

Remove Duplicates from Sorted List II

[My Submissions \(/problems/remove-duplicates-from-sorted-list-ii/submissions/\)](/problems/remove-duplicates-from-sorted-list-ii/submissions/)

Question

Solution

 Total Accepted: **54577** Total Submissions: **215599** Difficulty: **Medium**

Given a sorted linked list, delete all nodes that have duplicate numbers, leaving only *distinct* numbers from the original list.

For example,

Given 1->2->3->3->4->4->5 , return 1->2->5 .

Given 1->1->1->2->3 , return 2->3 .

[Show Tags](#)

 Have you met this question in a real interview?
[Discuss \(/discuss/questions/oj/remove-duplicates-from-sorted-list-ii\)](/discuss/questions/oj/remove-duplicates-from-sorted-list-ii)

Python



```

1  # Definition for singly-linked list.
2  # class ListNode(object):
3  #     def __init__(self, x):
4  #         self.val = x
5  #         self.next = None
6
7  class Solution(object):
8      def deleteDuplicates(self, head):
9          """
10             :type head: ListNode
11             :rtype: ListNode
12             """
13             r=head;pre=None
14             while r!=None and ((pre!=None and pre.val==r.val)or(r.next!=None and
15                 pre=r;r=r.next
16                 l=pre=head=r;
17                 if r!=None:r=r.next
18                 while r!=None:
19                     if not((pre!=None and pre.val==r.val)or(r.next!=None and r.next.
20                         l.next=r
21                         l=l.next
22                         pre=r
23                     r=r.next
24                     l.next=None

```

✉ Send Feedback (mailto:admin@leetcode.com?subject=Feedback)

```
25         return head
```

Custom Testcase ☐

Run Code

Submit Solution

Submission Result: Accepted (/submissions/detail/42906840/)

More Details ➤ (/submissions/detail/42906840/)

Next challenges: (E) Remove Duplicates from Sorted List (/problems/remove-duplicates-from-sorted-list/)

(M) Partition List (/problems/partition-list/)

(M) Sort List (/problems/sort-list/)

Share your acceptance!

Frequently Asked Questions (/faq/) | Terms of Service (/tos/)

[Privacy](#)

Copyright © 2015 LeetCode