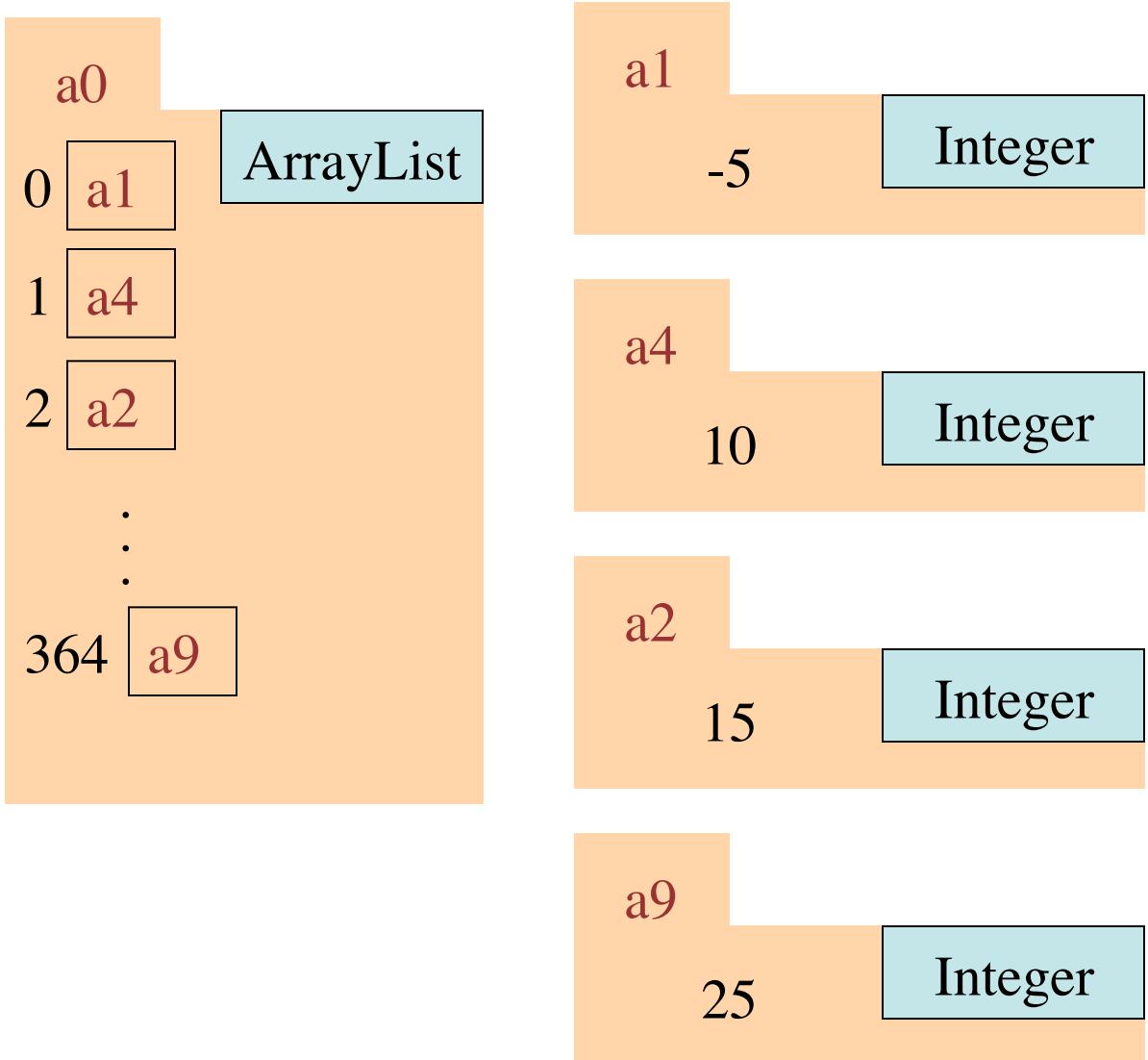


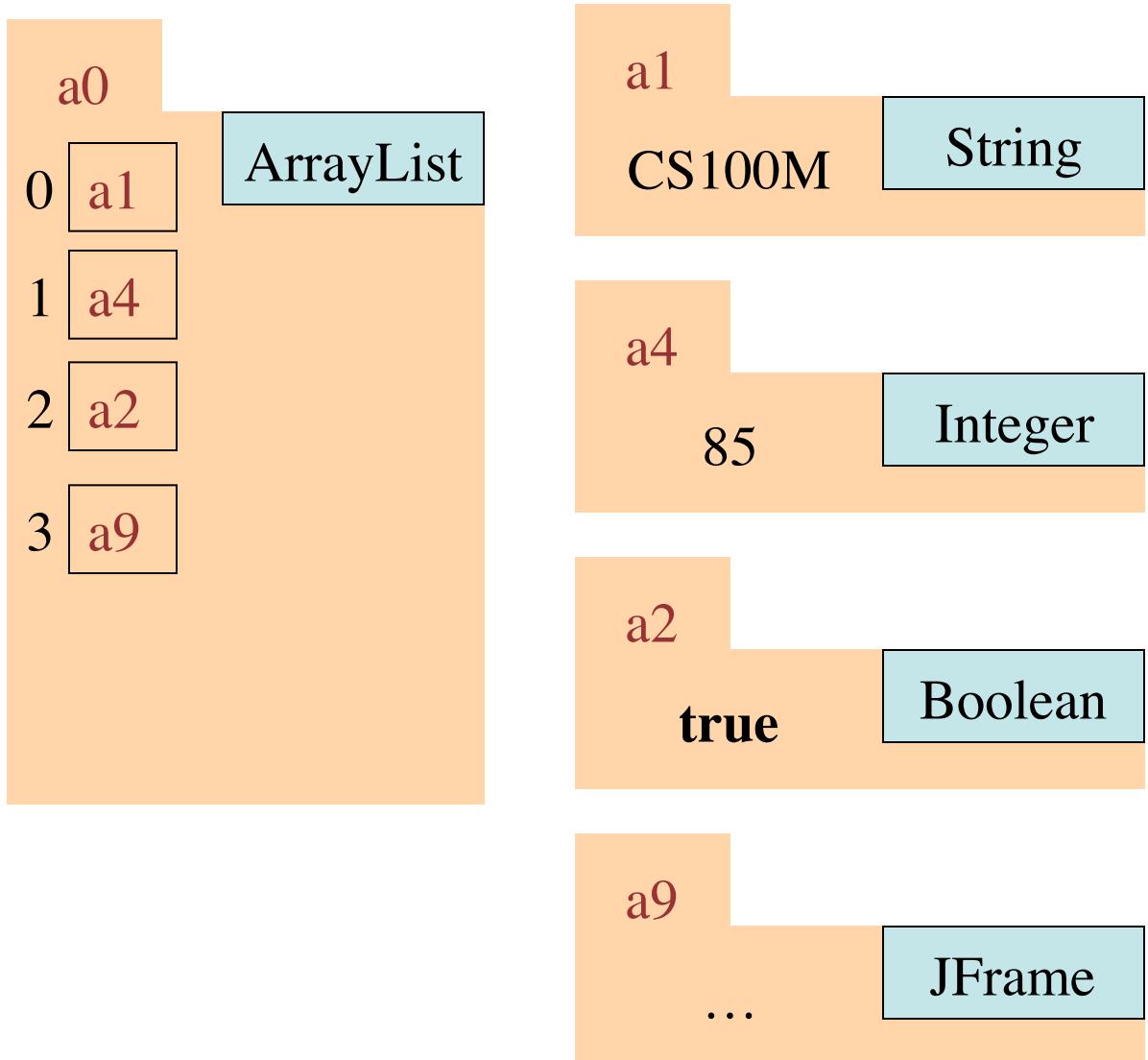
Class ArrayList



An instance contains a list of objects.

ArrayList is in package `java.util`.

