

Assignment 2

Download the zipped folder "**Assignment 2.zip**", save to your computer, and then extract the files (right click and "Extract All"). This folder contains starter and grader files for Assignment 2.

Assignment 2.zip

IMPORTANT: All subroutines (macros) and functions must be named exactly as indicated in the problem statement(s). Otherwise, the grading file will not recognize your procedures. For each assignment, I have placed one or more starter files that contain the **Sub/End Sub** or **Function/End Function** with the correct procedure names.

Assignment 2 has a starter file available.

Problem Statement

Create a VBA subroutine called **SearchForString** that will search through a selection for a user-defined sub-string. The subroutine will then output (starting in cell **E1**) all words in the original selection that have the sub-string. If there are no matches, a message box should alert the user. Furthermore, the subroutine should output the row number and column numbers of the location in the original selection in which the sub-string was found. These indices should be output to the right of any matching words (row indices starting in cell **F1** and column indices starting in cell **G1**). The flow charts below will help you greatly. **NOTE: Your subroutine should work for *any* selection on the worksheet and for any size of selection, and the output/results should ALWAYS start in E1 to G1 (and rows immediately below for multiple matches).**

Example:

	A	B	C
1	charming	production	pharmacy
2	produce	hello	geology
3	picture	harmful	brake
4	computing	canada	subject
5	geography	mouse	farmer
6			
7			
8			
9			

Search

Microsoft Excel

Please enter string to search for in selection:

