极客时间

面试知识点解析

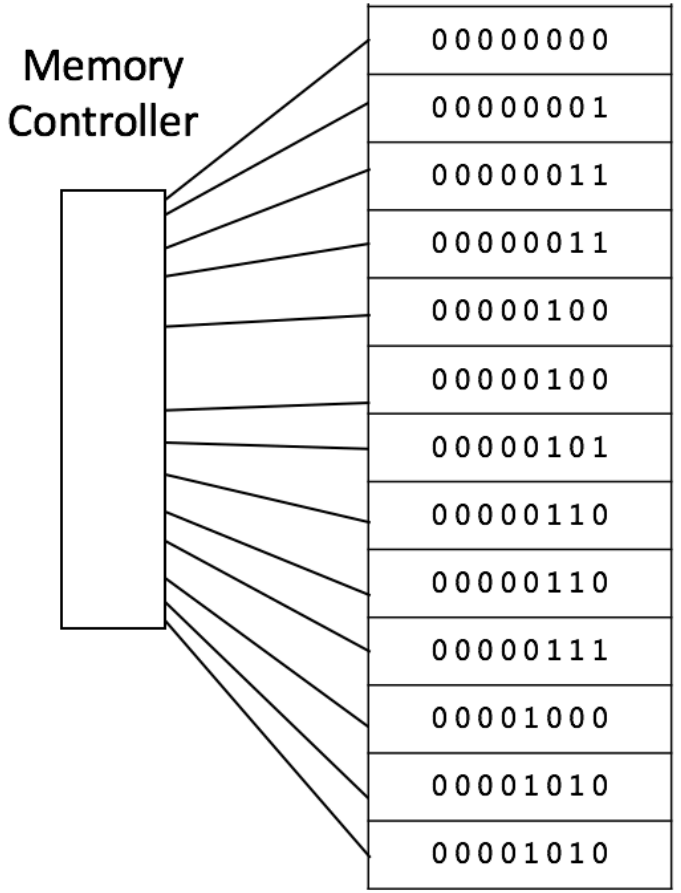
数组、链表（Array、Linked List）

极客时间

扫码了解极客时间《算法面试通关40讲》视频课程

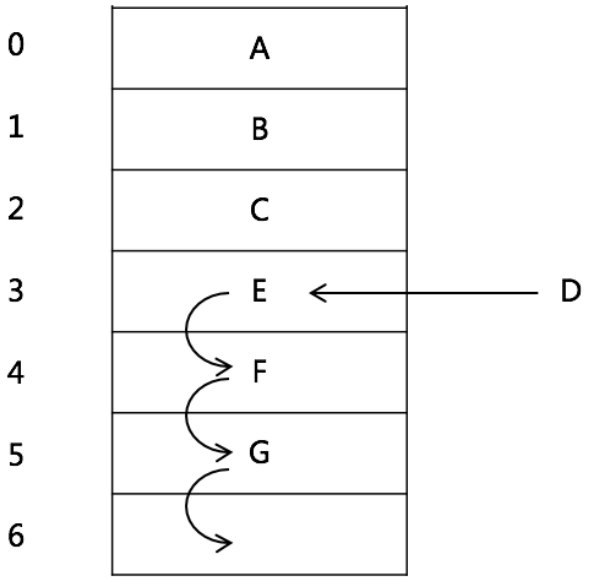
Array

0	00000011
1	00000001
2	00000101
3	00000100
4	00000011
5	00000000
6	00000000
7	00000000
8	00000000

