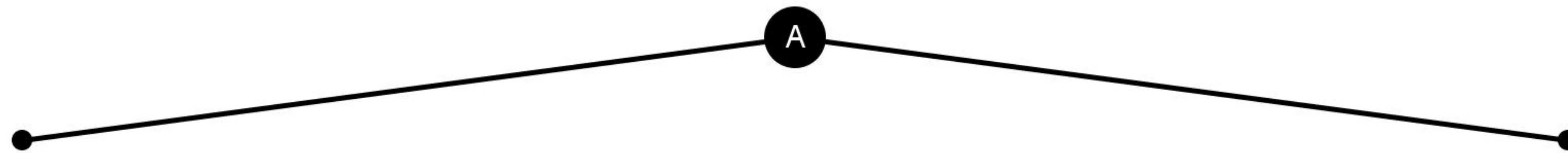
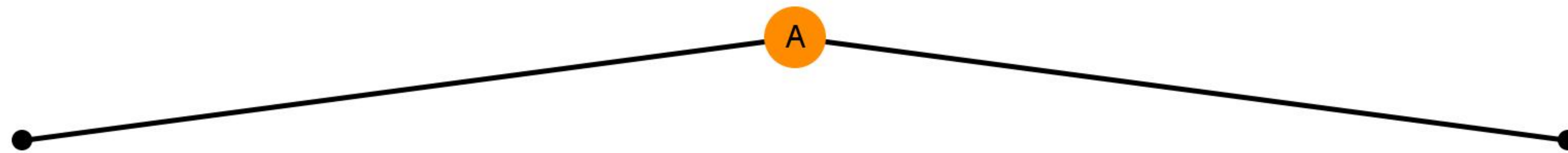


The element has been added



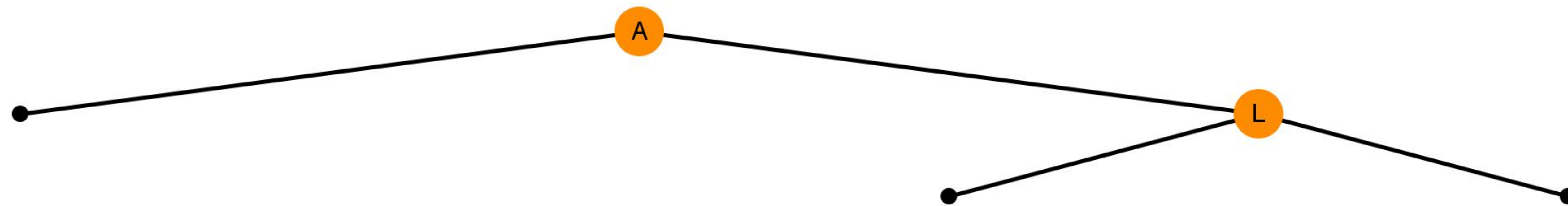
Inserting new element L

Compared with A is greater



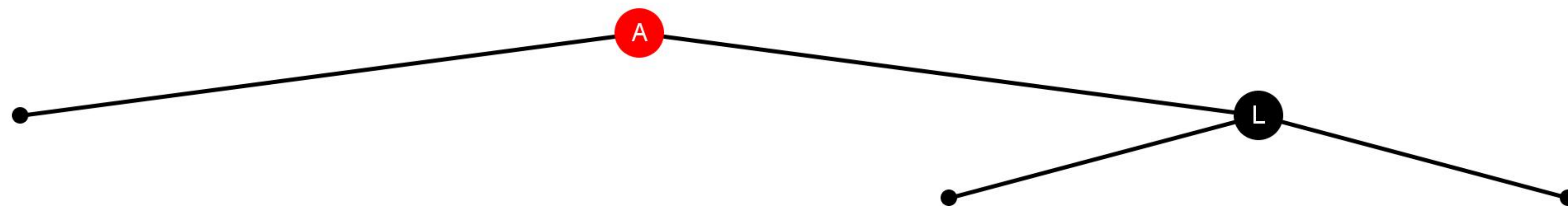
Fixing the path to the root

Swapping colors of these nodes



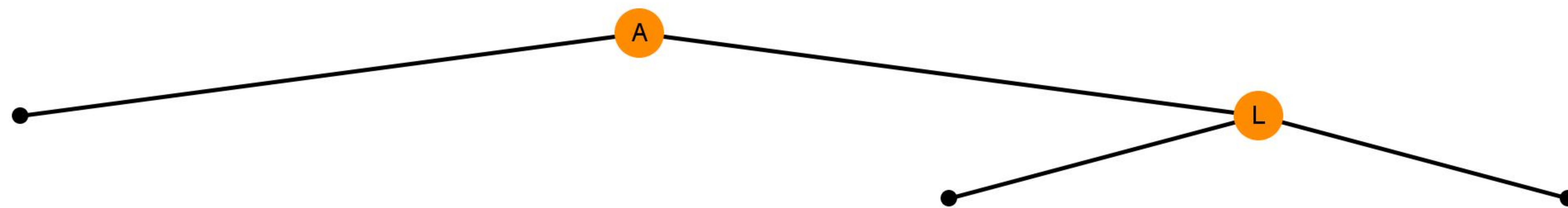
Fixing the path to the root

Colors swapped



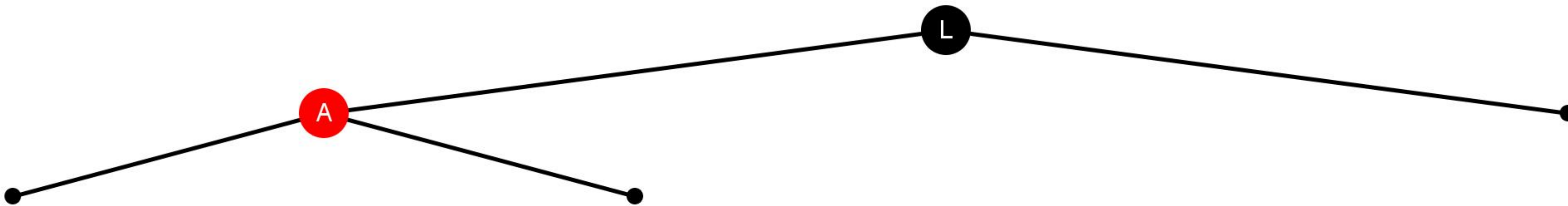
Fixing the path to the root

Rotate Left 'A'



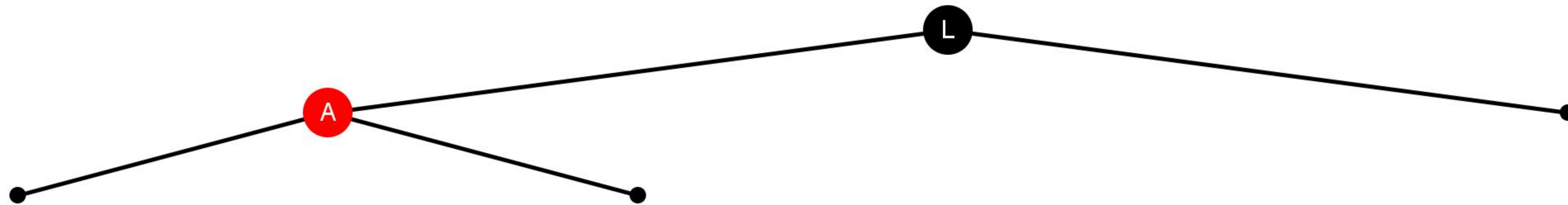
Fixing the path to the root

Rotated Left 'A'



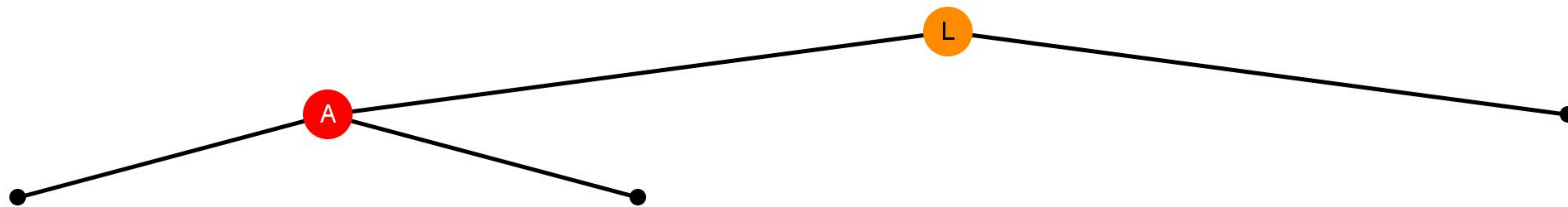
The element has been added

Rotated Left 'A'



Inserting new element G

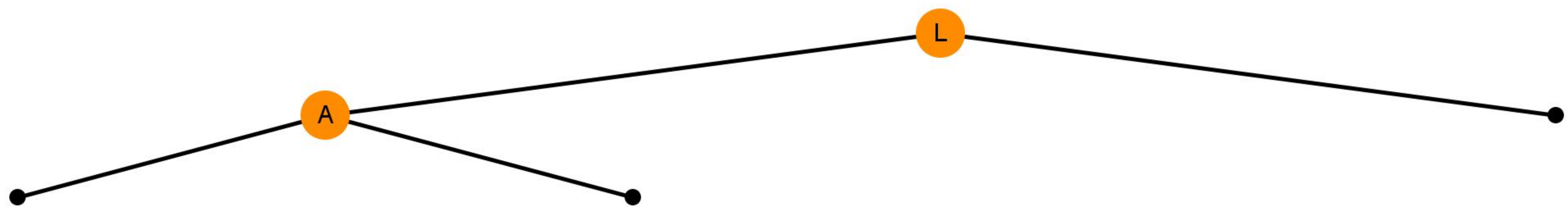
Compared with L is smaller





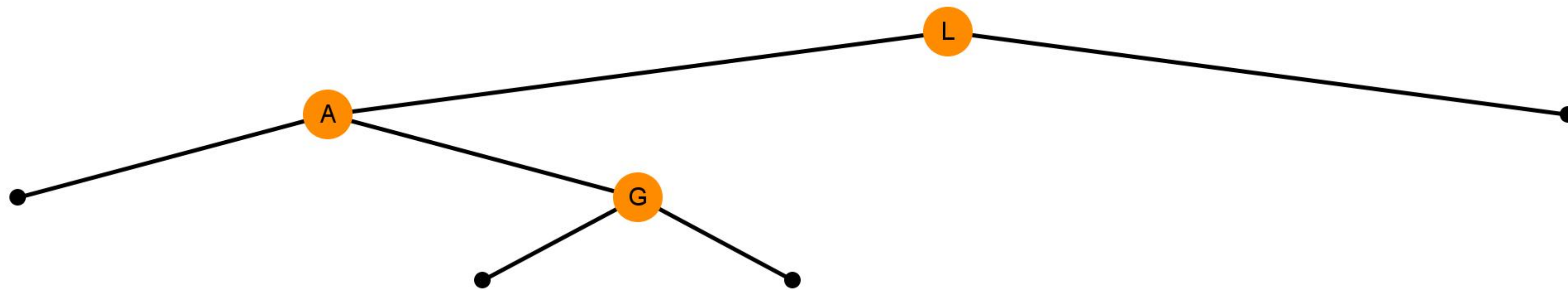
Inserting new element G

Compared with A is greater



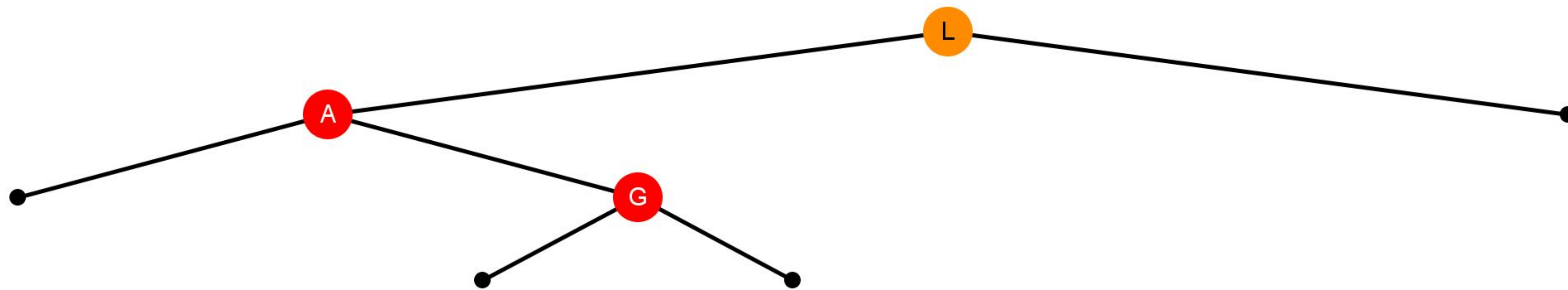
Fixing the path to the root

Swapping colors of these nodes



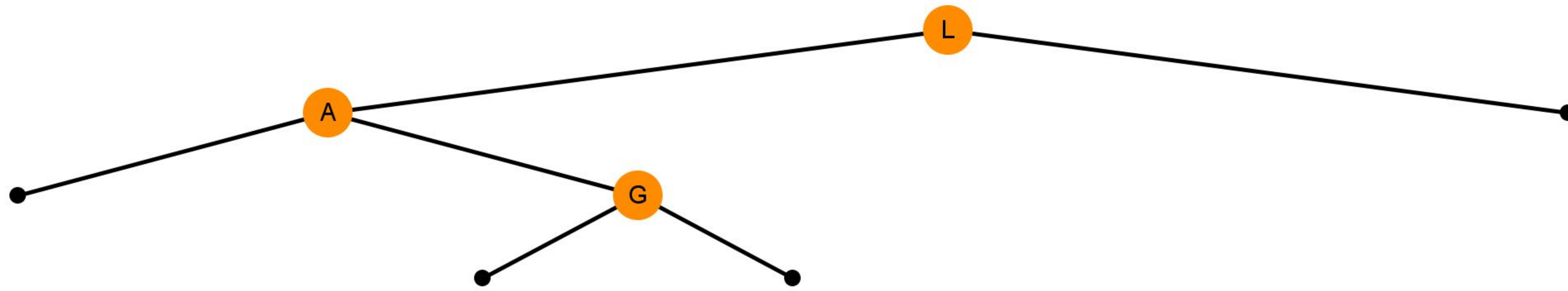
Fixing the path to the root

Colors swapped



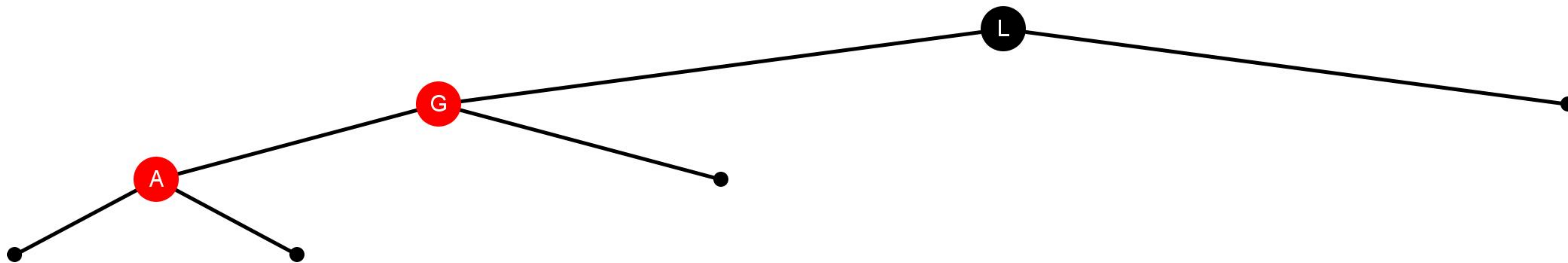
Fixing the path to the root

Rotate Left 'A'



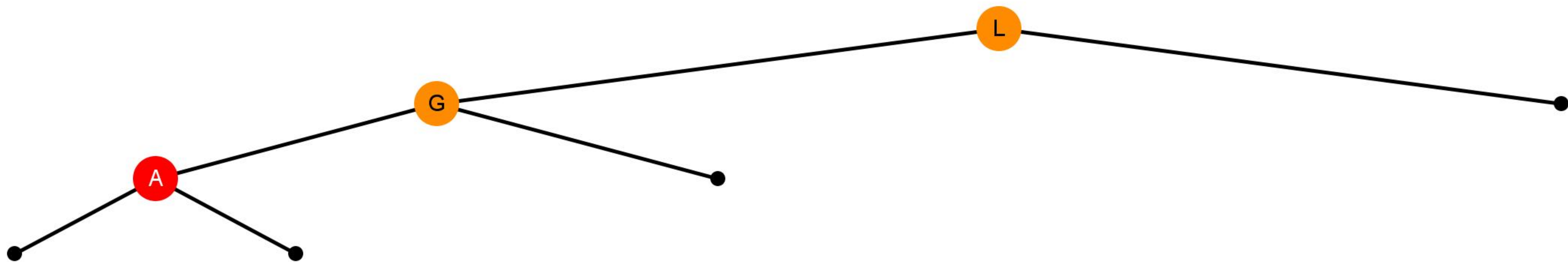
Fixing the path to the root

Rotated Left 'A'



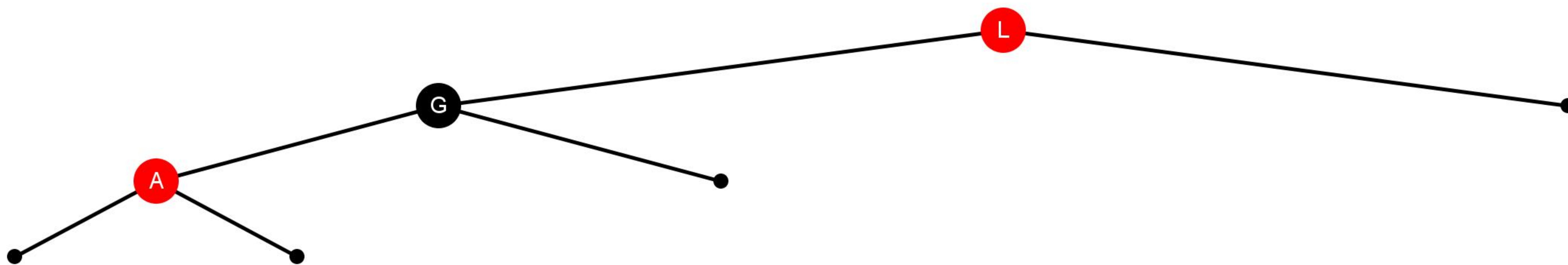
Fixing the path to the root

Swapping colors of these nodes



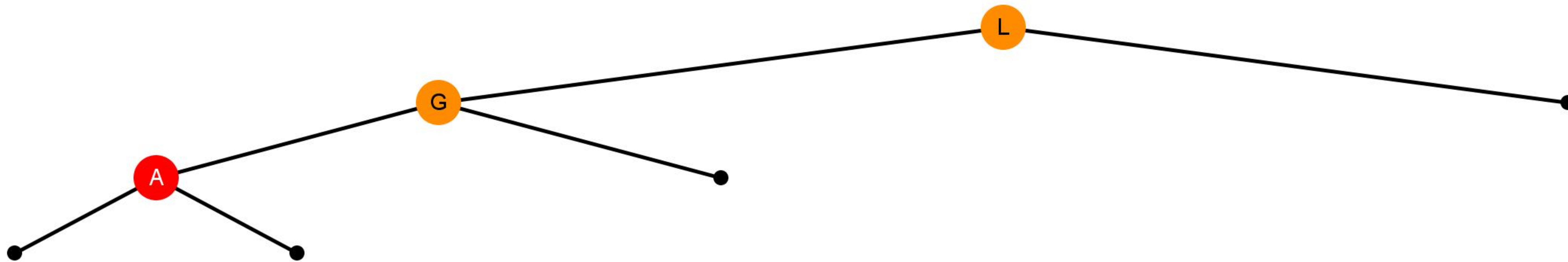
Fixing the path to the root

Colors swapped



Fixing the path to the root

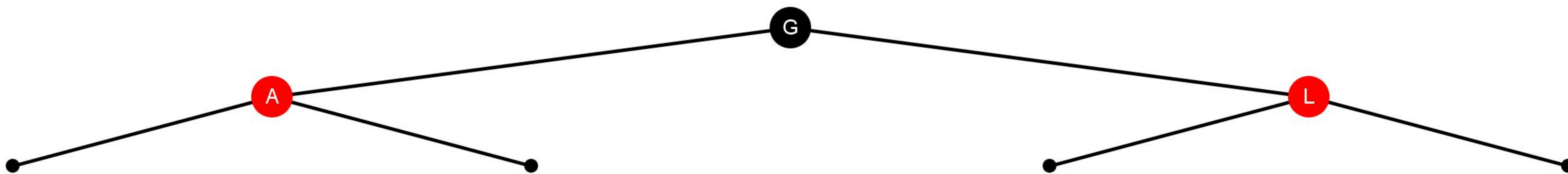
Rotate Right 'L'





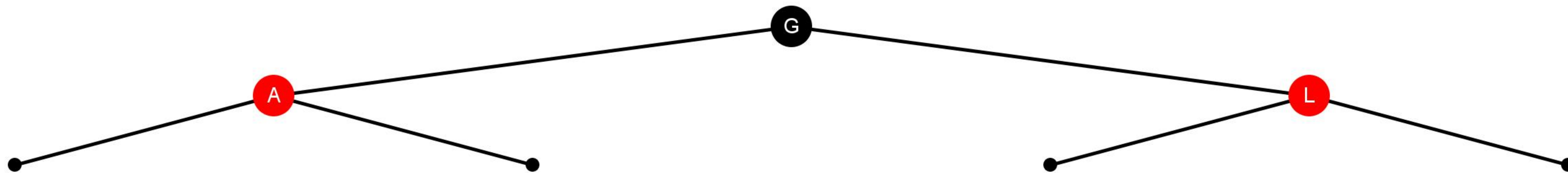
Fixing the path to the root

Rotate Right 'L'



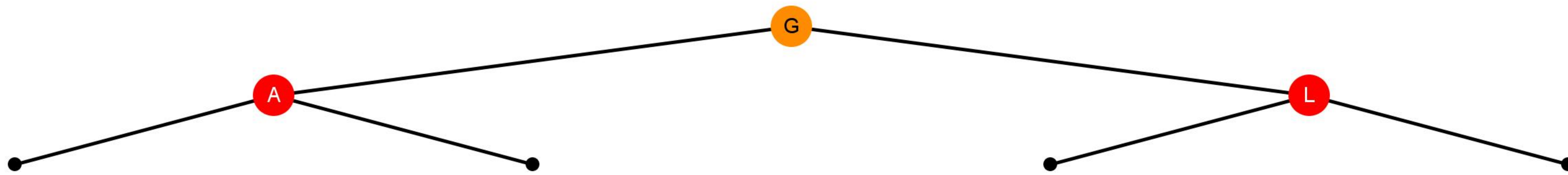
The element has been added

Rotate Right 'L'



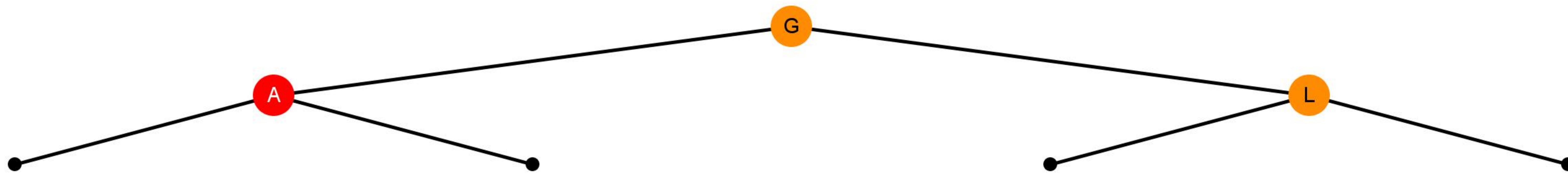
Inserting new element O

Compared with G is greater

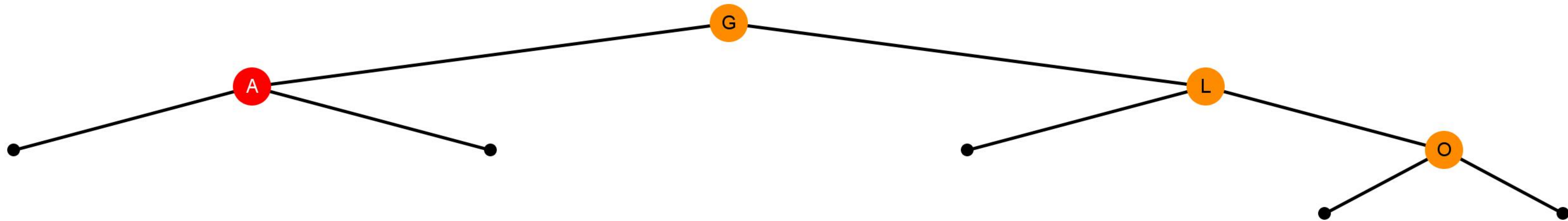


Inserting new element O

Compared with L is greater



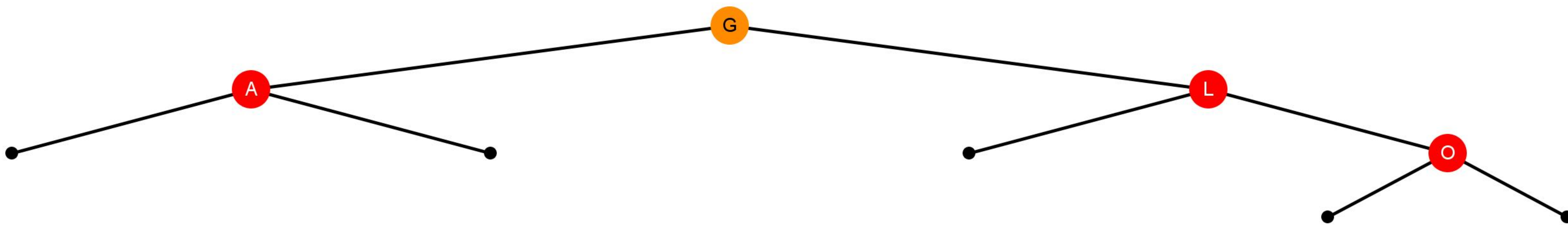
Fixing the path to the root



Swapping colors of these nodes

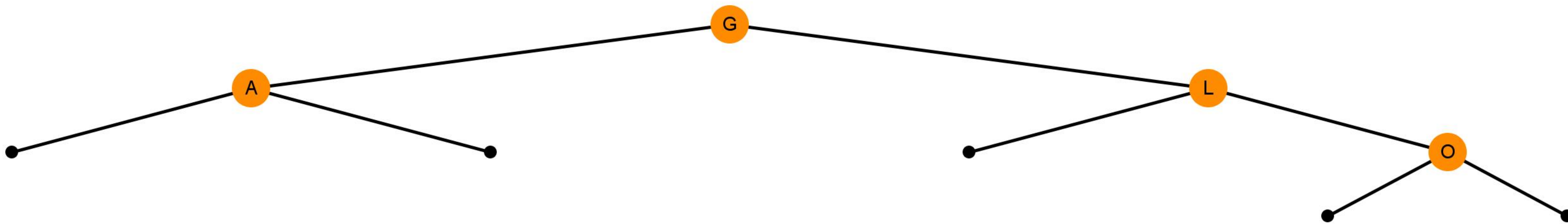
Fixing the path to the root

Colors swapped



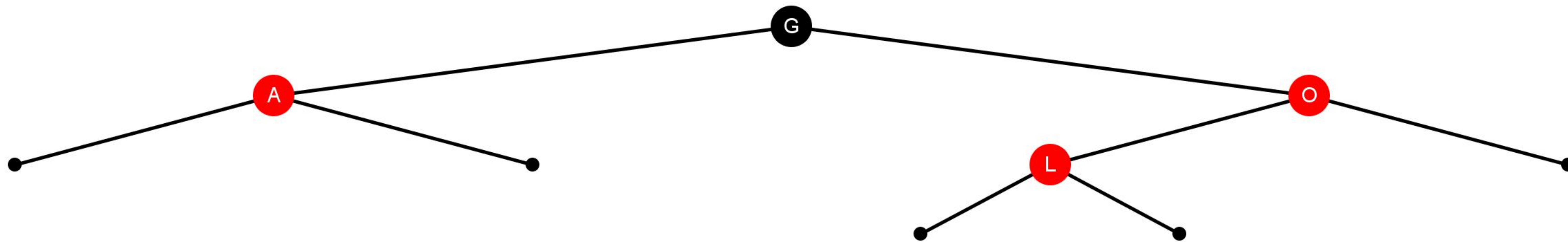
Fixing the path to the root

Rotate Left 'L'



