Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Colors swapped
Fixing the path to the root

Rotated Left 'A'
Fixing the path to the root

Rotate Right 'L'
Inserting new element O

Compared with G is greater
Fixing the path to the root

Colors swapped
Inserting new element R
Compared with O is greater
Inserting new element I

Compared with G is greater
Fixing the path to the root

Colors swapped
Inserting new element H
Compared with L is smaller
Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Colors swapped
Fixing the path to the root

Rotate Right 'L'
Fixing the path to the root

Rotate Right 'L'
Inserting new element M
Compared with I is greater
Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Rotated Left 'G'
Fixing the path to the root

Colors swapped
Fixing the path to the root

Rotate Right 'O'
Inserting new element S

Compared with I is greater
Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Colors swapped
Inserting new element C

Compared with I is smaller
Inserting new element C

Compared with G is smaller
Inserting new element A

Compared with G is smaller
Inserting new element M

Compared with O is smaller
Inserting new element B

Compared with G is smaller
Inserting new element B
Compared with C is smaller
Inserting new element B

Compared with A is greater
Fixing the path to the root

Swapping colors of these nodes
Fixing the path to the root

Rotate Right 'C'
Inserting new element R

Compared with I is greater
Inserting new element E
Compared with I is smaller
Inserting new element E
Compared with G is smaller
Inserting new element D
Inserting new element L

Compared with O is smaller
Inserting new element 1

Compared with G is smaller
Inserting new element 1
Compared with 5 is smaller
Inserting new element 6

Compared with 5 is smaller
Searching for A

Compared with I is smaller
Searching for predecessor of M

Compared with L is greater
Searching for predecessor of M

Found the node