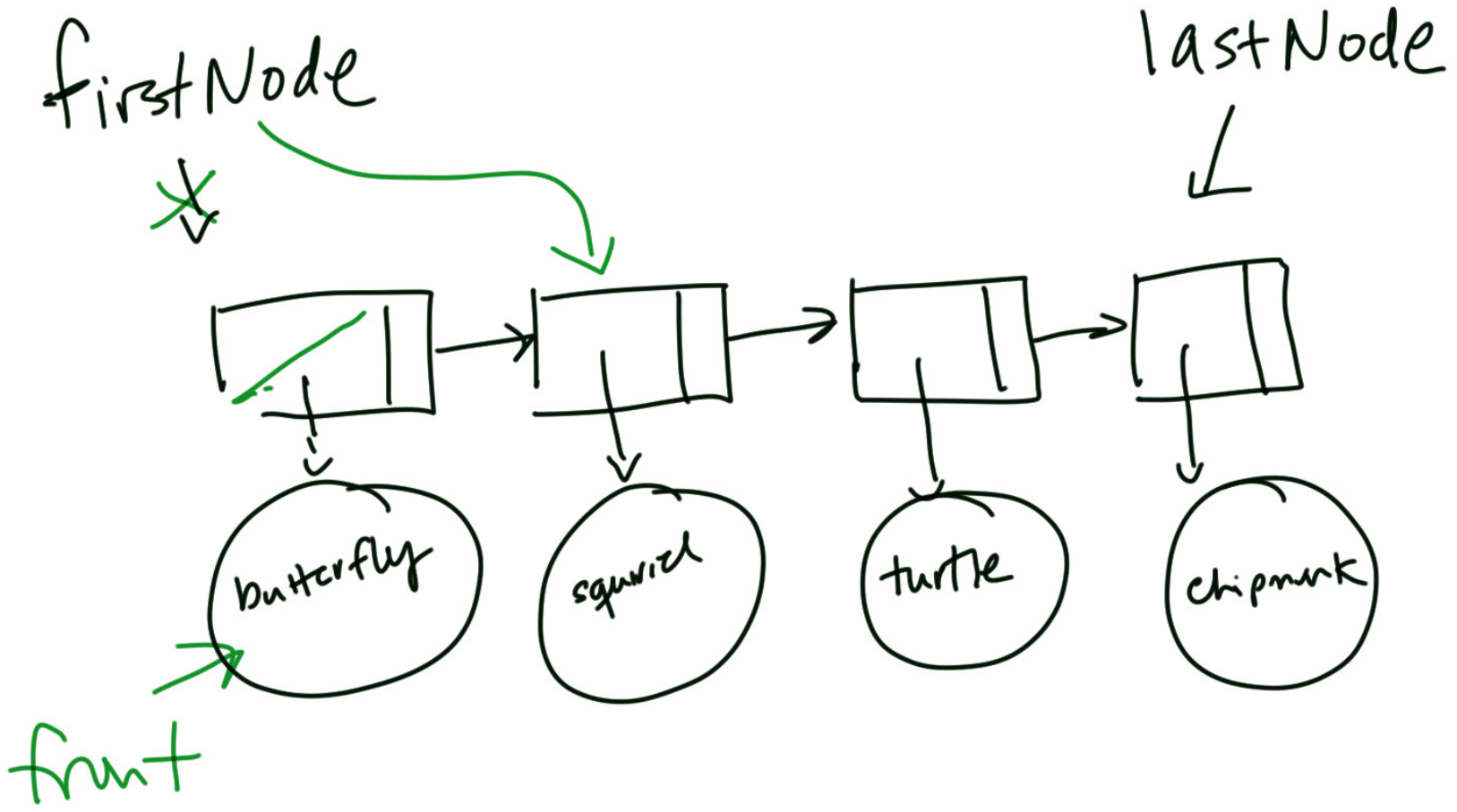


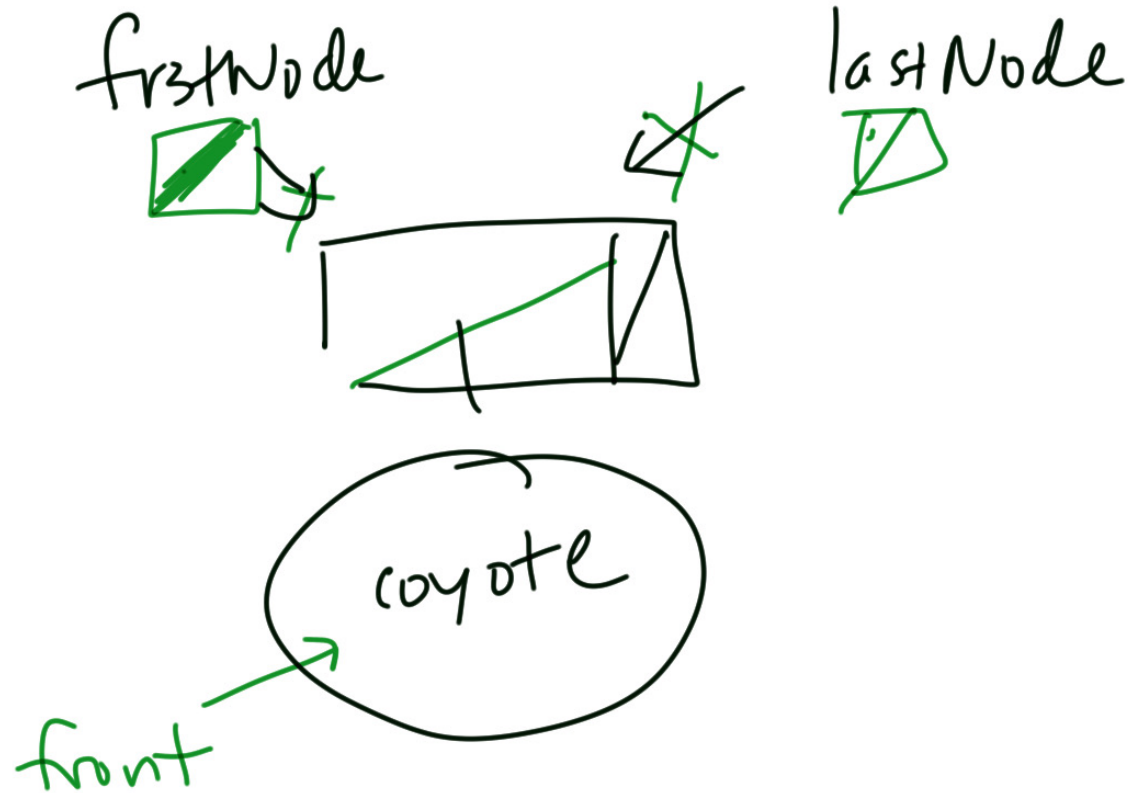
# Deque – Removing front entry

```
34 @Override
35 public T dequeue() {
36     T front = getFront();
37     firstNode.setData(null);
38     firstNode = firstNode.getNext();
39
40     //handle case when dequeued the only node remaining
41     if (firstNode == null) {
42         lastNode = null;
43     }
44
45     return front;
46 }
47
```

Dequeue from queue with multiple entries



Dequeue from queue with one entry



Empty Queue?

firstNode



lastNode



Can we dequeue?

Empty Queue Exception

# IsEmpty and Clear – think about firstNode and lastNode

```
58 @Override
59 public boolean isEmpty() {
60
61     return (firstNode == null);
62 }
63
64 @Override
65 public void clear() {
66     firstNode = null;
67     lastNode = null;
68
69 }
```