Yifan Guo

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Estimated time: 20 hours

Actual time spent: 12 hours

4. I completed all 3 parts of extra credit.

5. No outside material was referenced. However, I had to post to Piazza questions regarding what to include in the BMI of the constructor of the Boggle class.

6. I enjoyed being challenged to write my own backtracking algorithm for the first time, since I was asked a backtracking algorithm in an interview earlier this semester that I did not know how to do. No suggestions for improvement, really helped me learn more about how recursion works.

7. One thing was slightly vague: in the Extra Credit #1, it says to “verify that all words entered by the user ....have not already been entered by the user.” This doesn’t really make a difference if I am just calling trie.insert(word) on a word that was entered multiple times by the user. However, I did not see the importance of this until Extra Credit #3, where I had to keep track of score. Only here, must I explicitly check if the word was already entered by the user, otherwise points would be added everytime a user entered the same word in the input console.