

#### Problem 4—True Alphabetic Sorting

By a strange coincidence, nearly every spell learned at Hogwarts is an anagram of an English word or phrase that means the same thing! Professor McGonagall wants to write a dictionary for these words. Each word will be stored by its sorted anagram, meaning that the letters will be the same, but will now be in sorted order. This seems easy enough, BUT the letters aren't to be sorted in ASCII order; instead they are to be sorted as follows: 'A', then 'a', then 'B', then 'b', and so forth.

#### INPUT SPECIFICATION.

The file will consist of one or more words, each containing up to ten letters. The words can be preceded, followed, and separated by any number of spaces and <EOLN> characters. The final word will be "END" in uppercase. This word is not to be processed; it merely signals the end of the input.

#### OUTPUT SPECIFICATION.

The output cases are to appear in the same order in which they appear in the input file. Each word is to be sorted and put into the output file, each followed by <EOLN>. Be sure it's formatted properly; in particular, you are not to copy the white space from the input file to the output file. No matter how the input file is formatted, you should put one word per line (as specified) in the output file.

#### SAMPLE INPUT.

```
Voldemort<EOLN>  
Abba<EOLN>  
END<EOLN>  
<EOF>
```

#### SAMPLE OUTPUT.

```
delmoortV<EOLN>  
Aabb<EOLN>  
<EOF>
```