











## Separation of concerns

// inv: class invariant is true except k may be out of place
while ( 2\*k+1 < size) {
 //Set c to the child to bubble with
 int c= 2\*k+1; // left child
 if (c+1 < size && compareTo(c+1, c) >= 0) c= c+1;

if (compareTo(k, c) >= 0) return;

}

When to stop bubbling:

k has no children.
 ! k belongs below a child.

How to do the bubbling?

Which child to bubble with?

