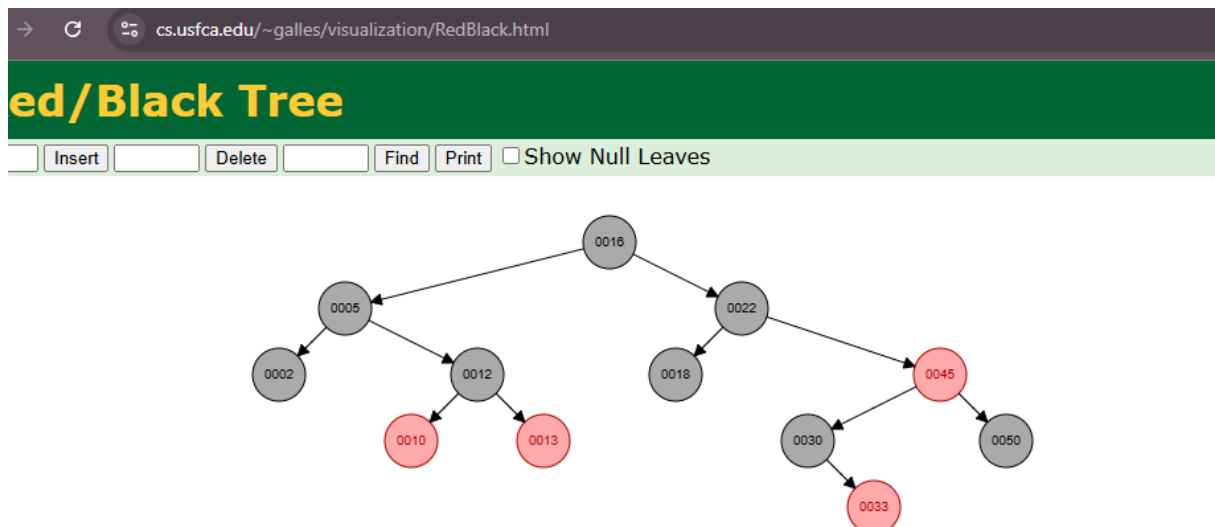
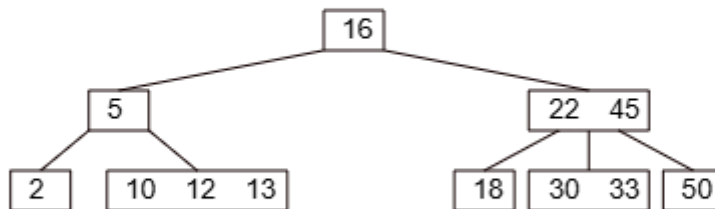


2-4 Tree Animation by Y. Daniel Liang

ch button to search the key in the tree. Click the Insert button to insert the key into the tree. For the best display, use integers between 0 and 99.



////////////////

True

False

True

False

////////////////////

```
function isPermutation(A, B)
  if length(A) ≠ length(B) then
    return False

  countA := empty dictionary
  for each element x in A do
    if x in countA then
      countA[x] := countA[x] + 1
    else
      countA[x] := 1

  countB := empty dictionary
  for each element y in B do
    if y in countB then
      countB[y] := countB[y] + 1
    else
      countB[y] := 1

  if countA = countB then
    return True
  else
    return False
```

overall time complexity is $O(n)O(n)O(n)$.