CS24 Week 5 Lecture 1

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Overview

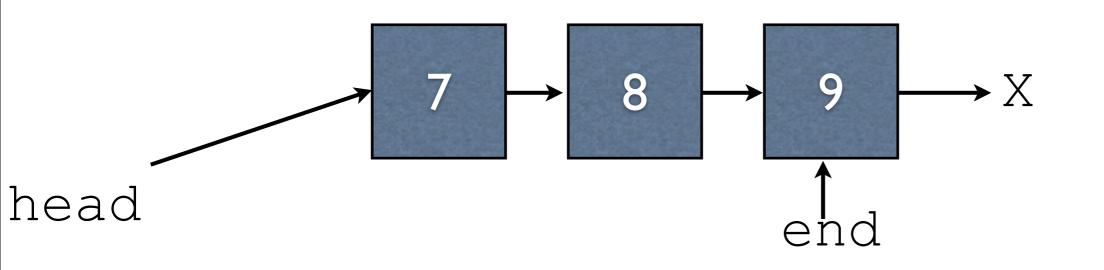
- Queues in recap
- Exam review

Addressing Efficiency Problem

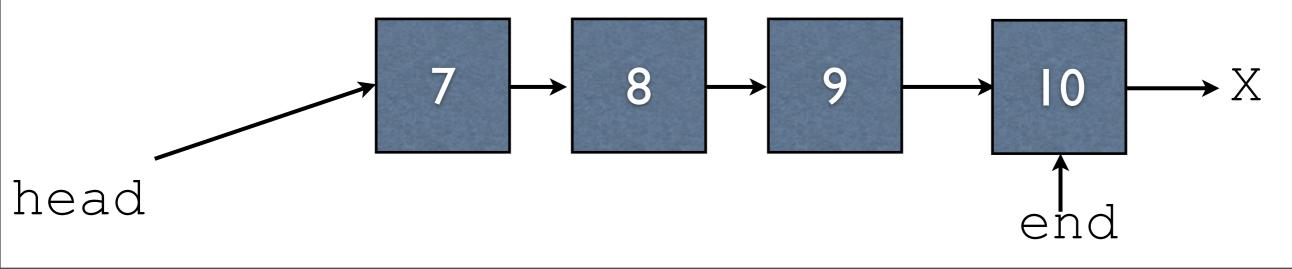
- Without diverging too much from a standard linked list, how might we address this efficiency problem?
 - Hint: head essentially teleports us to the front of the list
 - We could add a special end pointer to the end of the list

After Change

Before enqueue (10)



After enqueue (10) - add directly to end



Sunday, July 20, 14

Questions

- For a queue of empty length, what is head and end?
- For a queue of length one, what is head and end?

Questions

- For a queue of empty length, what is head and end?
 - NULL
- For a queue of length one, what is head and end?
 - The same element

Extra Bookkeeping

 Need to ensure that end always points to the last element

Exam Review