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IBM18CS086

B4 B5

```
Node   insert_front (Node head, int ele )
{
Node p = createNode() ;
    p→data = ele
    p→next = p;
    if ( head == NULL)
    {
        p→next = null ;
        return p;
    }

    P → next = head ;
    head→next = head→next ^ p ;
    return p;
}


Node  insert_rear (Node head, int ele )
{   Node p = createNode();
    p→data = ele ;
    if (head == NULL)
    {  p→next = null ;
       return p;
    }
    if (head → next == NULL)
    {
        head→next = head →next ^ p;
        p→ next = head ;
        return head;
    }
```

```
Node    prev = head;
Node    nextp = head→next;
while( prev ! = nextp→next )
{
    Node  q = nextp→next    ^ prev;
      prev = next p;
      nextp = q;
}
  nextp→next = nextp→next    ^ p;
    p→next = nextp;
return   head;

}
```