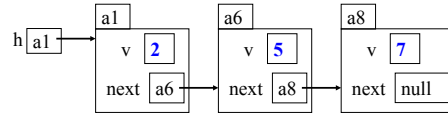## Announcements

□ A3 will available on Piazza tomorrow. Refer often to the Piazza FAQ Note for A3.

□ Please read the assignment A3 FAQ Notes on the Piazza before asking a question. It might already be answered.
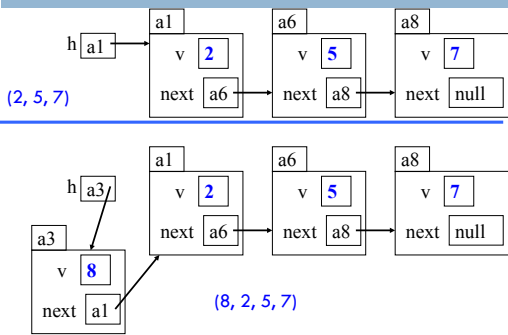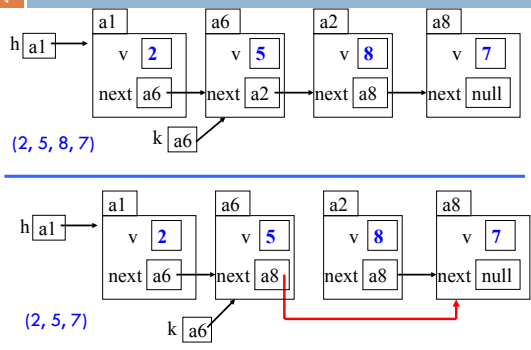

Assignment A3: Linked Lists

Idea: maintain a list (**2**, **5**, **7**) like this:

This is a singly linked list

To save space, we write names like a6 instead of N@35abcd00

How to insert a node at the beginning

(2, 5, 7)

(8, 2, 5, 7)

How to remove successor of a node in the middle

(2, 5, 8, 7)

(2, 5, 7)

Assignment A3: Generics

```
public class LinkedList {          Values of linked list are
    void add(Object elem) {…}       of class Object
    Object get(int index) {…}
}
public class LinkedList<E> {        You can specify what
    void add(E elem) {…}            type of values
    E get(int index) {…}
}
ns = new LinkedList<Integer>();    ss = new LinkedList<String>();
ns.add("Hello"); // error          ss.add("Hello");
ns.add(5);                         ss.add(5); // error
String s = ns.get(0); // error     String s = ss.get(0);
int n = ns.get(0);                 int n = ss.get(0); // error
```