import math

import os

import random

import re

import sys

# Complete the countSort function below.

def countSort(arr):

for i in range(len(arr)//2):

arr[i][1]='-'

a=[0]\*100

for i in arr:

i[0]=int(i[0])

for i in arr:

if(a[i[0]]==0):

a[i[0]]=[i[1]]

else:

a[i[0]].append(i[1])

for i in a:

if(i!=0):

for j in i:

print(j,end=" ")

if \_\_name\_\_ == '\_\_main\_\_':

n = int(input().strip())

arr = []

for \_ in range(n):

arr.append(input().rstrip().split())

countSort(arr)