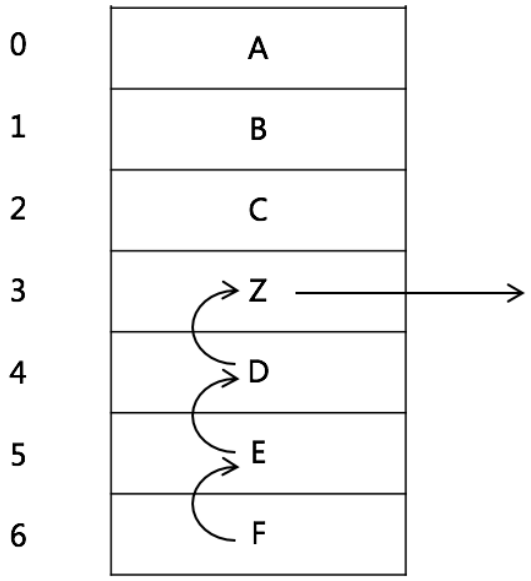


Array

Inserting



Deleting



Array

- Access: O(1)
- Insert: 平均 O(n)
- Delete: 平均 O(n)

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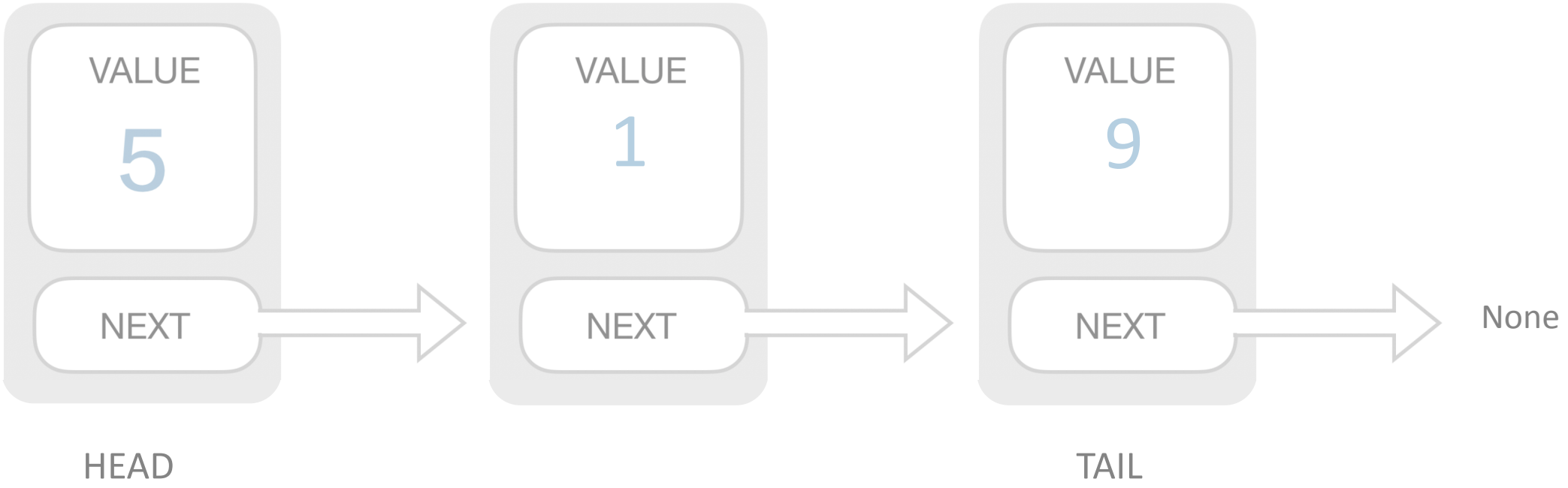
Linked List