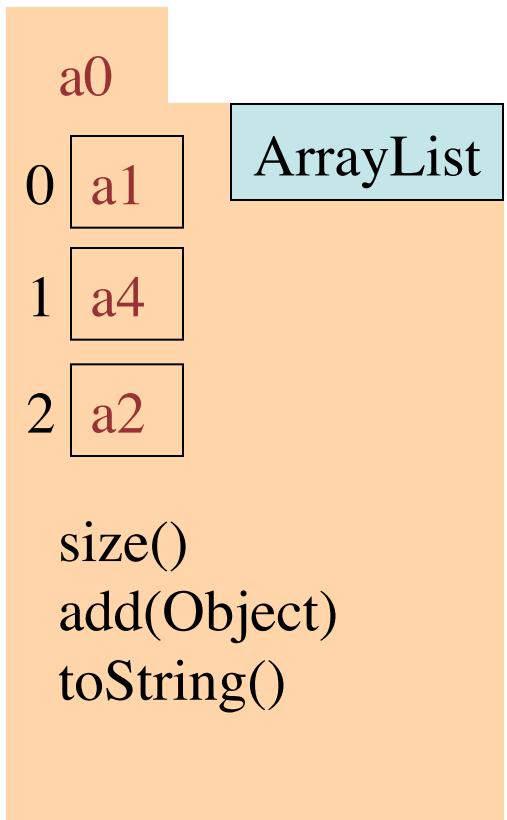
Class ArrayList



An instance contains a list of objects.

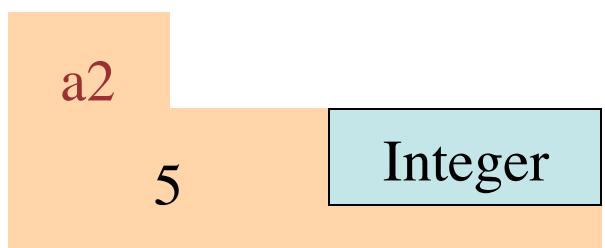
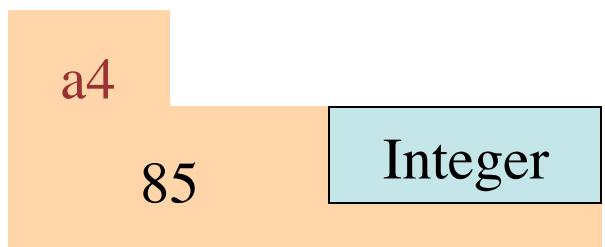
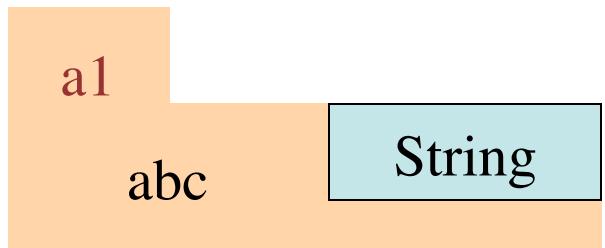
ArrayList is in package `java.util`.

Adding objects to an ArrayList



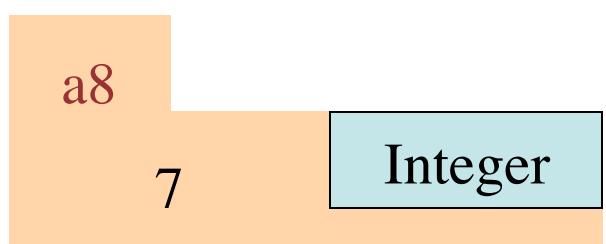
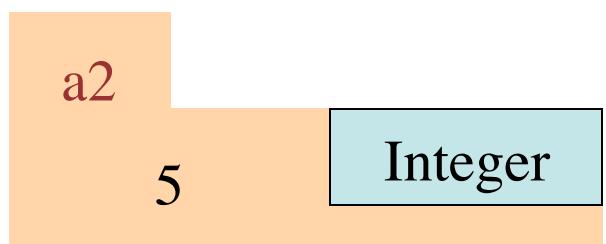
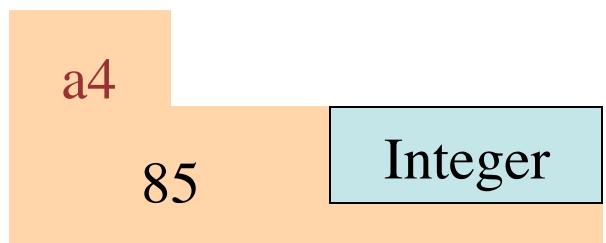
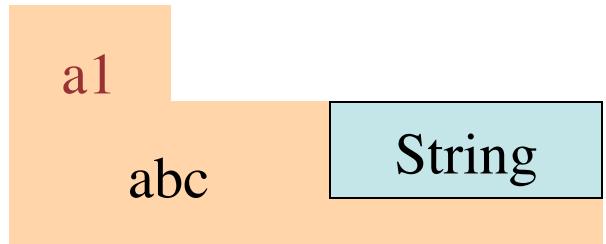
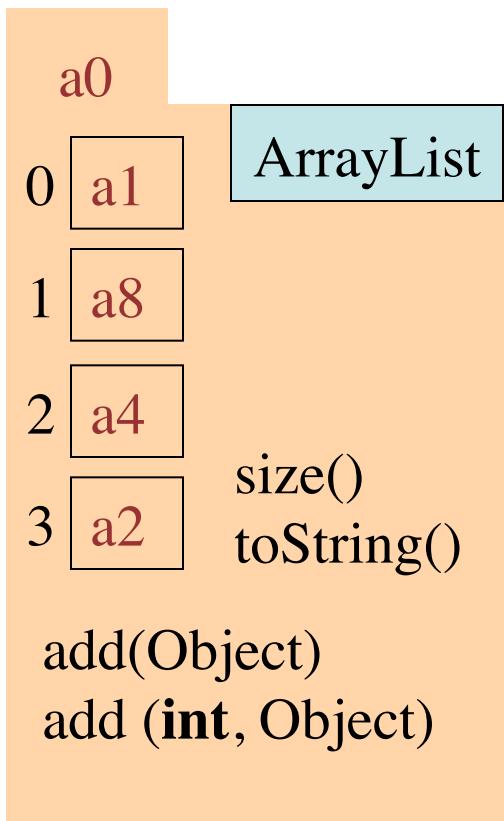
When first created, the size of the list is 0.

