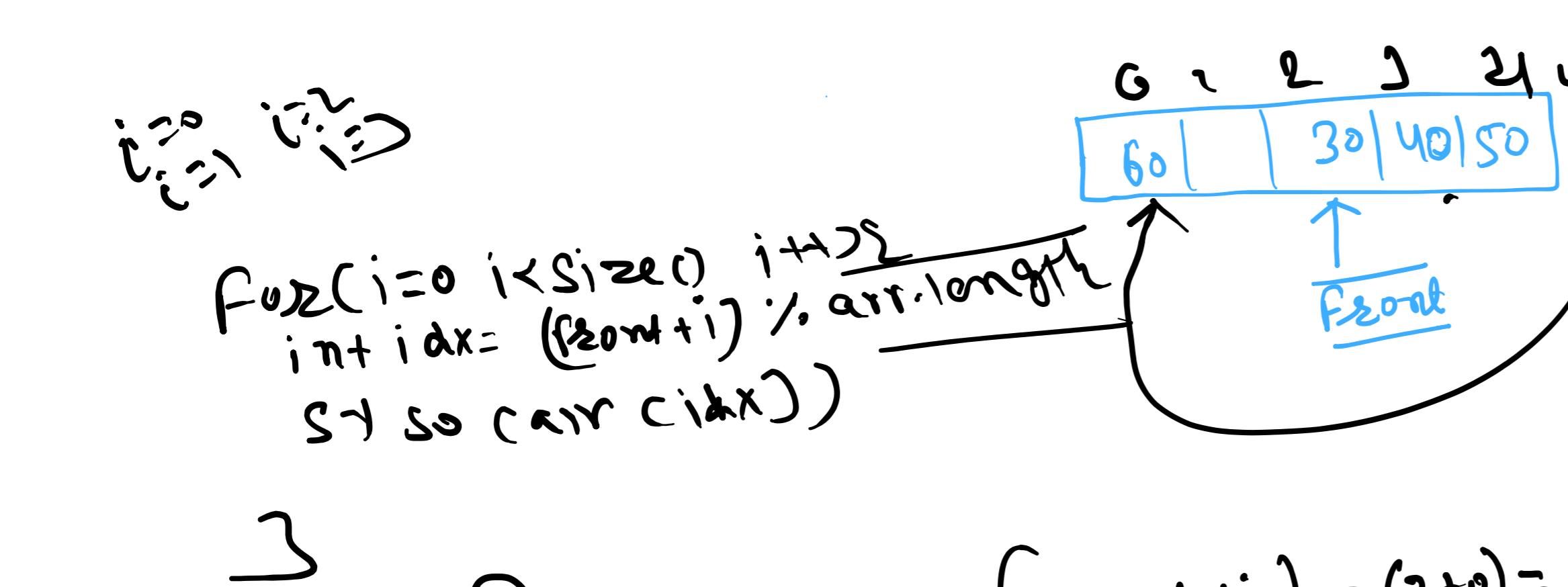


```
// O(1)
public int Dequeue() {
    int x = arr[front];
    front++;
    size--;
    return x;
}
```