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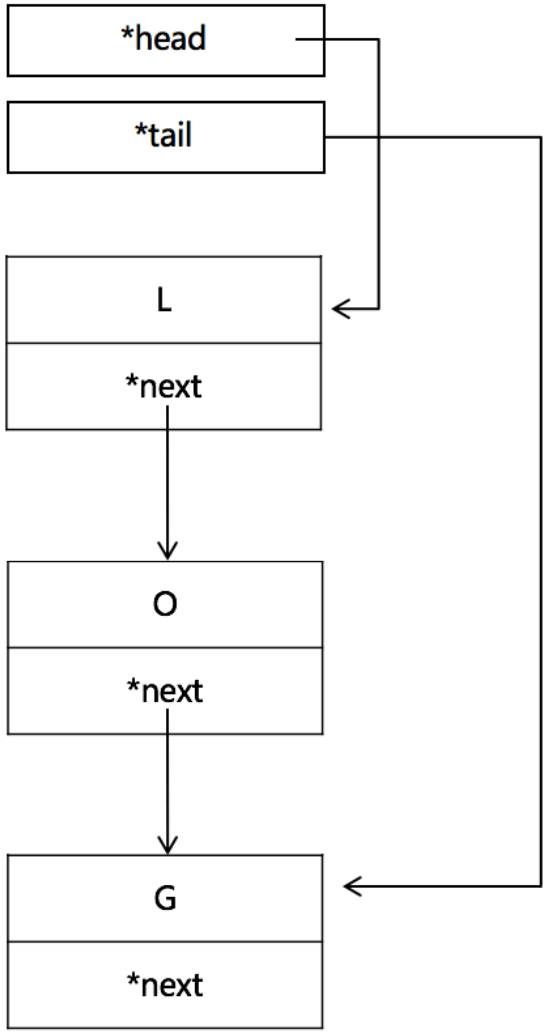

