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IBM18CS041
SA

```
void insert-f (head, val) {

        Node new = getNode();
        new.data = val;
        new.next = head;
        head.next = XOR( new, head.next);
        head = new;

    }

void insert-e (head, val) {

        Node new = getNode();
        new.data = val;
        Node curr = head;
        Node prev = null;
        Node next = null;
        while (curr.next != null) {
                next = XOR (prev, curr);
                prev = curr;
                curr = next;
        }
        new.next = XOR(new, null);
        curr.next = XOR (new, curr.next);
```