DSA through C++

# Assignment-7,8

Doubt Class

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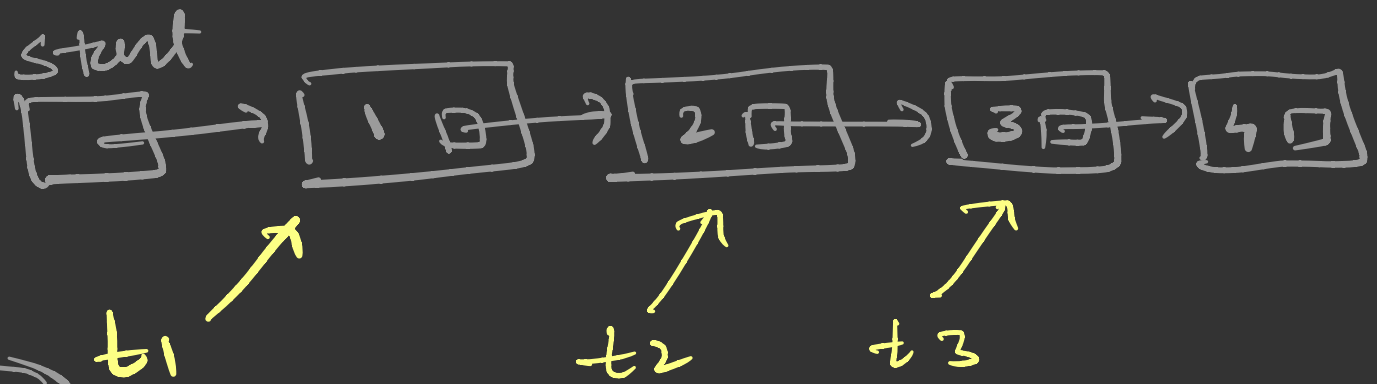
Ass. 7