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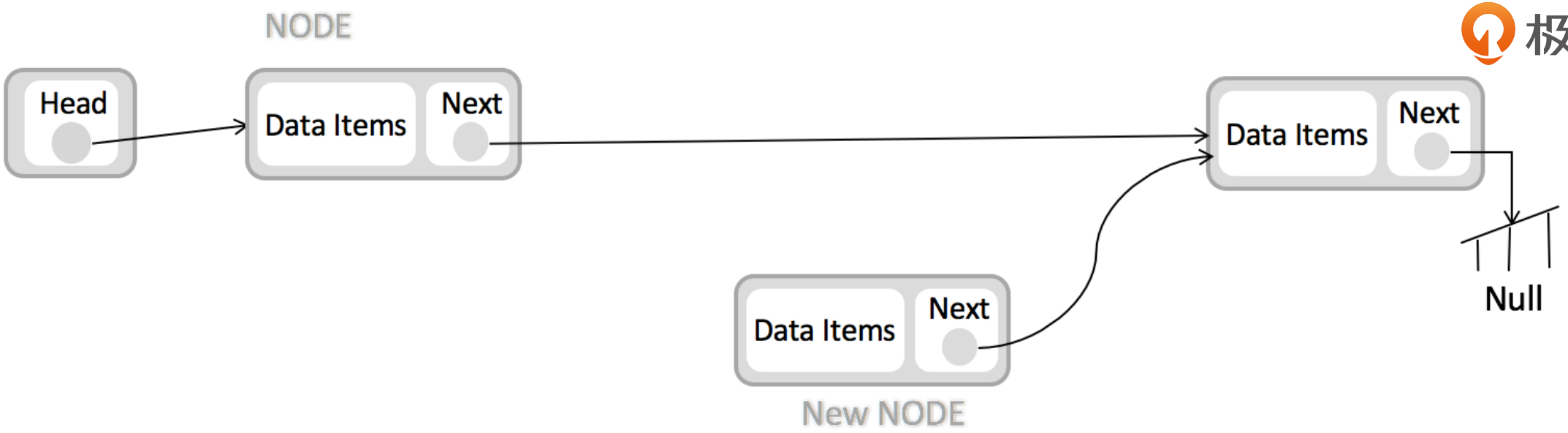
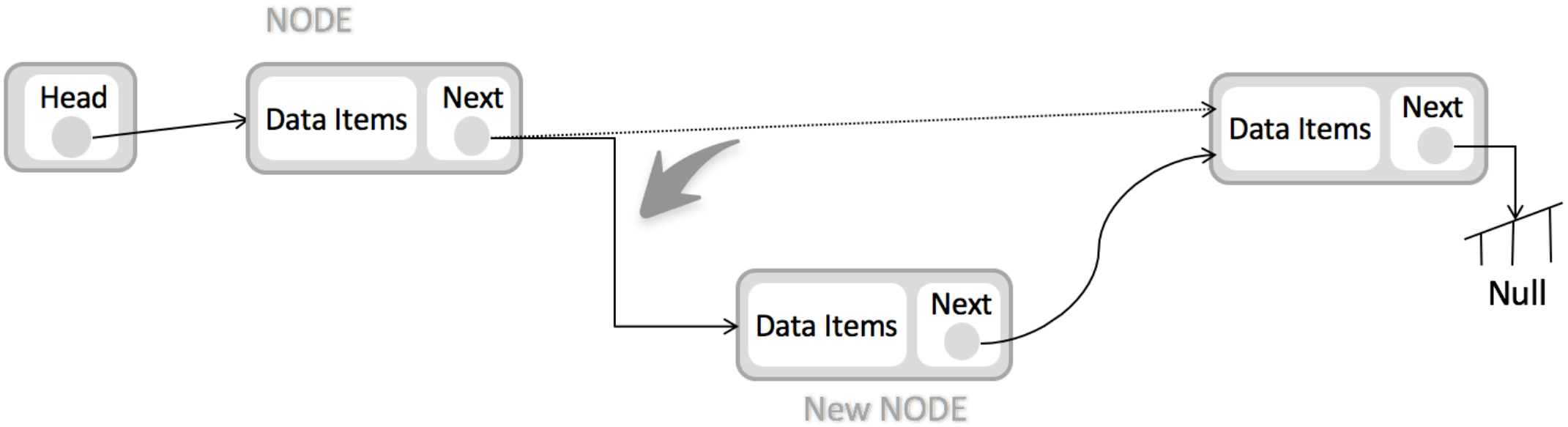
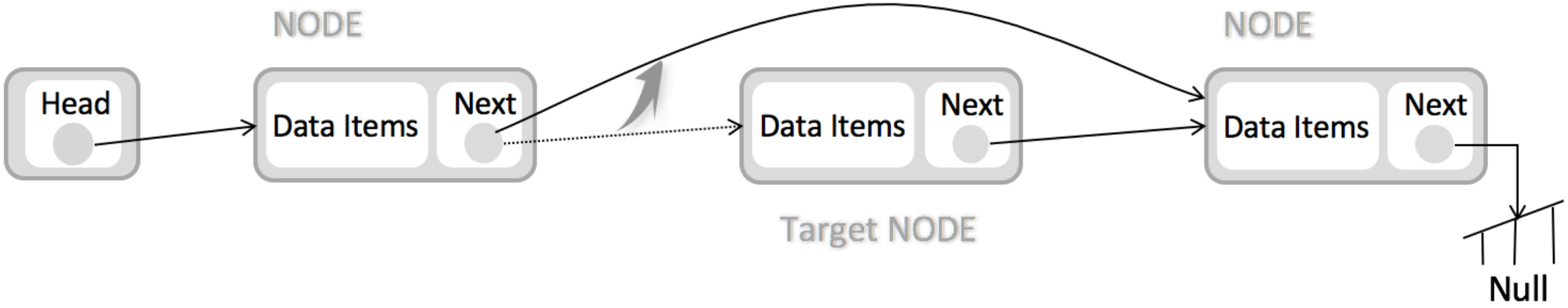
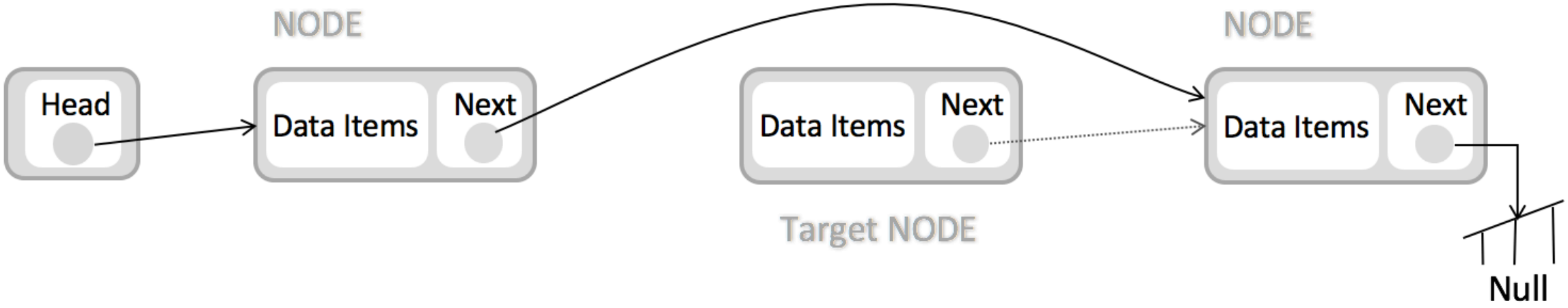



```
LeftNode.next -> NewNode;
```

