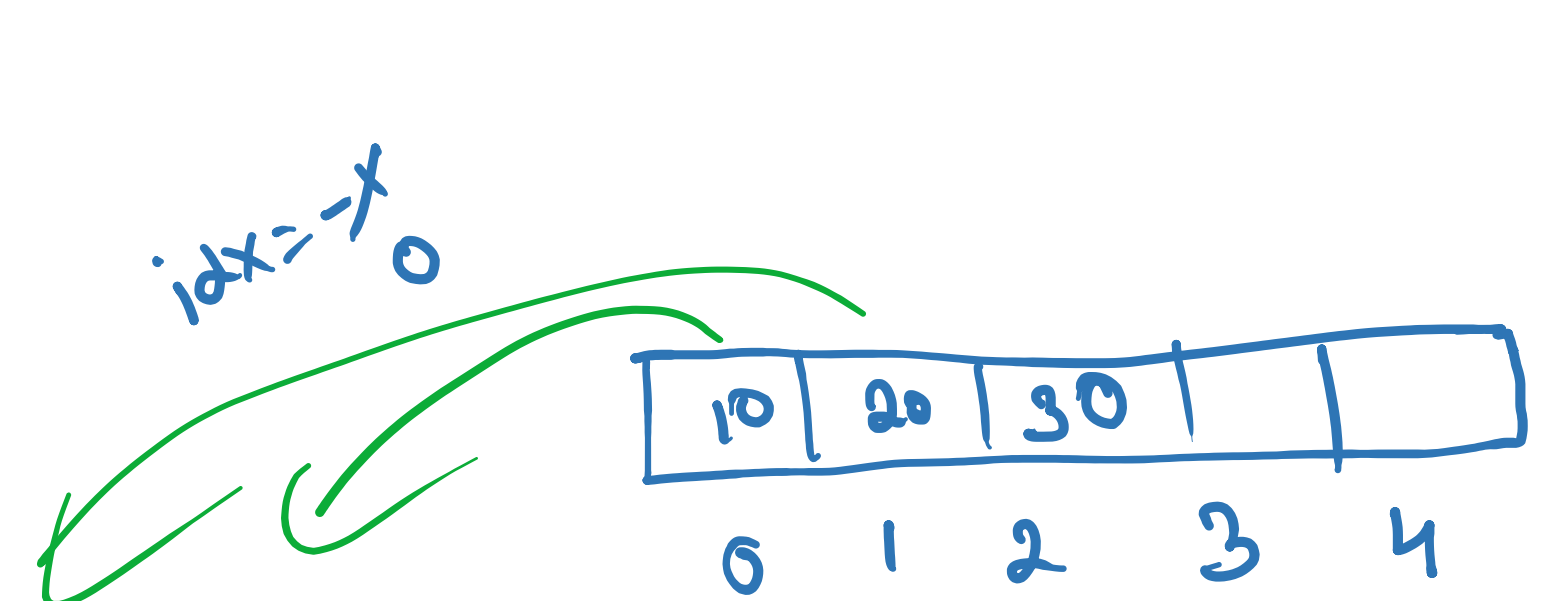


- ① Push
 - ② Pop
 - ③ peek
 - ④ size
 - ⑤ Empty()
 - ⑥ display → For each
- D. set()



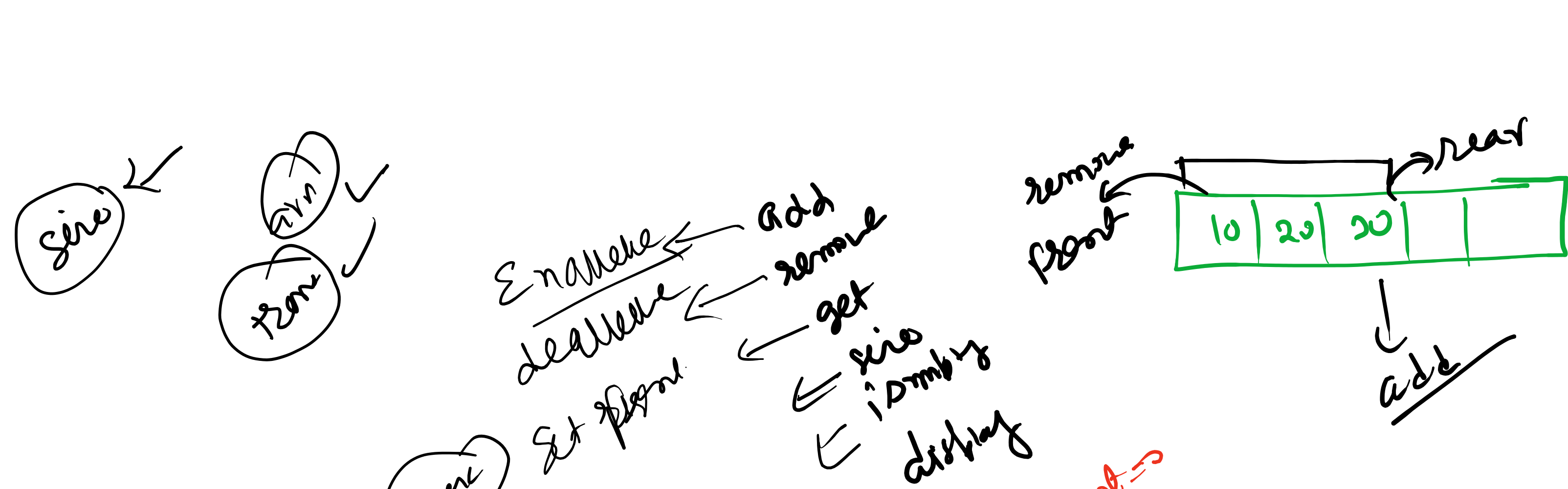
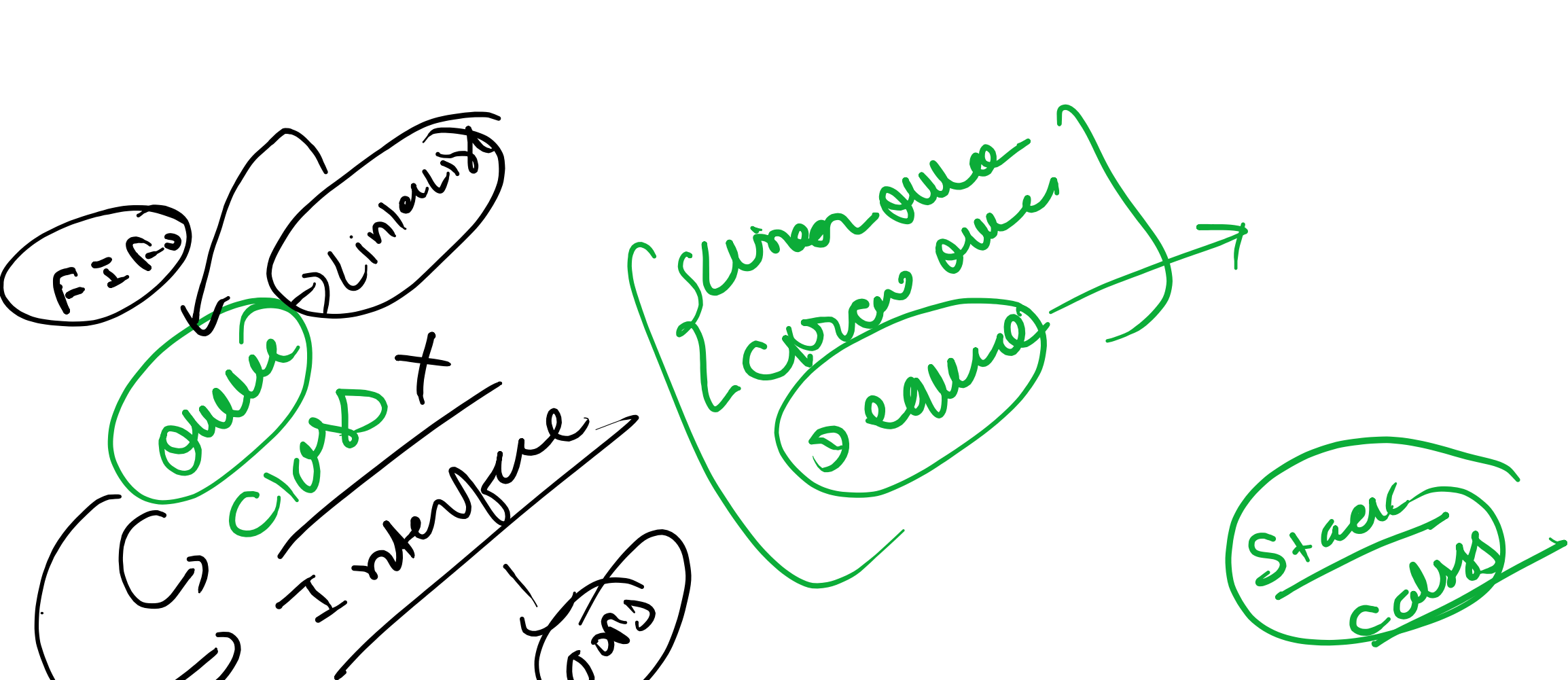
```
public boolean isfull() {  
}  
public void push(int item) {  
    // arr[idx] = item;  
    idx++;  
    arr[idx] = item;  
}
```

