Problem X. Write the following function. Your function should work for all possible inputs as specified by the problem. Do NOT hard code. (X points)

Function Name: wordComparison

Inputs (3):

(char) The name of a text file, including a file extension

(char) word 1

(char) word 2

Variable Outputs (0):

File Outputs (1): Text file describing the words in each line of the input file

Based on a given text file, create a new text file that prints out whether word 1 (input 2) or word 2 (input 3) appears more frequently in each line. For each line in the given text file, the output text file should contain the word that appears more often, or 'equal' if they appear an unequal number of times. The filename of the output should be:

'compare_<word1>_<word2>.txt'

Occurrences of these two words should be case insensitive and should include the words as substrings of other words. It does not matter if your output file has a newline at the end.

Test Case:

`catsanddogs.txt`

```
Cats, are great
Dogs are great
cat better than dog
Cats (dog dog)
bye
```

```
>> wordComparison('catsanddogs.txt', 'CAT', 'dog')
```

After running this line of code, `compare_CAT_dog.txt` should be created and contain the following:

`compare_CAT_dog.txt`

```
CAT
dog
equal
dog
equal
```