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Test output

function name: palindrome

input: 1 list, list1

output: list1 + inverse of list1

```
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(a b c c b a)
```

function name: dbl_atm input: an atom and a list

output: a list with all occurrences of the given atom doubled

```
main.scm
              saved
     (define (dbl_atm atm list1)
      (if (not (null? list1))
        (if (list? list1)
          (if (list? (car list1))
           (list (append (dbl_atm atm (car list1)) (dbl_atm atm (cdr list1))))
            (append (dbl_atm atm (car list1)) (dbl_atm atm (cdr list1)))
6
          (if (eq? atm list1)
8
9
            (append (list atm) (list atm))
            (list list1)
11
12
13
         '()
14
15
16
     (dbl_atm 'a '(a (b c a (a d))) )
17
```

```
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(a a (b c a a (a a d)))
```