3.1.6

The method put() is called once for every word in StdIn, regardless of whether or not the symbol table already contains the word.

Number of get () calls:
$$G(w, D) = (W-D) + 2D + 1$$

For the first part in the while loop, the method get() is called for every non-distinct word, so that would be represented as (W - D).

For the second part (the for loop), the method is called twice in every loop for the boolean comparison in the if statement. Since the loop repeats itself D times, the get() method is called 2D times.

And the StdOut calls the method once, so +1.

A symbol-table client

```
public class FrequencyCounter
public static void main(String[] args)
   int minlen = Integer.parseInt(args[0]);  // key-length cutoff
   ST<String, Integer> st = new ST<String, Integer>();
   while (!StdIn.isEmpty())
   { // Build symbol table and count frequencies.
      String word = StdIn.readString();
      if (word.length() < minlen) continue; // Ignore short keys.</pre>
      if (!st.contains(word)) st.put(word, 1);
                              st.put(word, st.get(word) + 1);
      else
   }
   // Find a key with the highest frequency count.
   String max = "";
   st.put(max, 0);
   for (String word : st.keys())
      if (st.get(word) > st.get(max))
         max = word;
   StdOut.println(max + " " + st.get(max));
```