

```
#|
<BinTree> ::= (leaf <value>)
              | (in-node <value> <BinTree> <BinTree>)
|#
;; Inductive type for representing binary trees
(deftype BinTree
  (leaf value)
  (in-node value left right))

;; height :: BinTree -> Integer
;; Devuelve la altura del arbol binario
(define (height bt)
  (match bt
    [(leaf _) 0]
    [(in-node _ l r) (+ 1 (max (height l) (height r)))])
```