Fixing the path to the root

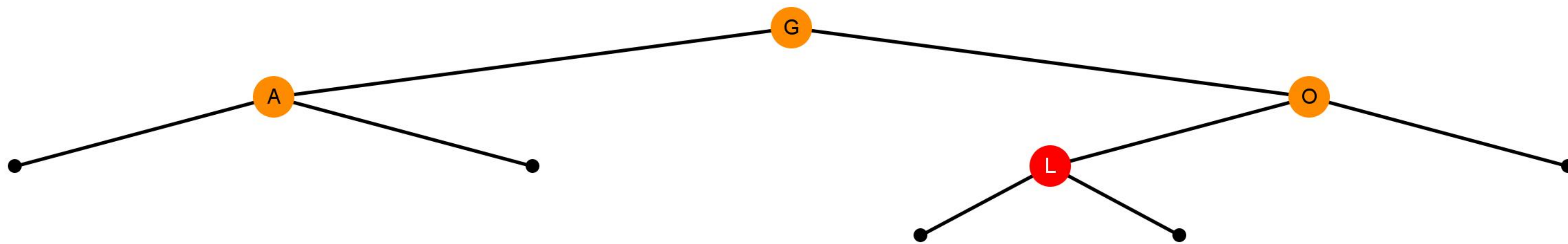
Rotated Left 'L'





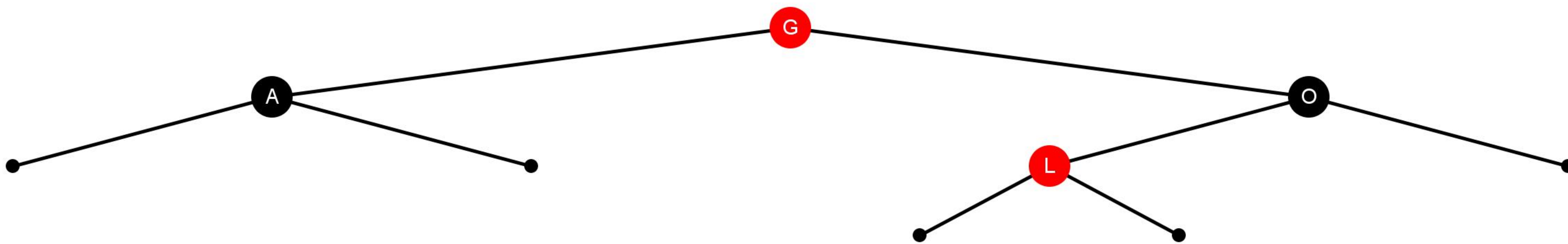
Fixing the path to the root

Push Black on G



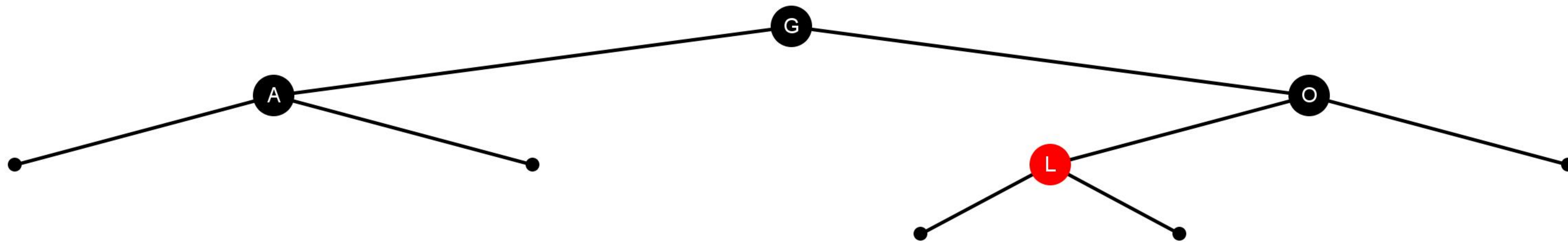
Fixing the path to the root

Push Black on G performed



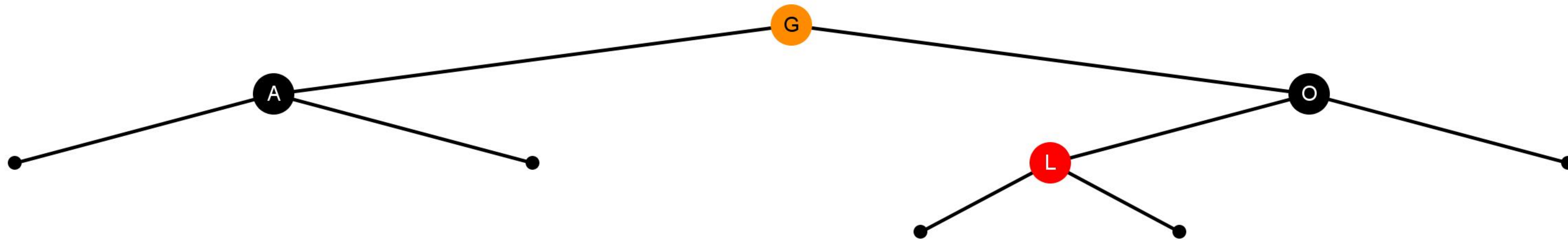
The element has been added

Push Black on G performed



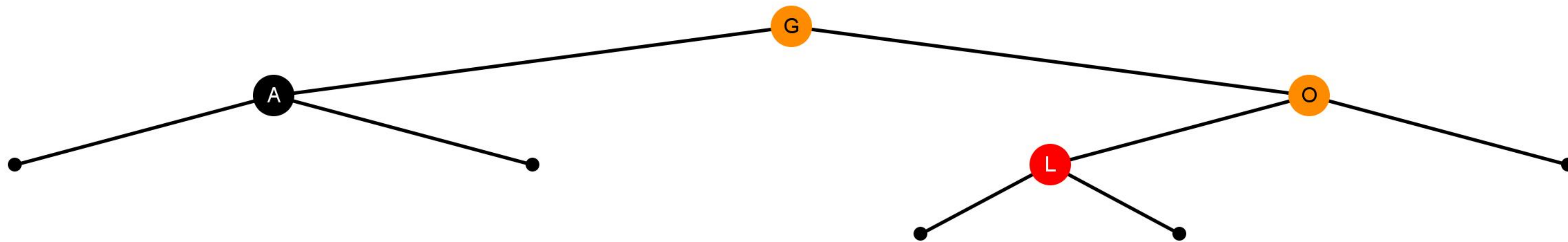
Inserting new element R

Compared with G is greater



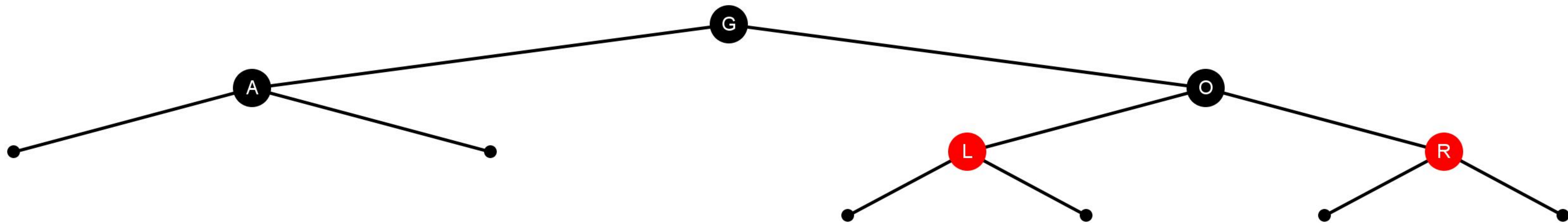
Inserting new element R

Compared with O is greater



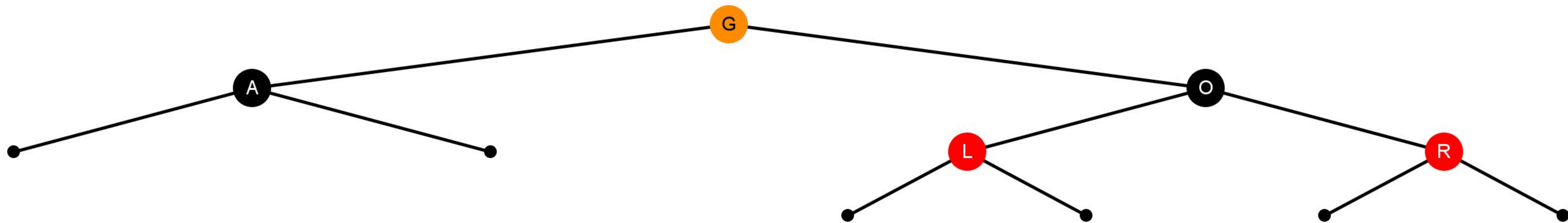
The element has been added

Compared with O is greater



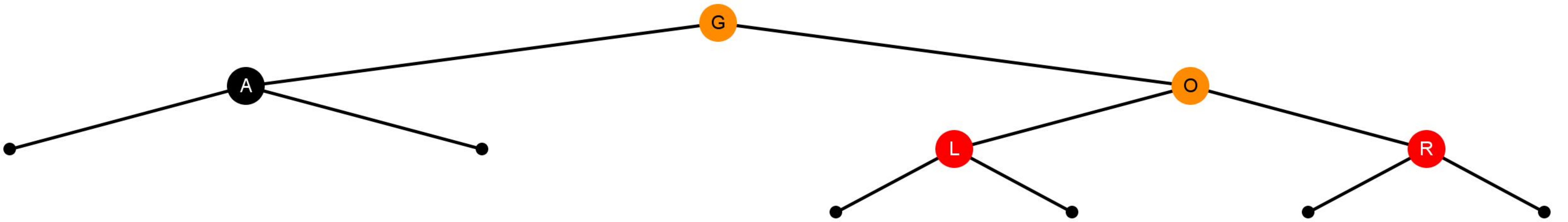
Inserting new element I

Compared with G is greater



Inserting new element I

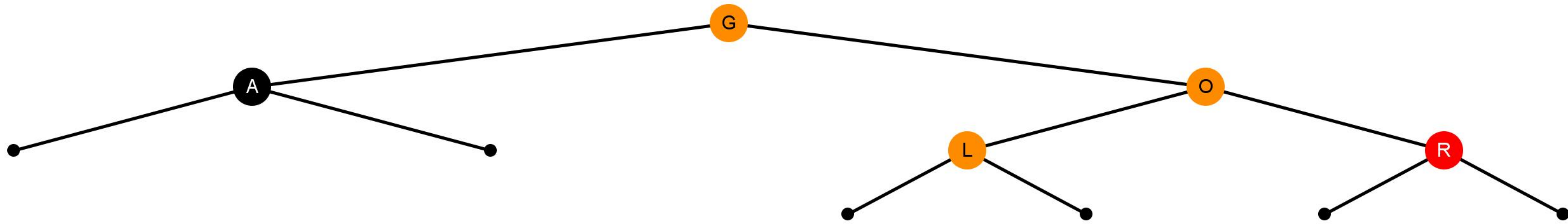
Compared with O is smaller





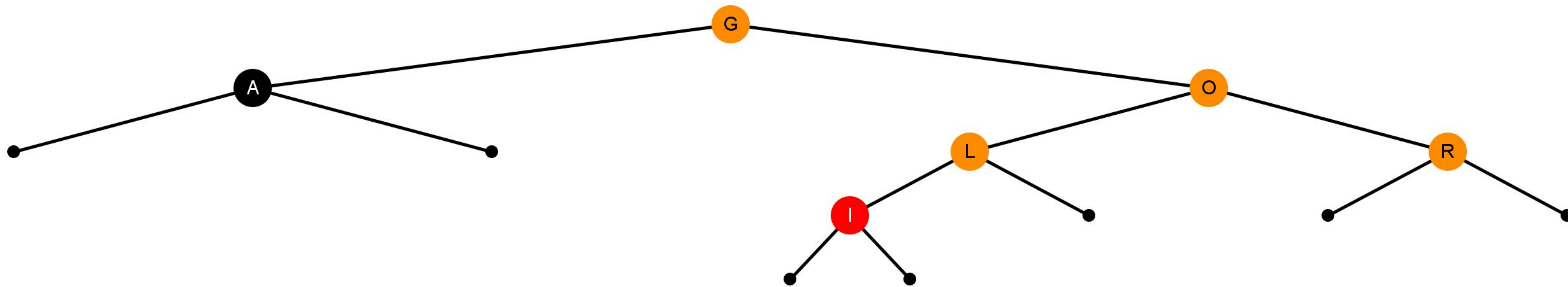
Inserting new element I

Compared with L is smaller



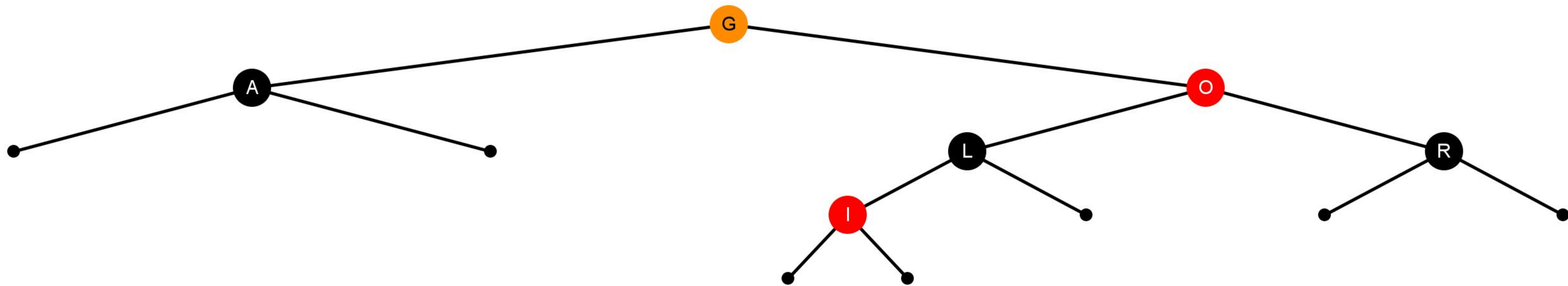
Fixing the path to the root

Push Black on O



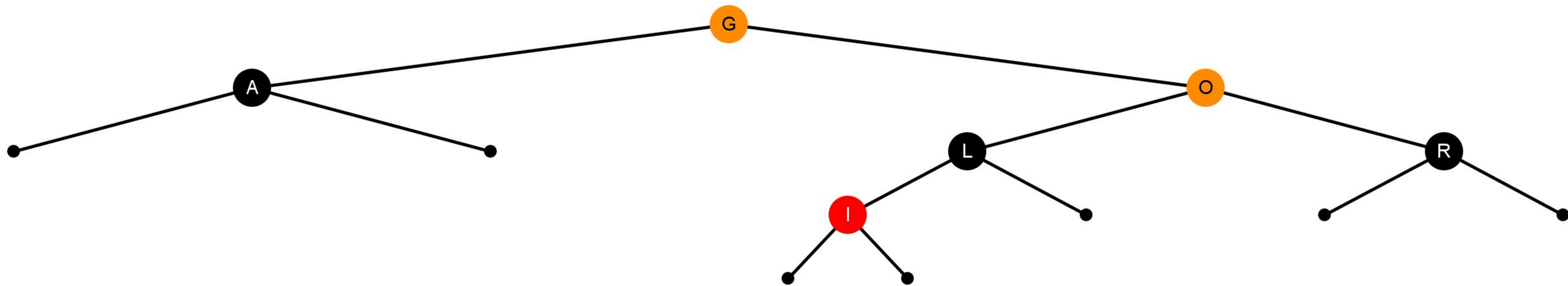
Fixing the path to the root

Push Black on O performed



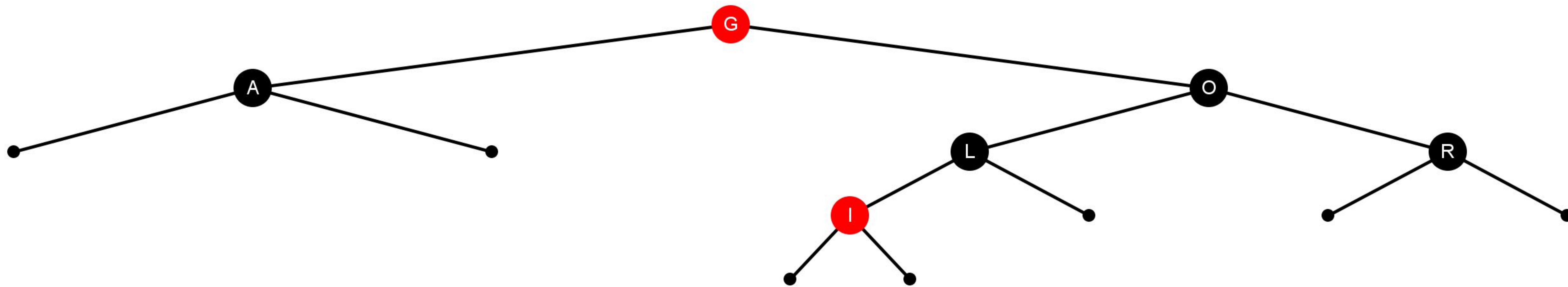
Fixing the path to the root

Swapping colors of these nodes



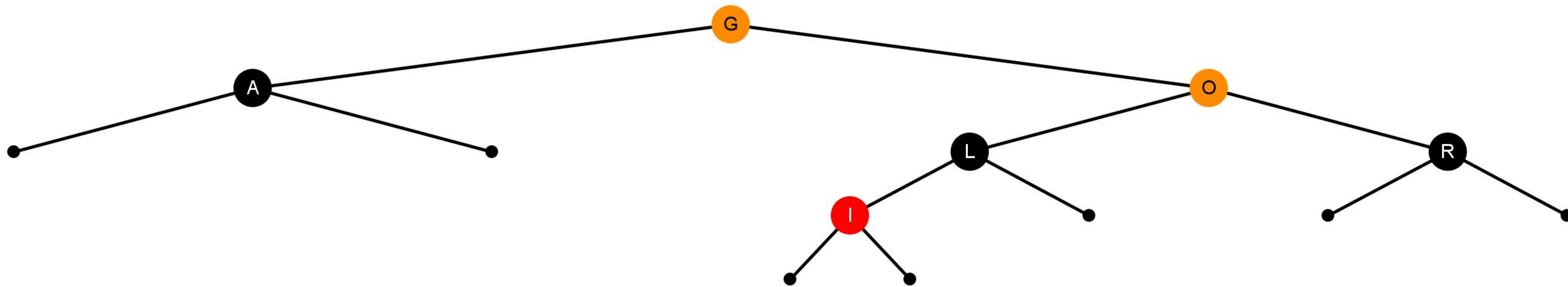
Fixing the path to the root

Colors swapped



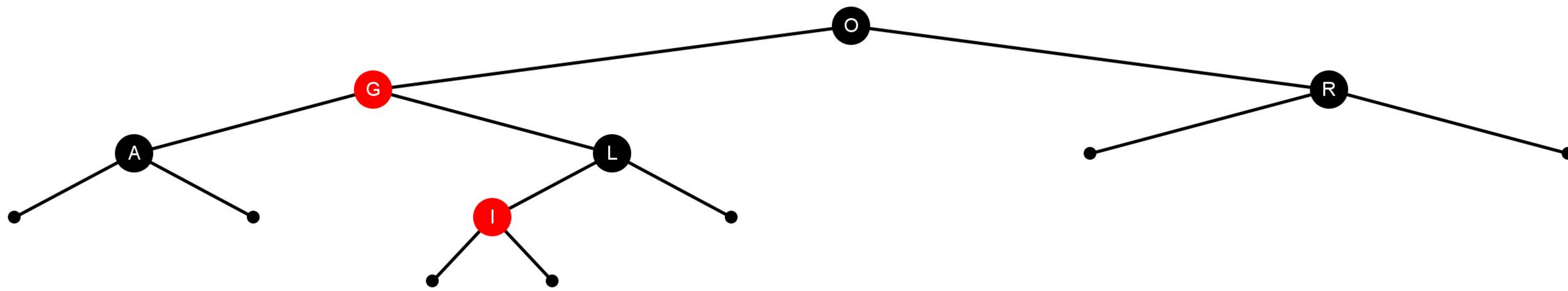
Fixing the path to the root

Rotate Left 'G'



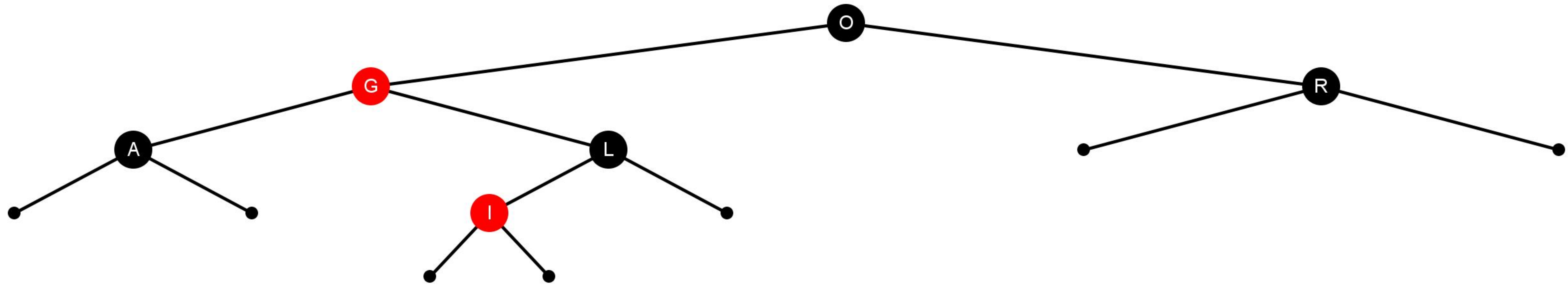
Fixing the path to the root

Rotated Left 'G'



The element has been added

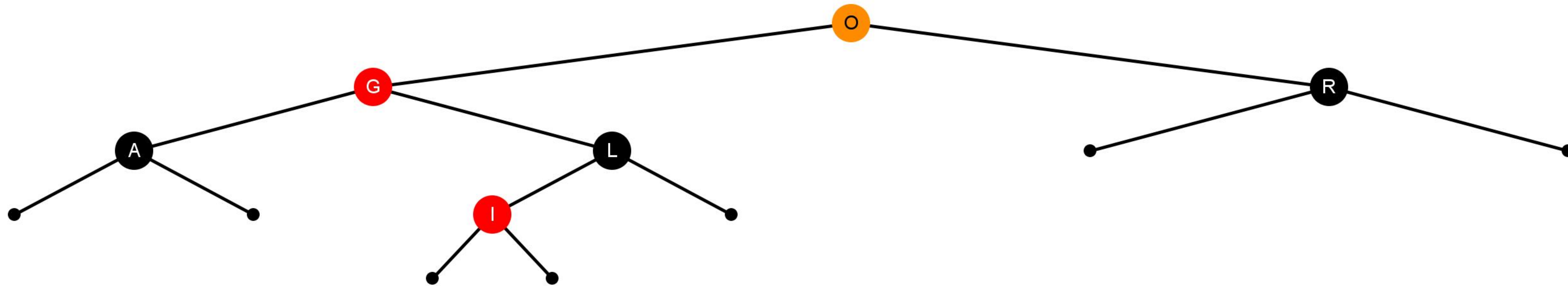
Rotated Left 'G'





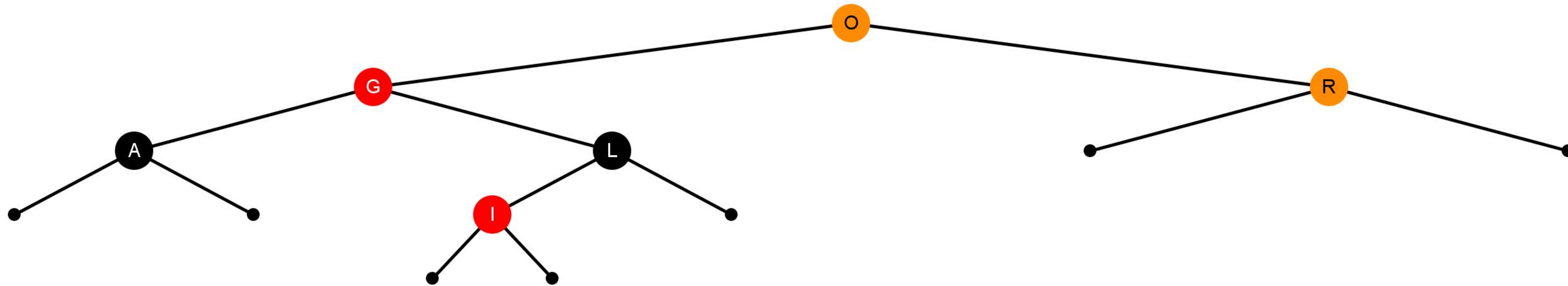
Inserting new element T

Compared with O is greater



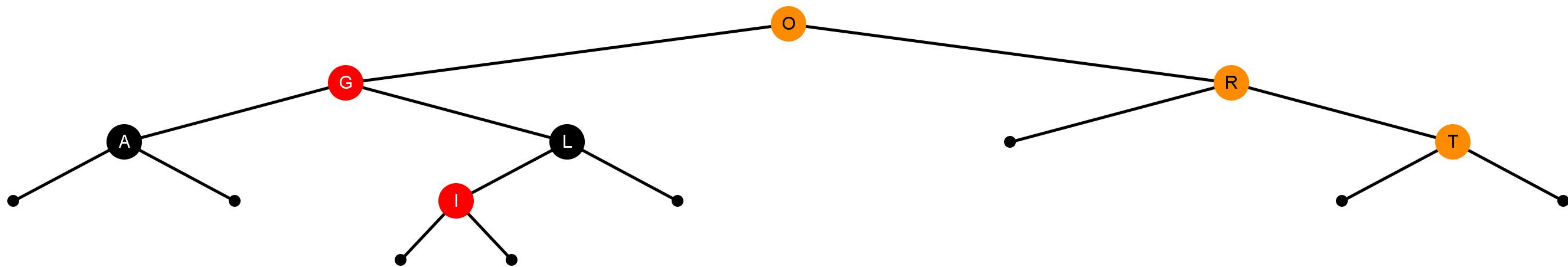
Inserting new element T

Compared with R is greater



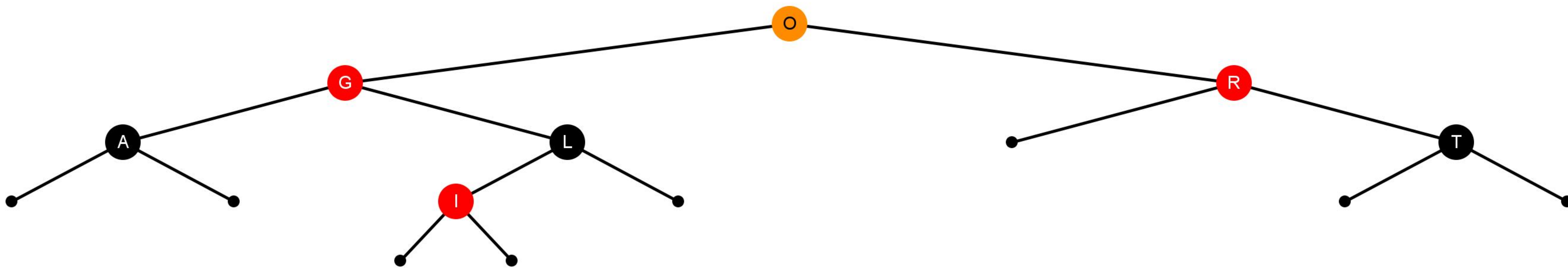
Fixing the path to the root

Swapping colors of these nodes



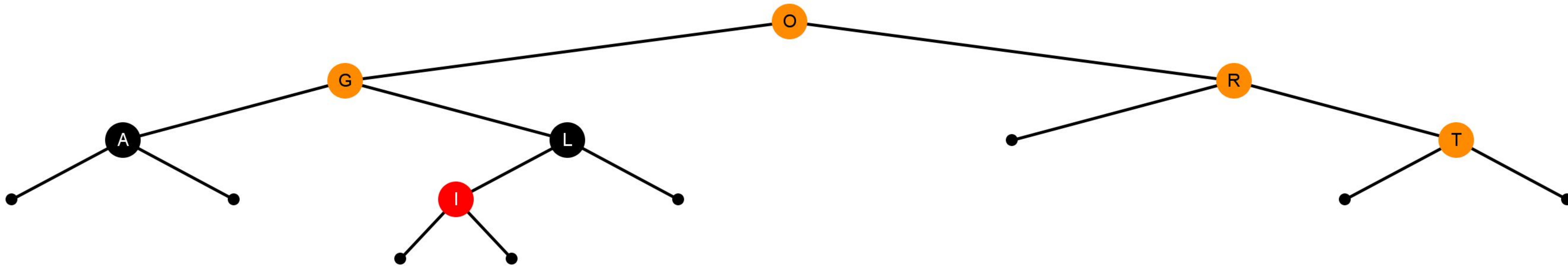
Fixing the path to the root

Colors swapped



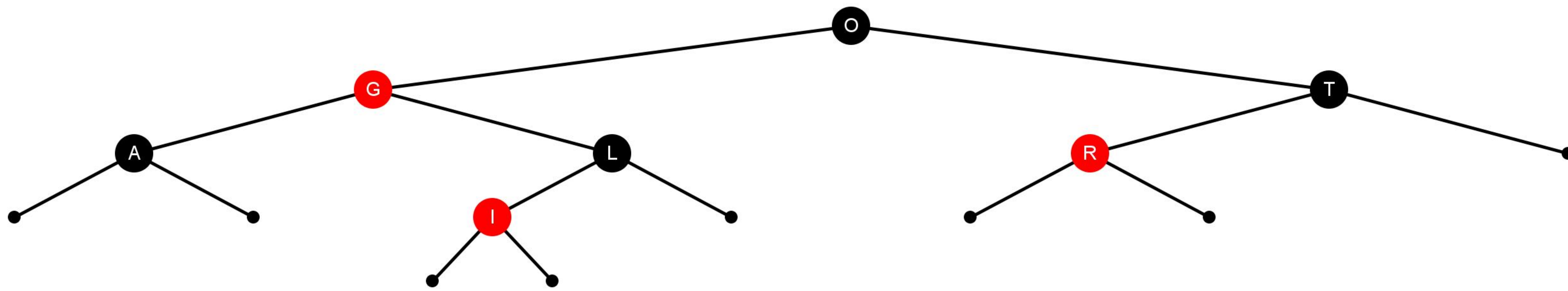
Fixing the path to the root

Rotate Left 'R'



