

if (a==-1) break;

cin>>b>>c>>d;

int tg=(a+b+c+d);

cout<<tg%2<<endl;

//cout<<10<<endl;

}

return 0;

}