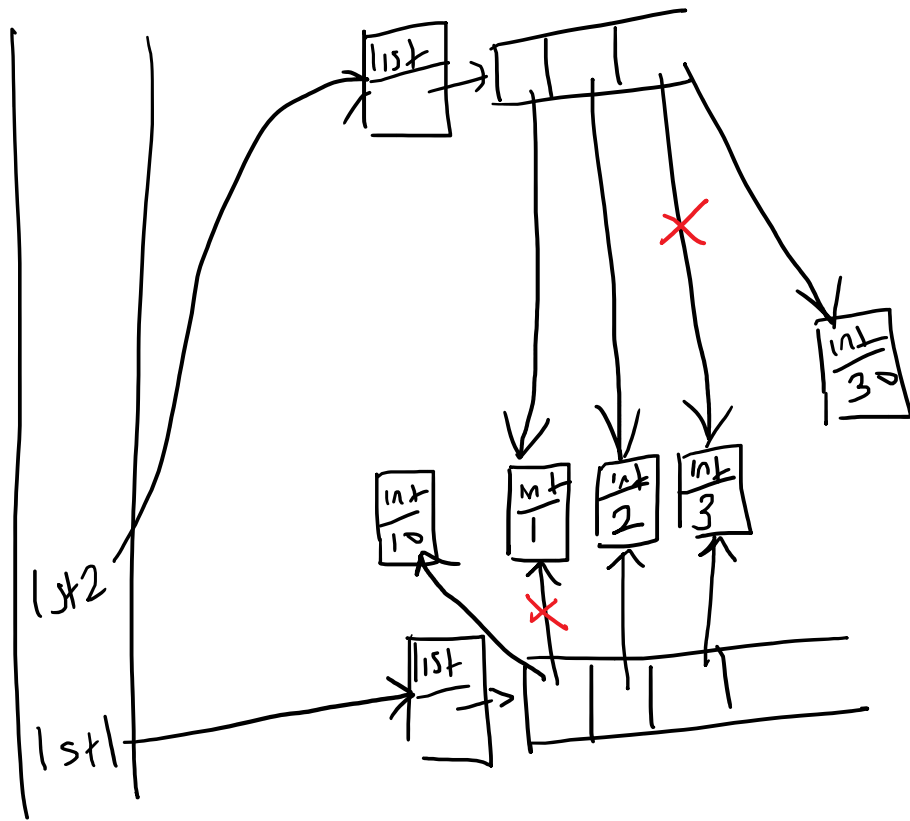# Memory Maps - Shallow Copy #1

```
#1
lst1 = [1, 2, 3]
lst2 = lst1.copy()
lst1[0] = 10
lst2[2] = 30
print("lst1 =", lst1)
print("lst2 =", lst2)
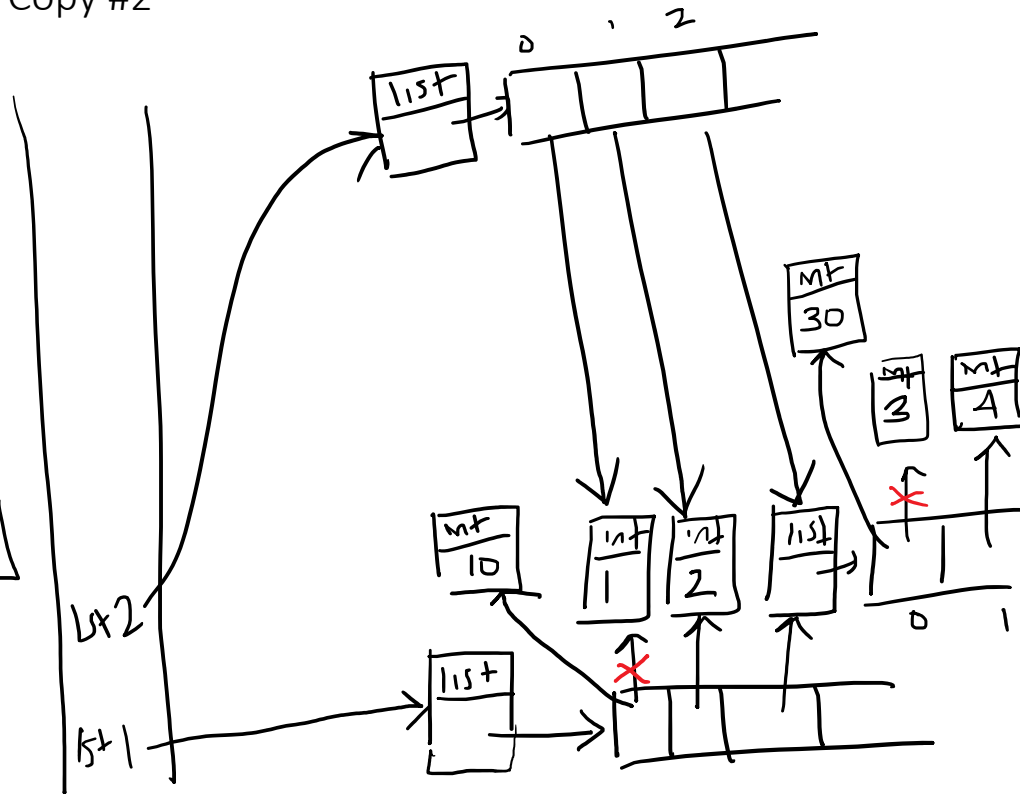```

lst1 = [10, 2, 3]

lst2 = [1, 2, 30]

# Memory Maps - Shallow Copy #2

```
#2
lst1 = [1, 2, [3, 4]]
lst2 = lst1.copy()
lst1[0] = 10
lst2[2][0] = 30
print("lst1 =", lst1)
print("lst2 =", lst2)
```

$lst1 = [10, 2, [30, 4]]$

$lst2 = [1, 2, [30, 4]]$

Memory Maps - Deep Copy #3

```python
import copy
lst1 = [1, 2, [3, 4]]
lst2 = copy.deepcopy(lst1)
lst1[0] = 10
lst2[2][0] = 30
print("lst1 =", lst1)
print("lst2 =", lst2)
```

lst1 = [10, 2, [3, 4]]

lst2 = [1, 2, [30, 4]]