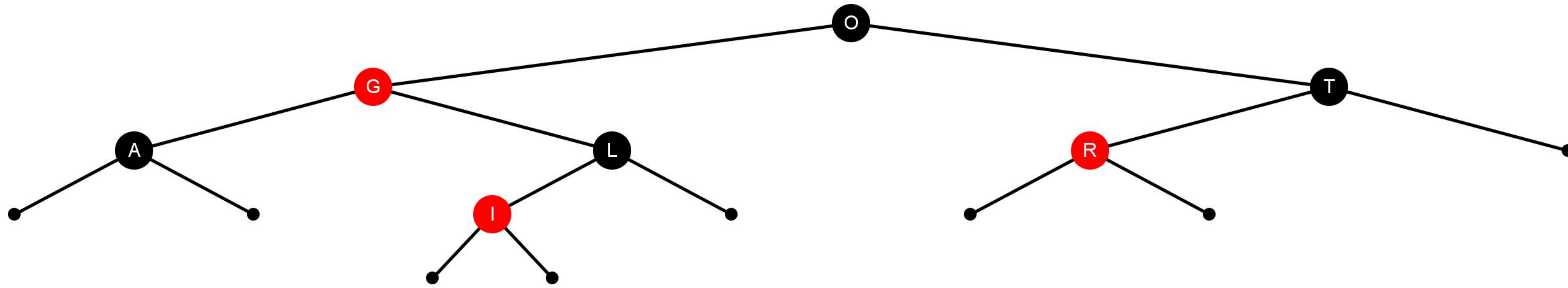
Fixing the path to the root

Rotated Left 'R'



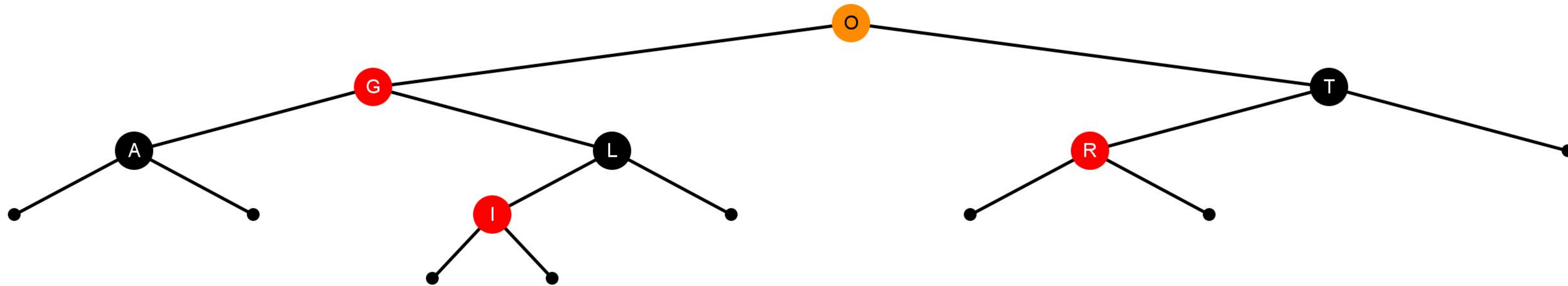
The element has been added

Rotated Left 'R'



Inserting new element H

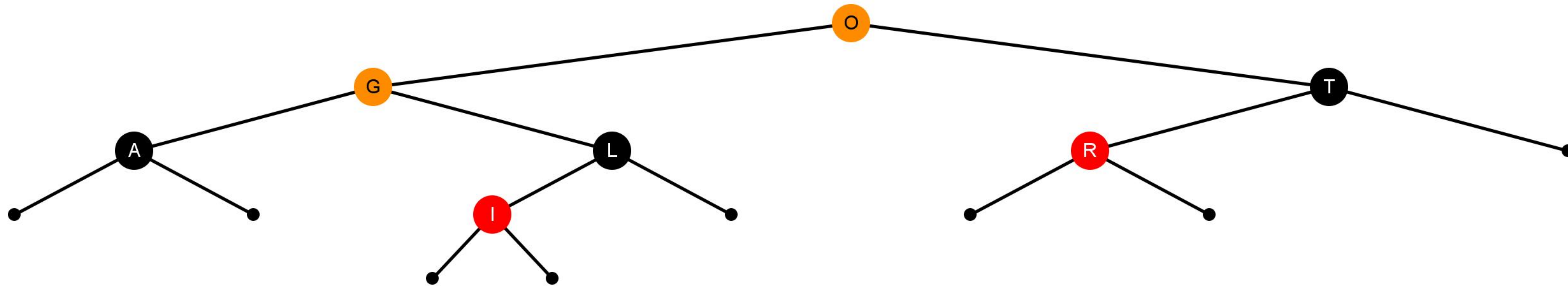
Compared with O is smaller





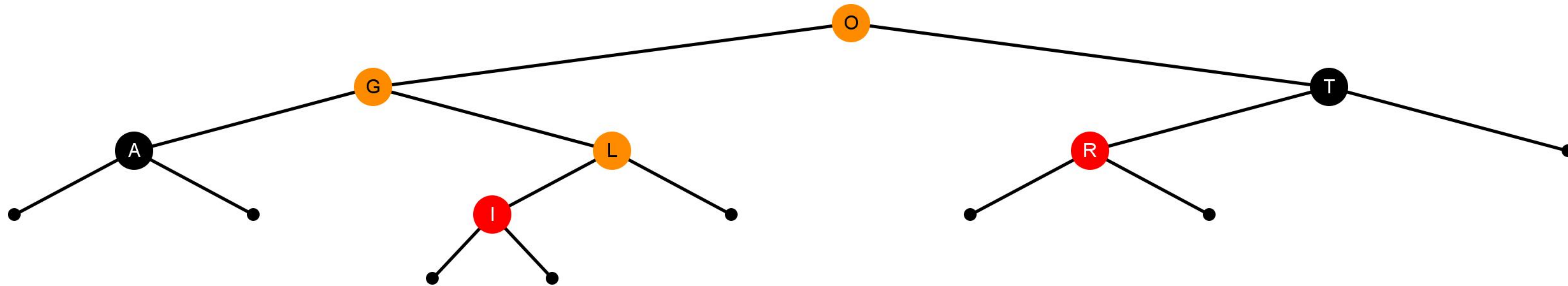
Inserting new element H

Compared with G is greater



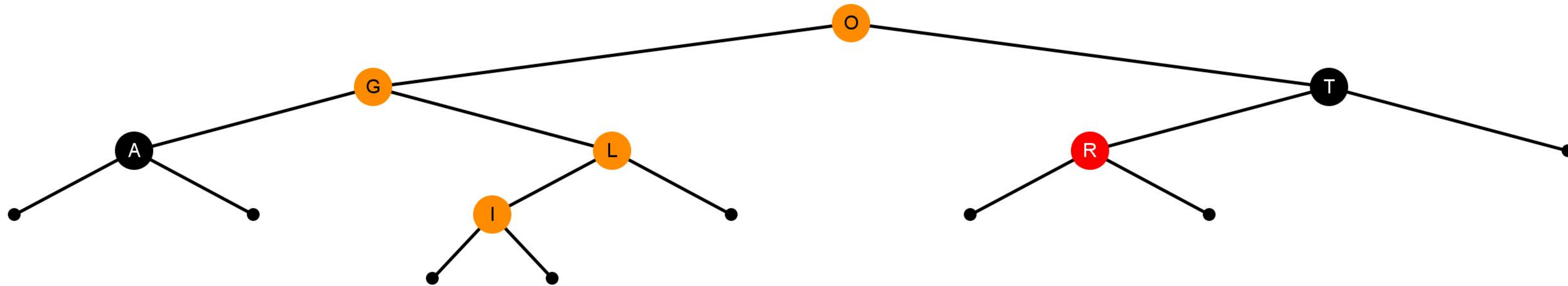
Inserting new element H

Compared with L is smaller



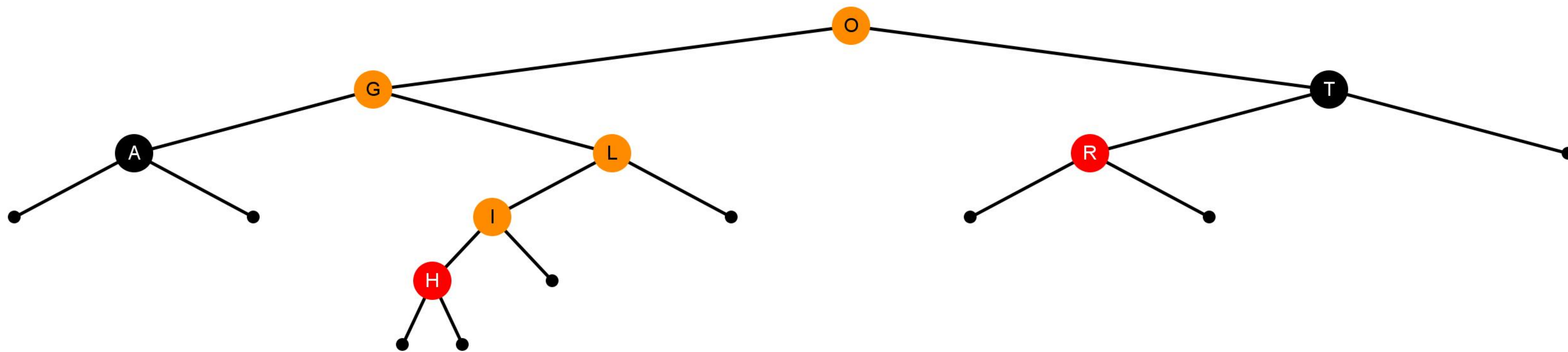
Inserting new element H

Compared with I is smaller



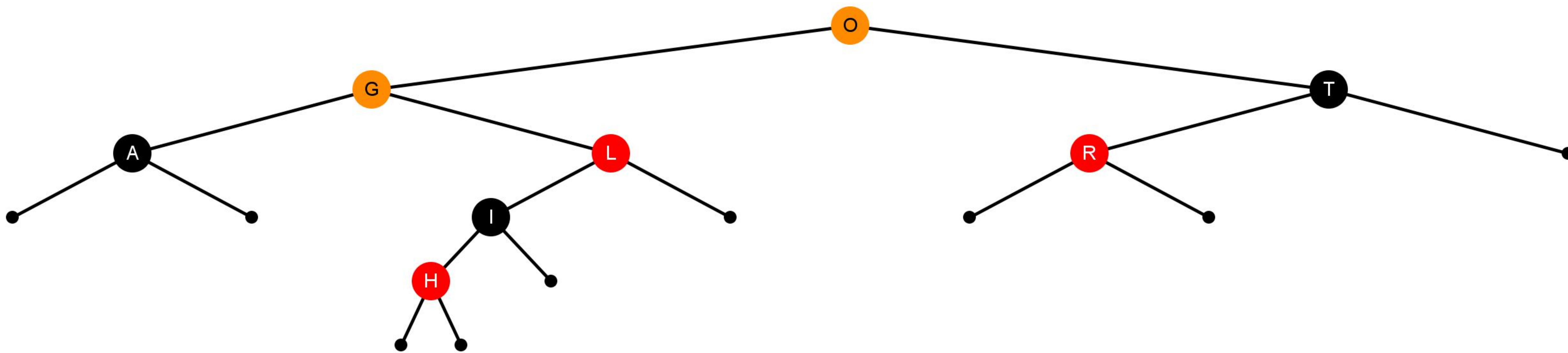
Fixing the path to the root

Swapping colors of these nodes



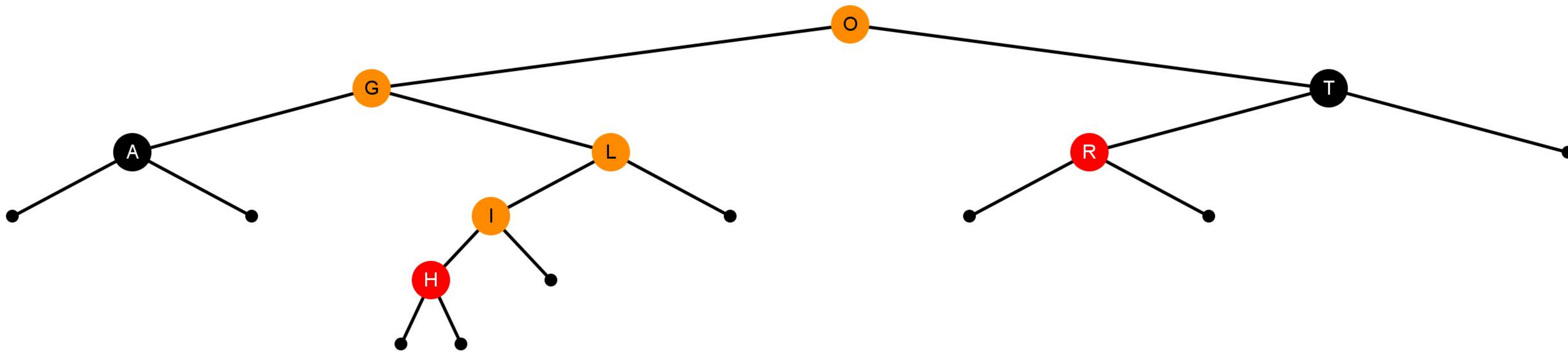
Fixing the path to the root

Colors swapped



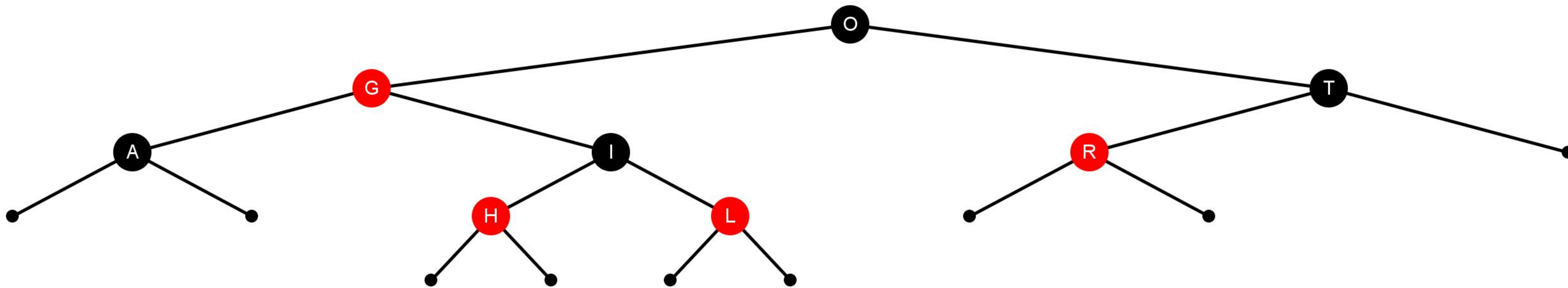
Fixing the path to the root

Rotate Right 'L'



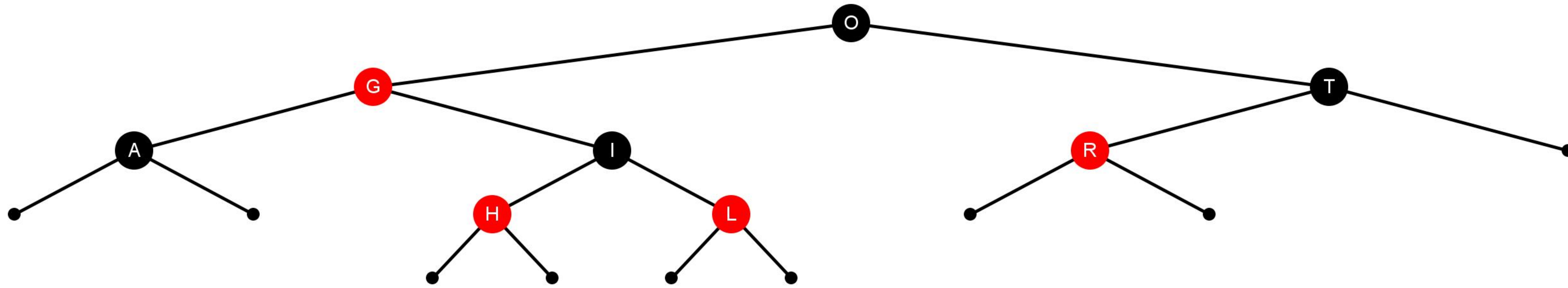
Fixing the path to the root

Rotate Right 'L'



The element has been added

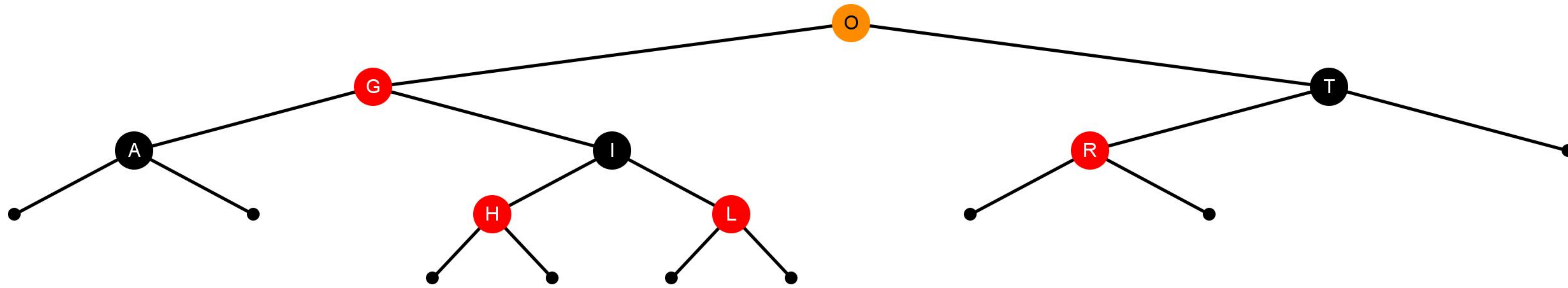
Rotate Right 'L'





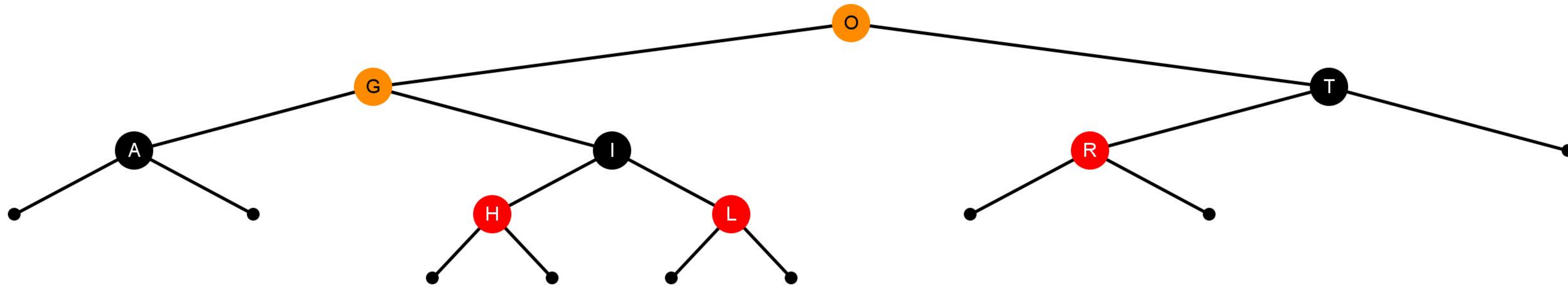
Inserting new element M

Compared with O is smaller



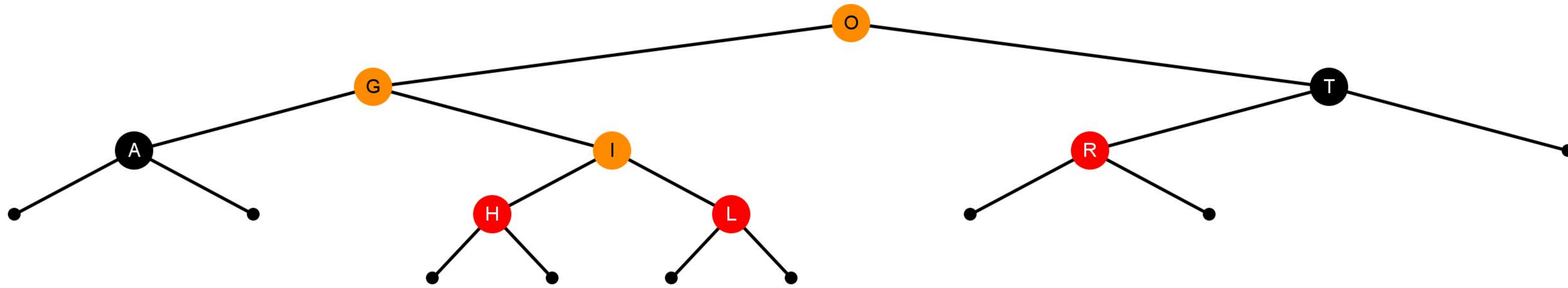
Inserting new element M

Compared with G is greater



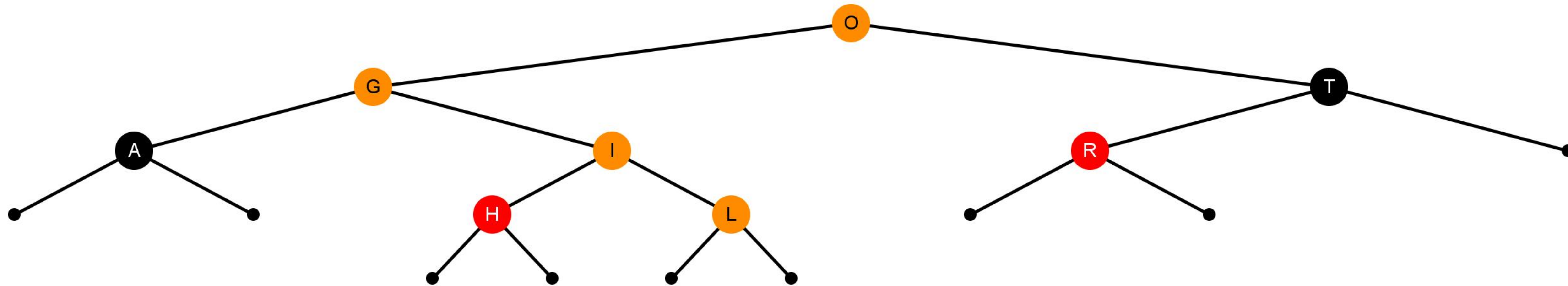
Inserting new element M

Compared with I is greater



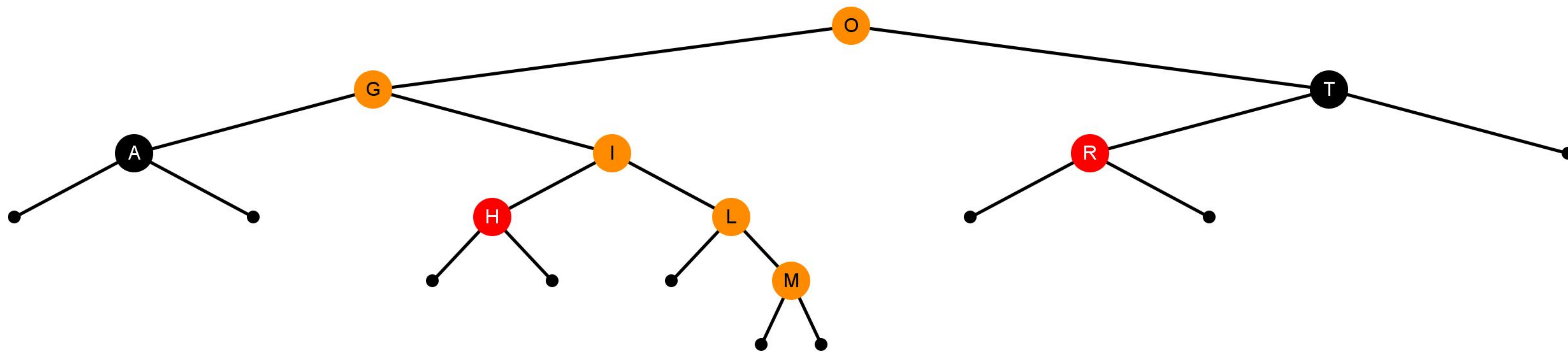
Inserting new element M

Compared with L is greater



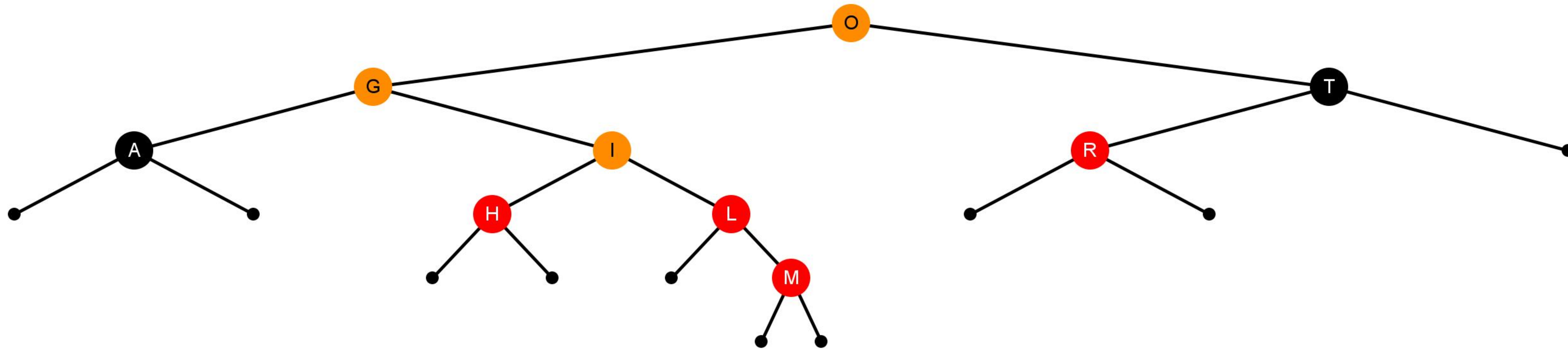
Fixing the path to the root

Swapping colors of these nodes



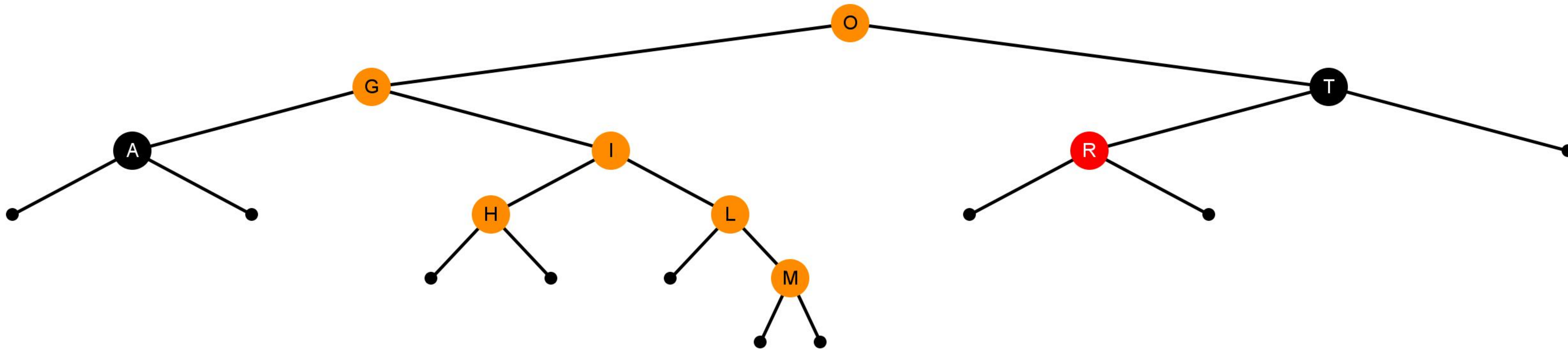
Fixing the path to the root

Colors swapped



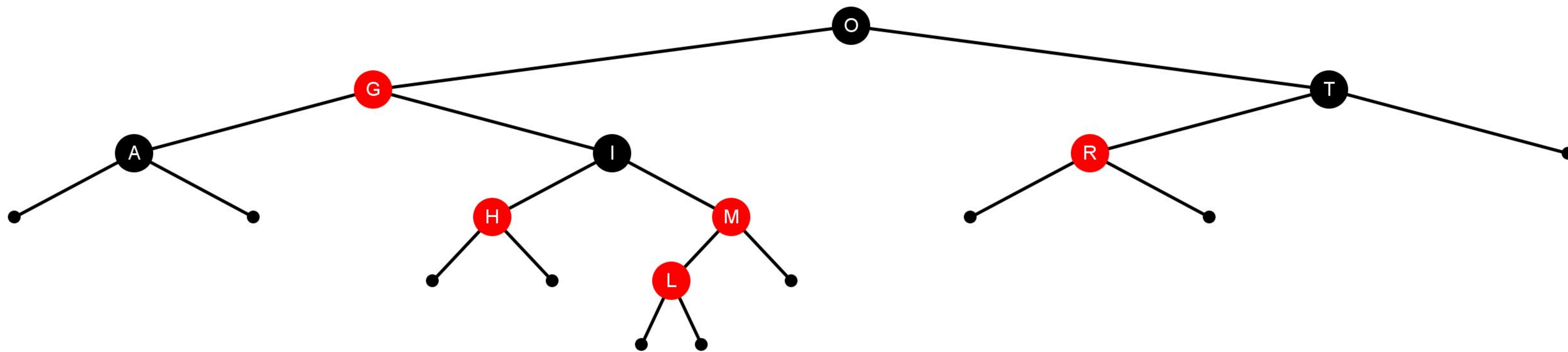
Fixing the path to the root

Rotate Left 'L'



