Word Search Programming Problem:

Write a method that processes a data structure of a "word search" puzzle that returns a count of occurrences for a given word.
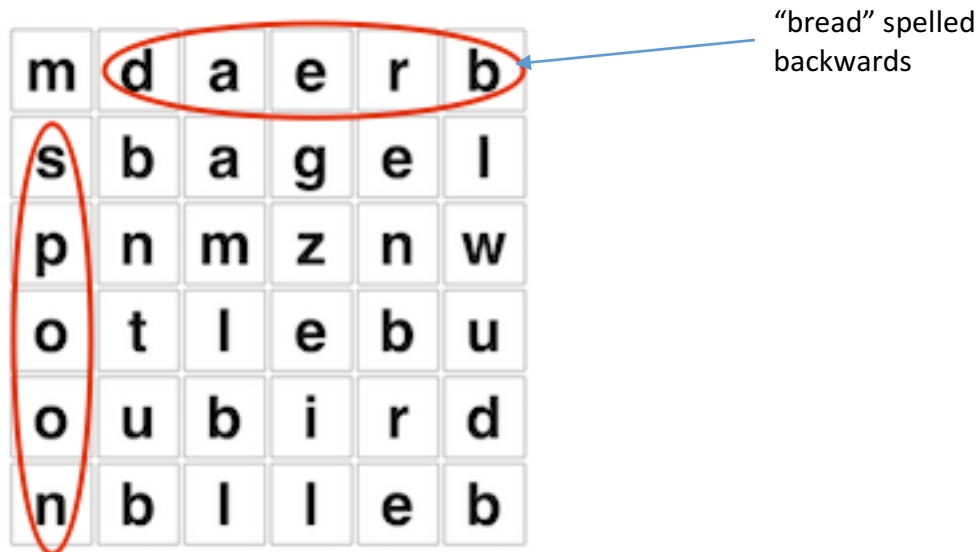The word may be horizontal, vertical, forwards, or backwards.

"bread" spelled backwards

Figure 1 - Example of Input Grid

Use the language or pseudo-code of your choice.

Input:
1. A string representing the word to search for.
2. A 2 dimensional character array representing the word search grid.

Return:
1. An integer representing the number of times the word appears in the puzzle.