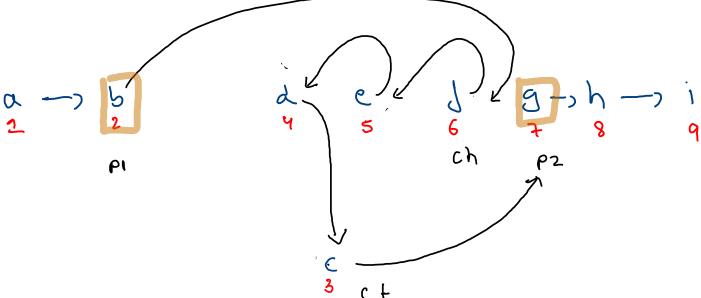


$$K = 3$$

t 9 -> h

92. Reverse Linked List II

test = 3



cf

Pl.next = ch ct. next = PZ **人こ3**

8 = 6

PI

ct

Pl.next = ch

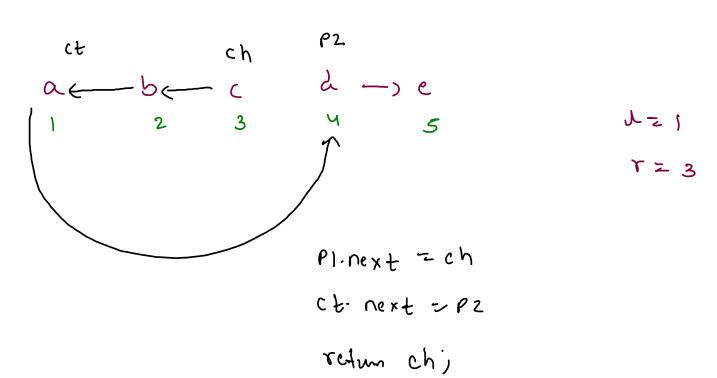
ct. next = PZ

1-3

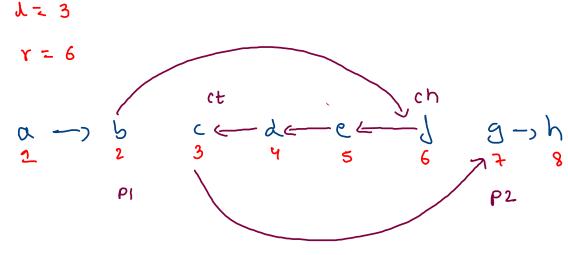
8 = 5

PZ = null

PIZNUL



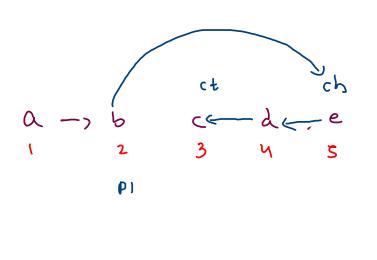
```
while(temp != null) {
   //pre
   if(pos < left) {</pre>
       p1 = temp;
       temp = temp.next;
    //work
    else if(pos >= left && pos <= right) {
       ListNode n = temp.next;
       //removefirst
       temp.next = null;
       //addfirst
       if(ch == null) {
            ch = ct = temp;
       else {
            temp.next = ch;
            ch = temp;
        temp = n;
   //post
    else {
       p2 = temp;
       break;
    pos++;
```



```
if(p1 != null) {
    p1.next = ch;
    ct.next = p2;

    return head;
}
else {
    ct.next = p2;
    return ch;
}
```

```
while(temp != null) {
   //pre
   if(pos < left) {
        p1 = temp;
        temp = temp.next;
    //work
    else if(pos >= left && pos <= right) {
        ListNode n = temp.next;
        //removefirst
        temp.next = null;
       //addfirst
        if(ch == null) {
            ch = ct = temp;
        else {
           temp.next = ch;
            ch = temp;
        temp = n;
    //post
    else {
        p2 = temp;
        break;
    pos++;
```