OK

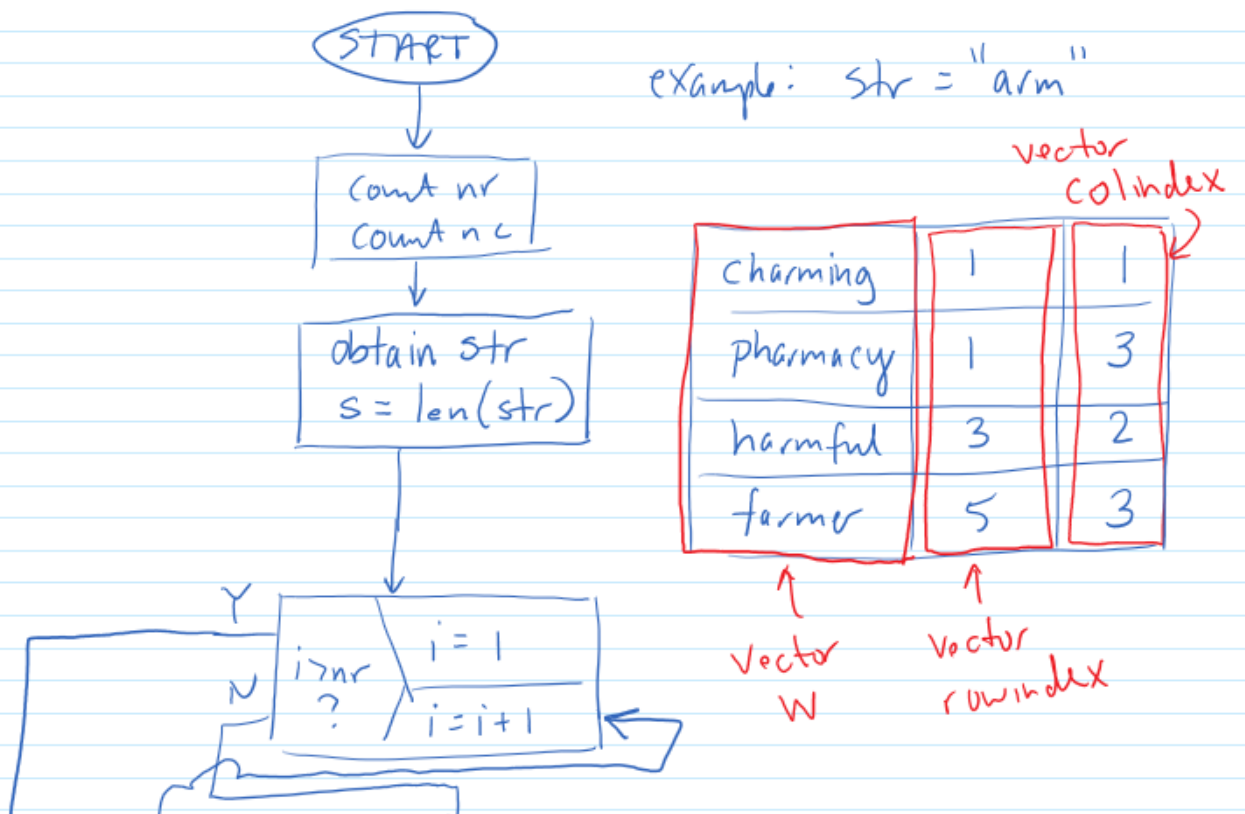
Cancel

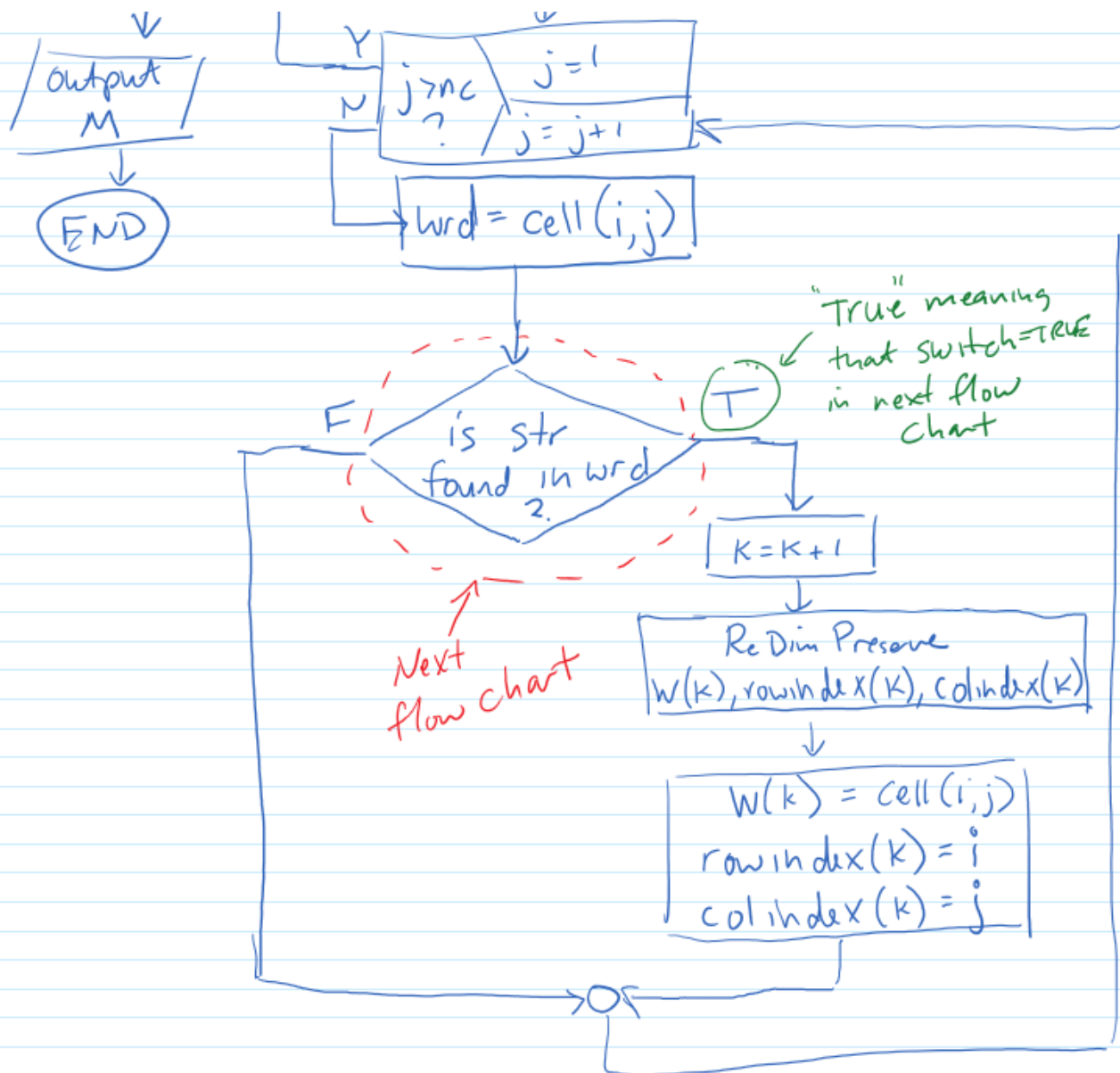
arm

	A	B	C	D	E	F	G
1	charming	production	pharmacy		charming	1	1
2	produce	hello	geology		pharmacy	1	3
3	picture	harmful	brake		harmful	3	2
4	computing	canada	subject		farmer	5	3
5	geography	mouse	farmer				
6							
7							
8							
9							

