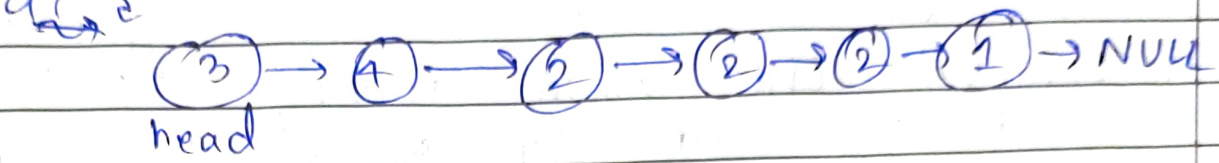
Question Nos. | Marks Awarded

4) Current linked list :→ a



5) Two pointer Approach to Remove Duplicates :

```
RemoveDuplicate
ListNode ~~listNode~~ ( structnode* a ) {

    struct node *t1 = head;
    struct Node* t2 = head -> next;
    while (t1 != NULL && t2 != NULL) {
        If (value of t1 == value of t2) {
            while (t2 != t1) {
                t2 = t2 -> next; free(t2);
            }t1 = t2;
        } t2 = t2 -> next;
    t1 = t1 -> next;
    t2 = t2 -> next;
}
```

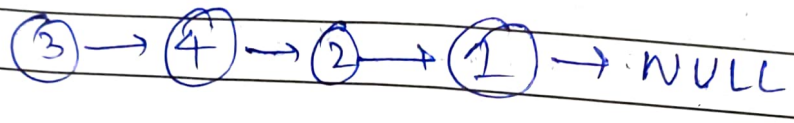
logic : Using Two pointer t1 and t2 Checking if their values one Same If not then move t1 and t2 to next node If t1.val == t2.val then traverse t2 Using while loop till the t1 != t2 and free (t2) Node Every time

Question Nos

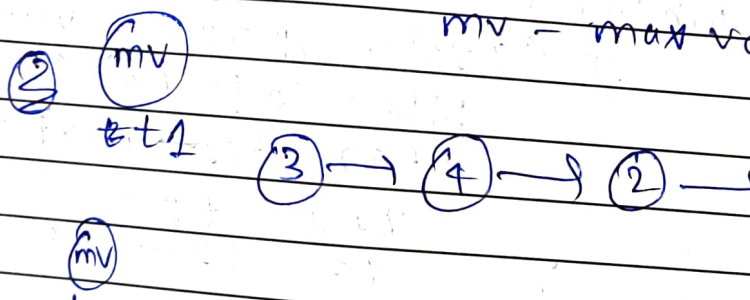
Marks Awarded

then liking the current t2 to t2 so that the Duplicate Remove and again moving t2 to next the starting again checking.

6) The linked list would be



7) Sorting this final list using two Node by given them max value.



Checking the value and Comparing and changing the list