from random import randint

fb\_f = open('facebook\_members.csv', 'r')

ifw\_f = open('isFriendsWith.csv', 'w')

ifw\_f.write("nameFrom|nameTo|affinityScore\n")

fb\_f.readline()

names = []

for line in fb\_f:

name = line.partition("|")[0]

names.append(name)

fromToPairs = {}

for nameFrom in names:

# skip some vertices randomly

if (randint(0,100) > 15):

#people will have between one and five friends

for x in xrange(1, randint(1,5)):

# pick a random name as nameTo

nameTo = names[randint(0, len(names)-1)]

# check that the two names are not the same or that they are not already friends in the opposite way

alreadyFriendName = fromToPairs.get(nameTo, "NA")

if ((nameFrom is not nameTo) and ((alreadyFriendName is "NA") or (alreadyFriendName is not nameFrom))):

fromToPairs[nameFrom] = nameTo

affinityScore = randint(0,50)

ifw\_f.write(nameFrom + "|" + nameTo + "|" + str(affinityScore) + "\n")

fb\_f.close()

ifw\_f.close()