Y = S

```
P2 znull
```

```
p1.next = ch;
ct.next = p2;

return head;
}
else {
  ct.next = p2;
  return ch;
}
```

if(p1 != null) {

```
while(temp != null) {
    //pre
    if(pos < left) {</pre>
        p1 = temp;
        temp = temp.next;
    //work
    else if(pos >= left && pos <= right) {
        ListNode n = temp.next;
        //removefirst
        temp.next = null;
        //addfirst
        if(ch == null) {
            ch = ct = temp;
        else {
            temp.next = ch;
            ch = temp;
        temp = n;
    //post
    else {
        p2 = temp;
        break;
    pos++;
```

```
a \leftarrow b \leftarrow c \quad a \rightarrow e

a \leftarrow b \leftarrow c \quad a \rightarrow e

a \leftarrow b \leftarrow c \quad a \rightarrow e

a \leftarrow b \leftarrow c \quad a \rightarrow e

a \rightarrow b \leftarrow c \quad a \rightarrow e

a \rightarrow b \leftarrow c \quad a \rightarrow e

a \rightarrow b \leftarrow c \quad a \rightarrow e
```

```
if(p1 != null) {
    p1.next = ch;
    ct.next = p2;

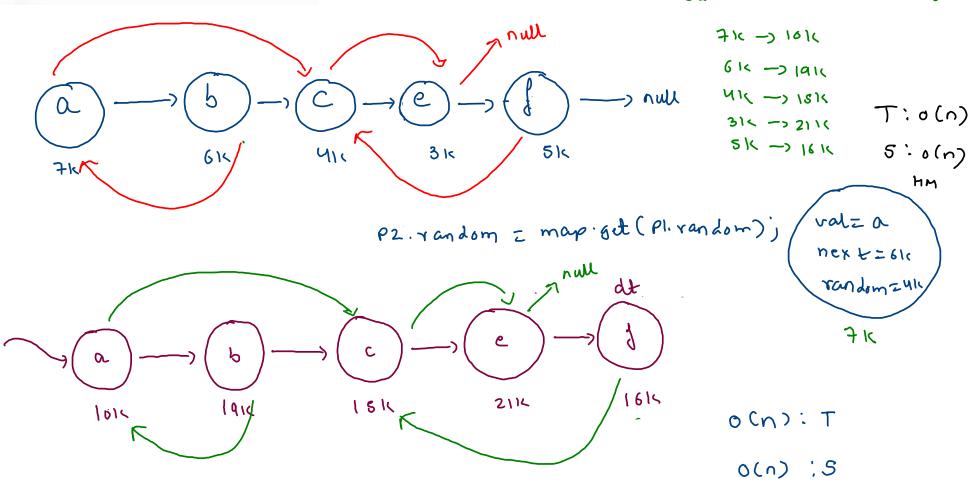
    return head;
}
else {
    ct.next = p2;
    return ch;
}
```

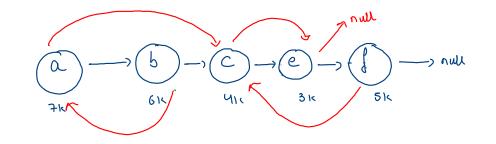
7=3

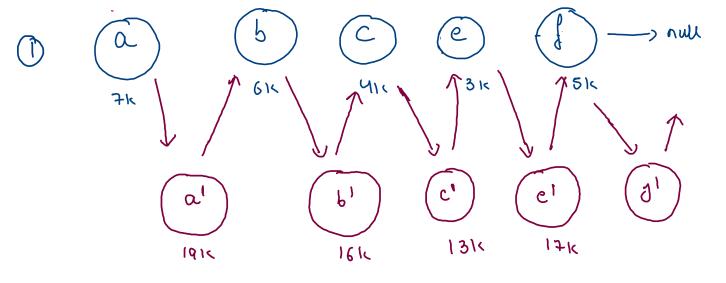
Copy Linkedlist With Random Pointers

dh

old node vs new node







c.next = nn

O(n): T

0(1):5

insert new nodes blw old nodes.

