Cora Coleman Workshop 8, Algorithms

1. Here is the output of the code changed in BST.java for keeping track of new put()'s and comparisons:

```
total comparisons: 33
original additions: 10
A 8
C 4
E 12
H 5
L 11
M 9
P 10
R 3
S 0
X 7
Coras-MacBook-Air:workshop8 corac$ vim BST.java
```

2. Here is the output of the code changed in FrequencyCounter.java to include BST.java for keeping track of comparisons over N distinct words:

```
Coras-MacBook-Air:workshop8 corac$ java FrequencyCounter 8 < leipzig1M.txt total comparisons over 100 distinct words: 738 total comparisons over 1000 distinct words: 13872 total comparisons over 10000 distinct words: 318560 government 24763 distinct = 299593 words = 4239597
```

