

```
;; fold-bintree :: (Number -> A) (Number A A -> A) -> (Bintree -> A)
;; fold over numeric binary trees
(define (fold-bintree f g)
  (λ (bt)
    (match bt
      [(leaf v) (f v)]
      [(in-node v l r) (g v
                          ((fold-bintree f g) l)
                          ((fold-bintree f g) r))])))

;; max-bintree :: BinTree -> Number
;; Returns the maximum element of a (numeric) binary tree
(define max-bintree
  (fold-bintree identity max))

;; sum-bintree :: Bintree -> Number
;; Returns the sum of the elements of a numeric binary tree
(define sum-bintree
  (fold-bintree identity +))
```