

GCL (GNU Common Lisp) Version(2.5.0) Tue Jan 14 14:23:46 EAST 2003  
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Contains Enhancements by W. Schelter

Use (help) to get some basic information on how to use GCL.

```
>(defun flat (x)
  (cond ((atom x) (list x))
        (t (mapcan 'flat x))))
```

FLAT

```
>(flat '(a b c d))
```

(A B C D)

```
>(flat '(a (((b))) c (d (e))))
```

(A B C D E)

>

### Lambda Binding Properties

nick@locutus] more foo

```
(defun foo (x y z)
  ((lambda (z x y)
    ((lambda (z y x)
      ((lambda (a b c)
        (+ a b (* c c) (* a b (+ c c)) c)) ; a+b+c2+(a*b*2c)+c
        x y z))
      x y z))
    x y z))
```

nick@locutus] gcl

GCL (GNU Common Lisp) Version(2.4.0) Tue Apr 30 13:15:51 ADT 2002  
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```
>(load "foo")
Loading foo
Finished loading foo
T
```

```
>(foo 4 1 6)
60
```

```
>(foo 1 2 3)
22
```

```
>(foo 3 2 1)
22
```

```
>(foo 1 3 2)
27
```

```
>(bye)
```