#

m,n=map(int,input().split())#row and column(2 2)

matrix1=[]

for i in range(m):

L=list(map(int,input().split()))#1 2

matrix1.append(L) #3 4

matrix2=[]

for i in range(n):

L=list(map(int,input().split()))#5 6

matrix2.append(L) #7 8

for i in range(n):#i--0

for j in range(n):#j--0

add=matrix1[i][j]+matrix2[i][j]#matrix1[0][0]+matrix2[0][0]

print(add,end=" ") #1+5=6

print()

#

row,column=map(int,input().split())

a=[]

for i in range(row):

L=list(map(int,input().split()))

a.append(L)

maxi=a[0][0]

for i in a:

for j in i:

if j>maxi:

maxi=j

print("Maximum element=",maxi)

#

row,column=map(int,input().split())

arr=[]

for i in range(row):

L=list(map(int,input().split()))

arr.append(L)

flag=True

for i in range(row):

for j in range(column):

if arr[i][j]!=arr[j][i]:

flag=False

break

if flag:

print("Symmetric matrix")

else:

print("Not a Symmetric matrix")