

```

(@htdd Tree Label Blue Green ListOfTree)
;; Tree is one of:
;;   - false
;;   - Blue
;;   - Green
;; interp. A very simple tree

;; Label is String
;; interp. a label of a element in a tree

(define-struct blue (lab subs))
;; Blue is (make-blue Label ListOfTree)
;; interp. A Blue tree with a label and a list of sub trees

(define-struct green (lab l r))
;; Green is (make-green Label Tree Tree)
;; interp. A Green tree with a label and two sub trees

;; ListOfTree is one of:
;;   - empty
;;   - (cons Tree ListOfTree)
;; interp. a list of trees

```

Assignment Project Exam Help

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```

(define (fn-for-tree n)
  (cond [(false? n) (...)]
        [(blue? n) (fn-for-blue n)]
        [else (fn-for-green n)]))

(define (fn-for-label l)
  (... l))

(define (fn-for-blue b)
  (... (fn-for-label (blue-lab b))
       (fn-for-lot (blue-subs
b)))) (define (fn-for-green g)
  (... (fn-for-label (green-lab g))
       (fn-for-tree (green-l g))
       (fn-for-tree (green-r g))))

(define (fn-for-lot lot)
  (cond [(empty? lot) (...)]
        [else
         (... (fn-for-tree (first lot))
              (fn-for-lot (rest lot)))]))

```

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