st=str(input())

inputstr=[]

for i in range(len(st)):

inputstr.append(st[i])

def isPalindrome(s):

return s == s[::-1]

i=0

j=i+1

c=0

while i<len(inputstr)-2:

x=[]

y=[]

z=[]

for k in range(j+1,len(inputstr)):

x.append(inputstr[k])

if isPalindrome(x):

y=inputstr[i+1:j+1]

if isPalindrome(y):

z=inputstr[0:i+1]

if isPalindrome(z):

c=1

break

else:

i+=1

j=i+1

else:

j+=1

else:

j+=1

if j>len(inputstr)-1:

i+=1

j=i+1

if c==0:

print("Impossible")

else:

str1=''

print(str1.join(z))

str1=''

print(str1.join(y))

str1=''

print(str1.join(x))