

## Some Simple Examples

`(numatoms e)` returns the number of non-pairs (leaves) in the binary tree that corresponds to `e`.

```
(define numatoms (lambda (e)
  (if (not (pair? e)) 1
      (+ (numatoms (car e))
          (numatoms (cdr e)) ) ) ))
```

`(level e)` returns the level of the binary tree that corresponds to `e`.

```
(define level (lambda (e)
  (cond
    ((not (pair? e)) 0)
    ;
    ; ((> (level (car e)) (level (cdr e)))
    ;   (+ 1 (level (car e)) )
    ;   (#t (+ 1 (level (cdr e)))) ) )
    ;
    ;
    ; (#t (+ 1 (max (level (car e))
                    (level (cdr e)) ))) ) ) )
```

(isomorph e1 e2) returns #t iff the binary trees that correspond to e have the same shape.

```
(define isomorph (lambda (e1 e2)
  (cond
    ((not (pair? e1)) (not (pair? e2)))
    ((not (pair? e2)) #f)
    (#t (and (isomorph (car e1) (car e2))
              (isomorph (cdr e1) (cdr e2)) ) ) ) ) )
```