

```

(define-struct foo (l nxts))
;; Foo is (make-foo String ListOfBar)
;; ListOfBar is one of:
;; - empty
;; - (cons Bar ListOfBar)

(define-struct bar (f nxt))
;; Bar is (make-bar Frotz Foo)

(define-struct link (c f))
;; Frotz is one of
;; - false
;; - (make-link Color Frotz)

```

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(define (fn-for-foo f)
  (... (foo-l f)
        (... (fn-for-lob (foo-nxts f)))))

(define (fn-for-lob lob)
  (cond [(empty? lob) (...)]
        [else
         (... (fn-for-bar (first lob))
               (fn-for-lob (rest lob)))]))

(define (fn-for-bar b)
  (... (fn-for-frotz (bar-f b))
        (fn-for-foo (bar-nxt b))))

(define (fn-for-frotz f)
  (cond [(false? f) (...)]
        [else
         (... (link-c f)
               (fn-for-frotz (link-f f)))]))

```