1.Split Linked List in Parts.

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```
* Definition for singly-linked list.
* struct ListNode {
      int val;
      struct ListNode *next;
* };
*/
/**
* Note: The returned array must be malloced, assume caller calls free().
struct ListNode** splitListToParts(struct ListNode* head, int k, int*
returnSize) {
    struct ListNode **ans = (struct ListNode **)calloc(1, sizeof(struct
ListNode *) * k);
   struct ListNode *prev;
   int base, len = 0, part = 0;
   for (struct ListNode *temp = head; temp; temp = temp->next) {
        len++;
   base = len / k;
   for (int i = len % k; i > 0; i--) {
```

```
ans[part] = head;
       part++;
       for (int i = 0; i < (base + 1); i++) {
           prev = head;
           head = head->next;
       prev->next = NULL;
   }
   if (base) {
       for (int i = part; i < k; i++) {
           ans[part] = head;
           part++;
           for (int j = 0; j < base; j++) {
               prev = head;
               head = head->next;
           prev->next = NULL;
   *returnSize = k;
   return ans;
}
```

Output:

Accepted Runtime: 0 ms

Input

head =

k =

3

Output

Expected

Accepted

Runtime: 0 ms

• Case 1

• Case 2

Input

head =

[1, 2, 3]

k =

5

Output

Expected