Fixing the path to the root

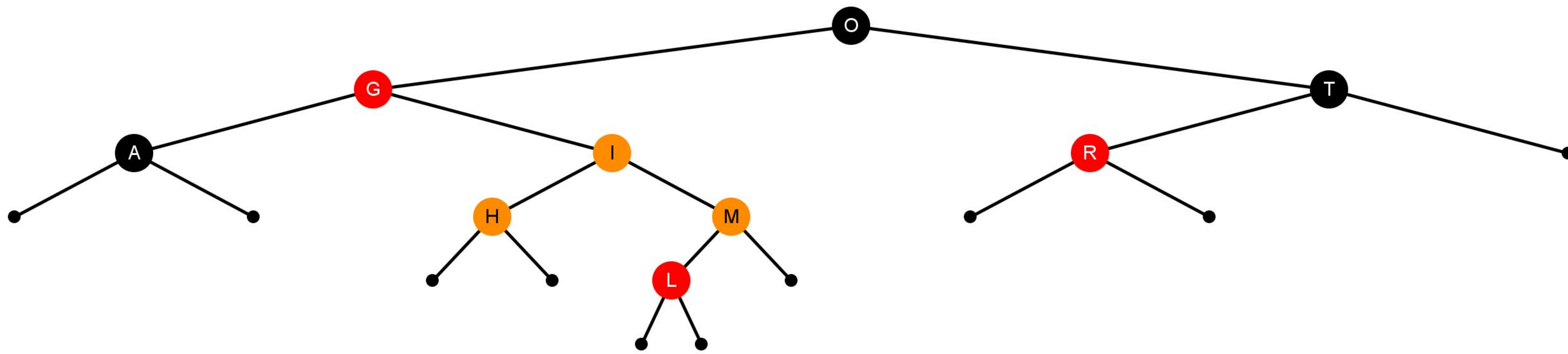
Rotated Left 'L'





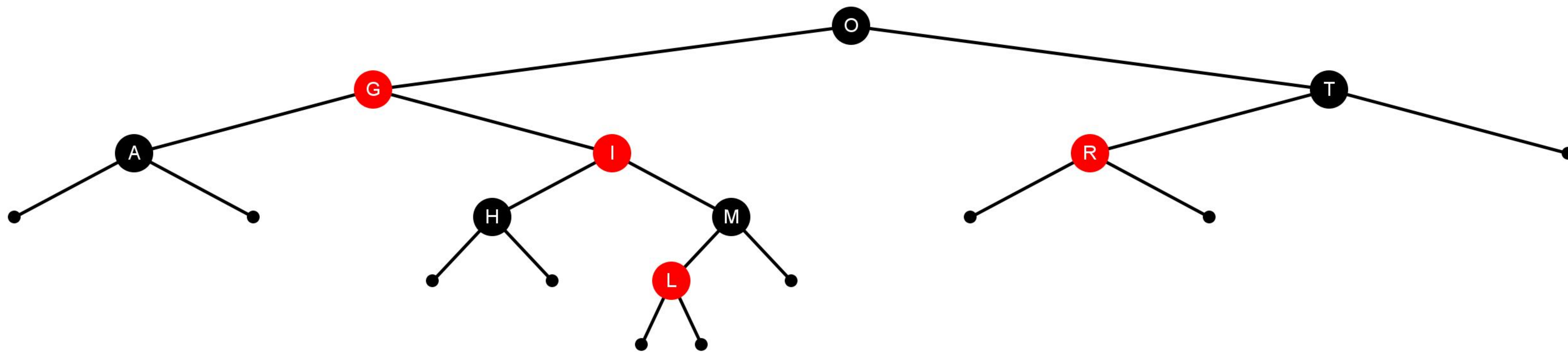
Fixing the path to the root

Push Black on I



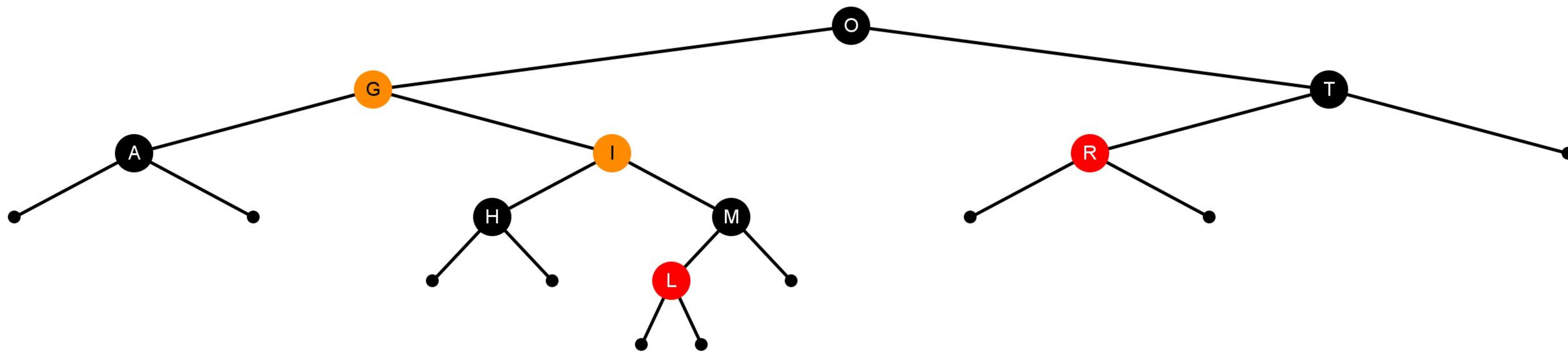
Fixing the path to the root

Push Black on I performed



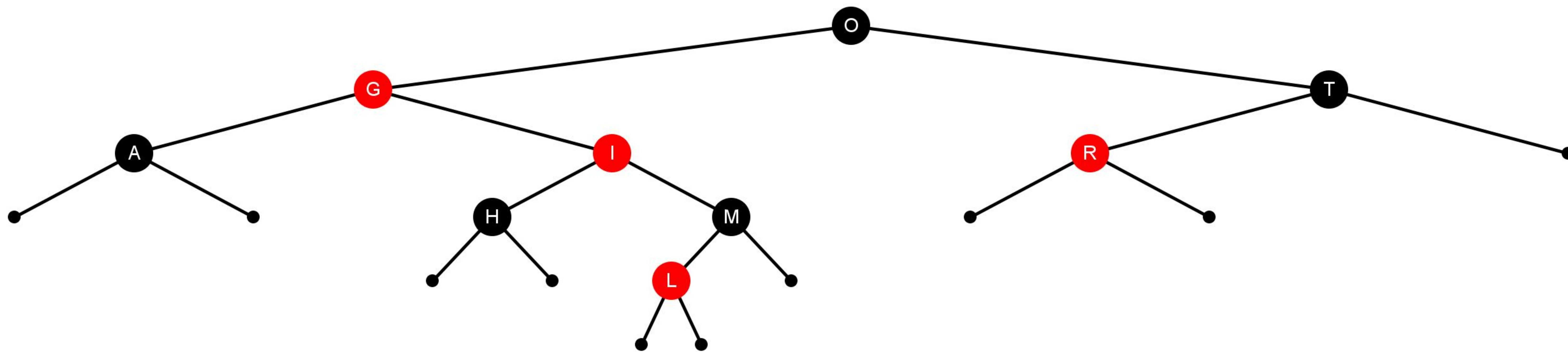
Fixing the path to the root

Swapping colors of these nodes



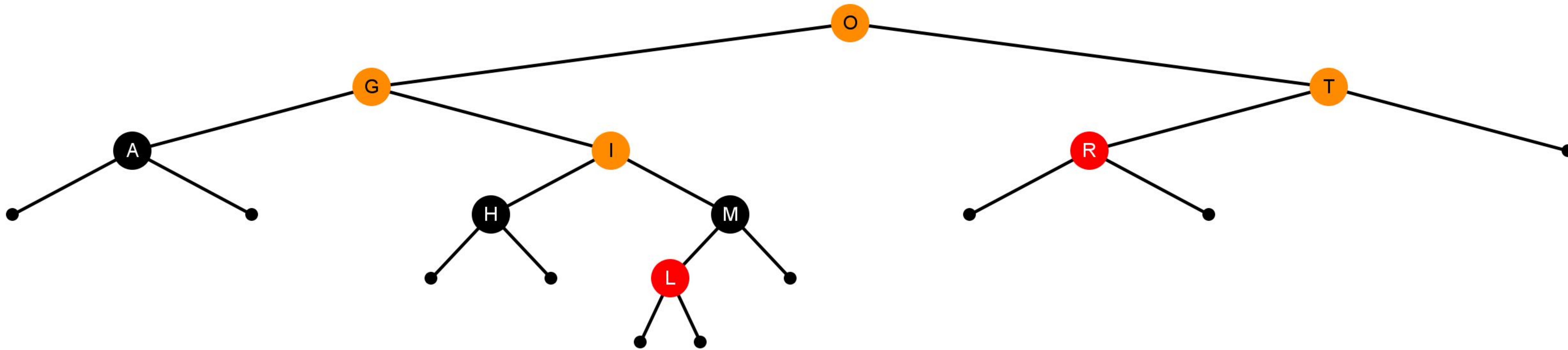
Fixing the path to the root

Colors swapped



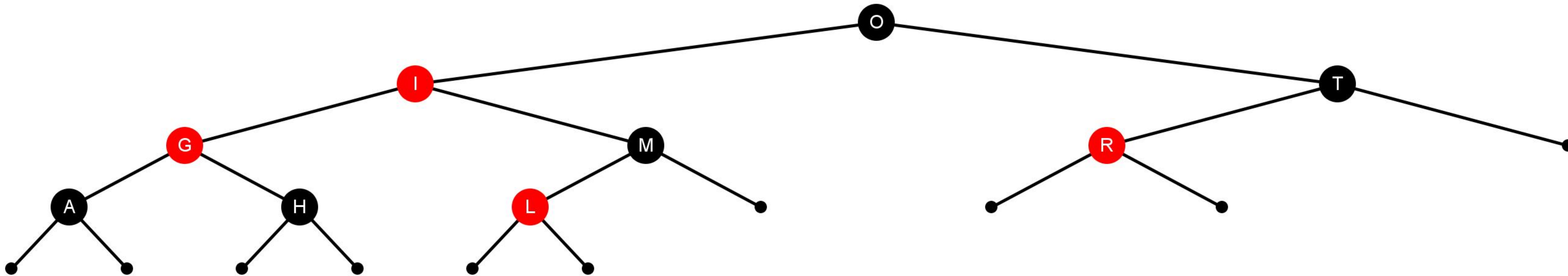
Fixing the path to the root

Rotate Left 'G'



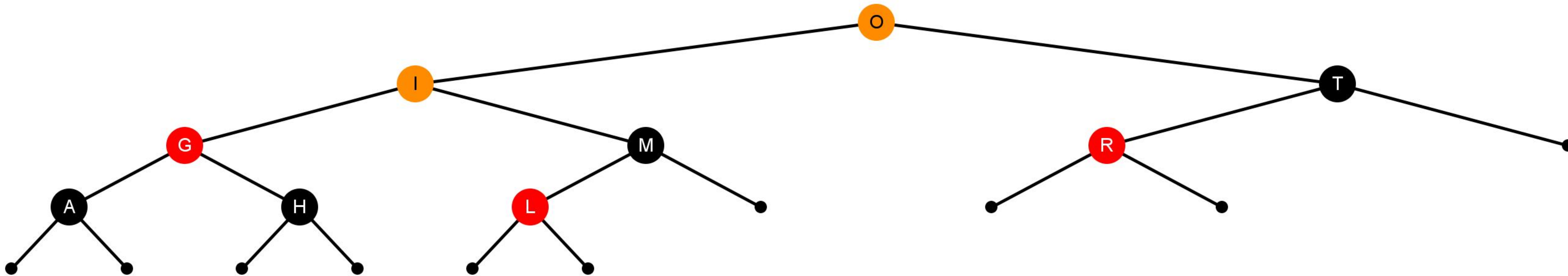
Fixing the path to the root

Rotated Left 'G'



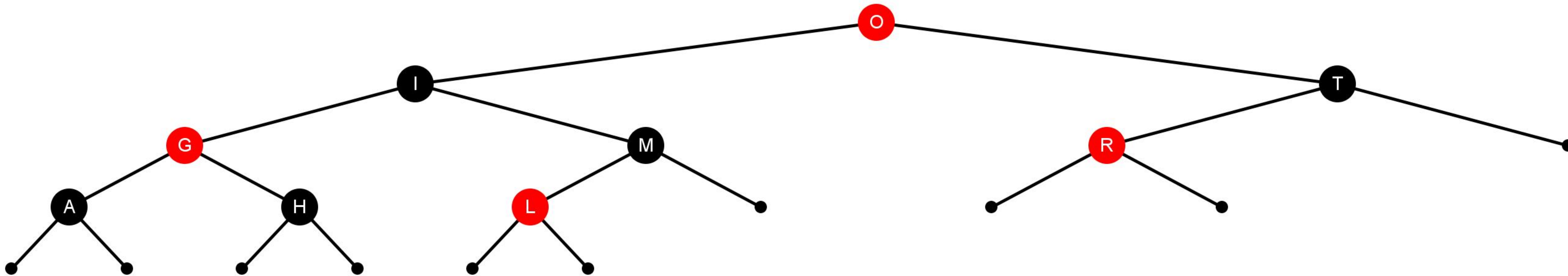
Fixing the path to the root

Swapping colors of these nodes



Fixing the path to the root

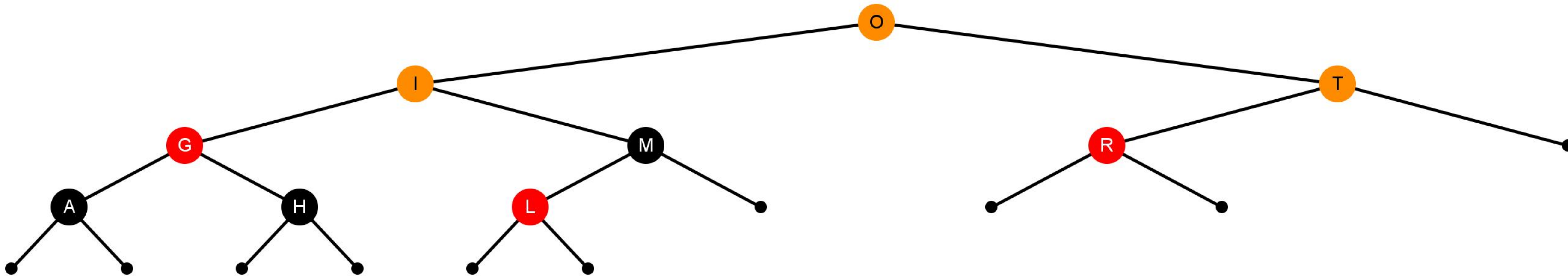
Colors swapped





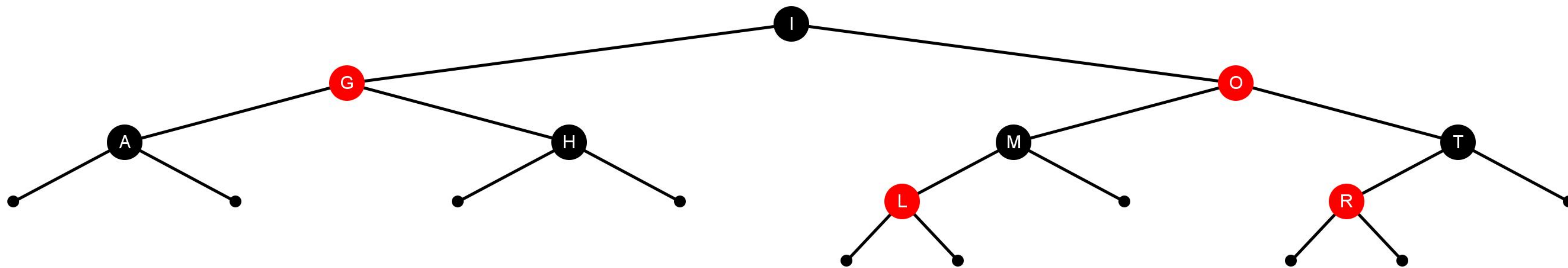
Fixing the path to the root

Rotate Right 'O'



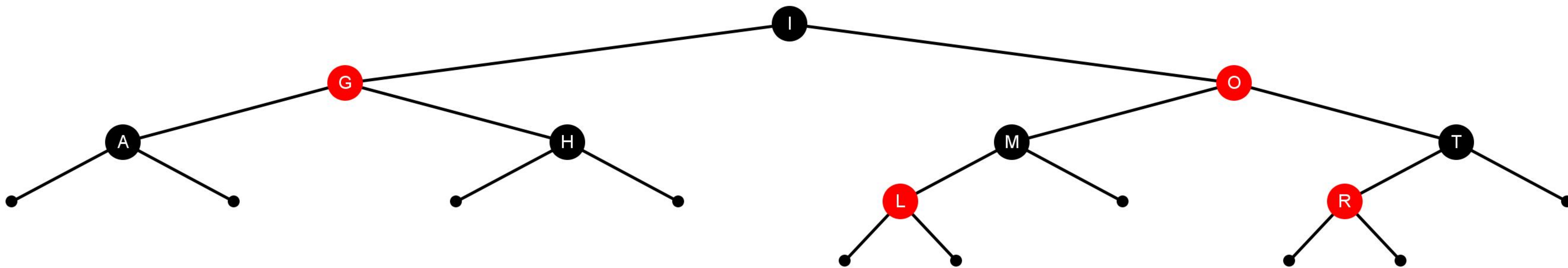
Fixing the path to the root

Rotate Right 'O'



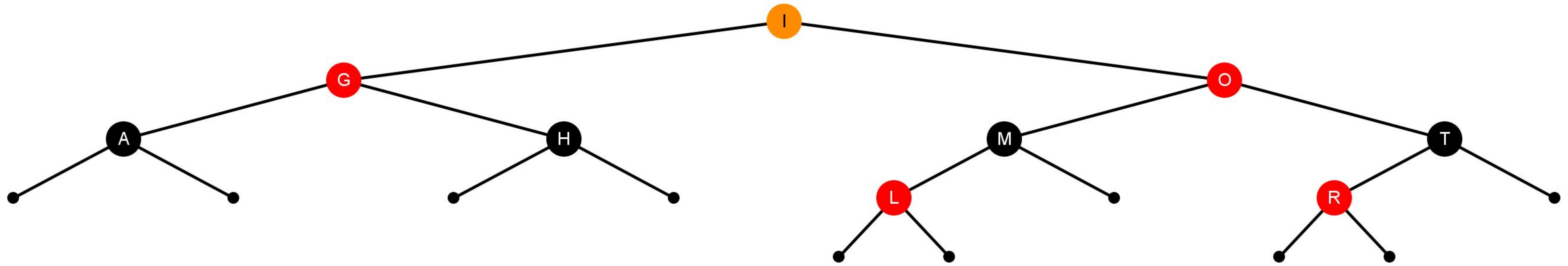
The element has been added

Rotate Right 'O'



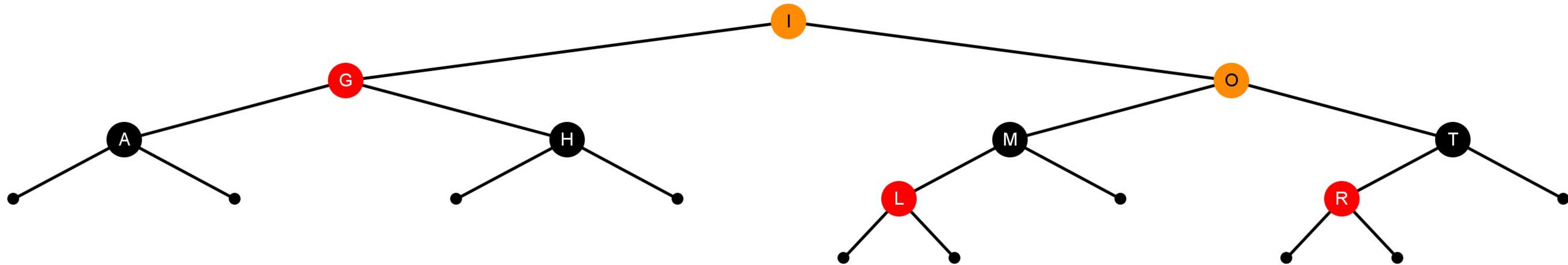
Inserting new element S

Compared with I is greater



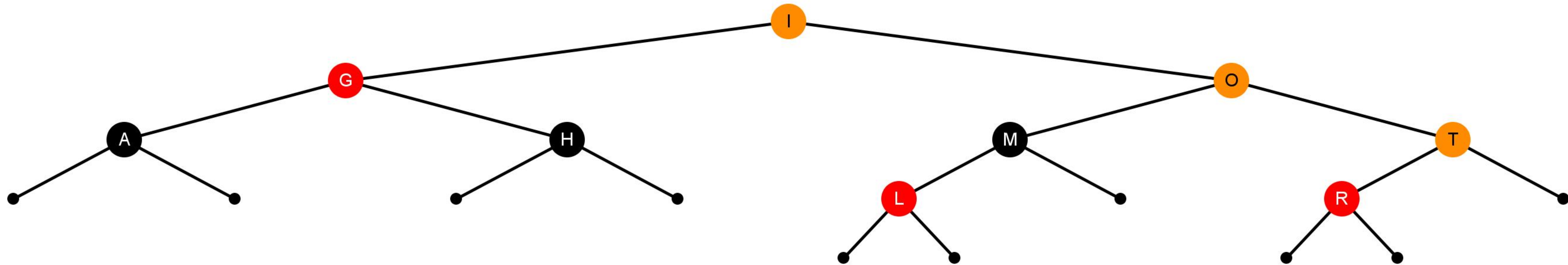
Inserting new element S

Compared with O is greater



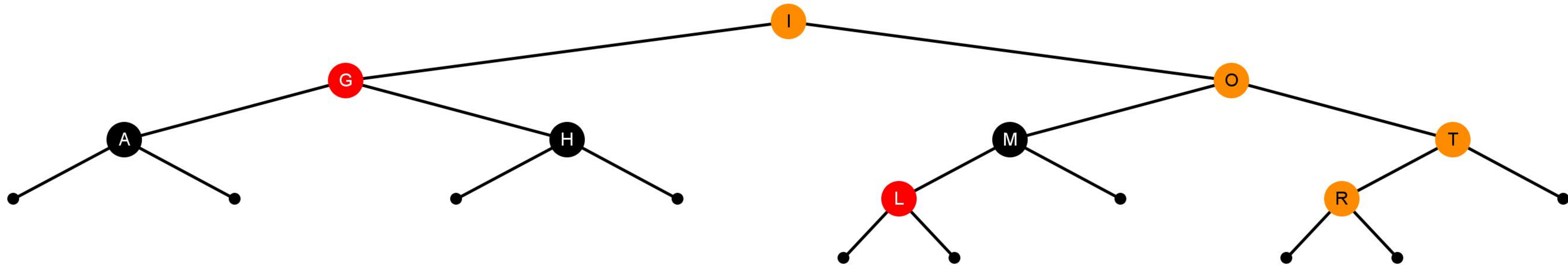
Inserting new element S

Compared with T is smaller



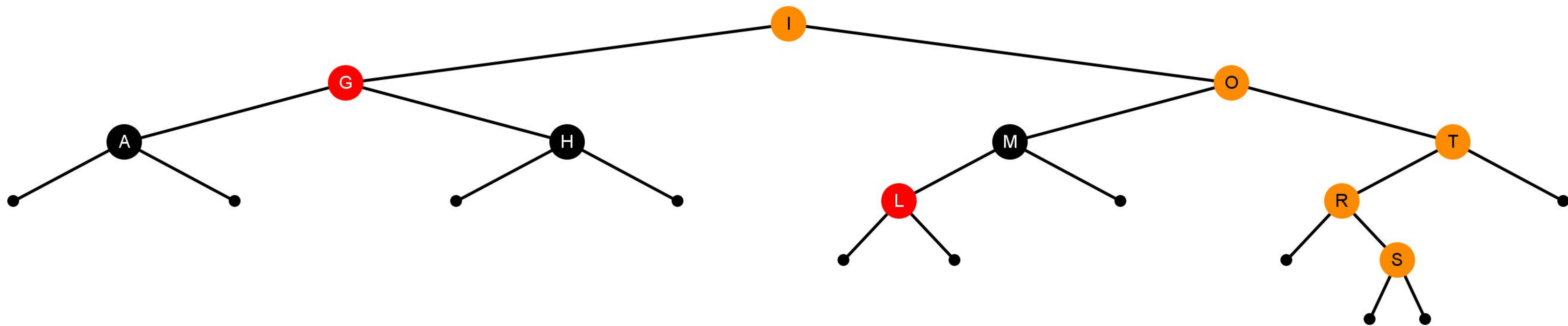
Inserting new element S

Compared with R is greater



Fixing the path to the root

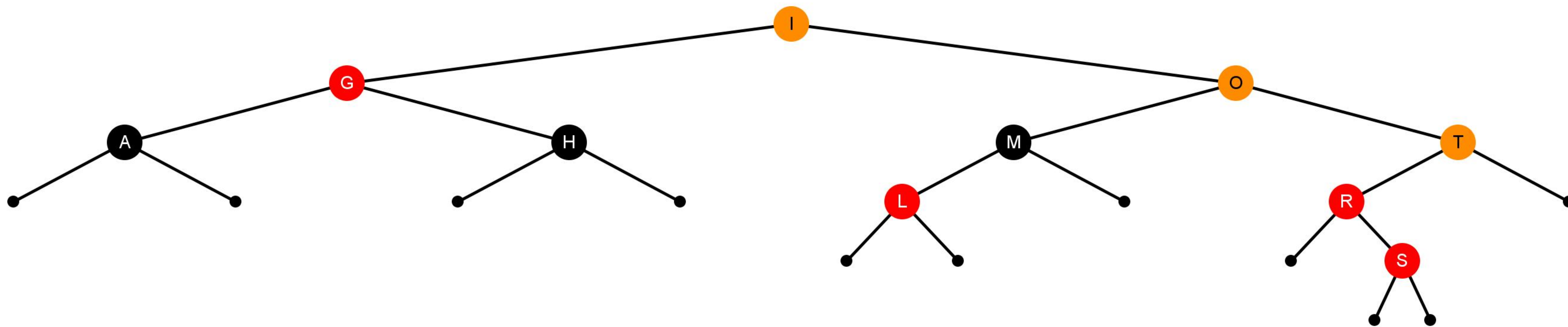
Swapping colors of these nodes





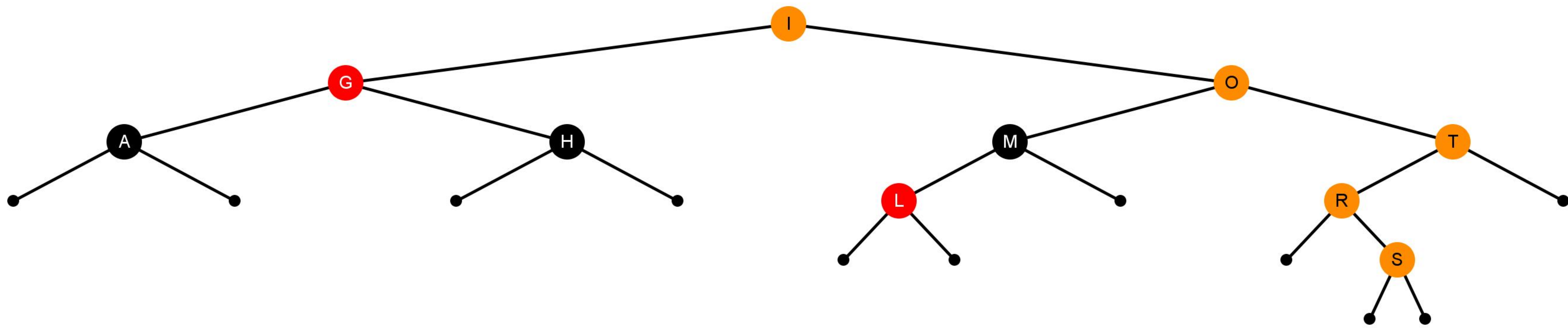
Fixing the path to the root

Colors swapped



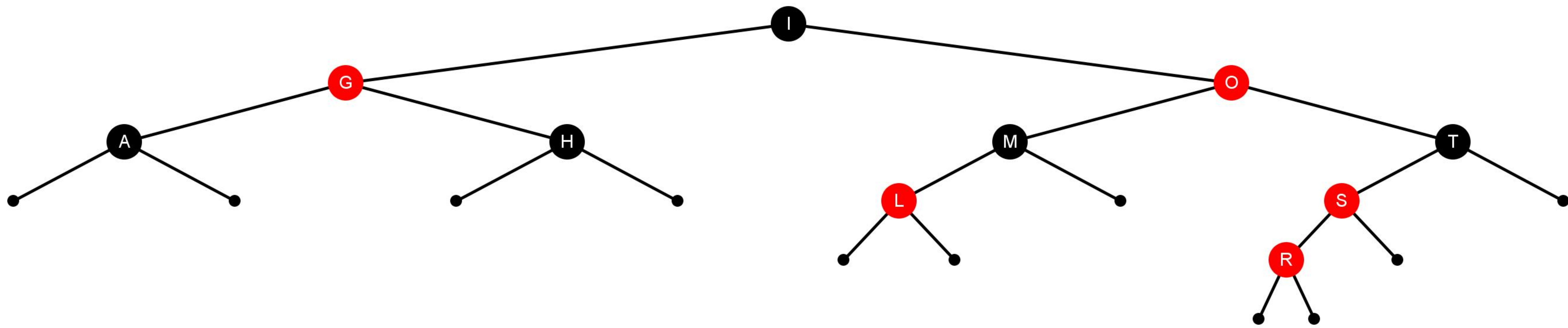
Fixing the path to the root

Rotate Left 'R'



