



# Solution: Remove Nth Node from End of List

Let's solve the Remove Nth Node from End of List problem using the Two Pointers pattern.

## We'll cover the following



- Statement
- Solution
- Naive approach
- Optimized approach using two pointers
  - Solution summary
  - Time complexity
  - Space complexity

## Statement

Given a singly linked list, remove the  $n^{th}$  node from the end of the list and return its head.



**Constraints:**

- The number of nodes in the list is  $k$ .
- $1 \leq k \leq 10^3$
- $-10^3 \leq \text{Node.value} \leq 10^3$
- $1 \leq n \leq k$

