#

import math

num=int(input())#9

square=math.sqrt(num)#sqrt of 9=3

if square==int(square):

print(num,"is a perfect square")

else:

print(num,"is not a perfect square")

#

n1=int(input())

n2=int(input())

for i in range(0,n1):

for j in range(0,n2):

if i==0 or j==0 or i==n1-1 or j==n2-1:

print(1,end="")

else:

print(0,end="")

print()

#

n=int(input())

for i in range(1,n+1):

print("\*".join(str(i)\*i))

for i in range(n,0,-1):

print("\*".join(str(i)\*i))