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```

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```

[1]> (defun plus-red (a)
      (if (null a) 0
          (+ (car a) (plus-red (cdr a)))))

```

PLUS-RED

```
[2]> (plus-red '(1 2 3 4 5))
```

15

```
[3]> (plus-red '(1 2 3 4 5 6.5))
```

21.5

```
[4]> (cons 'to '(be or not to be))
```

(TO BE OR NOT TO BE)

```
[5]> (cons '(to be) '(or not to be))
```

((TO BE) OR NOT TO BE)

```
[6]> (defun append (L M)
      (if (null L) M
          (cons (car L) (append (cdr L) M))))

```

APPEND

```
[7]> (append '(to be) '(or not to be))
```

(TO BE OR NOT TO BE)

```
[8]> (defun get_prop (p L)
      (if (eq (car L) p) (cadr L)
          (get_prop p (cddr L))))

```

GET_PROP

```
[9]> (get_prop 'age '(name (Don Smith) age 45 salary 30000
hire-date (Aug 4 80)))
```

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