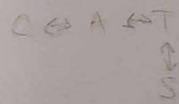
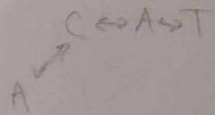


AddLast(S)



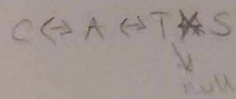
```
{  
    set tail.next = S  
    S.prev = tail  
    tail = S  
}
```

AddFirst(A)



```
{  
    set head.prev = A  
    A.next = head  
    head = A  
}
```

RemoveLast()



```
{  
    tail.prev.next = null  
    tail = tail.prev  
}
```

insert By Node

$C \leftrightarrow A \leftrightarrow T \leftrightarrow S$

insert R for T



$R.next = T$
 $R.prev = T.prev$
 $T.prev.next = R$