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Section 103
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- Yes it produces the right result. I reformat my output from seconds to milliseconds.
- I tested the result with words.txt and 50x50.grid.txt. When I compile the file with only clang++, the runtime is 449 milliseconds. When I compile the file with –O2 flag, the runtime is 122 milliseconds. It's 327 milliseconds faster.
- It takes 3245 milliseconds to run on the 250x250 grid using words.txt as the dictionary file. It takes 1762 milliseconds to run on the 300x300 grid using words2.txt as the dictionary file. I used my own computer, which has a Mac OSX operating system.
- The running speed of my program is:

  Big-Theta(r*c*w*8(dir)*max_word_size^2)
- The problem I encountered was writing the read-in file part. I was still not very familiar with the command line parameter stuff. In addition, it took me a long time to write the contain() method in hashTable.cpp.
- Shell scripting was not going very pleasantly. It was so strict on syntax and formatting that I got syntax error all the time.