import java.util.\*;

public class Main {

static boolean arm(int n){

int t=n;

int c=0;

int s=0;

while(t!=0){

t/=10;

c++;

}

int f=n;

while(f!=0){

s+=Math.pow(f%10,c);

f/=10;

}if(s==n){

return true;

}

else{

return false;

}

}

public static void main(String args[]) {

Scanner jk=new Scanner(System.in);

int n=jk.nextInt();

System.out.println(arm(n));

}

}