Declaration of Independence

This activity was created to familiarize you with some more advanced techniques of using command line and the Unix/Linux terminal. This activity involves Bash scripting and cryptography.

Scenario

You belong to a company that has long protected a very important version of the Declaration of Independence. This Declaration of Independence contains a hidden message containing top classified information regarding the creation of the document.

Recently, it was discovered some inside spy got their hands on the file. Unable to crack the code and frustrated, the spy attempted to corrupt the document. They inserted a bunch of garbage words the split the document apart into several files. The spy has been detected and removed from the company.

You have been assigned with the task of writing a Bash script that will restore the document back to it's initial state as well as crack the message, ensuring it hasn't been tinkered with. If the message is intact, a complete sentence in English will be revealed.

Some Hints

- Loop through the each of the 3 documents reading in each word, line by line. *Check samples for ideas*.

- When you reach the word:

    - 'foo': use the next 5 words to construct the document
    - 'bar': use the next 2 words to construct the document
    - 'baz': use the next word to construct the document

- Create a script that will work for several inputs

- To test smaller input to see if you're at least parsing something try out 'test.txt'. You only need to satisfy the 'baz' case for this file and the result will include a single complete sentence if you have it right.

- To separate the Declaration of Independence from the cipher message, you can compare the file to complete Declaration of Independence source file with 'diff' or other method to extract the differing information

- To decrypt the password, try using an online decoder