

src > Lib.hs > Lib > genTree

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

```
GenVis: Visualize Generator Distribution
57 genTree4 :: Gen (Tree Int)
58 genTree4 = aux (3 :: Int)
59   where
```

2

1

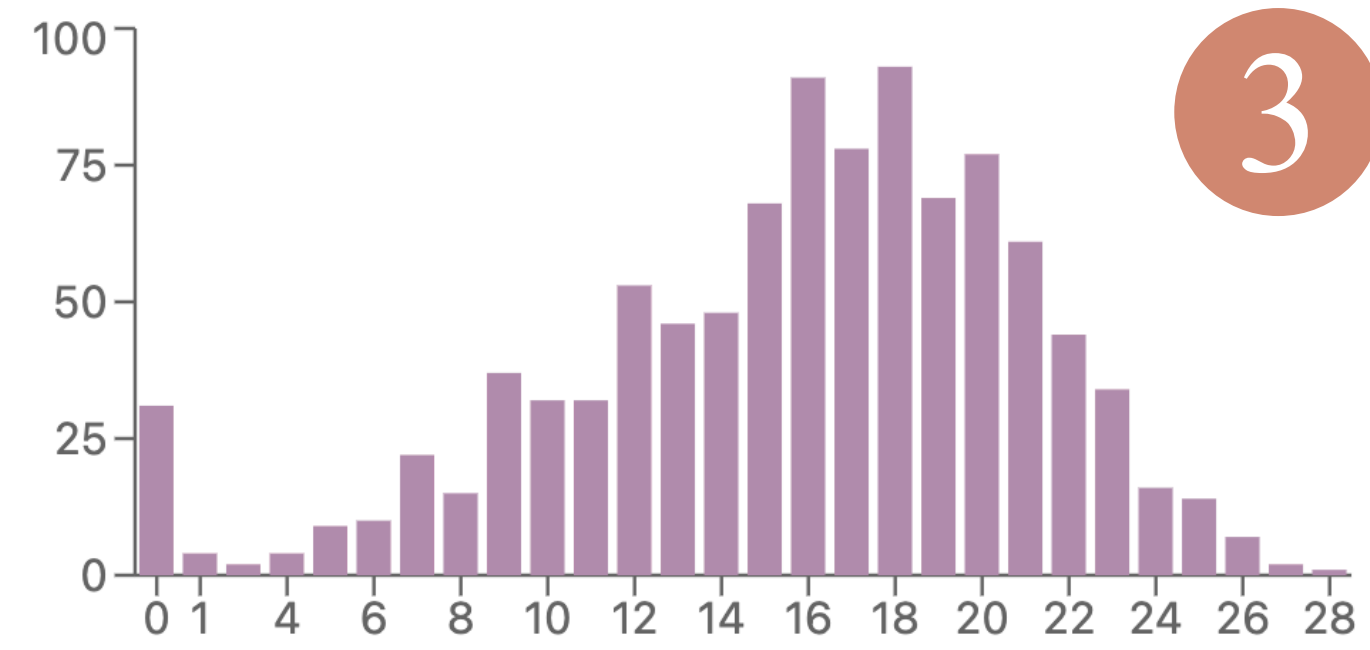
3

4

Unique
969

Total
1,000

Distribution of size



Minimum by size

Leaf

Maximum by size