Q. 1 Simple traversing is required

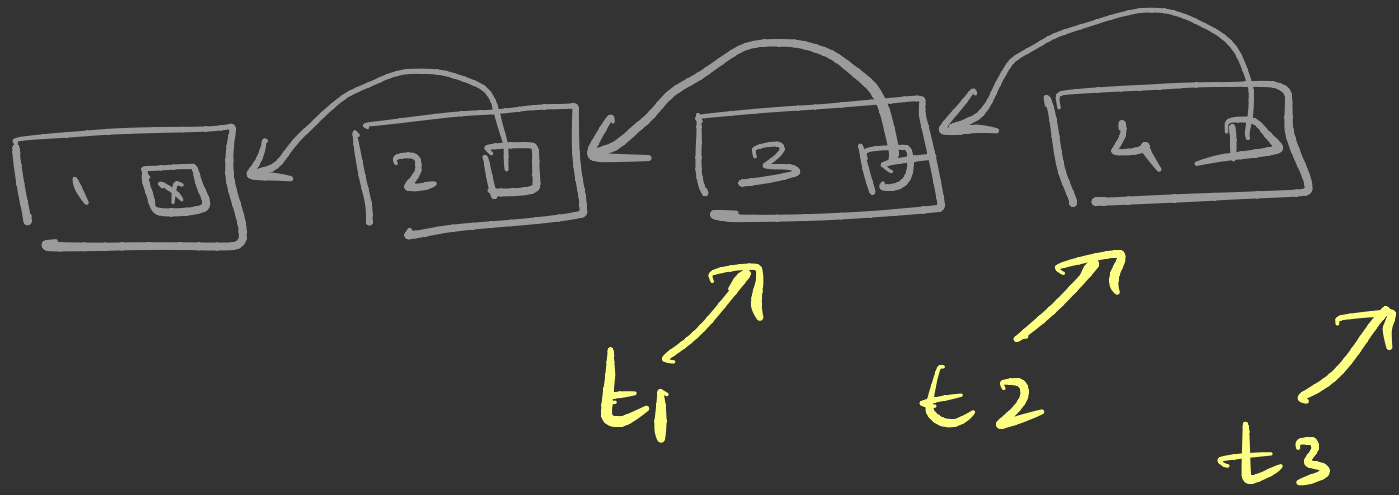
Q. 2



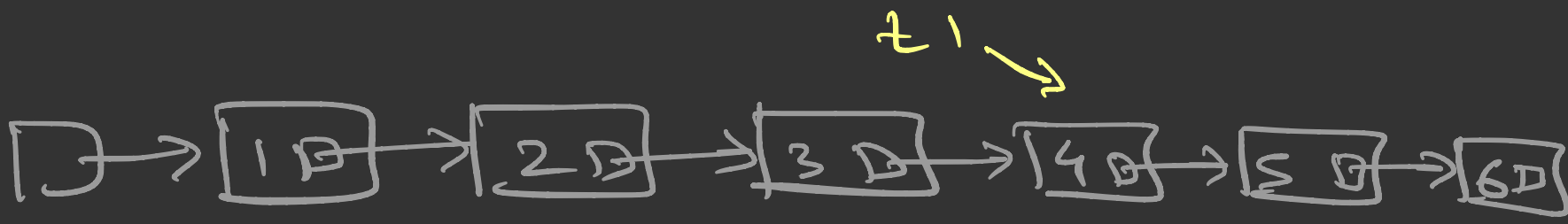

loop

```
t2->next = t1;
```

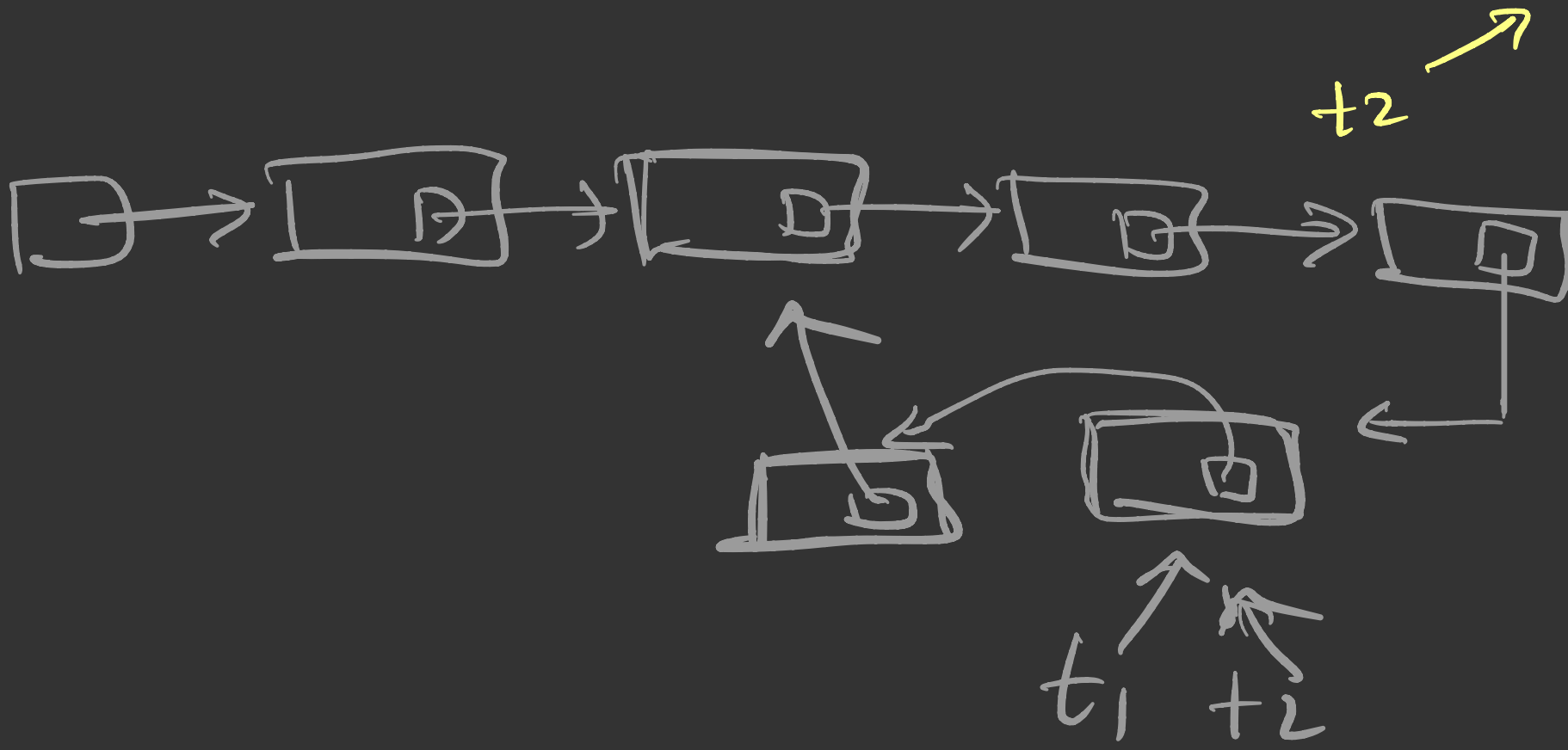
start = t2;



