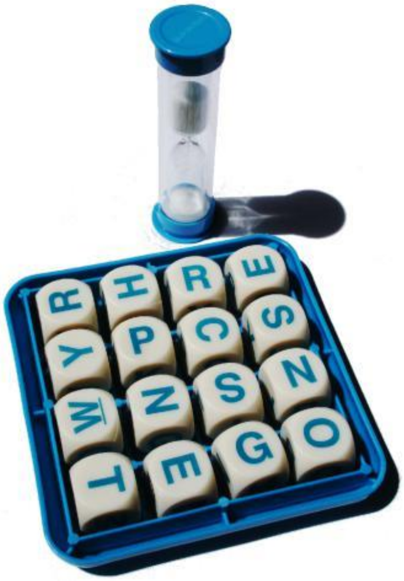
Boggle mayhem!



Description

Imagine there is a 4x4 Boggle board filled with random letters. The boggle board will always have every space filled and will always contain a letter from A-Z uppercase. There are no max to the number of repeating letters possible… meaning the board could be full of b's. Given a boggle board filled with random letters (char[][]) and given a word to find, return whether or not the word exists on the board (true/false).

In java the function may look as such:
public boolean existsOnBoggleBoard(String searchWord, char[][] boggleBoard) {}

Boggle rules

When identifying a word, the letters MUST be touching above, below, on the sides, or diagonally in the order you are building the word. For instance, the bottom right of the picture above, to make the word "SNOG" I could begin at the ***S***, hit the touching n on the right, go down one to ***O***, and then left to ***G*** to complete. YOU MAY NOT reuse a letter that you have already used for the word. If the word were "SNOGS" our function would return false as we could hit the snog, but in order to have that final ***s***, we would have to reuse the S from the beginning of our word.