Linked List

课程尚未开始，请大家耐心等待

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Outline

1. Introduce Dummy Node in Linked List
2. Basic skills in Linked List you shoud know
3. Fast Slow Pointers

Remove Duplicates from Sorted List II

http://www.lintcode.com/problem/remove-duplicates-from-sorted-list-ii/
http://www.jiuzhang.com/solutions/remove-duplicates-from-sorted-list-ii/

Reverse Linked List II

http://www.lintcode.com/problem/reverse-linked-list-ii/
http://www.jiuzhang.com/solutions/reverse-linked-list-ii/

Dummy Node

Scenario: When the head is not determinated

1. Remove Duplicates from Sorted List II
2. Reverse Linked List II
3. Merge Two Sorted Lists
4. Partition List

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Partition List

http://www.lintcode.com/zh-cn/problem/partition-list/
http://www.ninechapter.com/solutions/partition-list/

Basic Skills

1. Insert a Node in Sorted List
2. Remove a Node from Linked List
3. Reverse a Linked List
4. Merge Two Linked Lists
5. Find the Middle of a Linked List

Sort List

http://www.lintcode.com/problem/sort-list/
http://www.jiuzhang.com/solutions/sort-list/

Reorder List

http://www.lintcode.com/problem/reorder-list/
http://www.jiuzhang.com/solutions/reorder-list/

Break 10 minutes

Fast Slow Pointers

1. Find the Middle of Linked List
2. Remove Nth Node From End of List
3. Linked List Cycle I, II

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Merge k Sorted Lists

http://www.lintcode.com/problem/merge-k-sorted-lists/
http://www.jiuzhang.com/solutions/merge-k-sorted-lists/

Heap vs Divide Conqer

A: Heap Win
B: Divide Conquer Win
C: Even

Copy List with Random Pointer

http://www.lintcode.com/problem/copy-list-with-random-pointer/
http://www.jiuzhang.com/solutions/copy-list-with-random-pointer/

Convert Sorted List to Balanced Binary Search Tree

http://www.lintcode.com/problem/convert-sorted-list-to-binary-search-tree/
http://www.jiuzhang.com/solutions/convert-sorted-list-to-binary-search-tree/

Linked List Cycle

http://www.lintcode.com/problem/linked-list-cycle/
http://www.jiuzhang.com/solutions/linked-list-cycle/

Related Questions

Convert Binary Tree to Doubly Linked List

Reverse List Nodes in *k*-Groups