Q. 3




Q. 4



Q.6

$1 \rightarrow 3 \rightarrow 5 \rightarrow 9$

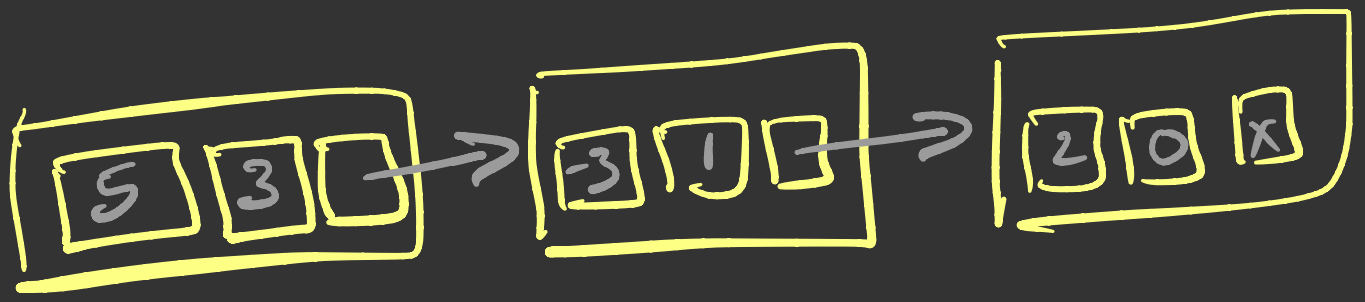
$2 \rightarrow 6 \rightarrow 7 \rightarrow 8$

$1 \rightarrow 2 \rightarrow 3 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8 \rightarrow 9$

