Programming Languages
HW 2, October 31, 2008

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Due: 11/17/08

Problem 1 - LISP
1) Write a function (ZIPLIST list1 list2) (where list1 and list2 have the same length). Consider 2 lists (a b c d) and (e f g h). This function must return the list (a e b f c g d h).

2) Write a function (FIND element list) that try to find element in list. This function returns the number of occurence of element. For instance, (FIND 'a (a b a c a)) returns 3.

Problem 2 - ADA
1) Write a small program that read the user input from STDIN (consider that each input's size can't exceed 500 characters.) and print out the number of characters and the number of words in it. Your program should exit when the user writes "quit".

2) Write you own implementation of a single linked-list (each node contains a string). This implementation must include **append**, **get(index)**, **remove(index)**.