Search

THE "BIG PICTURE"

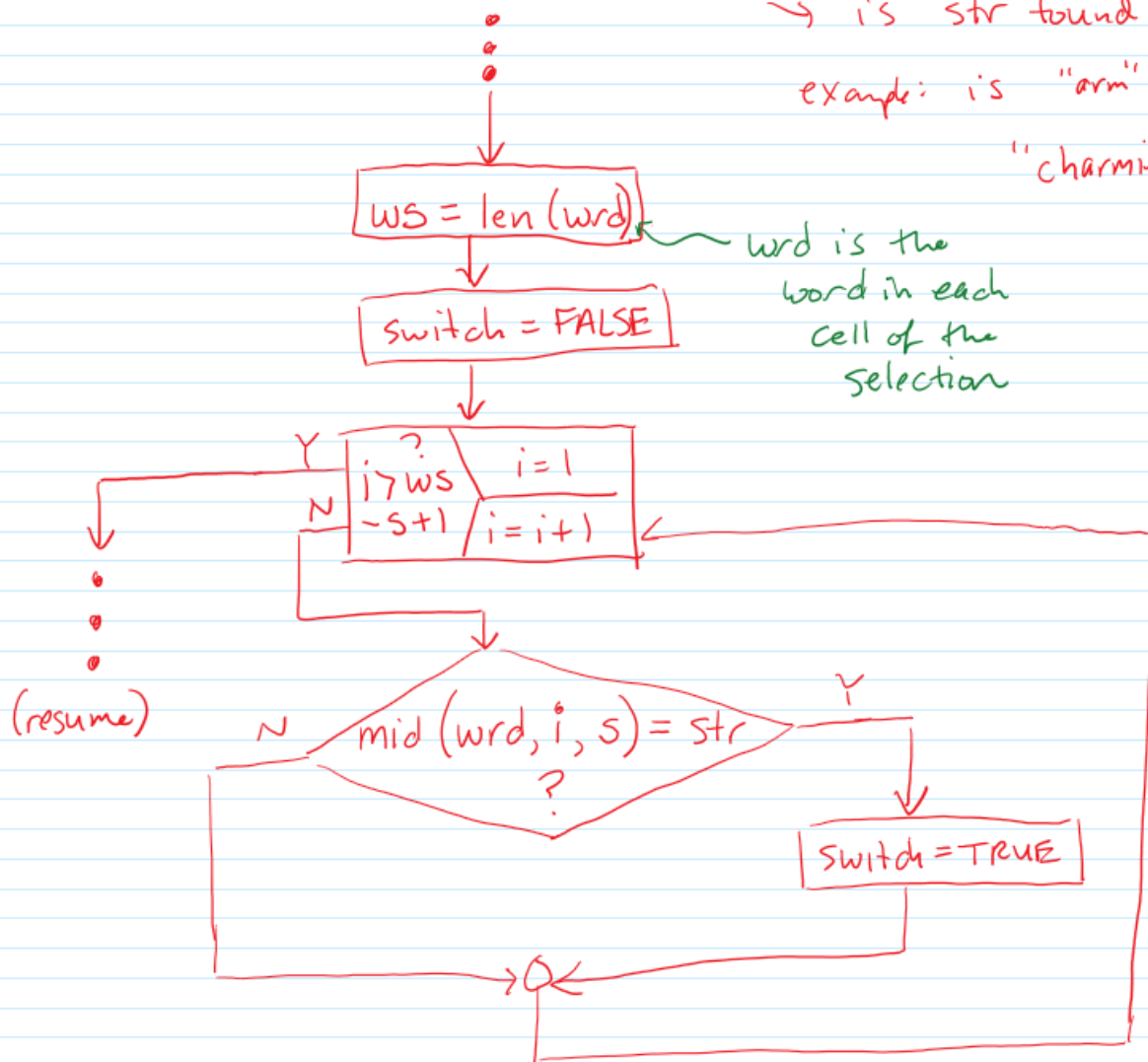




How to determine if str is
in a word?

→ is str found in wrd?

example: is "arm" found in
"charming"?



When you feel that your procedure is working properly, open up the "**Assignment 2 – GRADER.xlsm**" file, which will check your work. If correct, you will be provided a completion code, which you can enter into the Coursera website.