Q.7

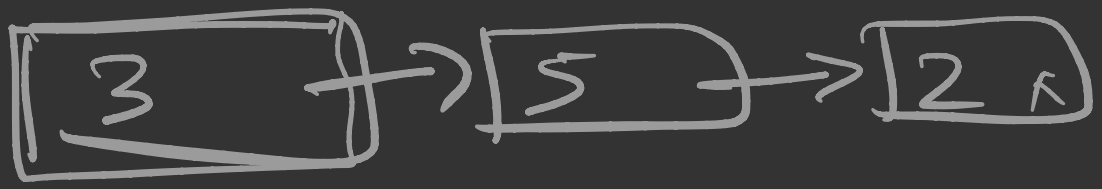
$5x^3 - 3x + 2$

$4x^2 + 5x + 7$

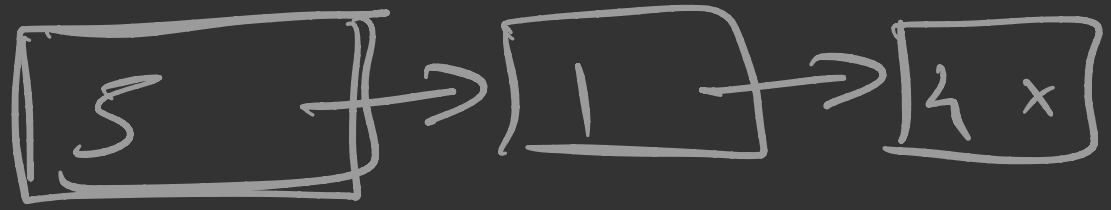


10

253




415




253
415
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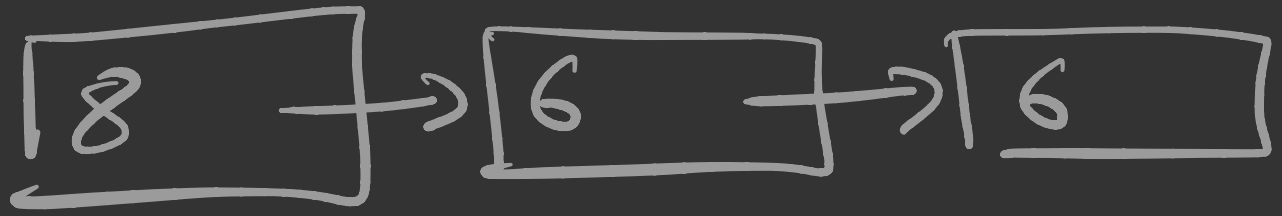
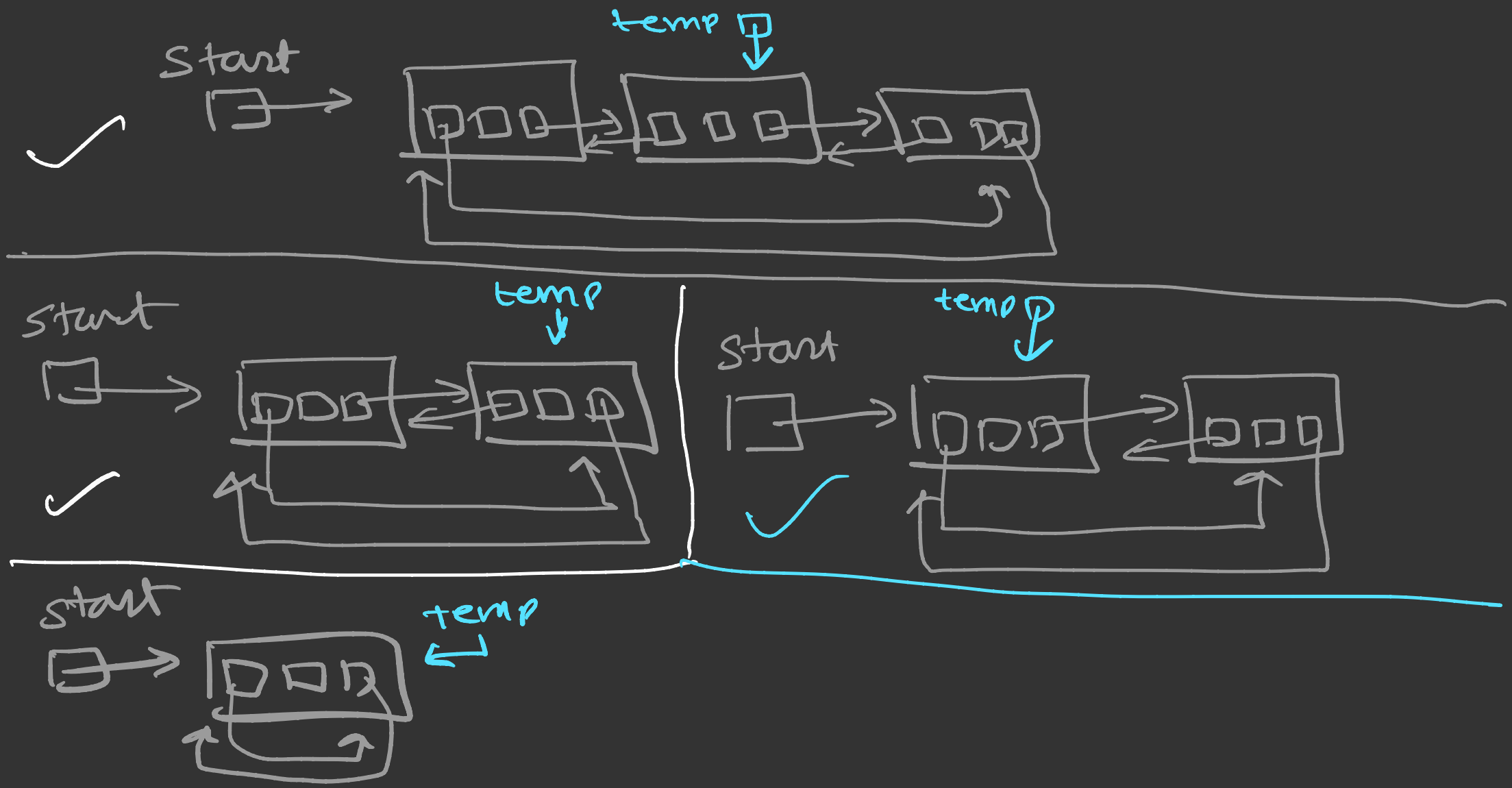
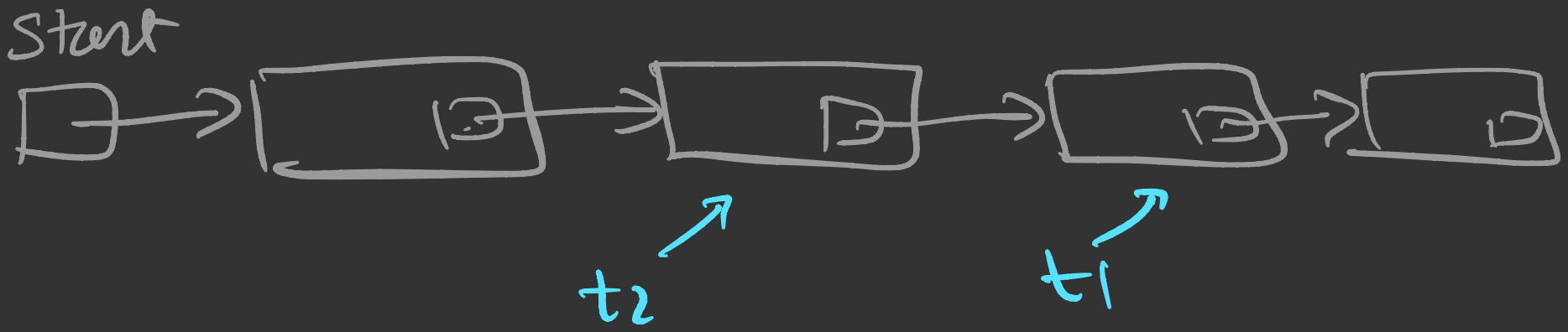
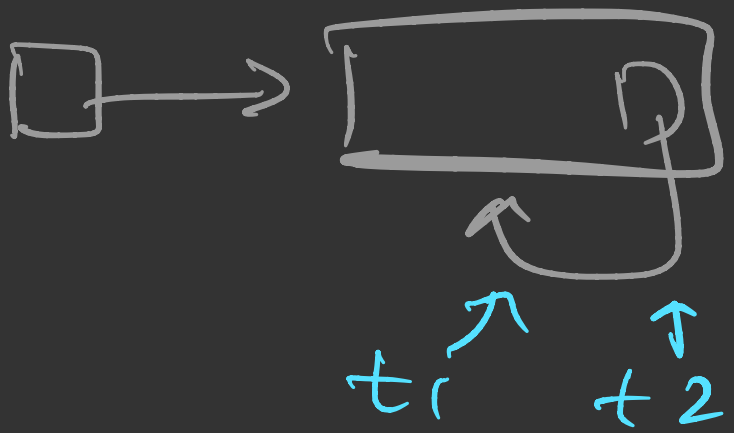
668