`b.size()` = the number of objects in the list.



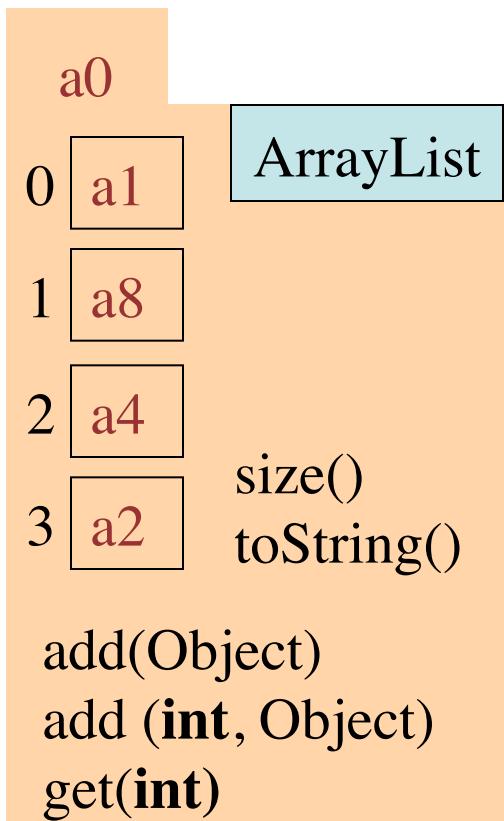
ArrayList is in package `java.util`.

Inserting an element

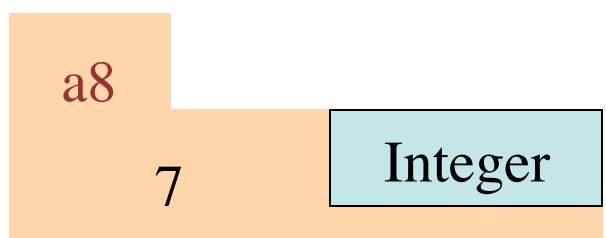
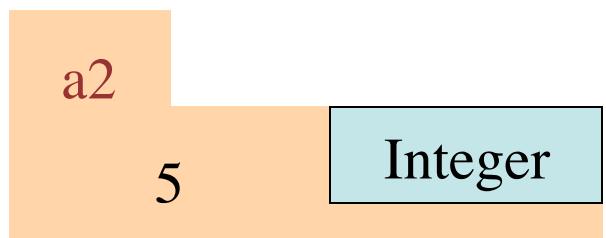
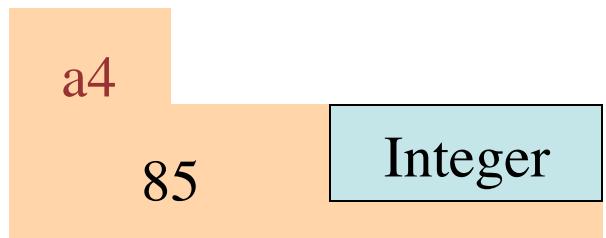
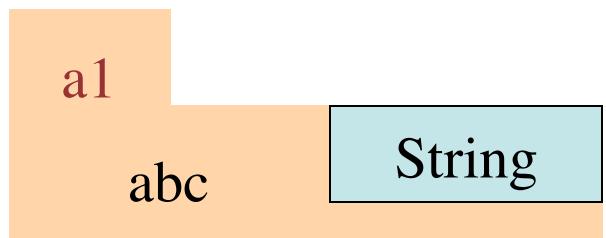


