

Lib.hs

Generator Visualizer

src > Lib.hs > Lib > genTree

1

39 prop_reverseInvolution :: Property
40 prop_reverseInvolution = forAll genLis
41 | reverse (reverse xs) == xs
42
43 data Tree a = Leaf | Node (Tree a) a (
44
45 instance ToJSON (Tree Int)
46
47 genTree :: Gen (Tree Int)
48 genTree = sized aux
49 | where
50 | aux 0 = pure Leaf
51 | aux n =
52 | frequency
53 | [(1, pure Leaf),
54 | (n, Node <\$> aux (n `div` 2))
55 |]
56
57 genTree4 :: Gen (Tree Int)
58 genTree4 = aux (3 :: Int)
59 | where

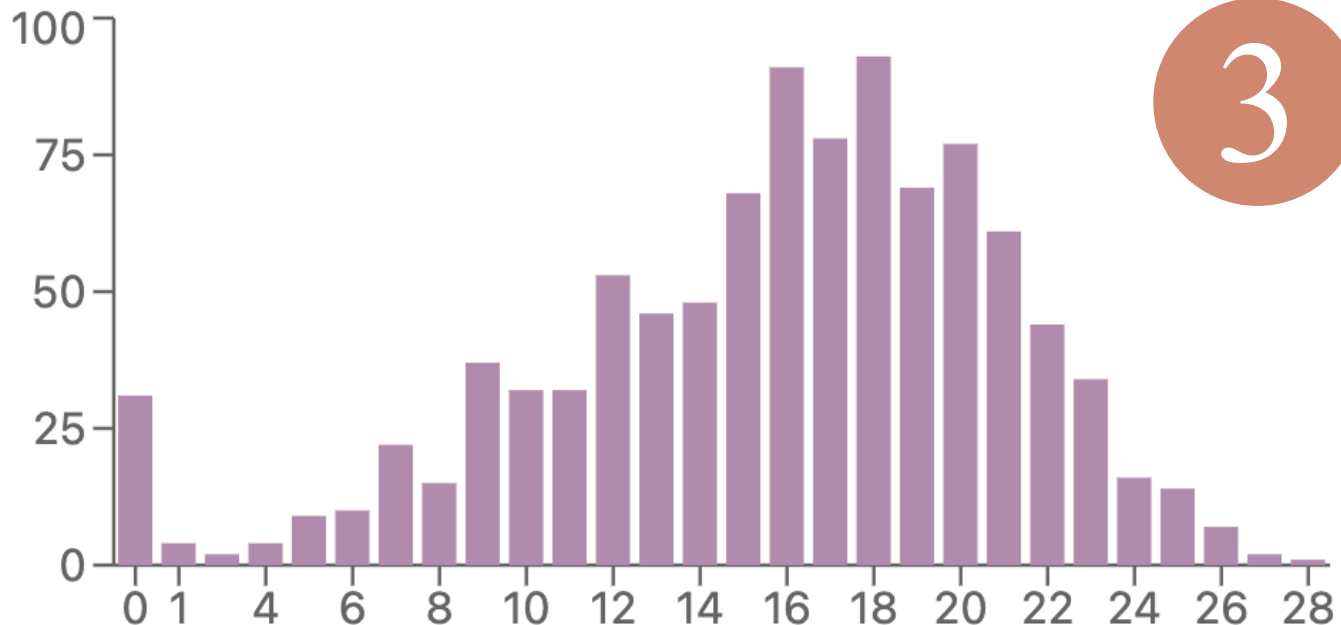
GenVis: Visualize Generator Distribution

2

Unique
969

Total
1,000

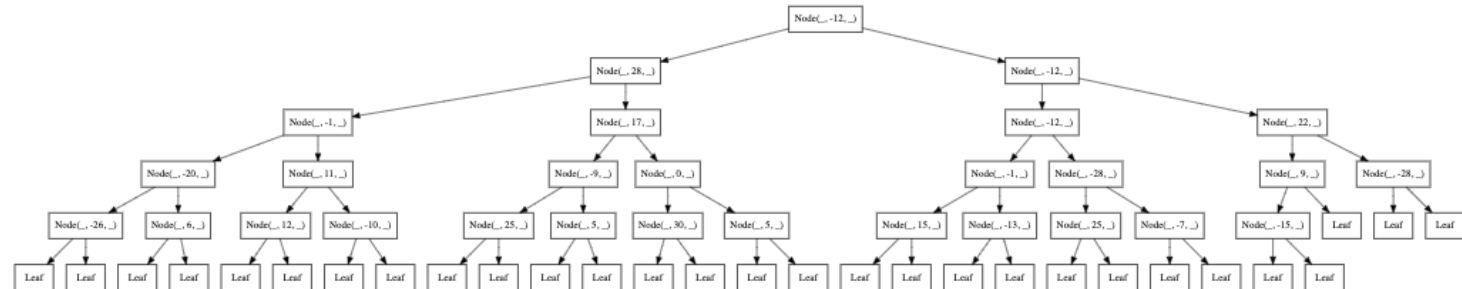
Distribution of size



3

Minimum by size
Leaf

Maximum by size



4

Ln 54, Col 12 Spaces: 2 UTF-8 LF Haskell Spell