Coding Exercise

R	A	E	L
M	O	F	S
T	E	O	K
N	A	T	I

On a 4x4 board, find words that can be formed by a sequence of adjacent (top, bottom, left, right, diagonal) letters. Words must be 3 or more letters.

You may move to any of 8 adjacent letters, however, a word should not have multiple instances of the same cell.

NOTES

The above is an example board. Your solution should accept any board layout of letters.

To check if a string is a valid word you may implement a naive dictionary solution for simplicity.