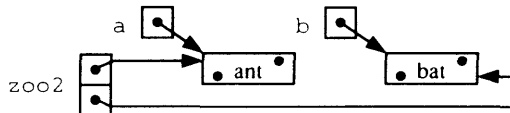


```

DLLNode a = new DLLNode("ant", null, null),
        b = new DLLNode("bat", null, null);
DLL zoo2 = new DLL();
zoo2.first = a; zoo2.last = b;

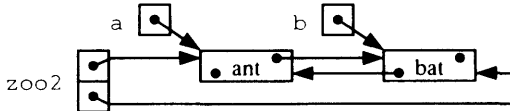
```



```

a.succ = b; b.pred = a;

```



EXAMPLE 4.5 *DLL traversal*

We can trivially modify the method `printFirstToLast` of Example 4.2 to print all the elements in a *DLL* in first-to-last order.

```

public class DLL {
    // Each DLL object is a DLL header.
    // This DLL is represented by a link to its first node (first) and a link
    // to its last node (last).
    private DLLNode first, last;

    public DLL () {
        // Construct an empty DLL.
        this.first = null; this.last = null;
    }

    ... // DLL methods (see below).
}

```

Program 4.7 Java class representing DLL headers.