⑤.

⑤a ⇒ Input ⇒

```
3              when key does not exist
1  2           in data 1, the key-value
2  2           pair is not added to it
8  7
2
3  3
4  4
```

⑤b: if k in data1:

$$V_1 = data1[k]$$
$$if \; V_1 \; != V_2 :$$
$$dupkey[k] = [V_1, V_2]$$
$$del \; data1[k]$$
else:
$$data1[k] = V_2$$

⑤c ⇒

Test case 1 ⇒

```
4
1   2
14  14
3   8
4   9
2
3   3
4   4
```

Test case 2 ⇒

```
4
1  2
2  2
3  3
4
```

Test case 3 :-

The test case written in
5a, which breaks the initially
written code can be written.