

Project 3 Rubric (6.5 points/test case)

1. Check that lexiconBuilder loads dictionary of 9 words correctly and that the first two words are in the proper order after sort
2. Check that lexiconBuilder can load empty dictionary correctly and number of words is 0
3. Check that lexiconBuilder loads dictionary of 9 words correctly and that the first and last words are in the proper order after sort
4. Check that lexiconBuilder handles an input file larger than the dictionary array properly
5. Check that if a word with a repeated letter is shown in results more than once, still accept it
6. Check that theJumbler for the word "oto" returns "too" for the results
7. Check that, if a word isn't found, number of results is 0 and results array is empty
8. Check that no fraction of a permutation is being reported as a match in the dictionary
9. Check that theJumbler for the word "neo" returns "one" for the results and no other fractional results
10. Check that theJumbler handles a word that returns more permutations than the maximum the results array can handle
11. Check that one word was found with no duplicates
12. Check that theJumbler for the word "nru" returns both "run" and "urn", as well as number of results equal to 2
13. Verify that the divulgeSolutions function works properly
14. Verify that the combination of lexiconBuilder and theJumbler works together properly
15. Verify the theJumbler function works on an example results array properly
16. Verify 3-letter recursion works on words.txt within proper stack space on dictionary with maximum number of words
17. Verify 4-letter recursion works on words.txt within proper stack space on dictionary with maximum number of words
18. Verify 5-letter recursion works on words.txt within proper stack space on dictionary with maximum number of words
19. Verify 6-letter recursion works on words.txt within proper stack space on dictionary with maximum number of words

20. Verify 8-letter recursion works on words.txt within proper stack space on dictionary with maximum number of words

21. Report (5 points for test words; 5 points for what went well, struggles, etc.)

22. Compilation issues (e.g. improper function arguments, improper function names, improper return values, missing default function implementation, infinite recursion, use of loops)