Finishing linked memory

1/20/16
Announcements

• HW due tonight (replaceAll)
  – TAs in Founders 10-midnight

• Reading
  – Chapter 4 for Friday

• Send me writeups on MLK convocation

• Quiz Friday: Writing a LinkedBag method
From last time...

• method remove(T)
  – curr: reference to “current” Node used to find Node to remove
  – prev: reference to Node before the current one
From last time...

• method remove(T)
  – curr: reference to “current” Node used to find Node to remove
  – prev: reference to Node before the current one

• Alternate idea: just use one reference and stop on Node before the one to remove
Questions on lab?
For the situation given below, which of the following is the value to which current.next.value evaluates?

A. 3
B. 18
C. 12
D. 16
E. None of the above
For the situation given below, which of the following is the value to which `current.next.value` evaluates?

A. 3  
B. 18  
C. 12  
D. 16  
E. None of the above
For the situation given below, which of the following is the value to which `current.next.next.next.value` evaluates?

A. 3  
B. 18  
C. 12  
D. 16  
E. None of the above
For the situation given below, which of the following is the value to which `current.next.next.next.value` evaluates?

A. 3
B. 18
C. 12
D. 16
E. None of the above
For the situation given below, which node is changed by the line `current.next = null`?

A. `next` value 3
B. `next` value 18
C. `next` value 12
D. `next` value 16
E. None of the above
For the situation given below, which node is changed by the line current.next = null?

A. A
B. B
C. C
D. D
E. None of the above
Which of the following is equal to head.next.data when called from the LinkedBag?

A. “I”  
B. “II”  
C. “III”  
D. “IV”  
E. Not exactly one of the above
Which of the following is equal to head.next.data when called from the LinkedBag?

A. “I”
B. “II”
C. “III”
D. “IV”
E. Not exactly one of the above
Suppose you want to print the contents of a LinkedBag for debugging. You want a variable curr to refer to each Node in turn. Which of the following does this correctly?

A. Node current = head;
   while(current != null) { ... }

B. Node current = head;
   while(current.next != null) { ... }

C. Node current = head.next;
   while(current != null) { ... }

D. Node current = head.next;
   while(current.next != null) { ... }

E. Not exactly one of the above
Suppose you want to print the contents of a LinkedBag for debugging. You want a variable `curr` to refer to each Node in turn. Which of the following does this correctly?

A. `Node current = head;`
   `while(current != null) { ... }`

B. `Node current = head;`
   `while(current.next != null) { ... }`

C. `Node current = head.next;`
   `while(current != null) { ... }`

D. `Node current = head.next;`
   `while(current.next != null) { ... }`

E. Not exactly one of the above
Which of the following removes the Node with “II” from the list when called from LinkedBag?

A. head = head.next;
B. head.next = head;
C. head.next = head.next.next;
D. head.next.next = head.next.next.next;
E. Not exactly one of the above
Which of the following removes the Node with “II” from the list when called from LinkedBag?

A. `head = head.next;`
B. `head.next = head;`
C. `head.next = head.next.next;`
D. `head.next.next = head.next.next.next;`
E. Not exactly one of the above