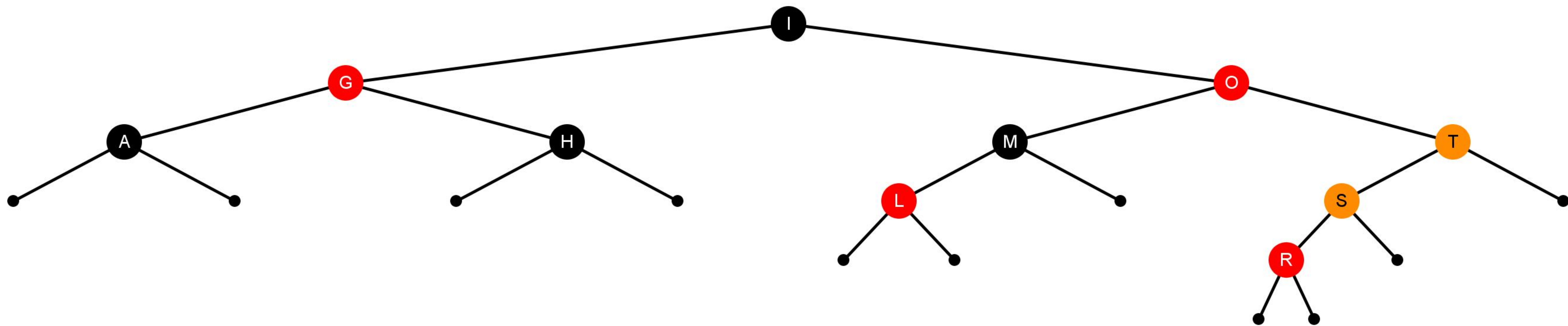
Fixing the path to the root

Rotated Left 'R'



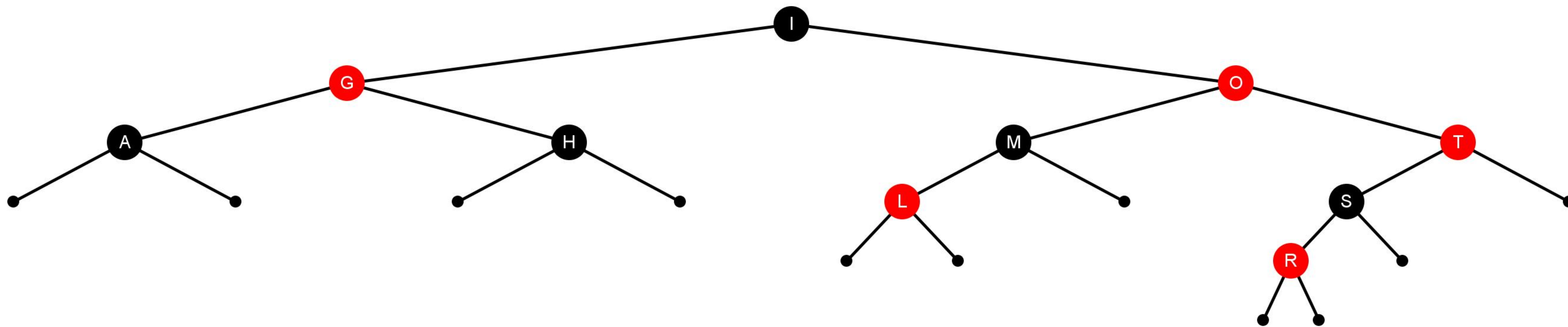
Fixing the path to the root

Swapping colors of these nodes



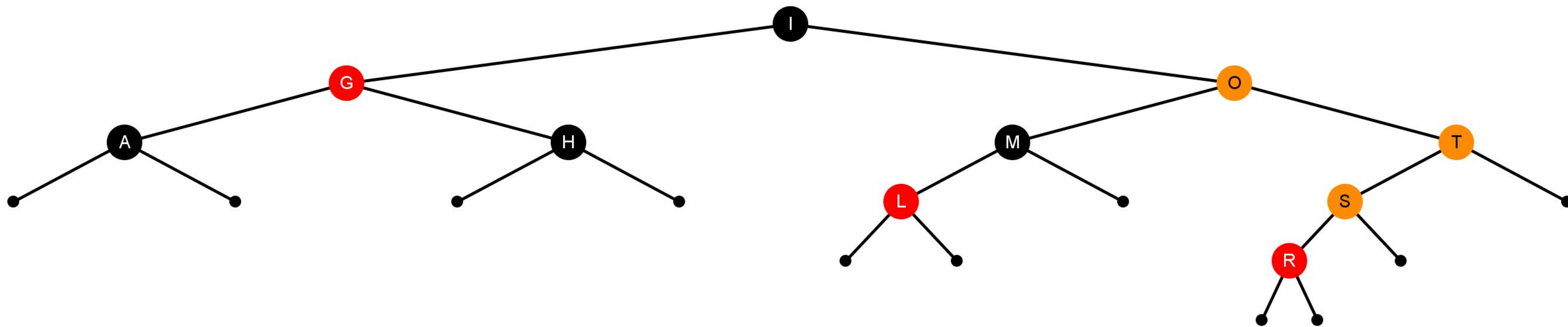
Fixing the path to the root

Colors swapped



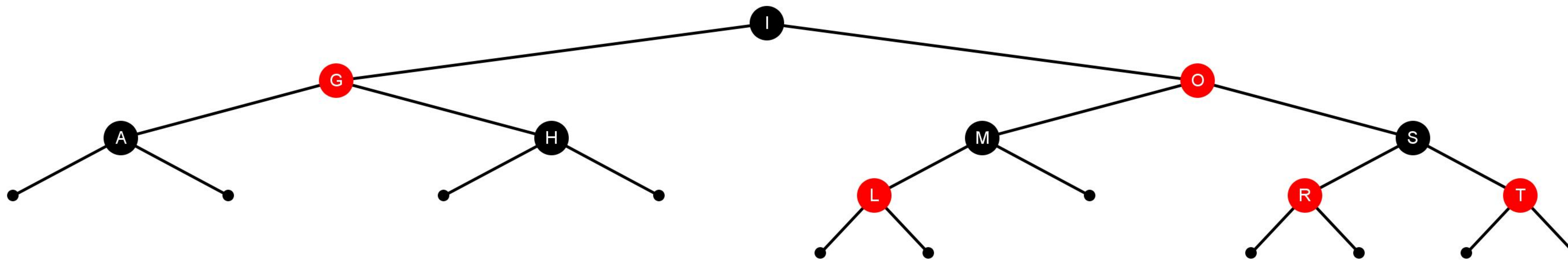
Fixing the path to the root

Rotate Right 'T'



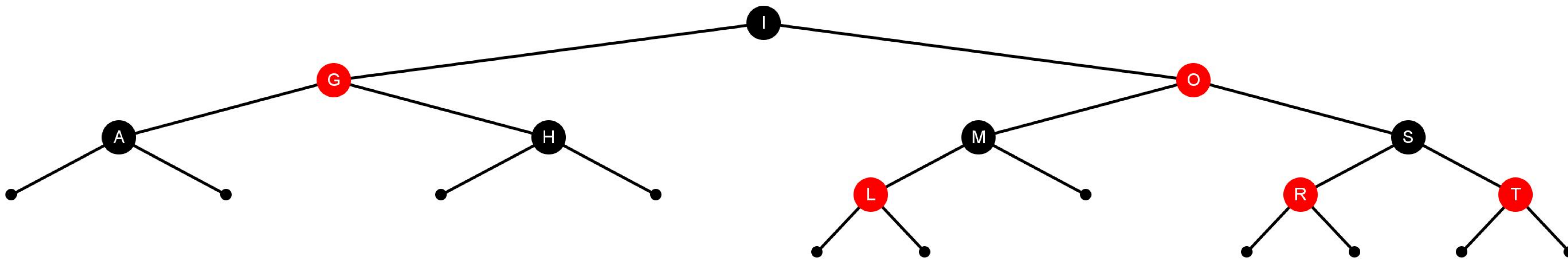
Fixing the path to the root

Rotate Right 'T'



The element has been added

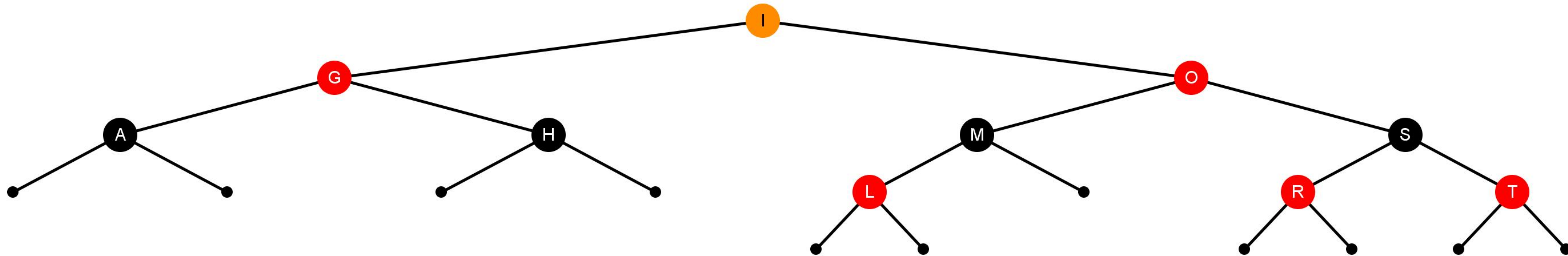
Rotate Right 'T'





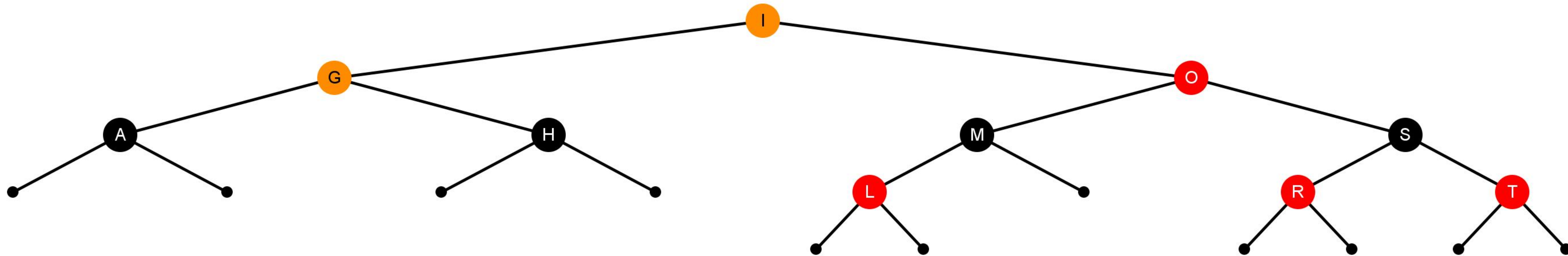
Inserting new element C

Compared with I is smaller



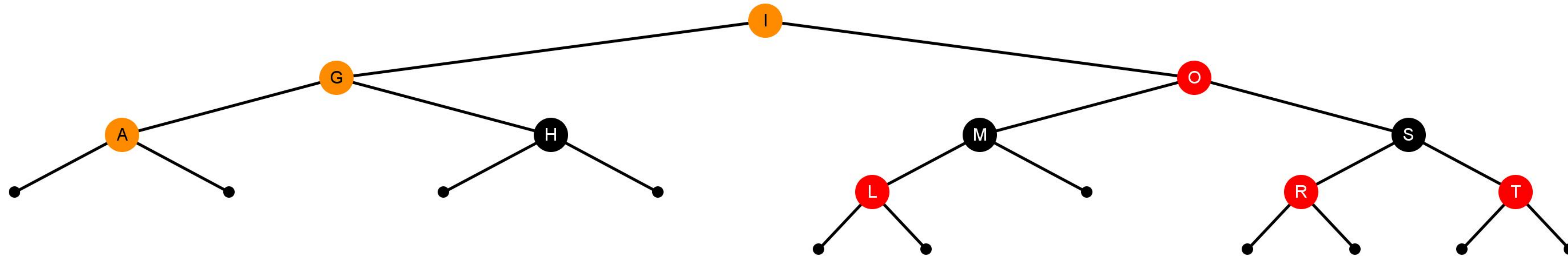
Inserting new element C

Compared with G is smaller



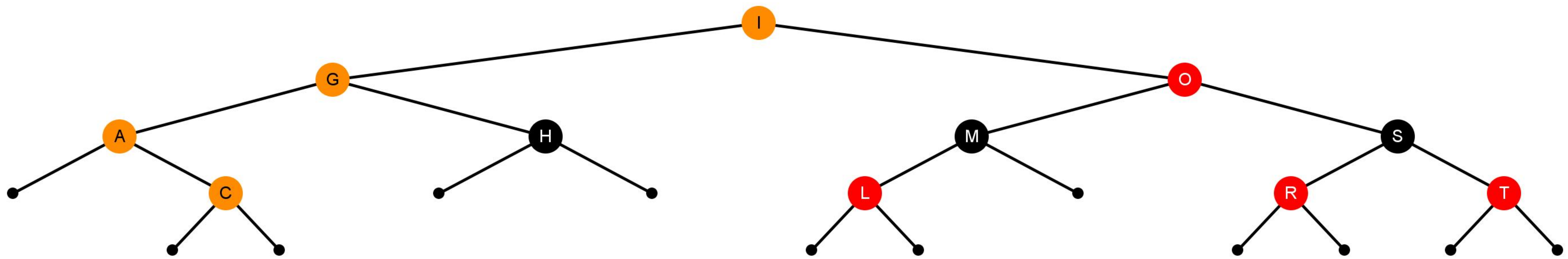
Inserting new element C

Compared with A is greater



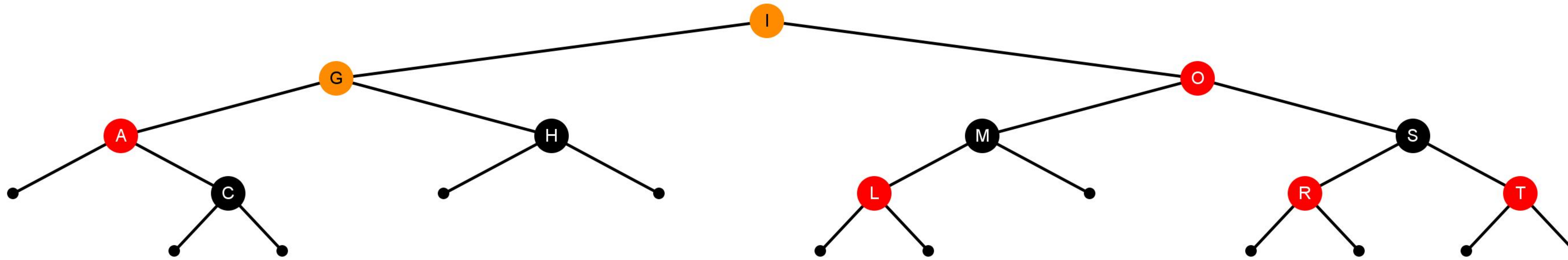
Fixing the path to the root

Swapping colors of these nodes



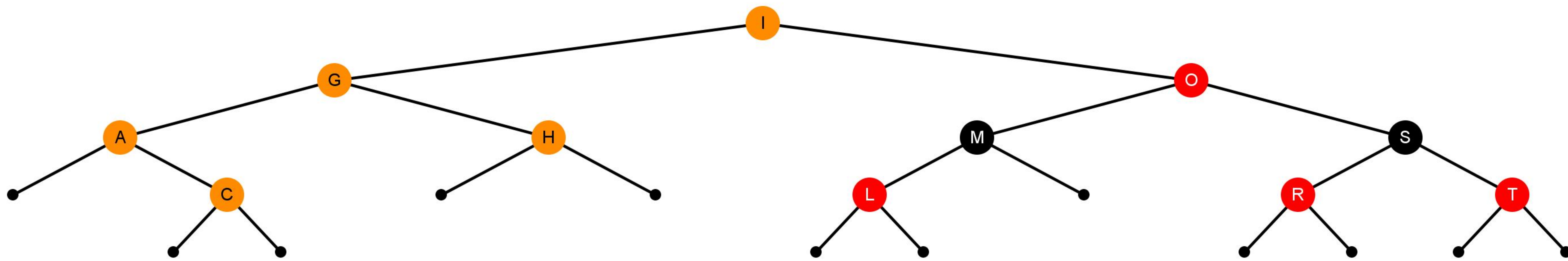
Fixing the path to the root

Colors swapped



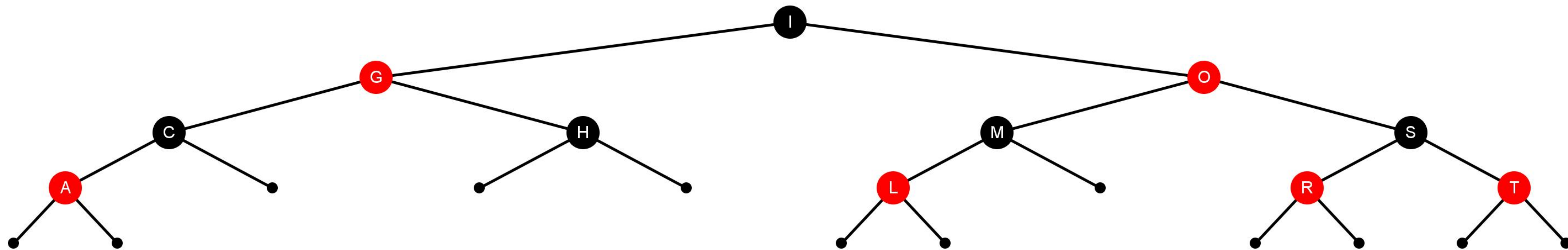
Fixing the path to the root

Rotate Left 'A'



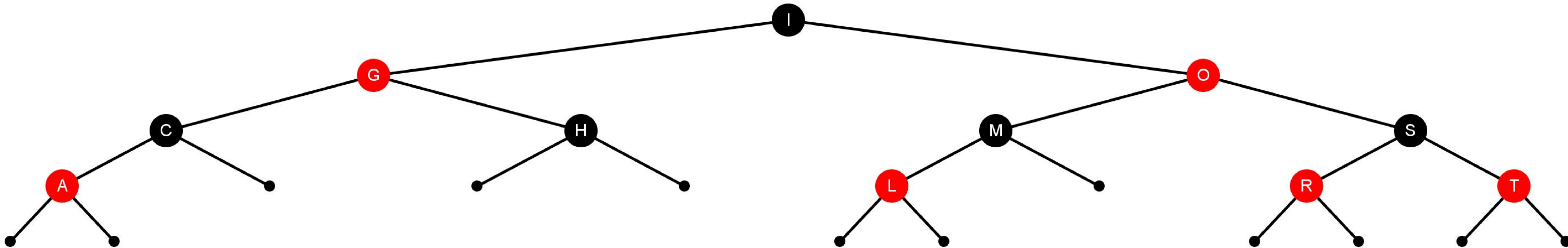
Fixing the path to the root

Rotated Left 'A'



The element has been added

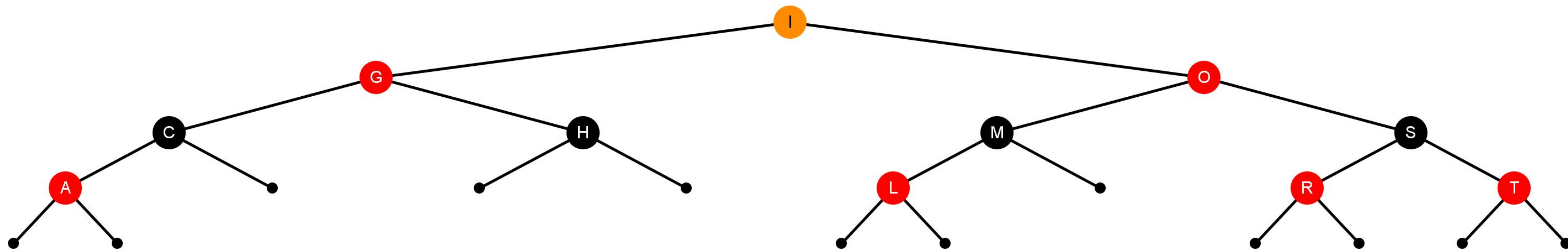
Rotated Left 'A'





