Remove Duplicates in Sorted Linked List

Input : 2→2→2→3→3→4→5→5→5→5 = this

Output : 2→3→4→5 = res

= FUNDA ? → this list me se hamesa removeFirst kro!
res list me addLast krna hai ki nahi
yeh depend krta hai !

- ✱ res = size zero
- ✱ Ya jo data ara hai vo res ki tail se alag krna chaiye !

∴ Atlast : this.head = res.head
this.tail = res.tail

```
public void removeDuplicates(){
 LinkedList res = new LinkedList();
 while(this.size() >0) {
  int val = this.getFirst();
  this.removeFirst();
 if(res.size()==0 || val != res.tail.data){
   res.addLast(val);
  }
 }
   this.head = res.head;
   this.tail = res.tail;
   this.size = res.size;
  }
}
```

original : 1→1→2→3→3 (head, tail, size=5)

resultant : head = null, tail = null, size = 0

(#) RemoveFirst()
val = 1,
Resultant list is empty : addLast(1)

original : 1→2→3→3 (head, tail, size = 4)

resultant : 1 (head, tail, size = 1)

(#) Remove First ()
val = 1 : Resultant tail node = 1 :
Don't Add

original : 2→3→3 (head, tail, size=3)

resultant : 1 (head, tail, size=1)

(#) Remove First ()
val = 2 : Result tail = 1 ≠ 2 : Addlast(2)

original : 3→3 (head, tail, size=2)

resultant : 1→2 (head, tail, size=2)

(#) RemoveFirst()
val=3 : Result tail=2 ≠ 3 : addlast(3)

original : 3 (head, tail, size=1)

resultant : 1→2→3 (head, tail, size=3)

(#) RemoveFirst() → val=3
→ Result tail = 3 = 3 : Don't Add

original : head = tail = null
size = 0

Resultant : 1→2→3 (head, tail, size=3)