

```
public class CutPaste {
    private LineList head, current;

    public CutPaste() {
        head = null;
        current = null;
    }

    public void insertBefore(LineList newList) {
        if(head == null) {
            head = newList;
            current = newList;
        }
        else if(current.getPrev() == null) {
            head = newList;
            current.setPrev(newList);
            newList.setNext(current);
            current = newList;
        }
        else {
            current.getPrev().setNext(newList);
            newList.setPrev(current.getPrev());
            current.setPrev(newList);
            newList.setNext(current);
            current = newList;
        }
    }

    public void insertAfter(LineList newList) {
        if(head == null) {
            head = newList;
            current = newList;
        }
        else if(current.getNext() == null) {
            current.setNext(newList);
            newList.setPrev(current);
            current = newList;
        }
        else {
            current.getNext().setPrev(newList);
            newList.setNext(current.getNext());
            current.setNext(newList);
            newList.setPrev(current);
            current = newList;
        }
    }

    public void add(LineList newBoard, int newBoardNum) {
```

CutPaste.java

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newBoard.setClipNum(newBoardNum);
if(head == null) {
    insertAfter(newBoard);
}
else if(current.getNext() == null) {
    insertAfter(newBoard);
}
else if(current.getClipNum() > newBoardNum) {
    insertBefore(newBoard);
}
else if(current.getClipNum() < newBoardNum) {
    current = current.getNext();
    add(newBoard, newBoardNum);
}
}

private void removeCurrent() {
    if (current == null) {
        System.out.println("Nothing to Cut!");
    }
    else if(current.getNext() != null) {
        if(current.getPrev() != null) {
            current.getPrev().setNext(current.getNext());
            current.getNext().setPrev(current.getPrev());
            current = current.getNext();
        }
        else {
            current.getNext().setPrev(null);
            head = current.getNext();
            current = current.getNext();
        }
    }
    else if(current.getPrev() != null) {
        current.getPrev().setNext(null);
        current = current.getPrev();
    }
    else {
        head = current = null;
    }
}

public LineList getBoard(int clipBoardNum) {
    current = head;
    LineList retrieve = null;
    while(current != null && retrieve == null) {
        if(current.getClipNum() == clipBoardNum) {
            retrieve = current;
            removeCurrent();
        }
    }
}
```

CutPaste.java

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        }  
        else {  
            current = current.getNext();  
        }  
    }  
    return retrieve;  
}  
}
```