ASSIGNMENT # 1

Problem: World Ladder

Programming Language Python

GitHub Link:

I have solve this problem using dictionaries and python Graph. From pythonds library.

First of all I read all of json file and store it in dictionary, then from words in this dictionary I made a container dictionary which contained all the word with one place difference e.g

FARM , BARM, HARM & WARM is stored in d[‘$ARM’]

WARM WORM in d[‘W$RM’]

WALM & WARM in d[‘WA$M’]

Then I make a graph in which I connect all the word in a container directly(edge cost 1)

Then I use breadth first to find the length of chain

While finding chains of all length I found

