**Problem Name: Two Sum unique pairs**

**Topics:**

**Companies:**

**Level:** Easy

**Language:** C++

**Problem Statement**:

**Input Format:**

First line of the input contain integer n (size of list)

Second line contain n space separated integer list values.

Last line contain integer value pos representing value of node to delete.

Ex:

5

1 2 3 4 5

1

**Output Format:** Print linked list after removing node having value pos

**Constraints:**

**Examples:**

**Brute force Solution:**

# Explanation:

# Double pointer method. The steps for deduplication are slightly different. Under the requirements of this question, the elements and targets corresponding to the left and right pointers are certain, as long as the control end does not repeat. So in the while loop, first judge whether the left is the same as the previous element, if so, left++ and continue.

**Code:**

**Time Complexity**: O(NlogN)

**Space Complexity:** O(n)

**Optimized Solution:**

### Explanation: unordered\_map stores numbers and times, and uses set<pair<int, int>> to achieve deduplication O(N)

**Code:**

**Time Complexity**: O(n)

**Space Complexity:** O(n)