

CS 385
Homework Assignment 6
Due Nov 17, 1:00pm

Prof. Dietrich

Assignment

Use the file `word4.dat` and `graph.dat` (created in homework assignment 4) in a program which implements the word game. In this game, the user is asked to enter two five letter words, and the program prints out the words on a shortest path between these words, if one exists. If either word is not found, or there is no path between these words, the program should report this fact. For example,

```
> play "black" "white"
black
clack
click
clink
chink
chine
whine
white
> play "green" "adfwf"
adfwf not found.
> play "black" "zebra"
no path from black to zebra
>
```

Submit

- The source code of your program, included in a script with the execution of the program, as usual.
- A clear description of the algorithm for finding the shortest path.
- Five examples of your program runs in the script.