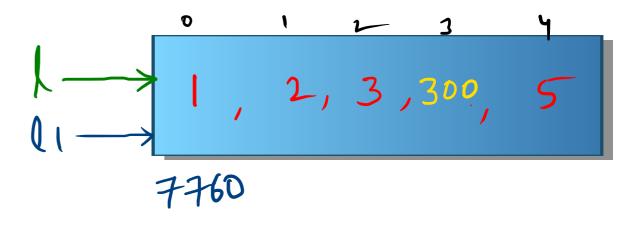
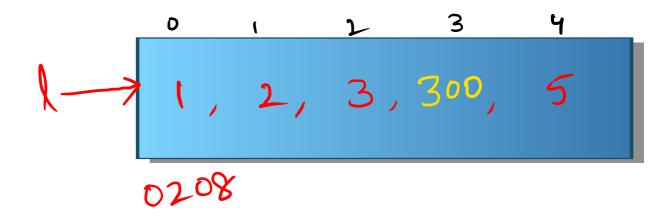
```
l = [1,2,3,4,5]
l1 = l
print('before modification')
print(l, id(l))
print(l1, id(l1))
l[3] = 300
print('after modification')
print(l, id(l))
print(l, id(l))
```

before modification [1, 2, 3, 4, 5] 140647825717760 [1, 2, 3, 4, 5] 140647825717760 after modification [1, 2, 3, 300, 5] 140647825717760 [1, 2, 3, 300, 5] 140647825717760



```
l = [1,2,3,4,5]
l1 = l.copy()
print('before modification')
print(l, id(l))
print(l1, id(l1))
l[3] = 300
print('after modification')
print(l, id(l))
print(l, id(l))
```

```
before modification
[1, 2, 3, 4, 5] 140647826190208
[1, 2, 3, 4, 5] 140648027347392
after modification
[1, 2, 3, 300, 5] 140647826190208
[1, 2, 3, 4, 5] 140648027347392
```



$$1 \rightarrow 1, 2, 3, 4, 5$$
 7392

```
1 = [1,2,[3,4,5],6,7]
11 = 1.copy()
print('before modification')
print(1, id(1))
print(11, id(11))
1[2][1] = 300
print('after modification')
print(1,id(1))
print(11, id(11))
```

1 = [1,2,[3,4,5],6,7]11 = 1.copy()

```
before modification
                                                   after modification
1 = [1, 2, [3, 4, 5], 6, 7] 140647825799808
                                                   1 = [1, 2, [3, 300, 5], 6, 7]
1 9793088
                                                   1 9793088
2 9793120
                                                   2 9793120
[3, 4, 5] 140647825799680
                                                   [3, 300, 5] 140647825799680
6 9793248
                                                   6 9793248
7 9793280
                                                   7 9793280
1[2] = [3, 4, 5] 140647825799680
                                                   1[2] = [3, 300, 5] 140647825799680
3 9793152
                                                   3 9793152
                                                    300 140647826139312
4 9793184
5 9793216
                                                    5 9793216
                                                   11 = [1, 2, [3, 300, 5], 6, 7] 140647825799488
11 = [1, 2, [3, 4, 5], 6, 7] 140647825799488
1 9793088
                                                    1 9793088
2 9793120
                                                   2 9793120
[3, 4, 5] 140647825799680
                                                   [3, 300, 5] 140647825799680
6 9793248
                                                   6 9793248
7 9793280
                                                   7 9793280
11[2] = [3, 4, 5] 140647825799680
                                                   11[2] = [3, 300, 5] 140647825799680
3 9793152
                                                   3 9793152
                                                    300 140647826139312
4 9793184
5 9793216
                                                    5 9793216
```

