#program to print whether it is strong number or not

num=int(input("Enter a number:"))

temp=num

sum=0

while(num):

i=1

fact=1

rem=num%10

while(i<=rem):

fact=fact\*i

i=i+1

sum=sum+fact

num=num//10

if(sum==temp):

print("strong number")

else:

print("not a strong number")