def CSP(list1,tables):

for i in list1:

if i in tables:

return False

return True

n=int(input("enter number of people"))

c=int(input("Enter the no of tables"))

list1={}

tables={}

for i in range(c):

tables[i]=[]

for i in range(n):

list1[i]=[]

print("give the people who cant sit with each other: Type EXIT to exit")

while True:

choice=input()

if choice=="EXIT" or choice=="exit":

break

a,b=map(int,choice.split())

list1[a].append(b)

list1[b].append(a)

flag1= True

for i in range (n):

flag=False

for j in range(c):

if CSP(list1[i],tables[j]):

flag= True

tables[j].append(i)

break

if flag==False:

print("No arrangements can be made for the given constraints")

flag1=False

break

if flag1:

print(tables)