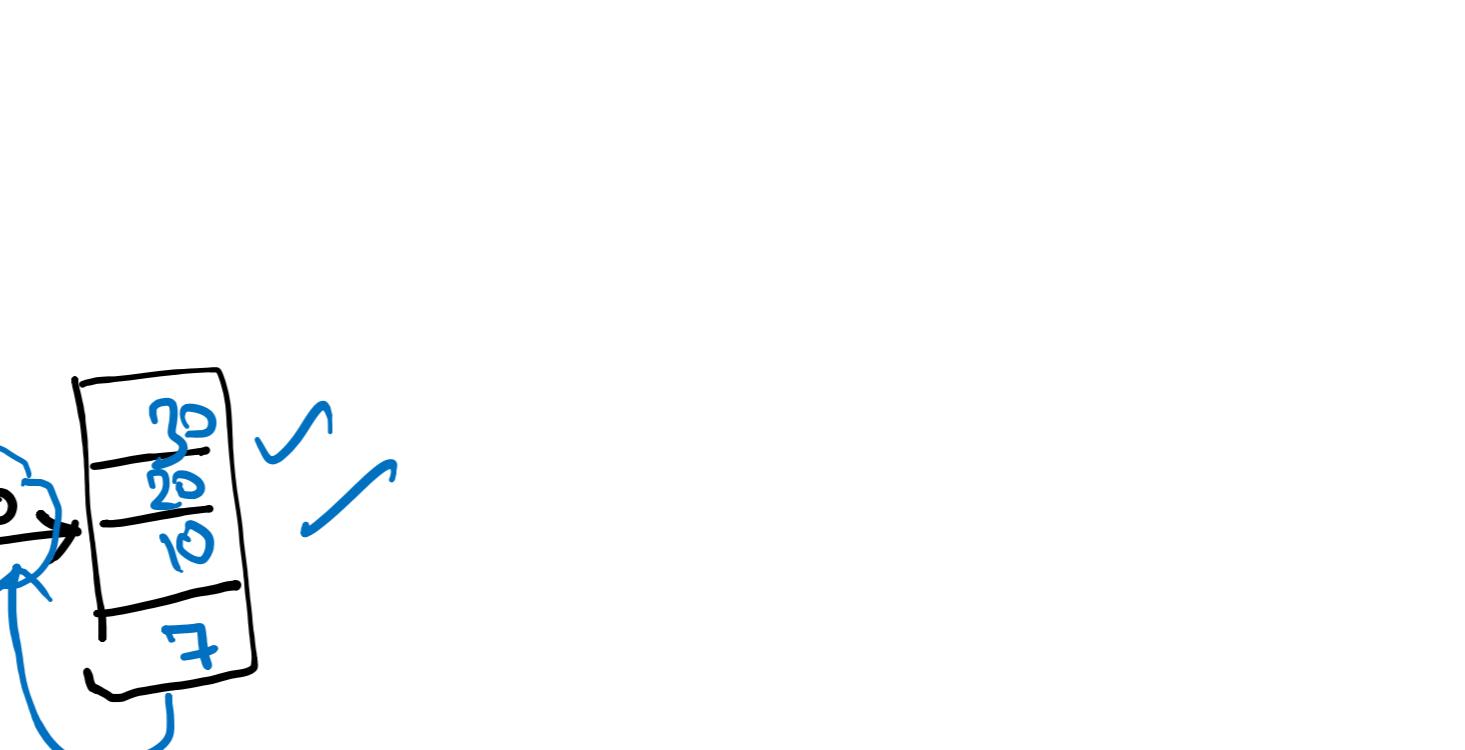
q.enqueue(10) ✓
q.enqueue(20) ✓
q.enqueue(30) ✓
q.enqueue(40) ✓
q.dequeue() ✓
q.dequeue() ✓



10

size = 0 → 28
front = 0 → 21
enqueue(10) ✓
enqueue(20) ✓
enqueue(30) ✓
enqueue(40) ✓
dequeue() ✓
dequeue() ✓
enqueue(50) ✓

```
// O(1)
public void Enqueue(int item) {
    arr[size] = item;
    size++;
    rear++;
}
```

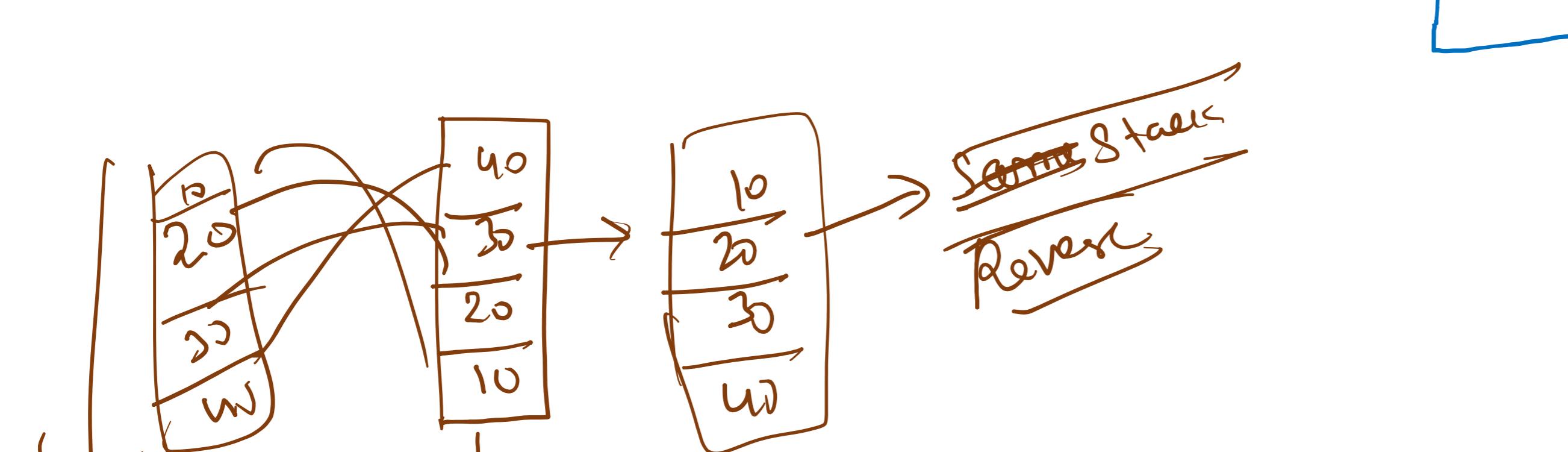


```
// O(1)
public int Dequeue() {
    int x = arr[front];
    front++;
    size--;
    return x;
}
```



```
// O(1)
public int getFront() {
    int x = arr[front];
    return x;
}
```

```
}
```


</div