CS 180 - Linked Queues
Queue

What is a queue?
How does it work?
Functions

- push
- pop
- top
- size
- empty

Housekeeping!

How to implement?
Array Based

Key idea: use modular arithmetic to "wrap around".

Code from last time - posted today.
Linked Queues: Use circularly linked lists

to insert: (12)
to remove: use cursor \rightarrow next
Last time:
- Coded struct for nodes
- Coded push (left out boundary case if empty())

Today:
- Finish functions
- Housekeeping
A note on housekeeping:
On last homework (for SLinkedList),
how did you write operator==?

copy + paste
from & destructor
2 copy constructor
Never copy & paste!

Write a helper function.

Here, we'll write two private functions to help make a deep copy and delete all current data.

What is a private function?

only be accessed by functions inside the class
(not main)
copy from
other

walk

cursor

push (12)
push (-2)
push (56)