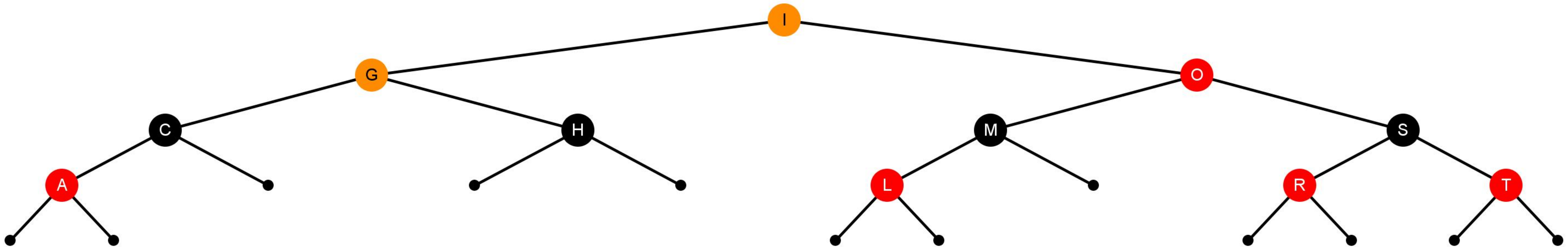
Inserting new element A

Compared with I is smaller



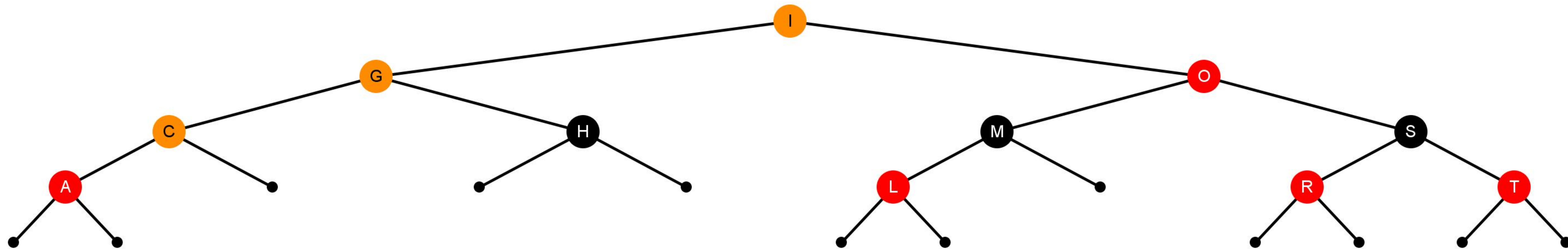
Inserting new element A

Compared with G is smaller



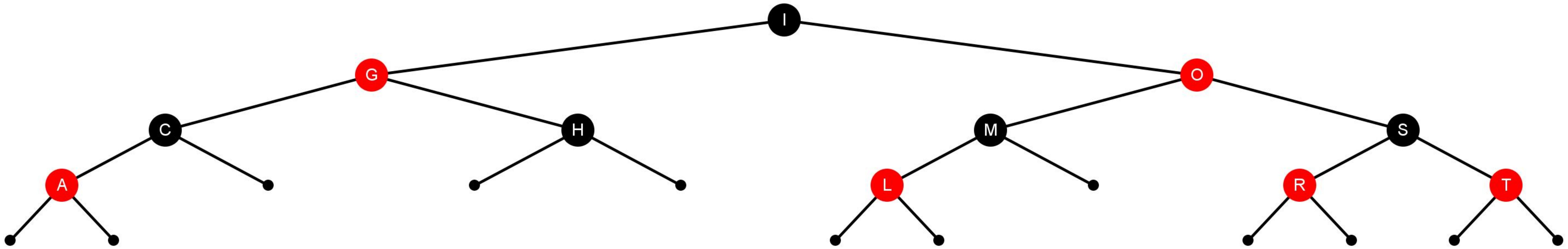
Inserting new element A

Compared with C is smaller



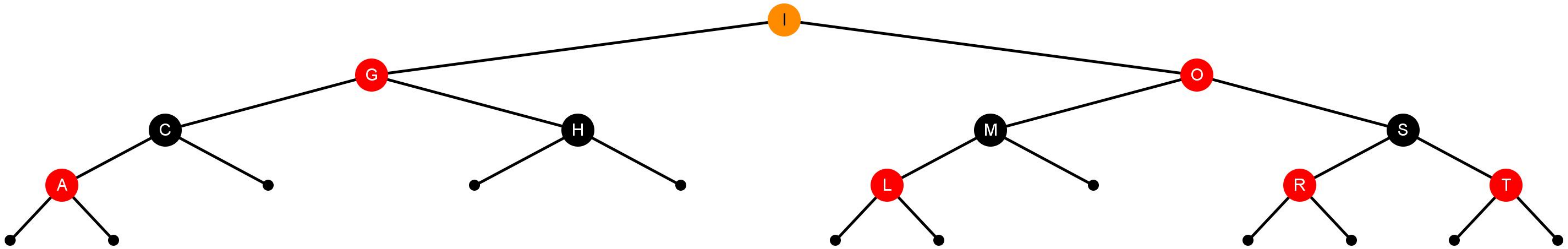
The element has been added

Compared with A is equal



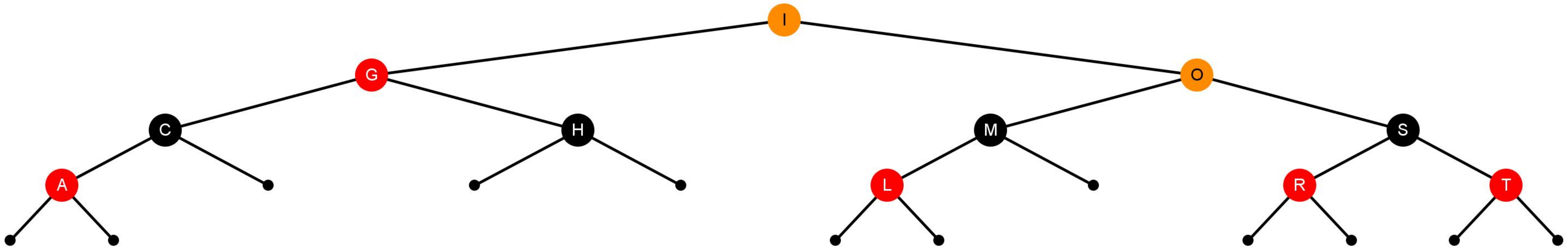
Inserting new element M

Compared with I is greater



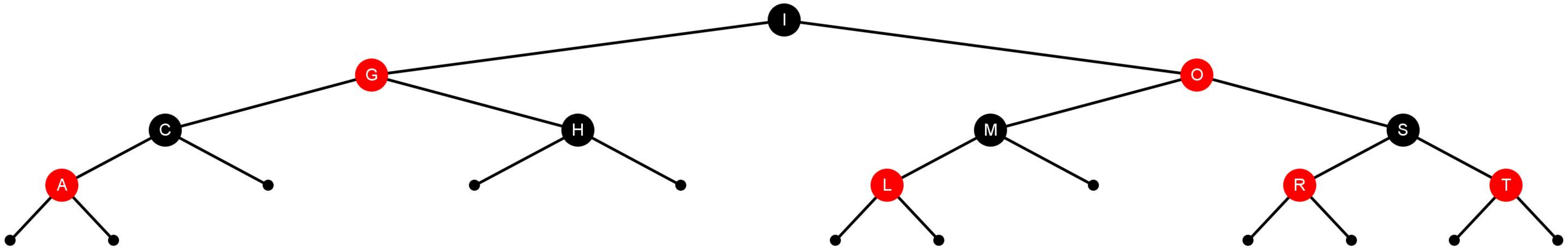
Inserting new element M

Compared with O is smaller



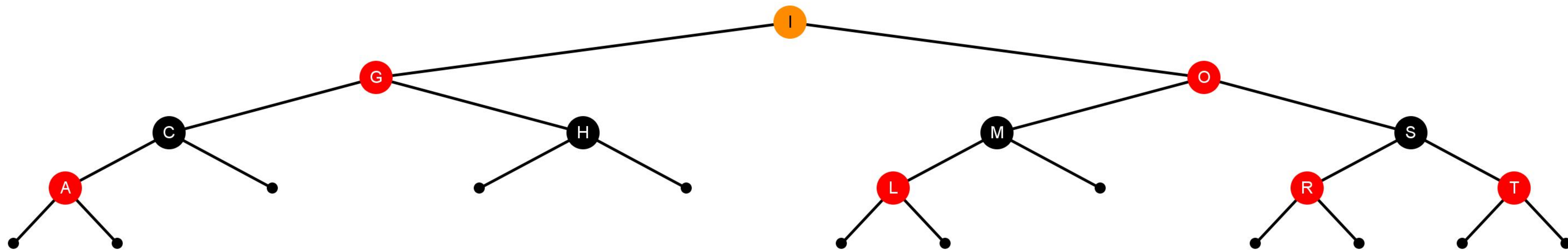
The element has been added

Compared with M is equal



Inserting new element B

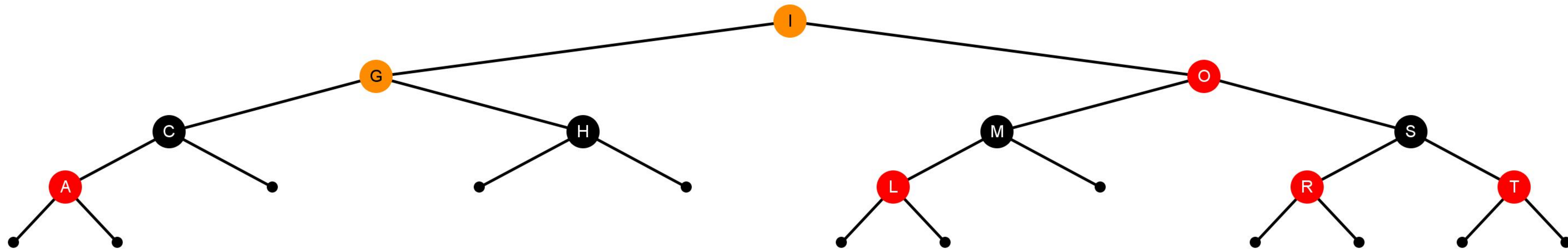
Compared with I is smaller





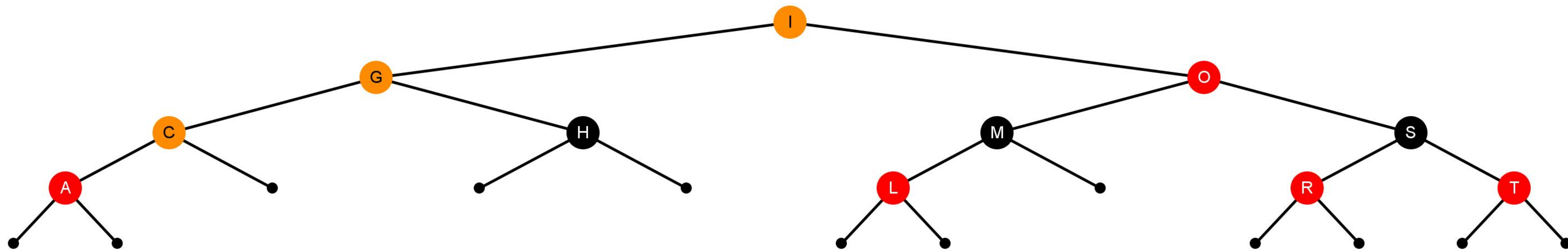
Inserting new element B

Compared with G is smaller



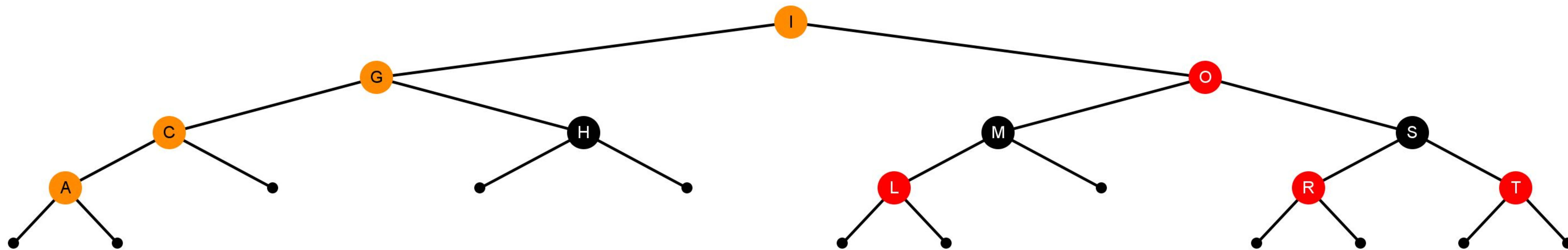
Inserting new element B

Compared with C is smaller



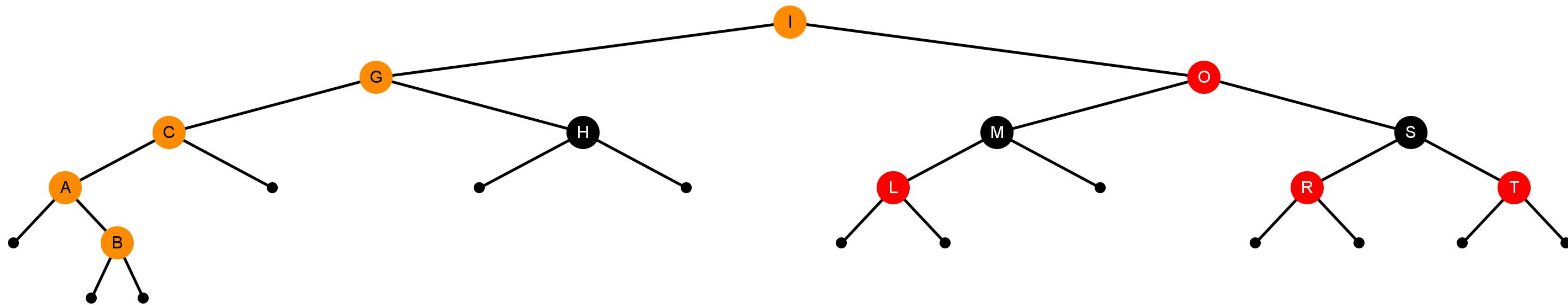
Inserting new element B

Compared with A is greater



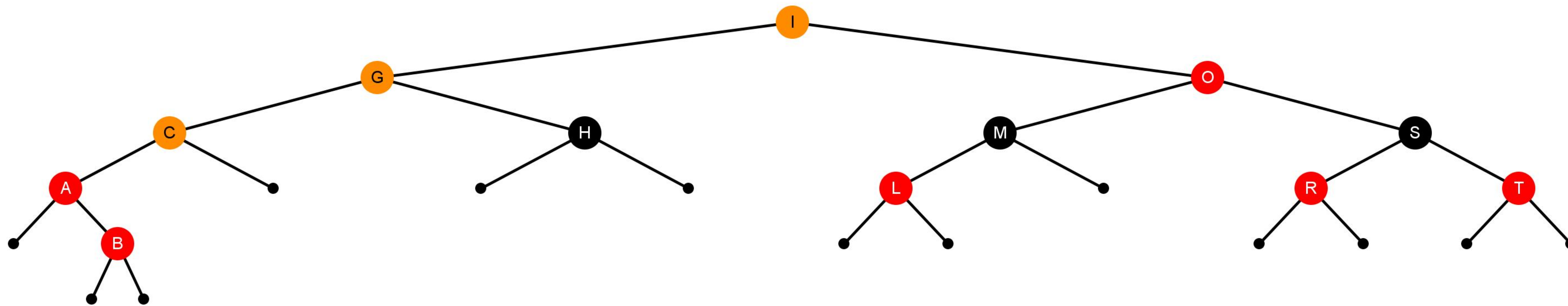
Fixing the path to the root

Swapping colors of these nodes



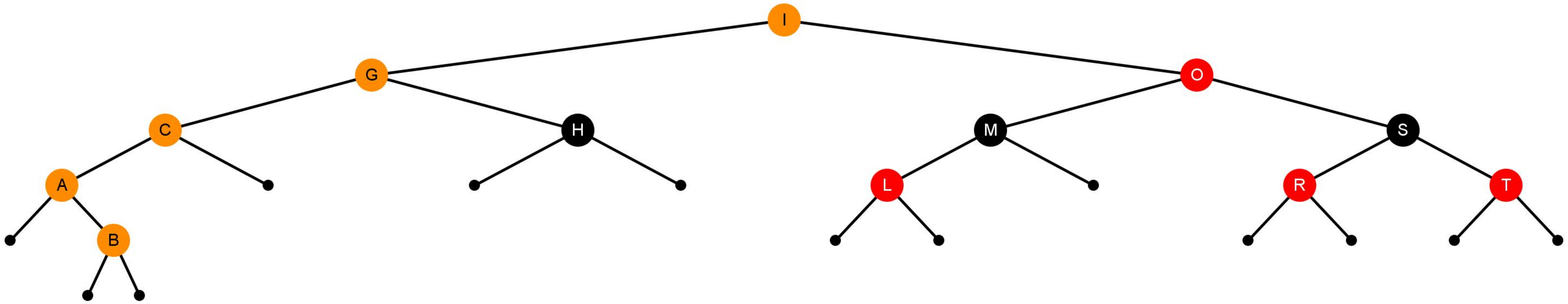
Fixing the path to the root

Colors swapped



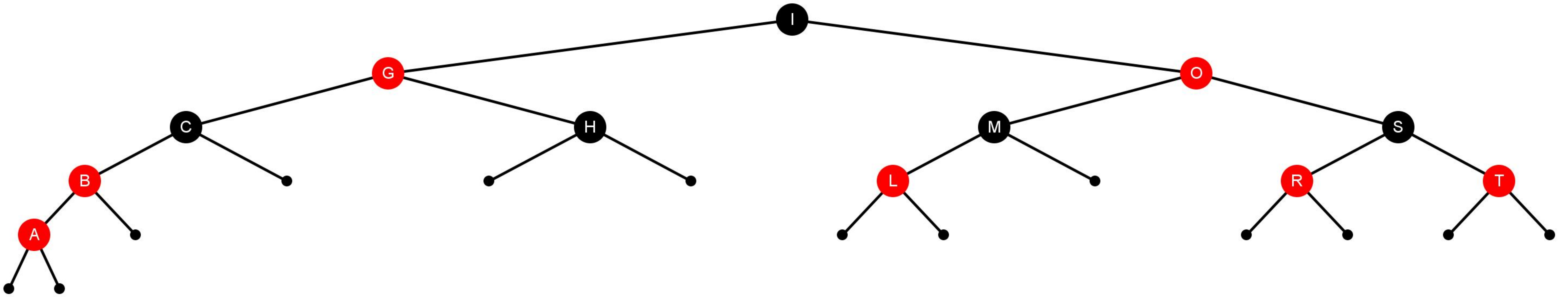
Fixing the path to the root

Rotate Left 'A'



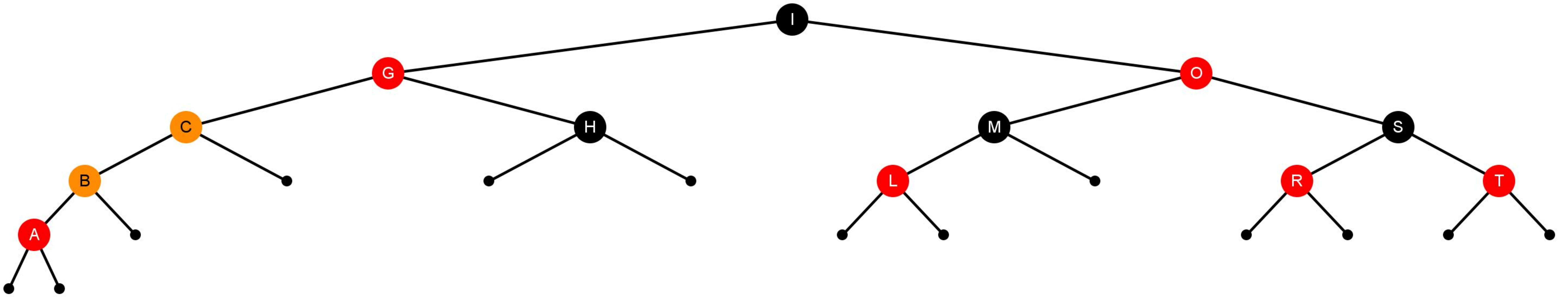
Fixing the path to the root

Rotated Left 'A'



Fixing the path to the root

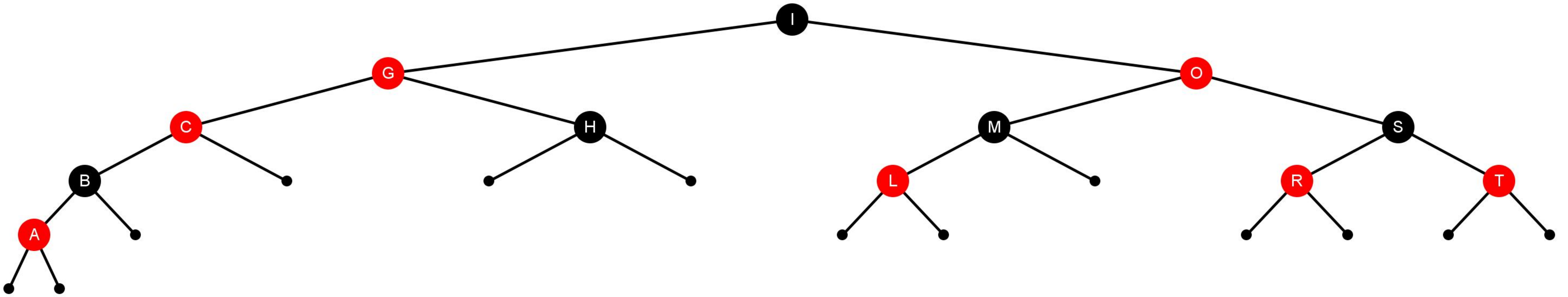
Swapping colors of these nodes





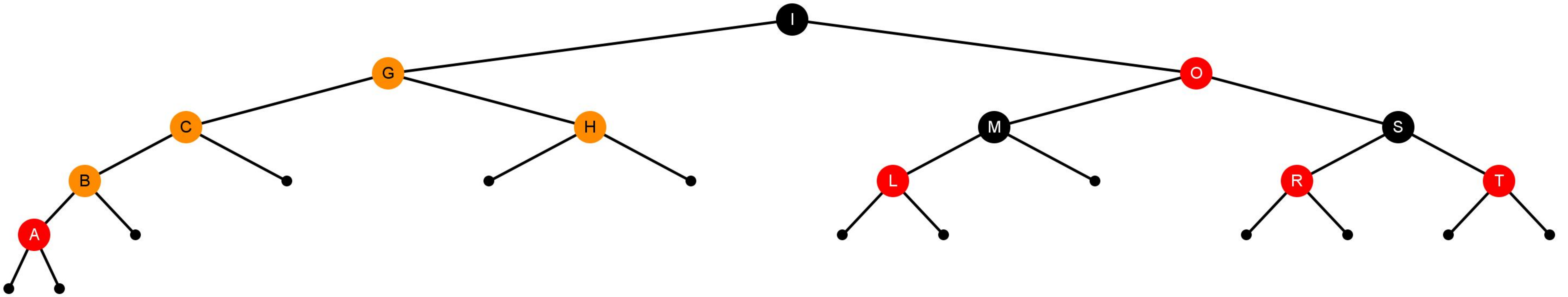
Fixing the path to the root

Colors swapped



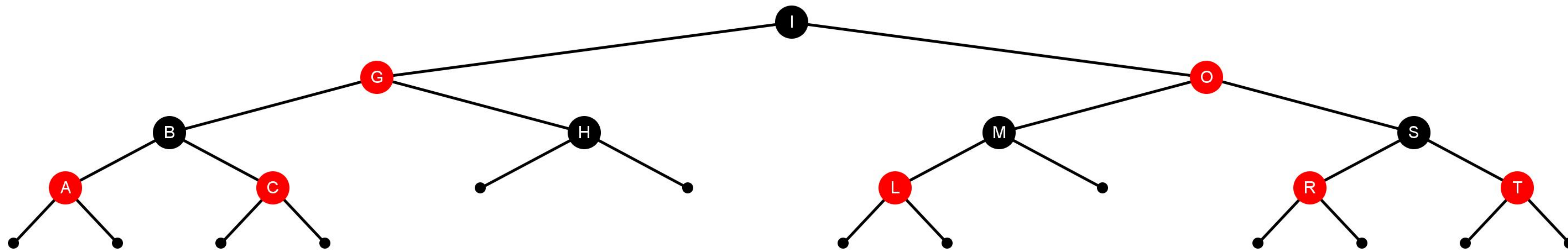
Fixing the path to the root

Rotate Right 'C'



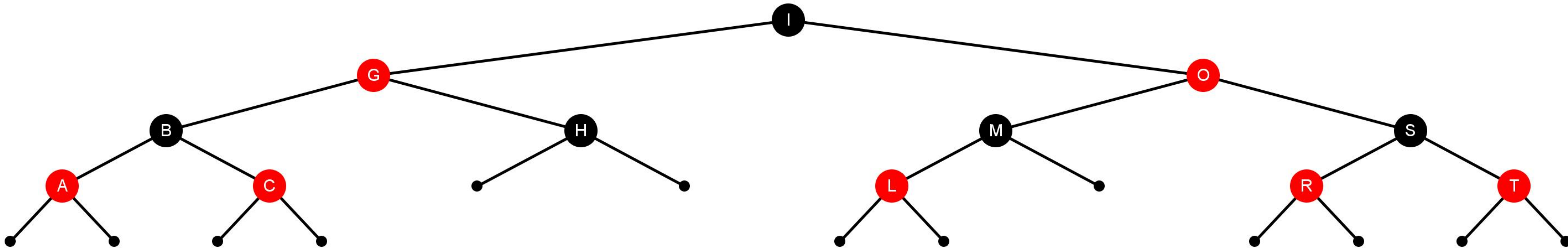
Fixing the path to the root

Rotate Right 'C'



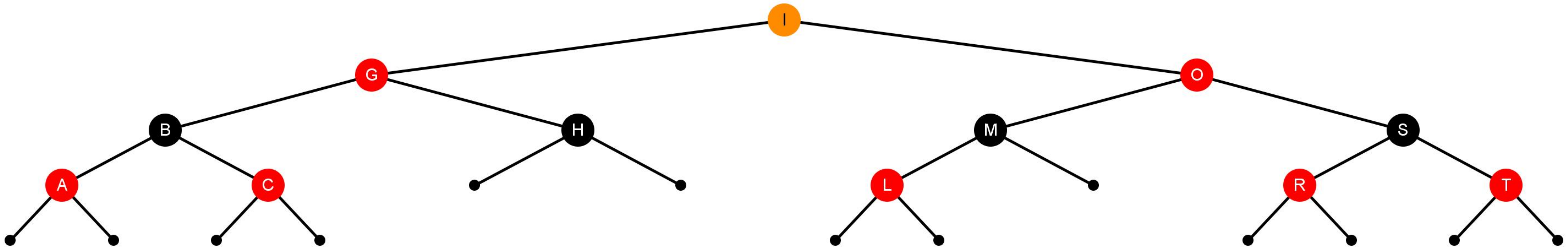
The element has been added

Rotate Right 'C'



