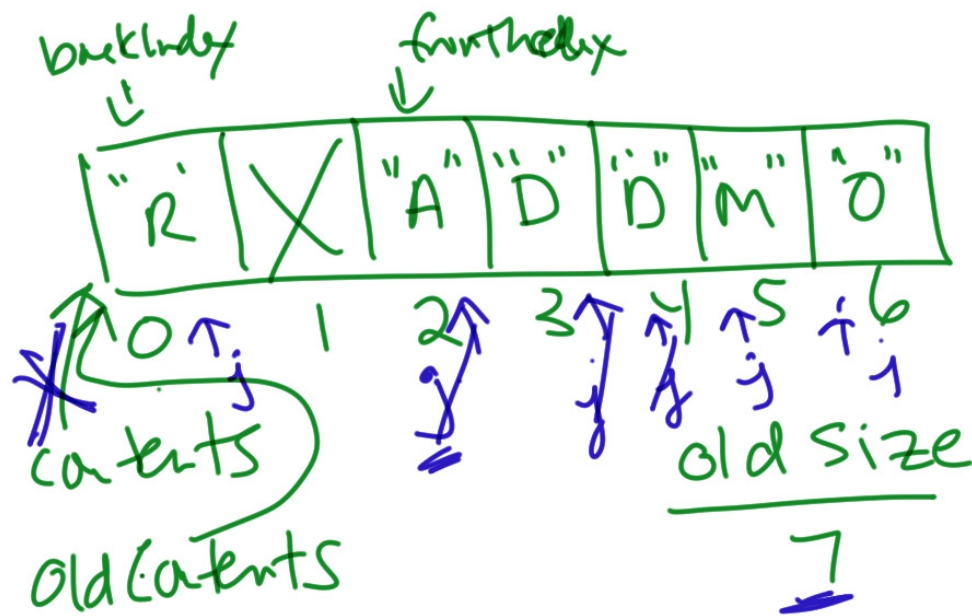


```
29@ SuppressWarnings("unchecked")
30 private void ensureCapacity() {
31     if ((backIndex + 2) % contents.length == frontIndex) {
32         T[] oldContents = contents;
33         int oldSize = oldContents.length;
34         int newSize = 2 * oldSize;
35         contents = (T[]) new Object[newSize];
36
37         int j = frontIndex; //count through old contents
38         for(int i = 0; i < oldSize - 1; i++) {
39             contents[i] = oldContents[j];
40             j = (j+1) % oldSize;
41         }
42
43         //reset field variables for updated contents array
44         frontIndex = 0;
45         backIndex = oldSize - 2;
46
47     }
48 }
49
```



$(0+2) \% 7 = 2 \checkmark$   
 FULL

newSize  
 14

