"""

generar ejemplos aleatorios de estudio para el tfg

"""

import random

def exist(dimension):

result = " "

for i in range(dimension):

result += str(i) + " "

if len(i) == 1:

result += " "

for j in range(dimension):

result += "\n" + str(j) + " "

for k in range(dimension):

r = random.random()

e = "0"

if r > 0.85:

e = "1"

if k<=j :

e = "0"

result += e + " "

return result

print(exist(30));