	4 questions in 120 minutes
Define a should re NIL for a if its inp	recursive function that counts the non-nil atoms in a list. For instance, an input like ((a b) c eturn 3, (a ((b (c) d))) should return 4, and so on. Remember that the built-in ATOM return all lists except NIL; NULL returns T only for NIL; ENDP is like NULL, except that it gives an error that the property of the something other than a list. Your function should use a counter/accumulator at two argument function.

Name:
Define a function BRING-TO-FRONT (or BFT for short), that takes an item and a list and returns a version
Define a function BRING-TO-FRONT (or BFT for short), that takes an item and a list and returns a version where all the occurrences of the item in the given list are brought to the front of the list. For instance (bring-to-front 'a '(a b r a c a d a b r a)) would return (A A A A A B R C D B R); and (bring-to-front 'b '(a b r a c a d a b r a)) would return (B B A R A C A D A R A). You are NOT allowed to count the occurrences of the item in the given list or use REMOVE.

stion 3		_
	function that groups the elements in a list putting consecutive occurrences of items in list	
	(group '(a a b c c c d d e)) should give ((A A) (B) (C C C) (D D) (E)).	
	should NOT bring together non-consecutive repetitions; a call like (group '(a b b c b	b
should re	turn ((A) (B B) (C) (B B) (C)).	
		_

Name: ____

Question 4 (20%)

Here is a recursive function that removes the last occurrence of an element from a list:

Here is a similar function that removes the one before the last occurrence:

Specify the LISP expressions that should come in place of ?1, ?2, ?3 and ?4.