4) import java.util.*;
public class MyDeque<E> implements Deque<E> {

```
    private ArrayList<E> arrayList;
    private int size;
    private int capacity;
    private int front;

    public MyDeque() {
        arrayList = new ArrayList<>();
        size = 0;
        capacity = 5;
        front = 0;
    }

    public int size() {
        return size;
    }

    public boolean offerFirst(E item) {
        if (size == capacity)
            reallocate();
        if (size == capacity) {
            size++; arrayList.set(0) = item; return true;
        }
        ArrayList<E> temp = new ArrayList<>();
        temp.set(front) = item;
        size++;
        for (int i=1; i<size; i++)
            temp.set(i) = arrayList.get(front+i-1);
        arrayList = null;
        arrayList = temp;
        return true;
    }

    public boolean offerLast(E item) {
        if (size == capacity) reallocate();
        if (size == 0) { size++; arrayList.set(0) = item; return true; }
        arrayList.set(size) = item;
        size++;
        return true;
    }
```

}

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```
public E pollFirst(){
        E temp= arrayList.get(front);
        arrayList.set(front) = null;
        size--;
        front = (front+1) % capacity;
        return temp;

}

public E pollLast(){
        E temp = arrayList.get(size-1);
        size--;
        arrayList.set(size) = null;
        return temp;

}
```