import java.util.Scanner;

public class Main {

    public static int primeFactors(long n)

{ int sum= 0 ;

while (n%2==0)

{

sum+=2;

n /= 2;

}

for (int i = 3; i <= Math.sqrt(n); i+= 2)

{

while (n%i == 0)

{

    sum+=i;

    n /= i;

}

}

if (n > 2)

sum+=n ;

return sum ;

}

    public static void main(String[] args) {

Scanner scn = new Scanner(System.in) ;

long N= scn.nextLong();

int sod=0;

long temp=N ;

while(temp!=0)

{

sod+=temp%10;

temp/=10;

}

for(int i=2;i\*i<=N;i++)

if(N%i==0)

{

int count=0;

while(N%i==0)

{

N/=i;

count++;

}

int sum=0;

temp=i;

while(temp!=0)

{

sum+=temp%10;

temp/=10;

}

sod-=sum\*count;

}

if(N!=1)

{

int sum=0;

temp=N;

while(temp!=0)

{

sum+=temp%10;

temp/=10;

}

sod-=sum;

}

if(sod==0)

System.out.println("1");

else

     System.out.println("0");

}

    }