CSCE 146 Spring 2001

QUIZ 5

Assigned Tuesday, 01/2/13

Here are two versions of a loop that is used in the `remove()` method of the `IntArrayBag`. After the loop, `index` is set to the location of `target` in the array `data`. If `target` is not in `data`, `index` is set to `manyItems`.

One of these loops may result in an `ArrayIndexOutOfBoundsException`. Which one?

1. `for (index = 0; (index < manyItems) && (target != data[index]); index++);`

2. `for (index = 0; (target != data[index]) && (index < manyItems); index++);`

Answer: The second one may result in the exception. The first one is correct.