Inserting an element at a position takes time proportional to the number of elements that have to be shifted down.

Retrieving an element



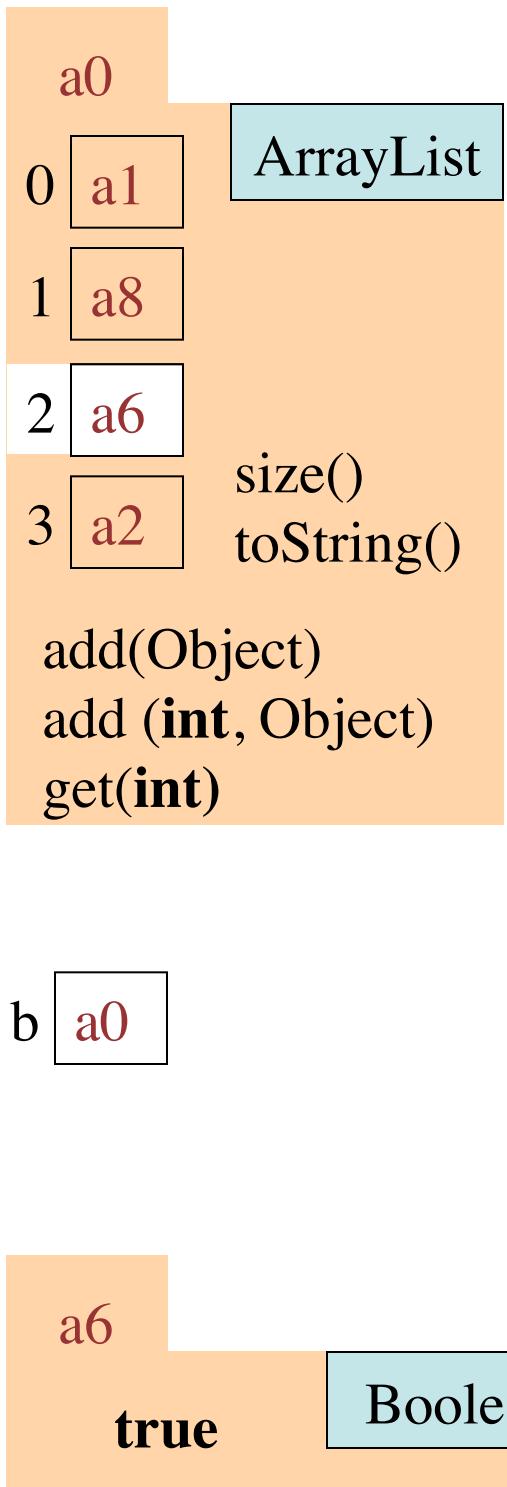
`b.get(k) = the name of the object at position k`