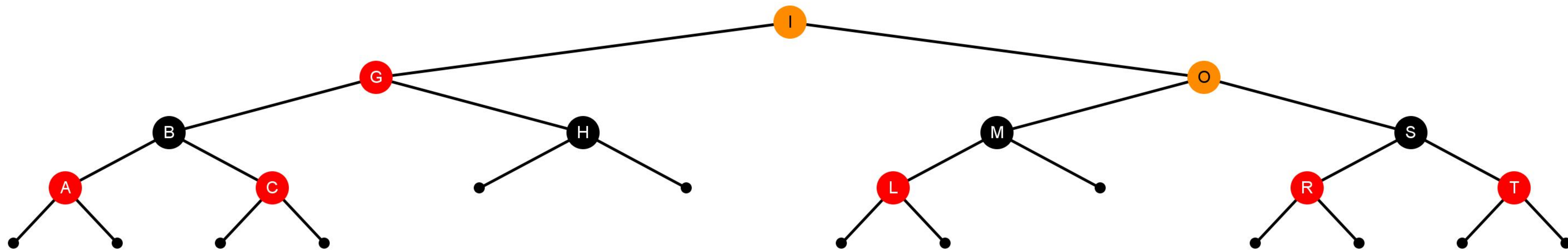
Inserting new element R

Compared with I is greater



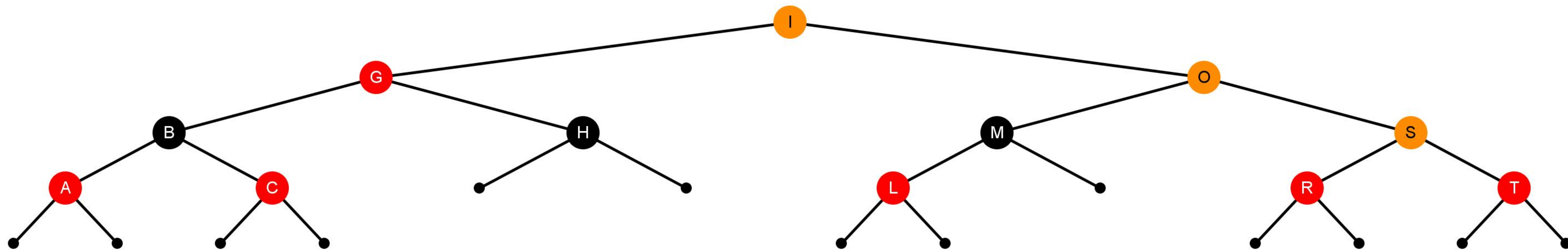
Inserting new element R

Compared with O is greater



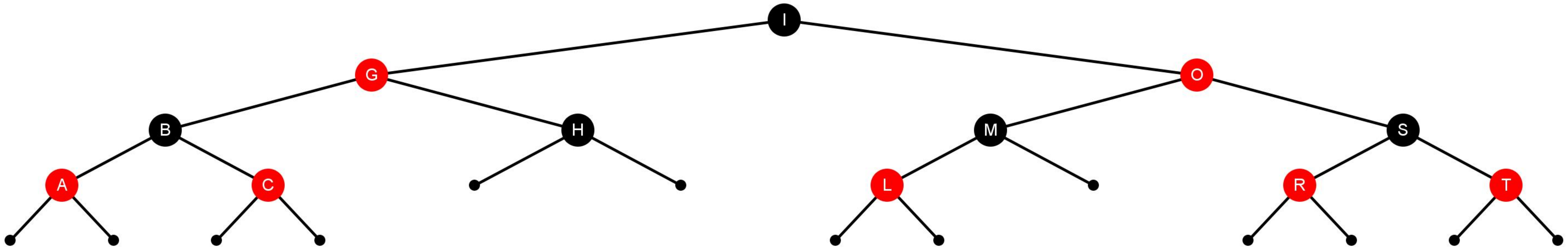
Inserting new element R

Compared with S is smaller



The element has been added

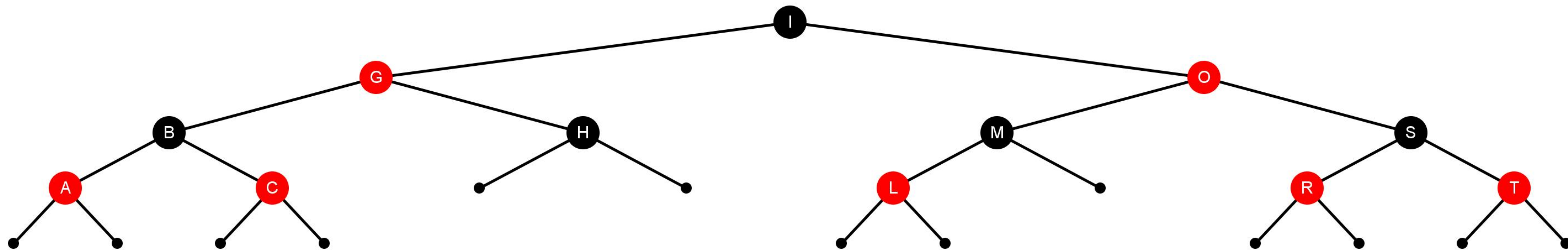
Compared with R is equal





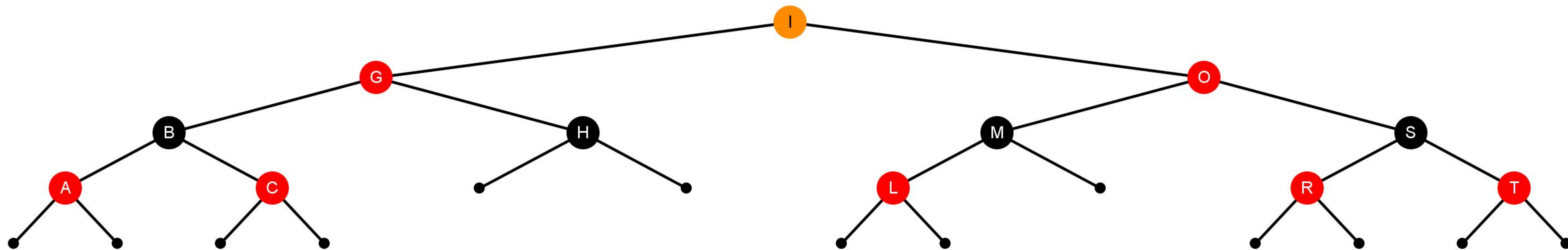
The element has been added

Compared with I is equal



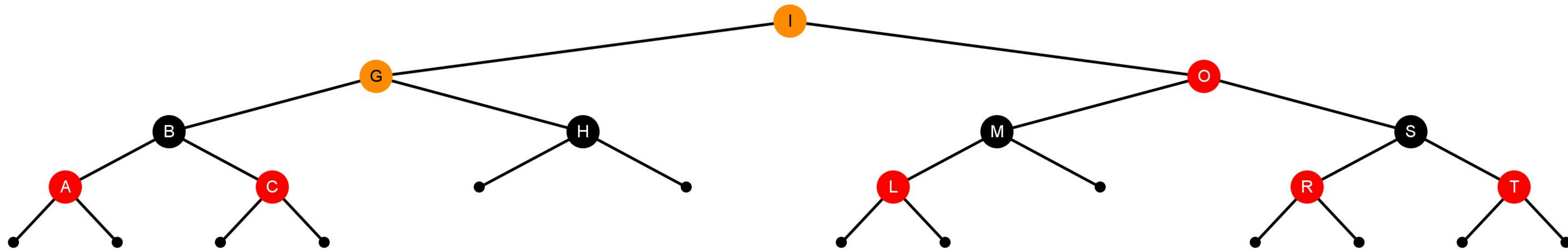
Inserting new element D

Compared with I is smaller



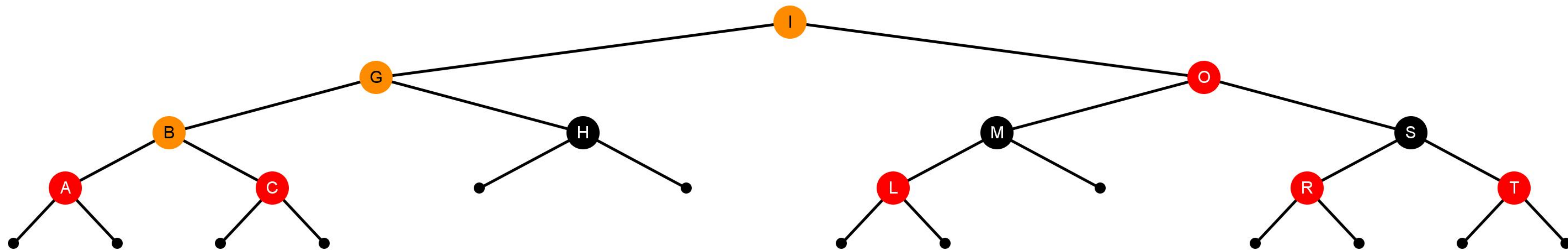
Inserting new element D

Compared with G is smaller



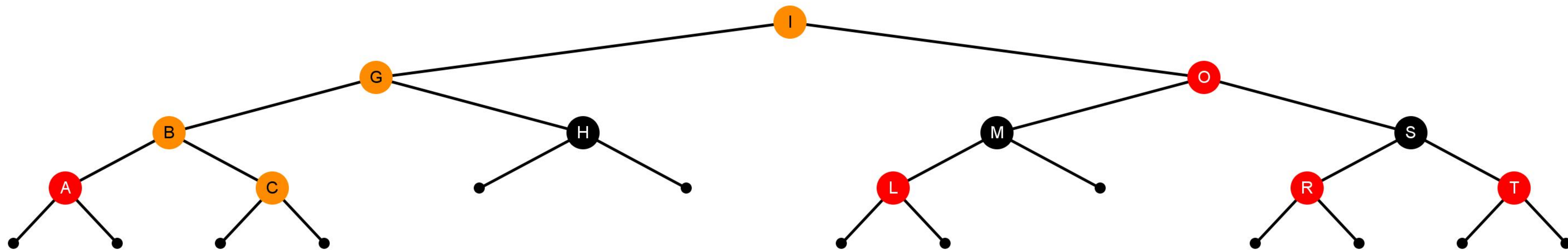
Inserting new element D

Compared with B is greater



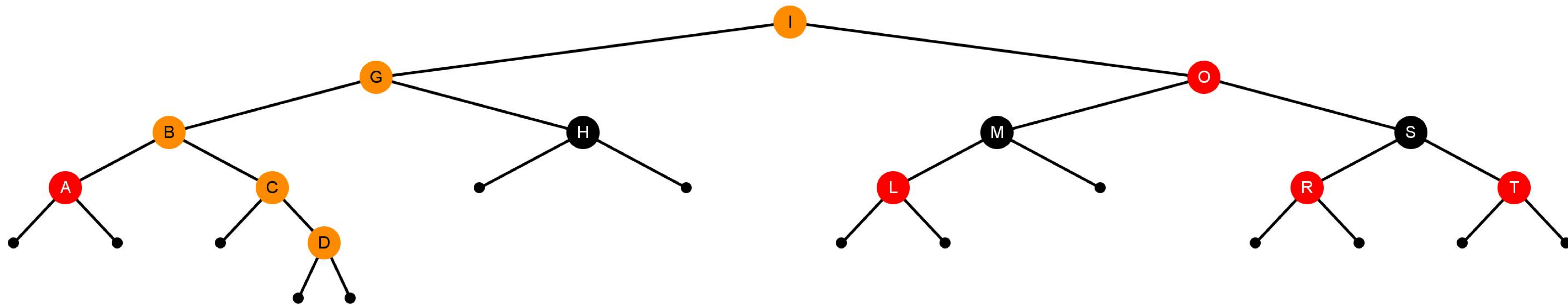
Inserting new element D

Compared with C is greater



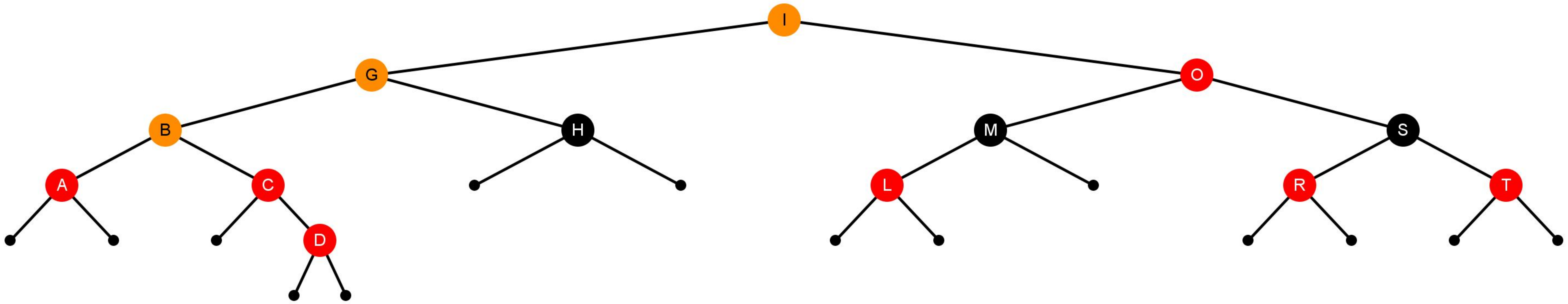
Fixing the path to the root

Swapping colors of these nodes



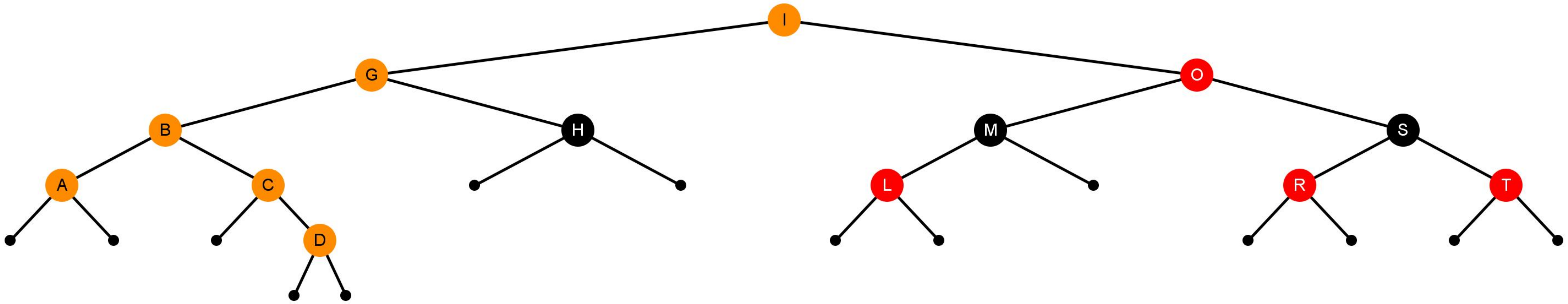
Fixing the path to the root

Colors swapped



Fixing the path to the root

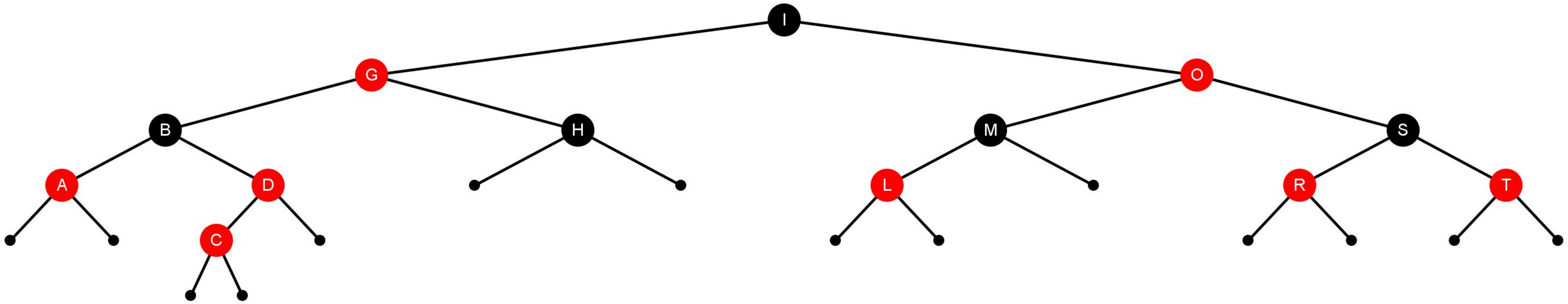
Rotate Left 'C'





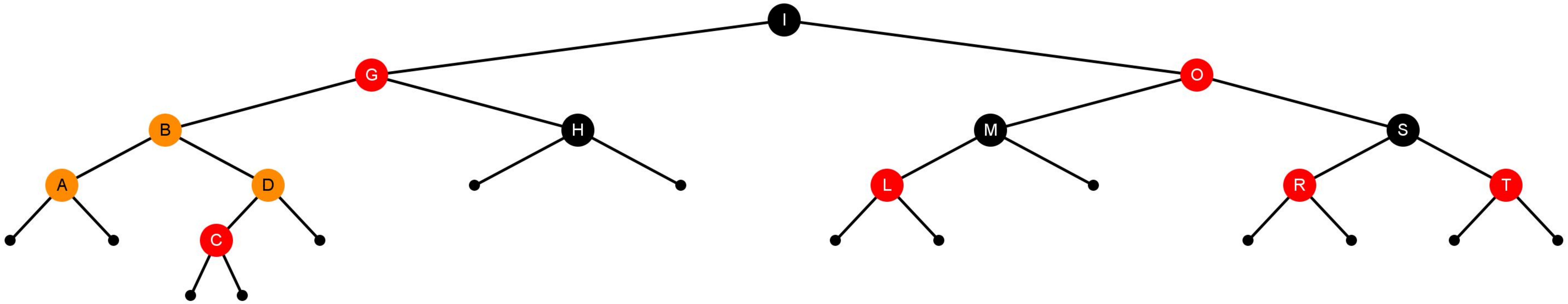
Fixing the path to the root

Rotated Left 'C'



