Our Solution(s) Run Code

Solution 1

```cpp
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#include <vector>
using namespace std;

class LinkedList {
public:
  int value;
  LinkedList *next;

  LinkedList(int value);
};

// O(n) time | O(1) space
void removeKthNodeFromEnd(LinkedList *head, int k) {
  int counter = 1;
  LinkedList *first = head;
  LinkedList *second = head;
  while (counter <= k) {
    second = second->next;
    counter++;
  }
  if (second == NULL) {
    head->value = head->next->value;
    head->next = head->next->next;
    return;
  }
  while (second->next != NULL) {
    second = second->next;
    first = first->next;
  }
  first->next = first->next->next;
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```cpp
#include <vector>
using namespace std;

class LinkedList {
public:
  int value;
  LinkedList *next;

  LinkedList(int value);
  void addMany(vector<int> values);
  vector<int> getNodesInArray();
};

void removeKthNodeFromEnd(LinkedList *head, int k) {
  // Write your code here.
}

```

Custom Output Submit Code

Run or submit code when you're ready.