import java.io.\*;

public class Armstrong

{

public static void main(String[] args)throws IOException

{

int c=0,a,temp;

int n;

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

System.out.println("Enter first number ::");

n=Integer.parseInt(br.readLine());

temp=n;

while(n>0)

{

a=n%10;

n=n/10;

c=c+(a\*a\*a);

}

if(temp==c)

System.out.println("armstrong number");

else

System.out.println("Not armstrong number");

}

}