#!/usr/bin/python

import re

import sys

from optparse import OptionParser

import locale

import string

class comm:

def \_\_init\_\_(self, filename1, filename2, unsorted):

if filename1 != "-":

f = open (filename1, 'r')

self.lines1 = f.read().strip().split('\n')

f.close ()

if filename1 == "-":

self.lines1 = sys.stdin.read().split('\n')

if filename2 != "-":

g = open (filename2, 'r')

self.lines2 = g.read().strip().split('\n')

g.close ()

if filename2 == "-":

self.lines2 = sys.stdin.read().split('\n')

self.p = re.compile(' \*')

self.list1 = []

self.list2 = []

self.list3 = []

self.unsorted = unsorted

self.finallist1 = []

def compare (self):

i = 0

j = 0

if self.unsorted == True:

for i in range(len(self.lines1)):

for j in range(len(self.lines2)):

if self.lines1[i] == self.lines2[j]:

self.list1.append(" ")

self.list2.append(" ")

self.list3.append(self.lines1[i])

del(self.lines2[j])

break

elif j == len(self.lines2) - 1:

self.list1.append(self.lines1[i])

self.list2.append("")

self.list3.append("")

else:

continue

for k in range(len(self.lines2)):

self.list1.append(" ")

self.list3.append("")

self.list2 += self.lines2

if self.unsorted == False:

if self.lines1 != sorted(self.lines1):

sys.stderr.write('comm.py: unsorted file1\n')

if self.lines1 != sorted(self.lines1):

sys.stderr.write('comm.py: unsorted file2\n')

while i < len(self.lines1) and j < len(self.lines2):

if self.lines1[i] == self.lines2[j]:

self.list1.append(" ")

self.list2.append(" ")

self.list3.append(self.lines1[i])

i += 1

j += 1

elif self.lines1[i] < self.lines2[j]:

self.list1.append(self.lines1[i])

self.list2.append("")

self.list3.append("")

i += 1

else:

self.list1.append(" ")

self.list2.append(self.lines2[j])

self.list3.append("")

j += 1

while i == len(self.lines1) and j < len(self.lines2):

self.list2.append(self.lines2[j])

self.list1.append(" ")

self.list3.append("")

j += 1

while i < len(self.lines1) and j == len(self.lines2):

self.list1.append(self.lines1[i])

self.list2.append("")

self.list3.append("")

i += 1

def finalprint(self, sup1, sup2, sup3):

if sup1 == True:

for i in range(len(self.list1)):

self.list1[i] = ""

if sup2 == True:

for i in range(len(self.list2)):

self.list2[i] = ""

if sup3 == True:

for i in range(len(self.list3)):

self.list3[i] = ""

for i in range(len(self.list1)):

if (self.list1[i] == "" or self.list1[i] == " ") and (self.list2[i] == "" or self.list2[i] == " ") and (self.list3[i] == "" or self.list3[i] == " "):

continue

else:

print(self.list1[i] + self.list2[i] + self.list3[i])

def main():

version\_msg = "%prog 2.0"

usage\_msg = """%prog [OPTION]... FILE: Output randomly selected lines from FILE."""

parser = OptionParser(version=version\_msg, usage=usage\_msg)

parser.add\_option("-u", action="store\_true", dest="unsorted", default=False, help="Used on unsorted lists")

parser.add\_option("-1", action="store\_true", dest="sup1", default=False, help="This flag suppresses the first column")

parser.add\_option("-2", action="store\_true", dest="sup2", default=False, help="This flag suppresses the second column")

parser.add\_option("-3", action="store\_true", dest="sup3", default=False, help="This flag suppresses the third column")

options, args = parser.parse\_args(sys.argv[1:])

try:

unsorted = bool(options.unsorted)

sup1 = bool(options.sup1)

sup2 = bool(options.sup2)

sup3 = bool(options.sup3)

except:

parser.error("invalid unsorted: {0}")

input1 = args[0]

input2 = args[1]

if len(args) != 2:

parser.error("incorrect number of inputs, must be 2 files")

comp = comm(input1, input2, unsorted)

comp.compare()

comp.finalprint(sup1, sup2, sup3)

if \_\_name\_\_ == "\_\_main\_\_":

main()