ENG19C30069

5) a) Input

3

1 2

2 2

8 7

2

3 3

4 4

when key does not exist in data 1, the key-value pair is not added to it.

b) if k in data1:

v_1 = data 1[k]

if $v_1 != v_2$:

deepkeys[k] = [v_1, v_2]

del data 1[k]

else:

data1[k] = v_2

c) def uniqueupdate(data1, data2):

initially empty dictionary.

dupkeys = {}

examine every (K, V2) pair in data2

for [k, v2] in data2:

check if there is a key value.

Pair with key = k in data1

if k in data1:

V_1 = data1[k]

(k, v_1) in dict1

check if v_1 != V_2

If v_1 != v_2:

#add (k, [V_1, V_2])

dupkeys [k] = [V_1, V_2]

del data1[k]

else:

data1[k] = V_2

return dupkeys.