Quiz

October 20, 2014

Name:

Here is a data definition for a BinaryTree:

;; A BinaryTree is one of:
;; - (make-leaf Number)
;; - (make-node BinaryTree BinaryTree)
(define-struct leaf (val))
(define-struct node (left right))

Design the function sum-tree which sums up the numbers in a BinaryTree. Here are the tests for this function.

(check-expect (sum-tree (make-leaf 3)) 3)
(check-expect (sum-tree (make-node (make-leaf 7) (make-leaf 3))) 10)