

Deque

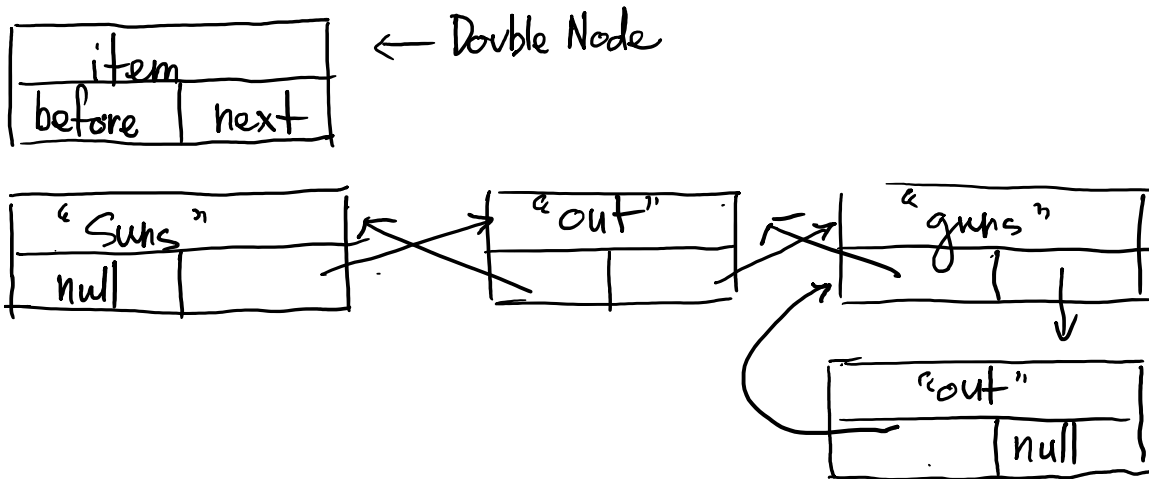
Tuesday, June 27, 2017

5:45 PM

Double Node

```
private class Double Node {  
    Item item;  
    Node next;  
    Node before;  
}
```

Ex Doubly linked list storing sequence
"suns", "out", "guns", "out"

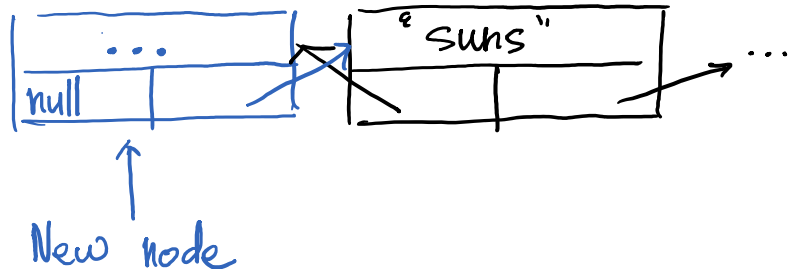


Deque: push Left()

Before



After



Need to:

* Create new Double Node

* Update deque's first attrib.

* Make it's next point to
current first node

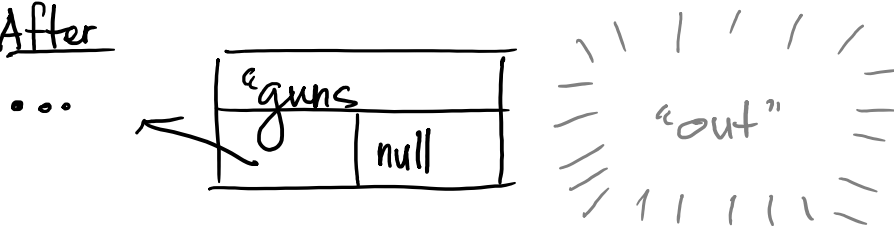
* Update current first node's
before attrib.

Deque: pop Right()

Before



After



Need to:

* Update deque's last attrib.

* Update new last node's next attrib.

No longer has references
& gets garbage collected