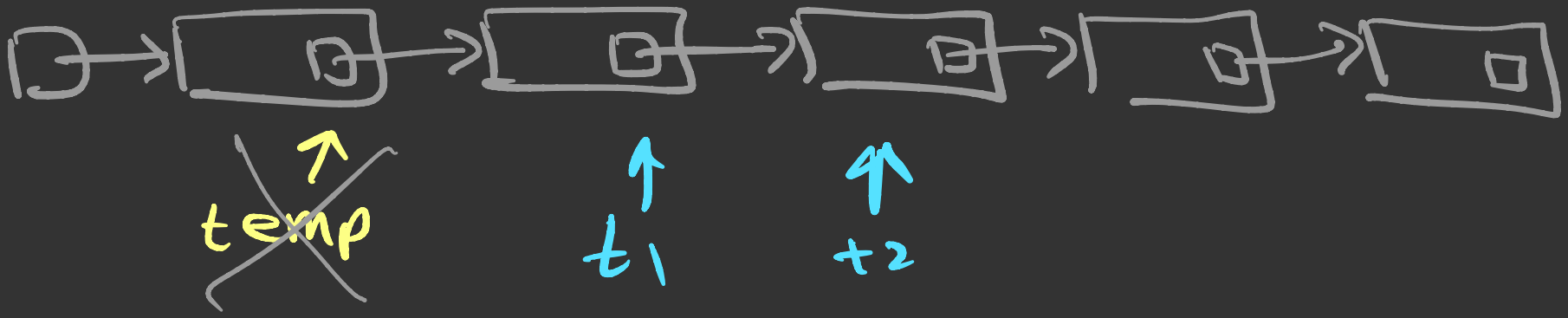



```
temp->prev->next = temp->next;
temp->next->prev = temp->prev;
delete temp;
```


