def mlist(numberList,max):

menorList=[]

for x in numberList:

if (x<max):

menorList.append(x)

return menorList

def fibonacci(N):

y=1

z=0

x=0

w=0

numberList=[]

if (n==1):

numberList.append(z)

if(n==2):

numberList.append(z)

numberList.append(y)

if (n>2):

numberList.append(z)

numberList.append(y)

for x in range(2,N):

w=0+y+z

numberList.append(w)

z=y

y=w

return numberList

def main():

n=int(input("cuantos números de Fibonacci necesita?"))

numberList=fibonacci(n)

print(numberList)

max=float(input("introduce el número máximo "))

menorlist=mlist(numberList,max)

print(menorlist)

main()