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SECTION-5

⑤ a)
```
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:
            V1 = data1[k]
            # (k, V1) in dict 1
            # check if V1 != V2
            if V1 != V2:
                # Add (k, [V1, V2])
                # to dictionary
                dupkeys[k] = [V1, V2]
                # Remove(k, V1) from
data1

                del data1[k]
            else:
                # Add (k, V2) to data 1
                data1[k] = V2

    # After processing all (k, V2) in
    # data 2, return the dictionary
    return dupkeys.
```

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⑤ b)
```
If k in data1:
    V1 = data1[k]
    if V1 != V2:
        dupkeys[k] = [V1, V2]
        del data1[k]
    else:
        data1[k] = V2
return dupkeys.
```

⑤ c)

TEST CASE 1

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

TEST CASE-2

```
4
1  2
2  2
3  3
4  19
2
3  3
4  19
```

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TEST CASE-3

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