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Selection: LAB3 PartA **WordLadder**

**Introduction:**

**Four classes:**

**WordLadder:**

Main access to run the program, with the algorithm of BFS

**GetInput:**

To get the input of TWO words from the user.

**Judge EXTENDS GetInput:**

To judge whether the pairs of words obey the rules of WordLadder

For example: sameLength? Equality? Validation?

**Reader:**

To get the input of filename from the user

Build a container of the valid words called “dict”

**Junit Test with Hamcrest**

//As most of the classed need Input Message, so not all the methods of Classed can be tested

**JudgeTest:**

**@Test**public void judge\_length()

**@Test**public void judge\_equality()

**The console will print PASSED Message when the test are passed.**