

82. Remove Duplicates from Sorted List II

题目描述: <https://leetcode.com/problems/remove-duplicates-from-sorted-list-ii/>

给定一个排序之后的链表，要求将链表中的重复数字删掉，例如：

```
1 -> 2 -> 3 -> 3 -> 4 -> 4 -> 5
```

返回：

```
1 -> 2 -> 5
```

解题思路：

用pre存储上一个不删除的节点，找到下一个不删的节点，链接。

代码：

```

/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode(int x) : val(x), next(NULL) {}
 * };
 */
class Solution {
public:
    ListNode* deleteDuplicates(ListNode* head) {
        ListNode* fakeHead = new ListNode (0);
        ListNode* pre = fakeHead;
        ListNode* now = head;
        fakeHead->next = head;
        int del;
        while (now) {
            if(now->next && now->val == now->next->val) {
                del = now->val;
                while (now && now->val == del) {
                    now = now->next;
                }
                pre->next = now;
            }
            else {
                pre = now;
                now = now->next;
            }
        }
        return fakeHead->next;
    }
};

```