from random import randint

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

irt\_f = open('isRelatedTo.csv', 'w')

irt\_f.write("nameFrom|nameTo|relationshipType\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):

# 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 related in the opposite way

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

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

fromToPairs[nameFrom] = nameTo

relationshipType = "parent" if (randint(0,10)%2 == 0) else "sibling"

irt\_f.write(nameFrom + "|" + nameTo + "|" + relationshipType + "\n")

fb\_f.close()

irt\_f.close()