

Reverse linked list II

```
class Solution {
public:
    ListNode* reverseBetween(ListNode* head, int left, int right) {
        if (left == 1)
            return reverseN(head, right);
        head->next = reverseBetween(head->next, left - 1, right - 1);
        return head;
    }
private:
    ListNode* reverseN(ListNode* head, int n) {
        if (n == 1)
            return head;
        ListNode* newHead = reverseN(head->next, n - 1);
        ListNode* headNext = head->next;
        head->next = headNext->next;
        headNext->next = head;
        return newHead;
    }
};
```