Start
t2
t1

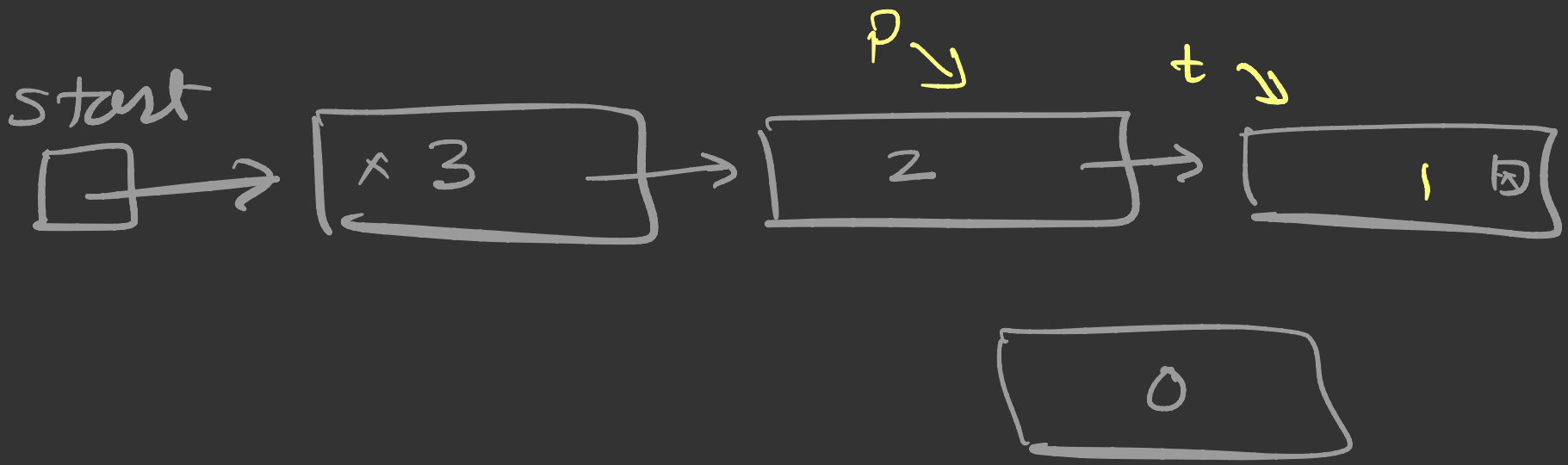

t1
t2

# Sorting




~~if~~ if t1 is not first node then traverse linked list to obtain address of previous node of t1

```
x = t1 -> item;
t1 -> item = t2 -> item;
t2 -> item = x;
```


start
3
2
1
p
t
0