## [Browse source program] [Execute source program]

```
data BinTree a = Leaf | Branch a (BinTree a) (BinTree a)
findCurry Leaf = False
findCurry (Branch x l r) = x == "Curry" || findCurry l || findCurry r

type IntTree = BinTree Int

total :: IntTree -> Int
total Leaf = 0
total (Branch x l r) = x + total l + total r

sample1 = Branch "is" (Branch "Curry" Leaf Leaf) (Branch "good" Leaf Leaf)
sample2 = Branch 7 (Branch 5 Leaf Leaf) (Branch 9 Leaf Leaf)
-- tests:
-- findCurry sample1
-- total sample2
```