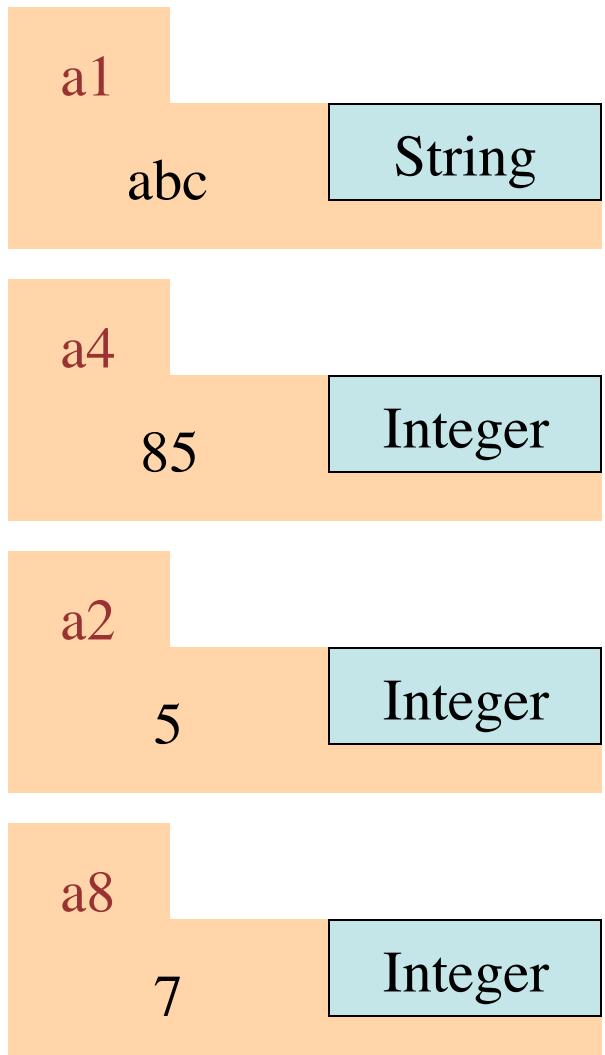
`b.get(2) = a4`

ArrayList is in package java.util.

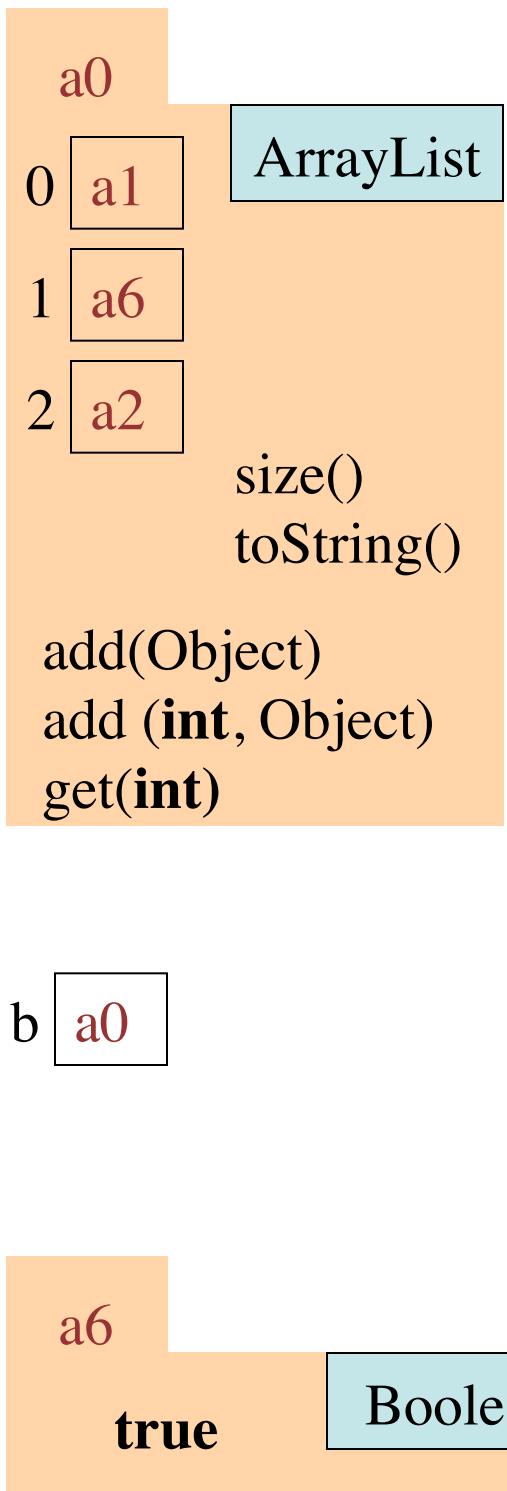
Setting an element



`b.set(2, true)` changes the element at position 2 to a wrapped `true` and returns the object previously at position 2.



Setting an element



`b.remove(1)` removes the object at position 1 of the list.

