Aubaz Ahmed
1BM19CS401

Q. Mem efficient DLL

- Insert_front (head, data)

  node new_el = new node()

  new_el → data = data

  new → ptrdiff = head

  if (head != NULL)

   head → ptrdiff = head → ptrdiff *

   ＊XOR new_el

  head = new_el

  return head;

```
insert_rear (head, data)
    node new = new node();
        new → data = data
        temp = head , prev = null;
        if (head == NULL)
            new → ptrdiff = NULL
            return new

    while (temp != Null)
        next = prev XOR temp → ptrdiff
        prev = temp
        temp = next

    prev → ptrdiff = prev → ptrdiff XOR new
    new → ptrdiff = prev
    return head
```