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CS 32

Project 3

Notable Obstacles

* Adding words into results[] without adding into the same index multiple times – solved by added additional parameter for number for results
* Loop to make sure no results[] does not contain two of the same word was still allowing repetitions to show- solved by having the function return the recursive function, instead of just calling the recursive function
* Using too much stack space – solved with less local variables and passing parameters by reference

Tests

* Words tested on 30k dict
  + “cat”//tests all permutations in dict are shown
  + “regardless”//ten letters and no results
  + “anaconda”//nine letters and no results
  + “regard”//tests no repetitions are shown in results
    - Showed “gerard” twice in results, solved as mentioned above
  + “asdfghjklz”//tests for 10 letters with no possible repetitions for stress test
  + “”//tests empty string
  + “yzgote”// test for last word in dict
* Tests empty dict//tests lexiconBuilder returns 0
* Tests divulgeSolutions with results from cat
  + Size is number of results (5)
  + Size is less than number of results (3)
  + Size is 0