2.1.5

2.1.5 For each of the two conditions in the inner `for` loop in insertion sort (ALGO-RITHM 2.2), describe an array of N items where that condition is always false when the loop terminates.

ALGORITHM 2.2   Insertion sort

```
public class Insertion
{
   public static void sort(Comparable[] a)
   {  // Sort a[] into increasing order.
      int N = a.length;
      for (int i = 1; i < N; i++)
      {  // Insert a[i] among a[i-1], a[i-2], a[i-3]... ..
         for (int j = i; j > 0 && less(a[j], a[j-1]); j--)
            exch(a, j, j-1);
      }
   }
   // See page 245 for less(), exch(), isSorted(), and main().
}
```

For condition " j > 0 " to be false whenever the inner loop terminates, the array should be in complete reversed order:

5 4 3 2 1

For condition "less(a[j] , a [j - 1]) " to be false whenever the inner loop terminates, the array should be completely sorted:

1 2 3 4 5