idx = arr.length - 1

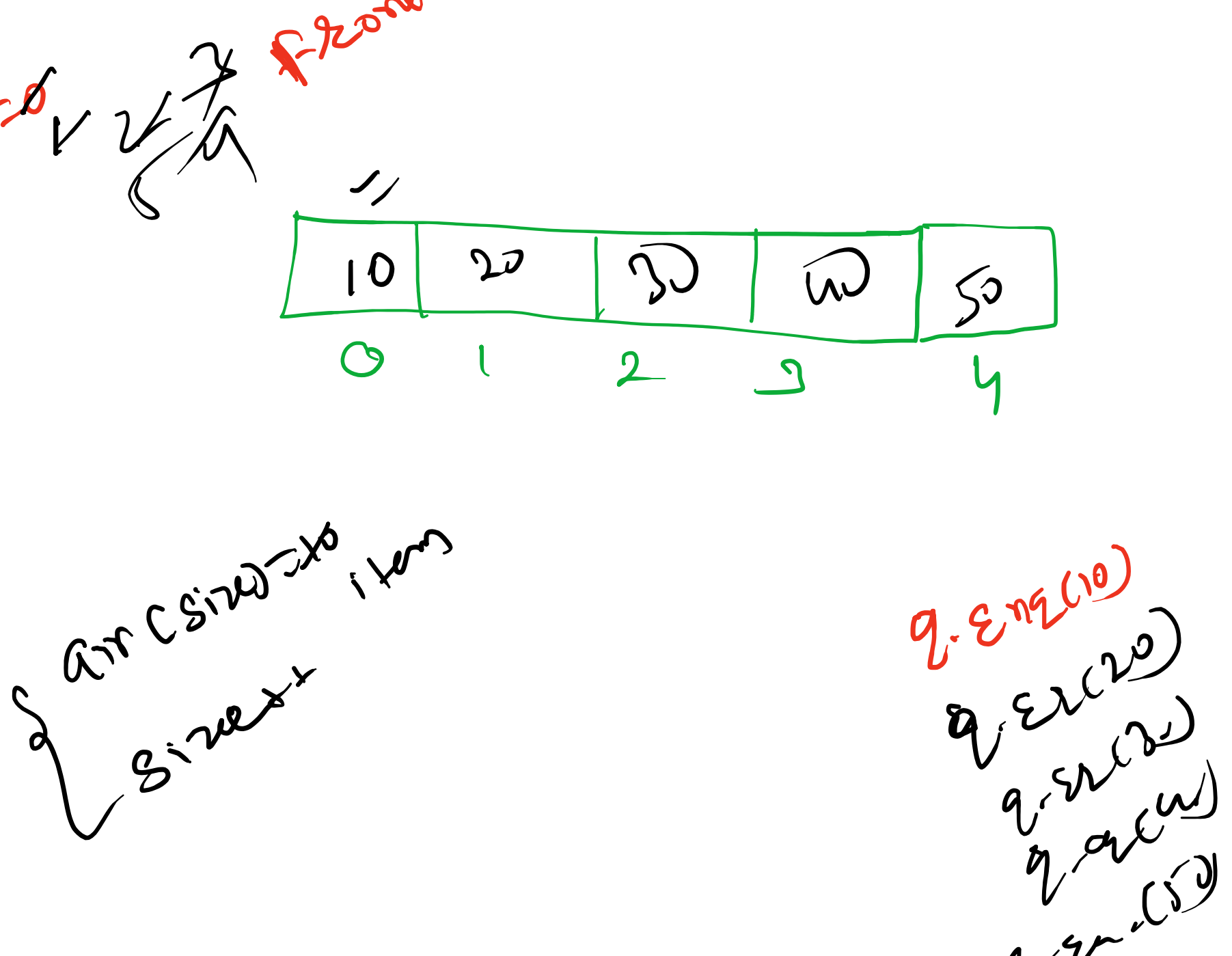
idx = 0, 1, 2, 3, 4

N = 5

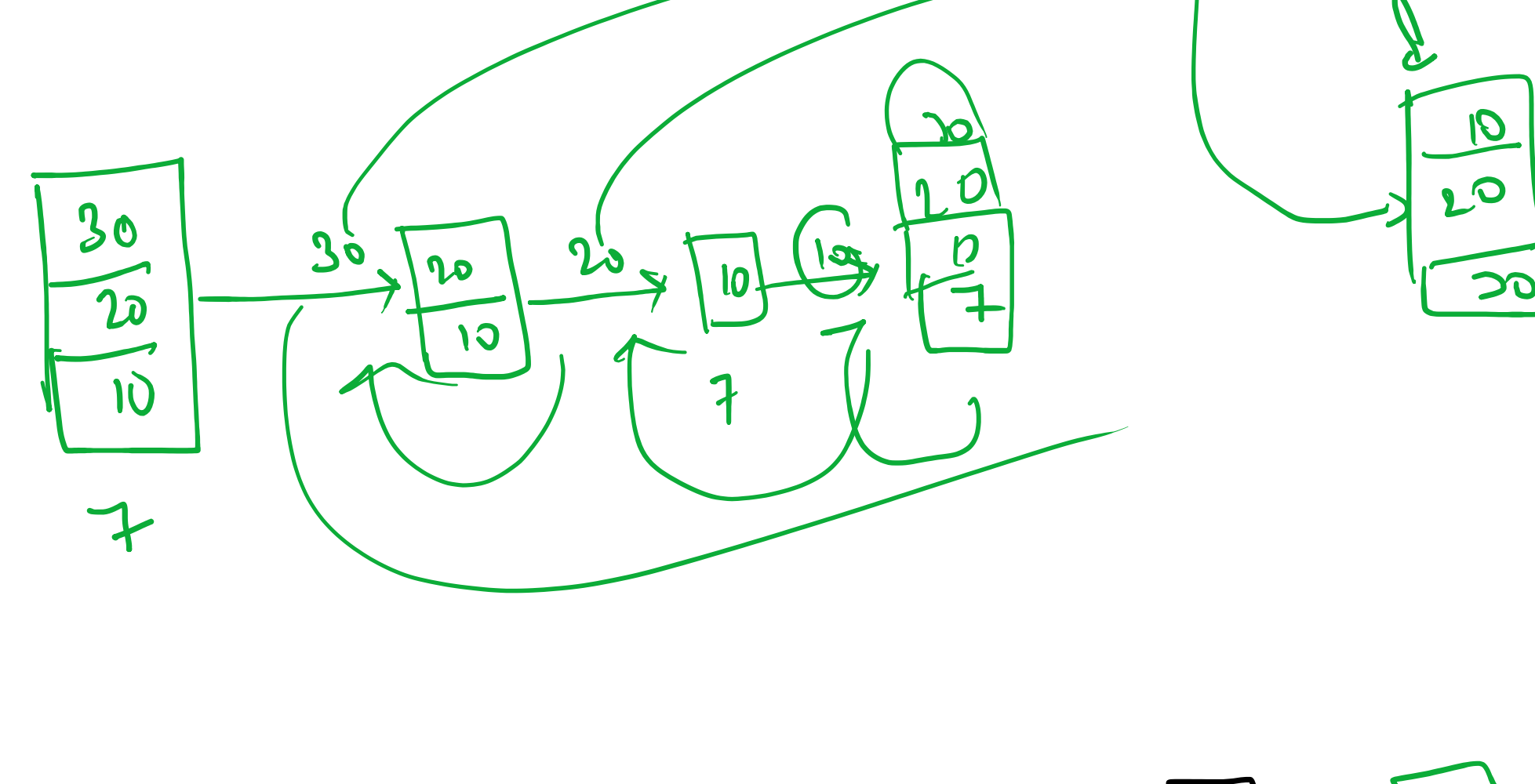
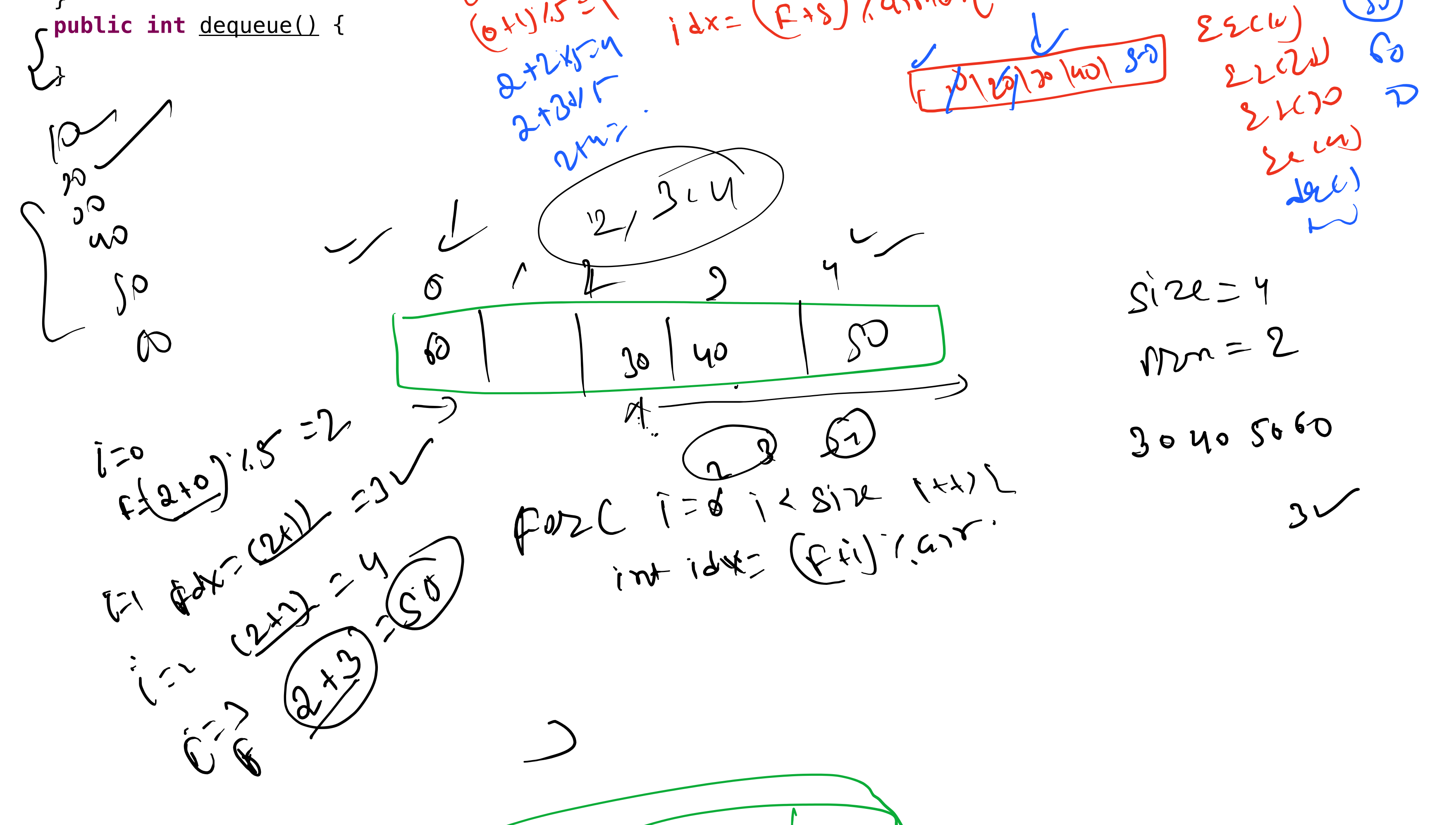
St.push(10)



```
public boolean isEmpty() {  
    return size == 0;  
}  
public boolean isfull() {  
    return size == arr.length;  
}  
public int size() {  
    return size;  
}  
public void Enqueue(int item) {  
    // arr[size] = item;  
    size++;  
}
```



```
public boolean isEmpty() {  
    return size == 0;  
}  
public boolean isfull() {  
    return size == arr.length;  
}  
public int size() {  
    return size;  
}  
public void Enqueue(int item) throws Exception {  
    if (isfull())  
        throw new Exception("Bklol Queue full hogya");  
    arr[size] = item;  
    size++;  
}  
public int dequeue() {  
    // arr[size] = 0;  
    size--;  
    return arr[size];  
}
```



```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    Stack<Integer> st = new Stack<>();  
    st.push(10);  
    st.push(20);  
    st.push(30);  
    st.push(40);  
    st.push(50);  
    System.out.println(st);  
    addlast(st, 7);  
    System.out.println(st);  
}  
  
private static void addlast(Stack<Integer> st, int item) {  
    // TODO Auto-generated method stub  
    if (st.isEmpty()) {  
        st.push(item);  
        return;  
    }  
    int x = st.pop();  
    addlast(st, item);  
    st.push(x);  
}
```