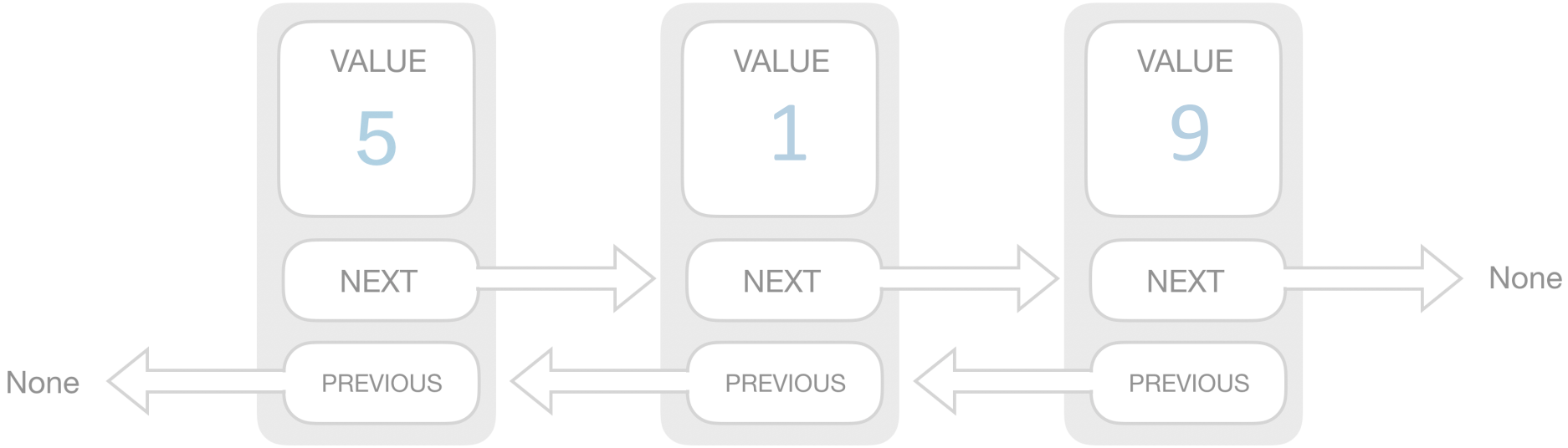


极客时间


NODE
NODE
Head
Data Items
Next
Data Items
Next
Data Items
Next
Target NODE
Null


NODE
NODE
Head
Data Items
Next
Data Items
Next
Data Items
Next
Target NODE
Null

Doubly Linked List



极客时间

时间复杂度

space	O(n)
prepend	O(1)
append	O(1)
lookup	O(n)
insert	O(1)
delete	O(1)

实战题目

1. https://leetcode.com/problems/reverse-linked-list/
2. https://leetcode.com/problems/linked-list-cycle
3. https://leetcode.com/problems/swap-nodes-in-pairs
4. https://leetcode.com/problems/linked-list-cycle-ii
5. https://leetcode.com/problems/reverse-nodes-in-k-group/

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