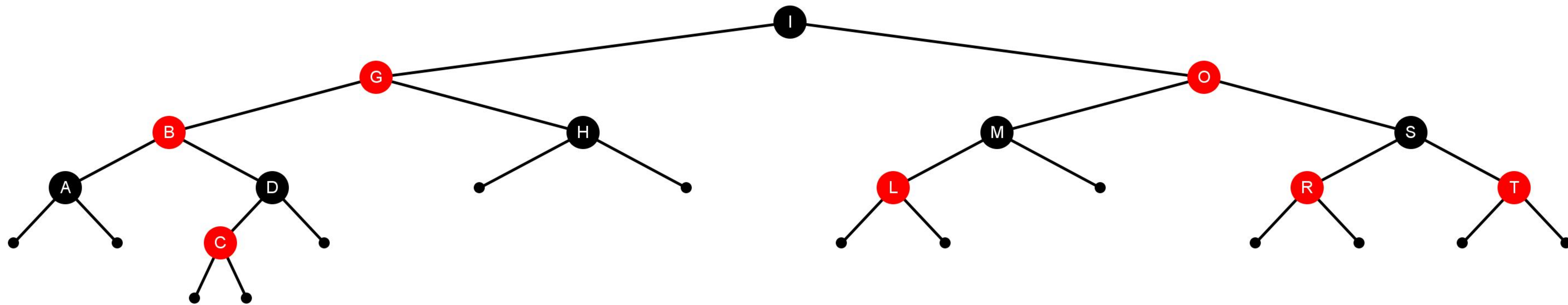
Fixing the path to the root

Push Black on B



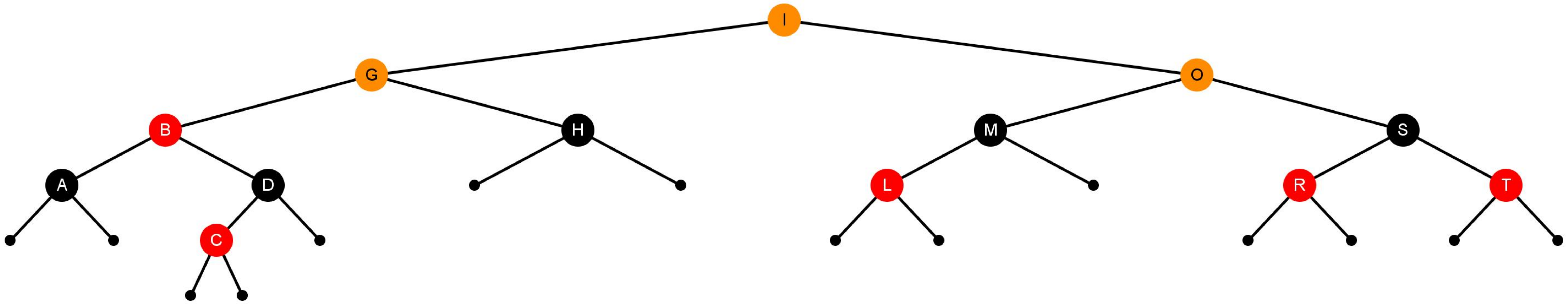
Fixing the path to the root

Push Black on B performed



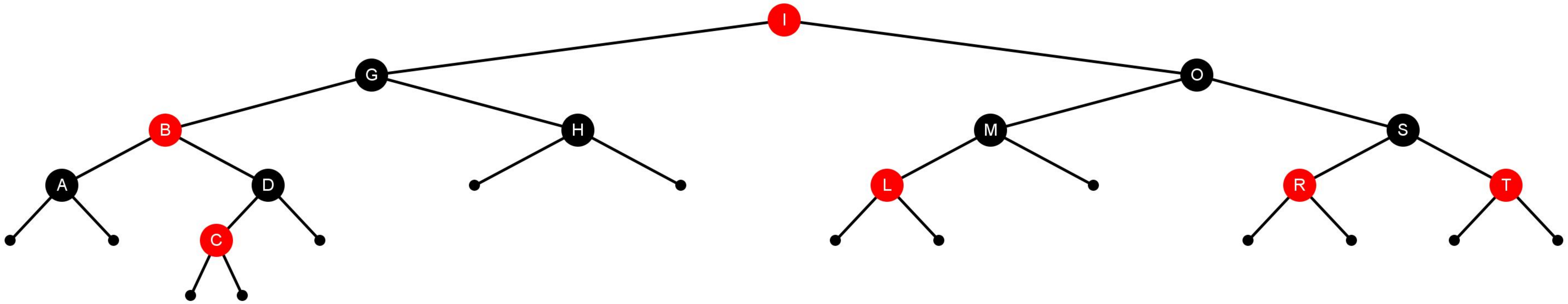
Fixing the path to the root

Push Black on I



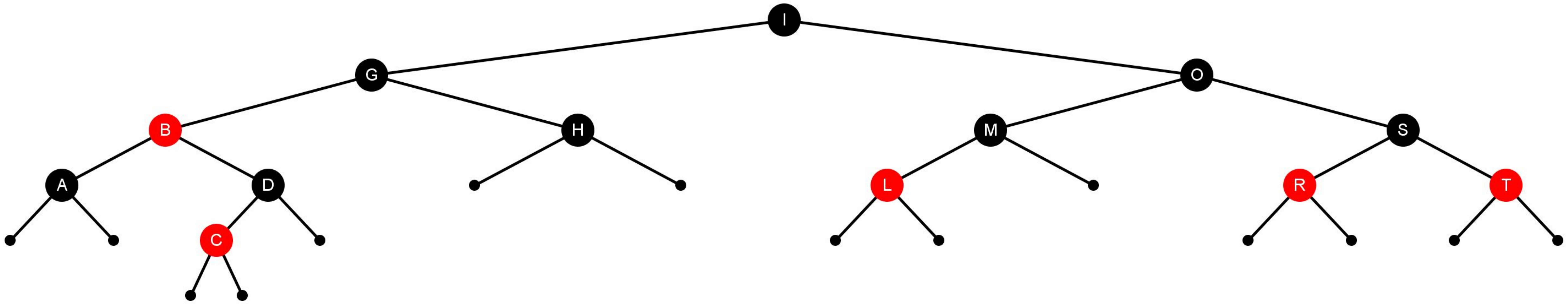
Fixing the path to the root

Push Black on I performed



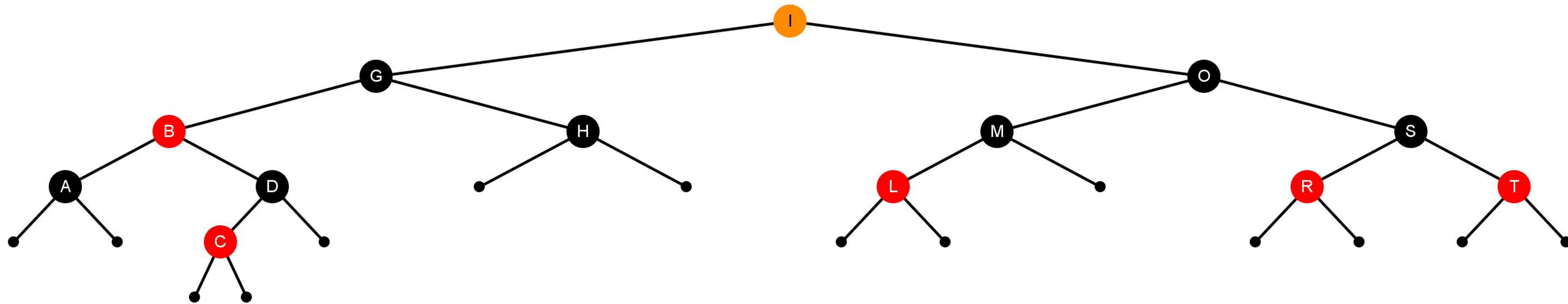
The element has been added

Push Black on I performed



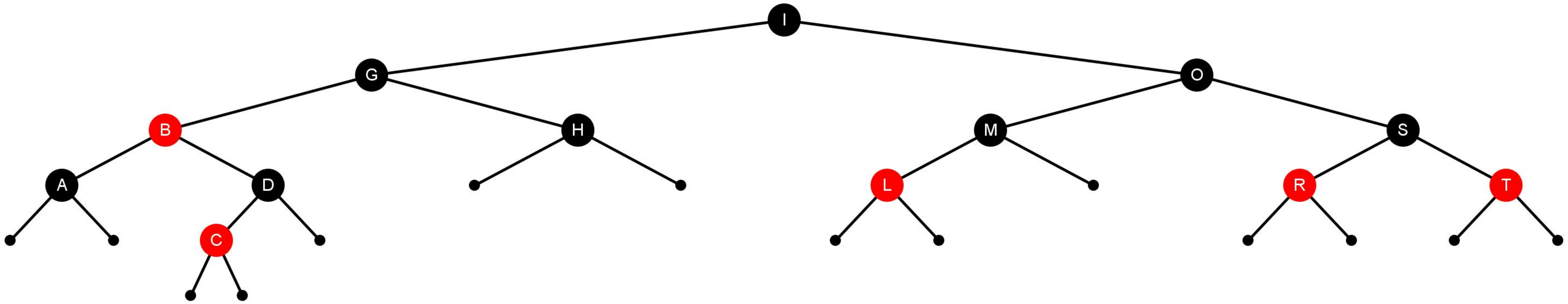
Inserting new element G

Compared with I is smaller



The element has been added

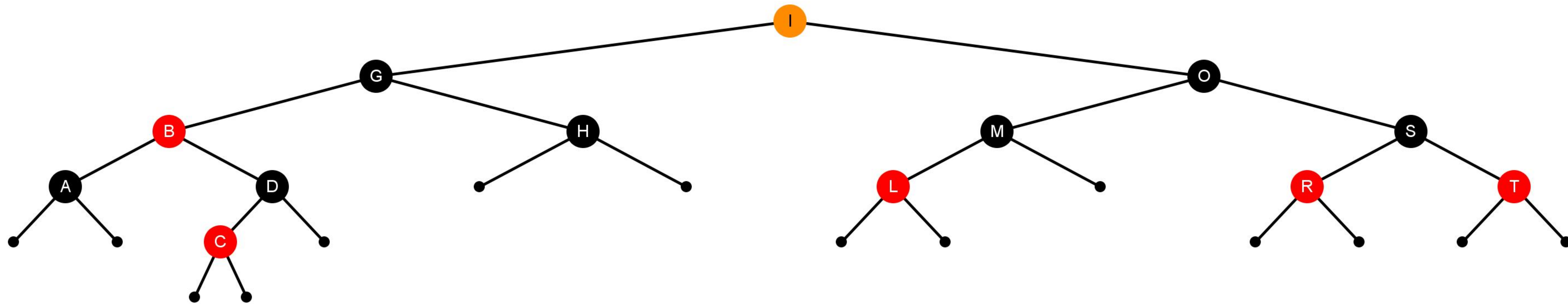
Compared with G is equal





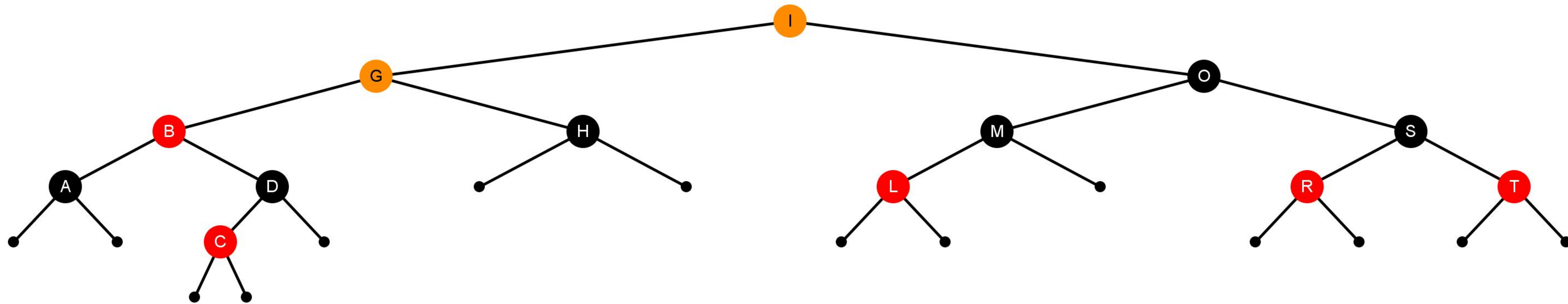
Inserting new element E

Compared with I is smaller



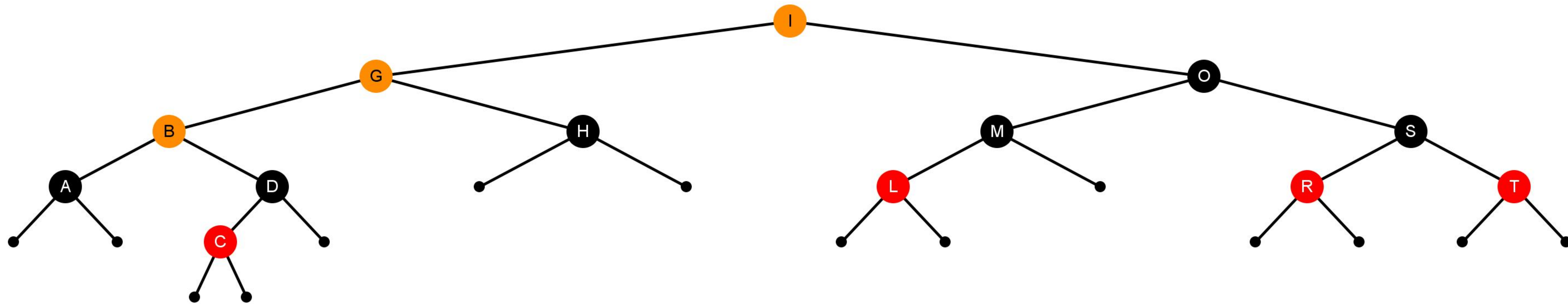
Inserting new element E

Compared with G is smaller



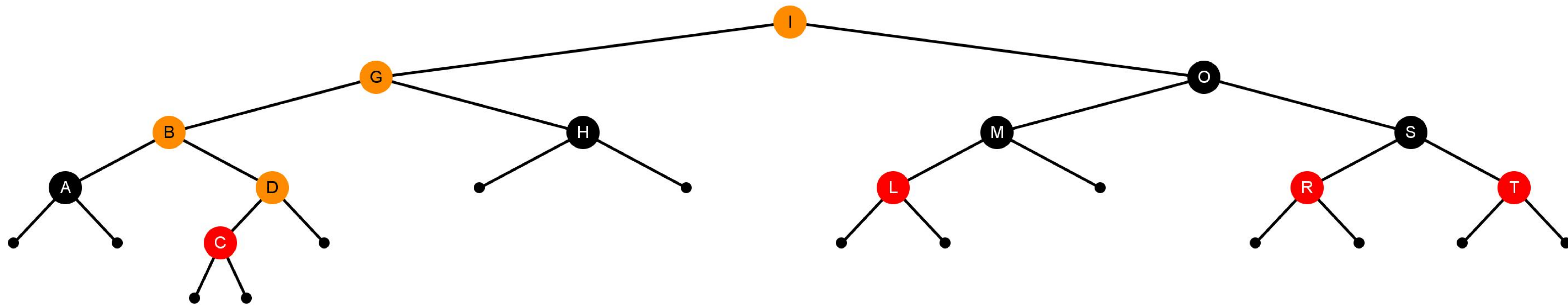
Inserting new element E

Compared with B is greater



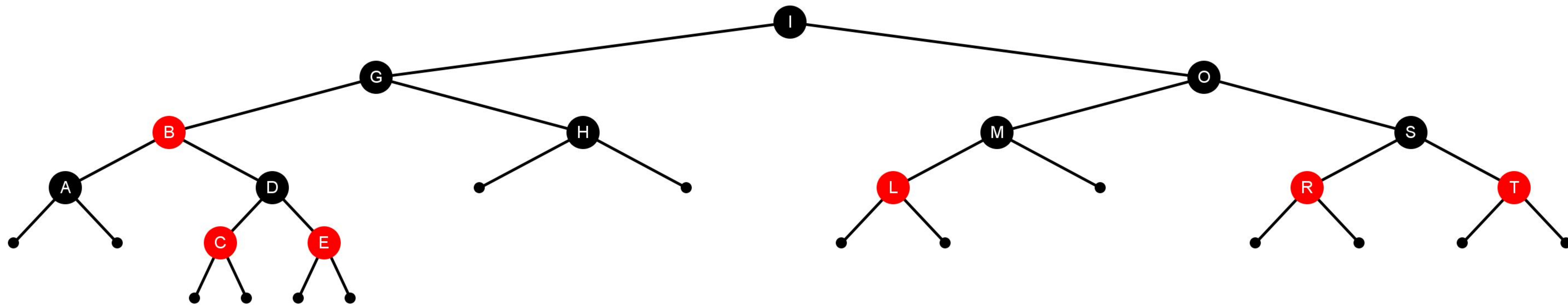
Inserting new element E

Compared with D is greater



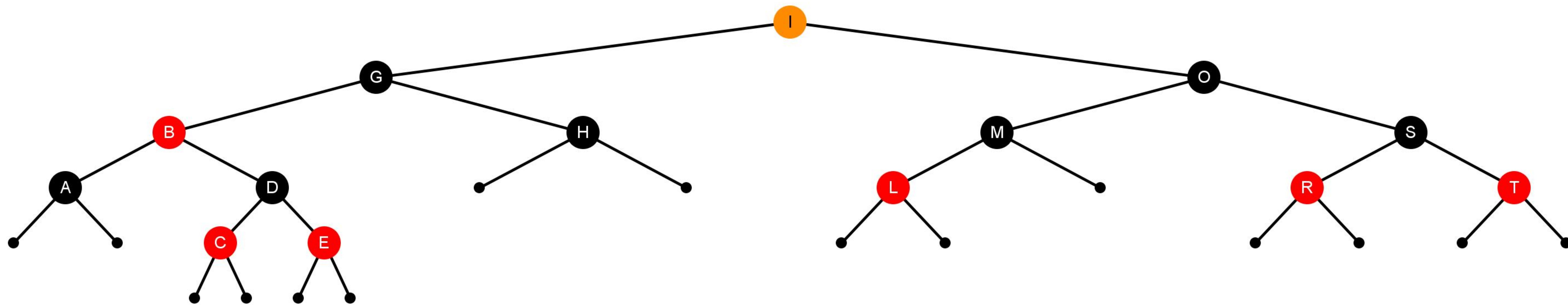
The element has been added

Compared with D is greater



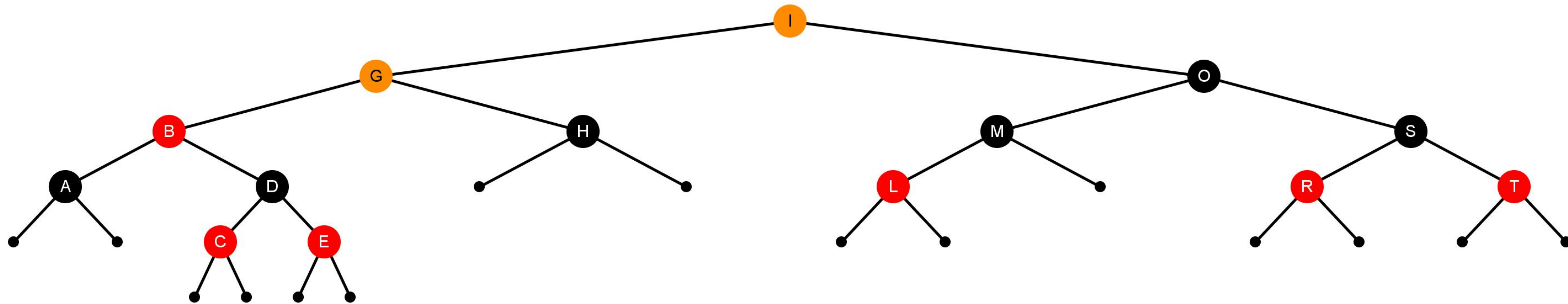
Inserting new element D

Compared with I is smaller



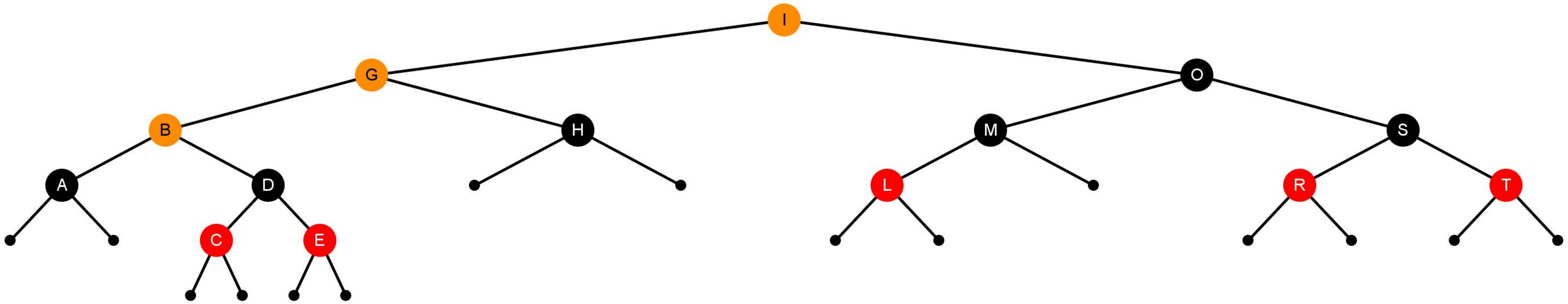
Inserting new element D

Compared with G is smaller



Inserting new element D

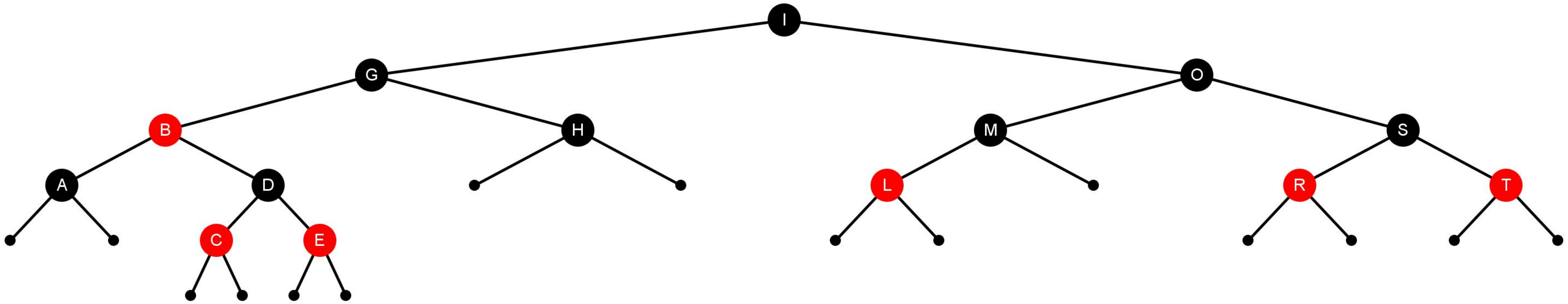
Compared with B is greater





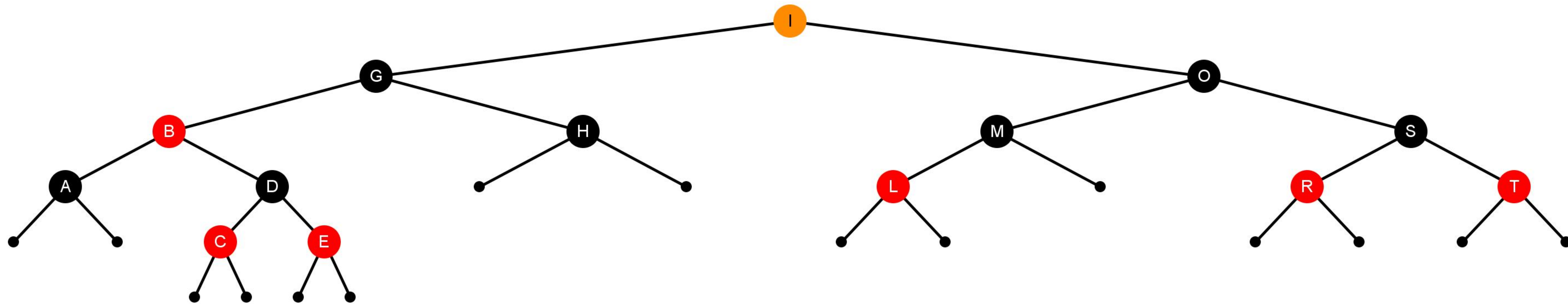
The element has been added

Compared with D is equal



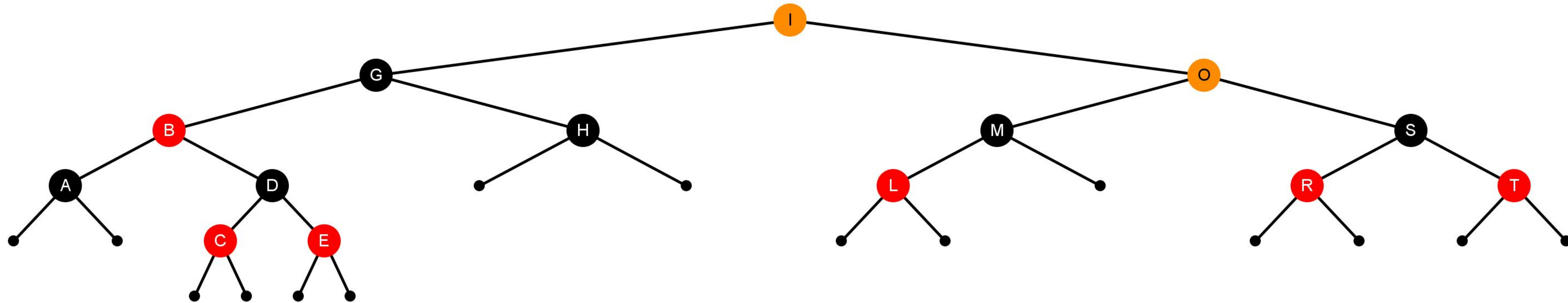
Inserting new element L

Compared with I is greater



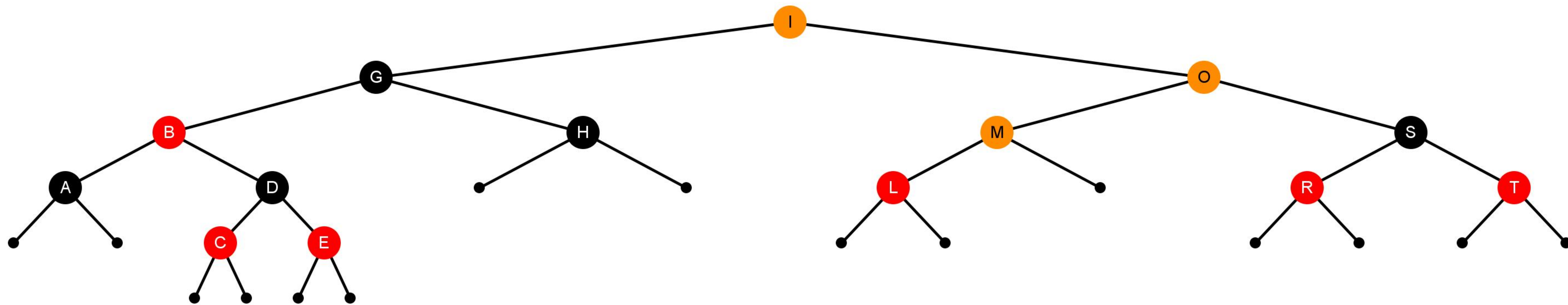
Inserting new element L

Compared with O is smaller



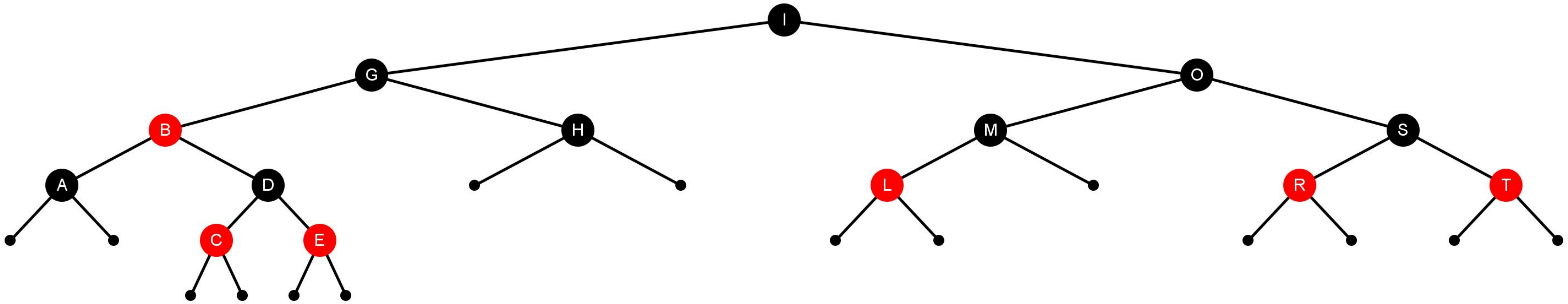
Inserting new element L

Compared with M is smaller



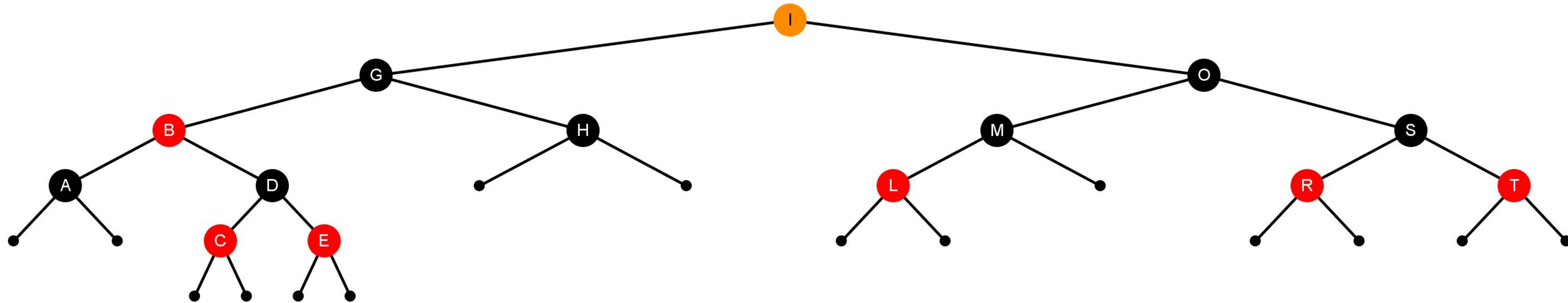
The element has been added

Compared with L is equal



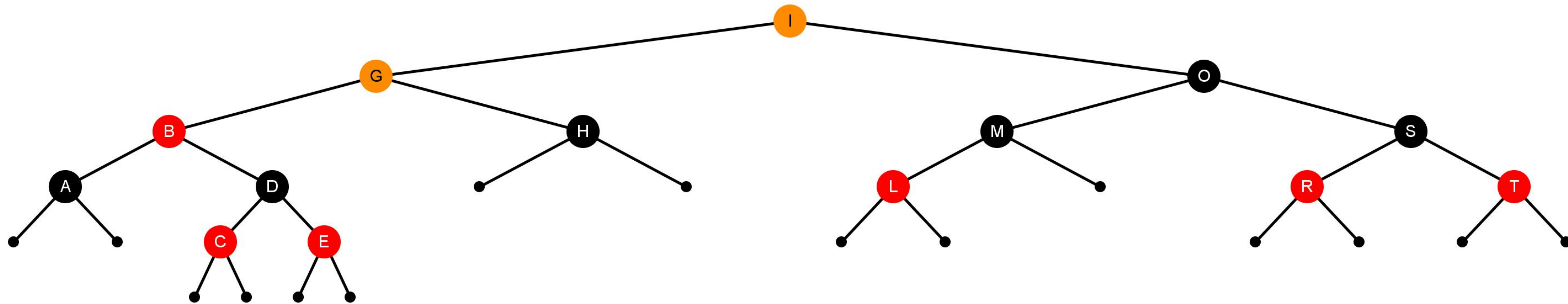
Inserting new element 5

Compared with I is smaller



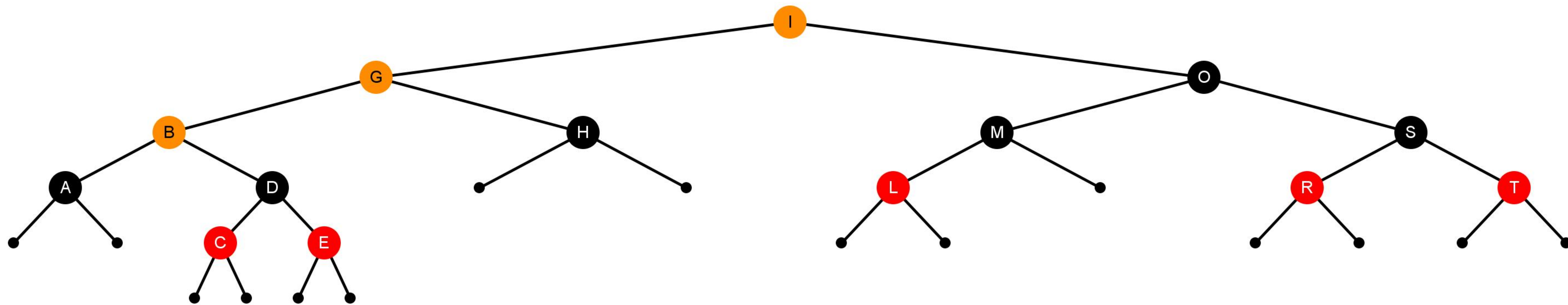
Inserting new element 5

Compared with G is smaller



Inserting new element 5

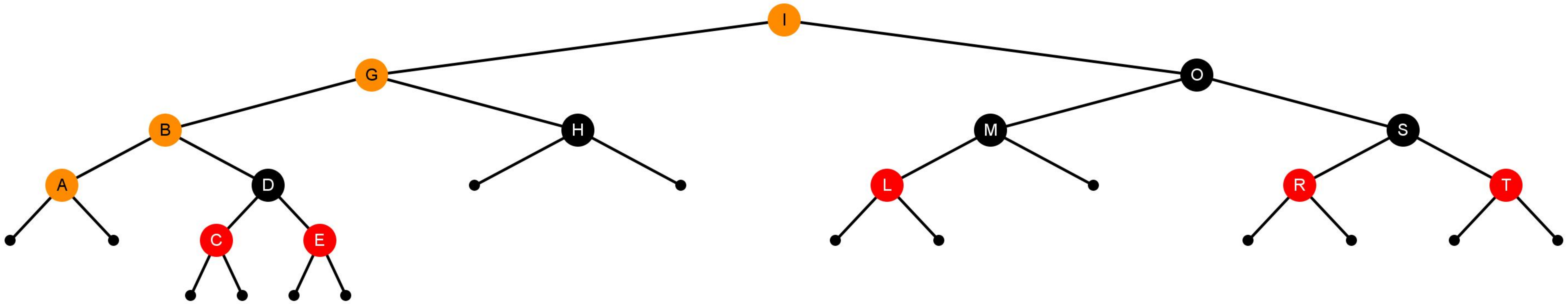
Compared with B is smaller





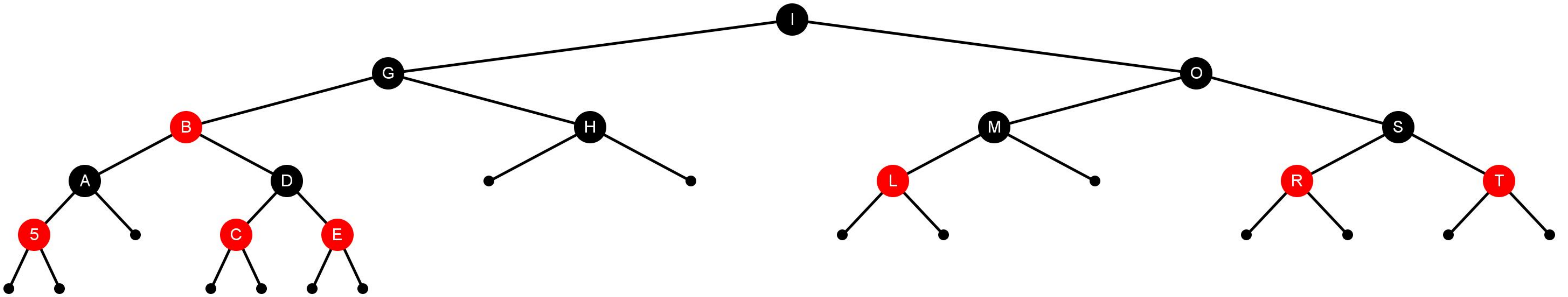
Inserting new element 5

Compared with A is smaller



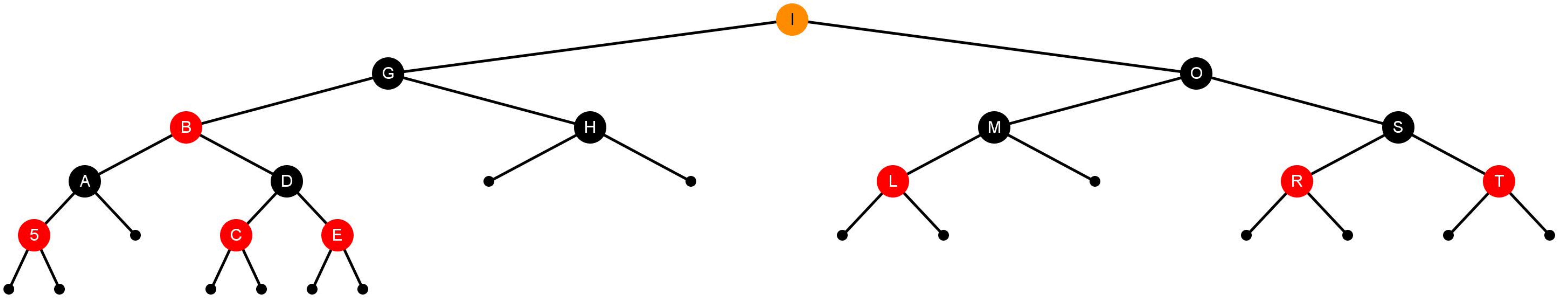
The element has been added

Compared with A is smaller



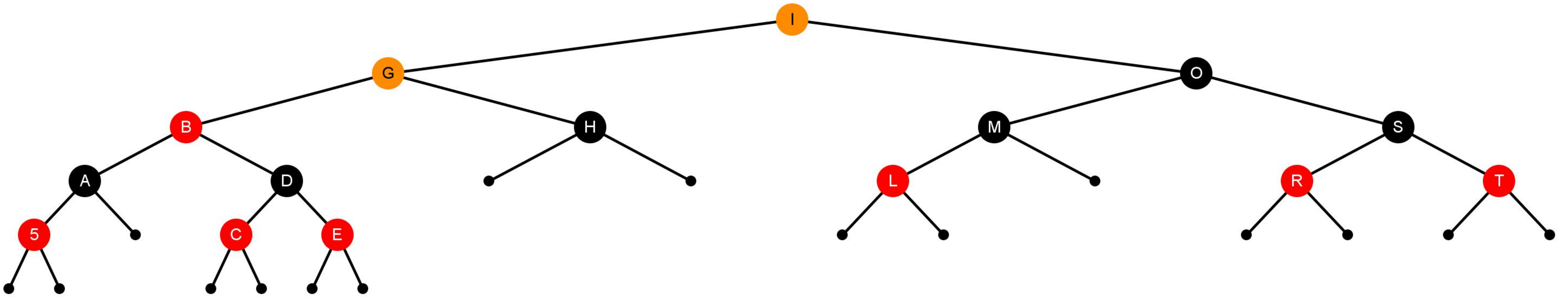
Inserting new element 1

Compared with I is smaller



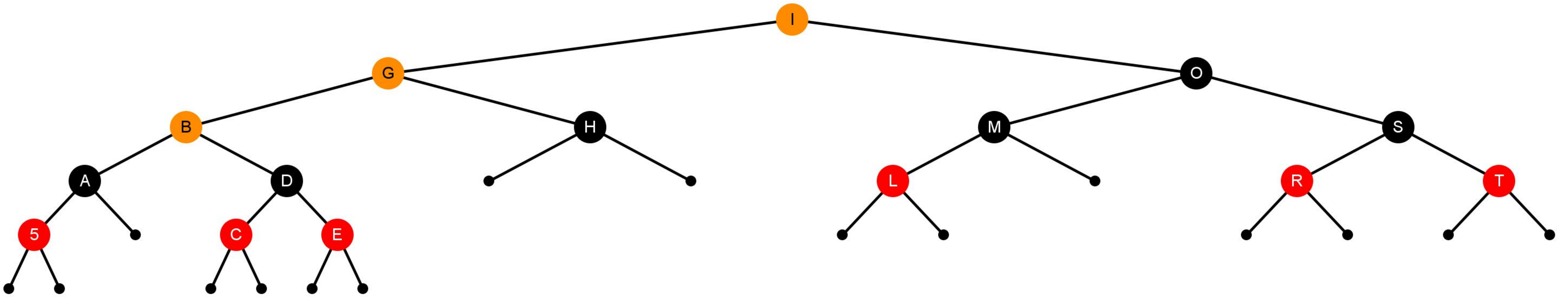
Inserting new element 1

Compared with G is smaller



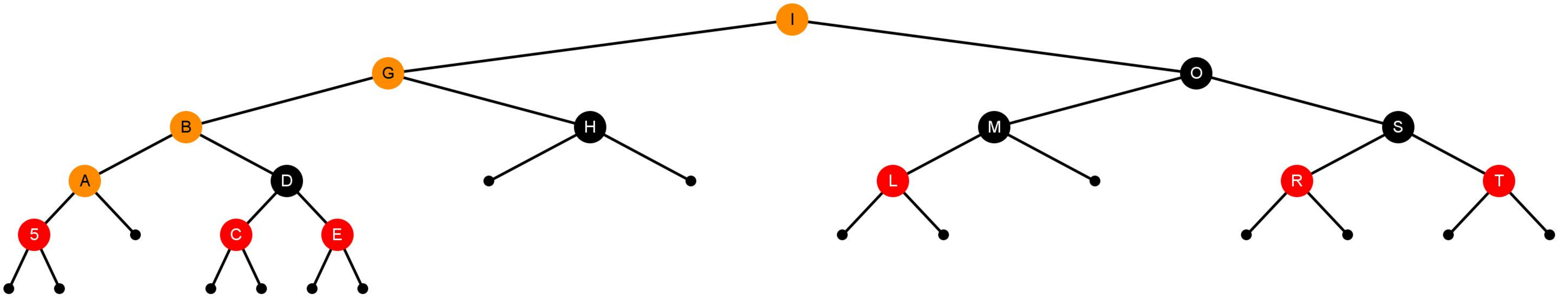
Inserting new element 1

Compared with B is smaller



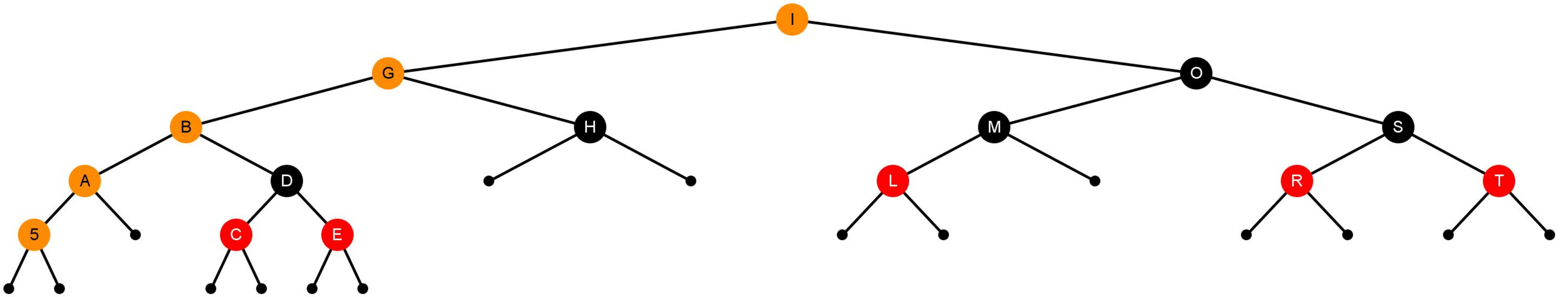
Inserting new element 1

Compared with A is smaller



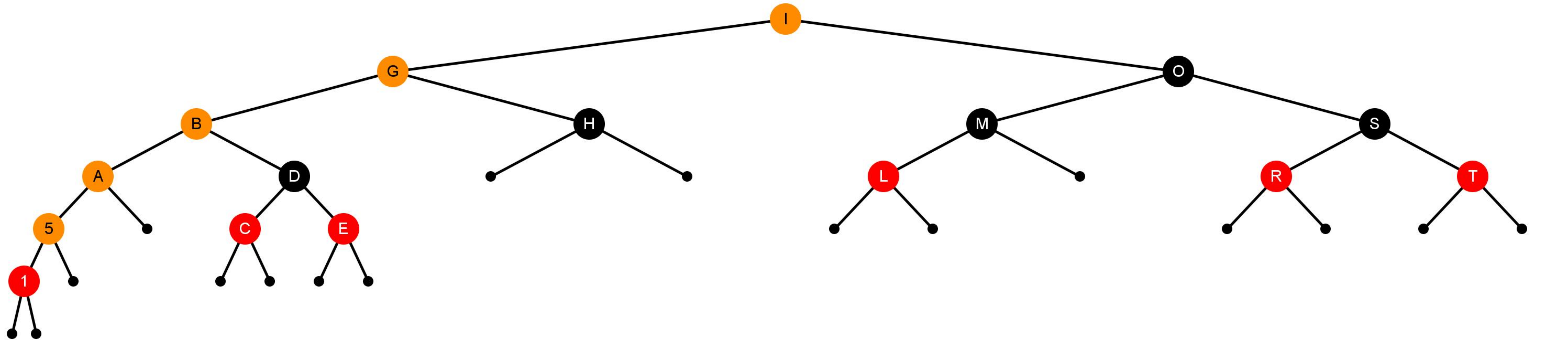
Inserting new element 1

Compared with 5 is smaller



Fixing the path to the root

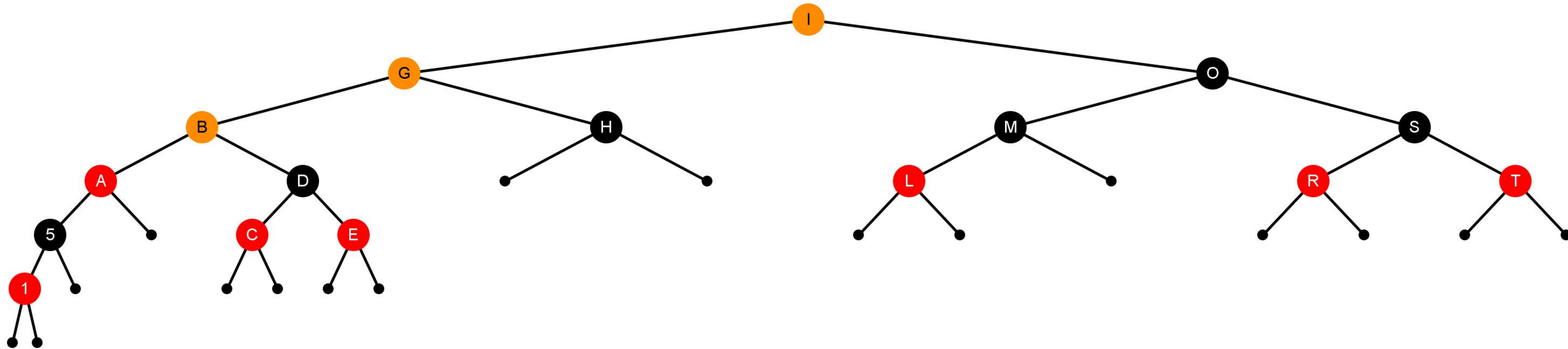
Swapping colors of these nodes





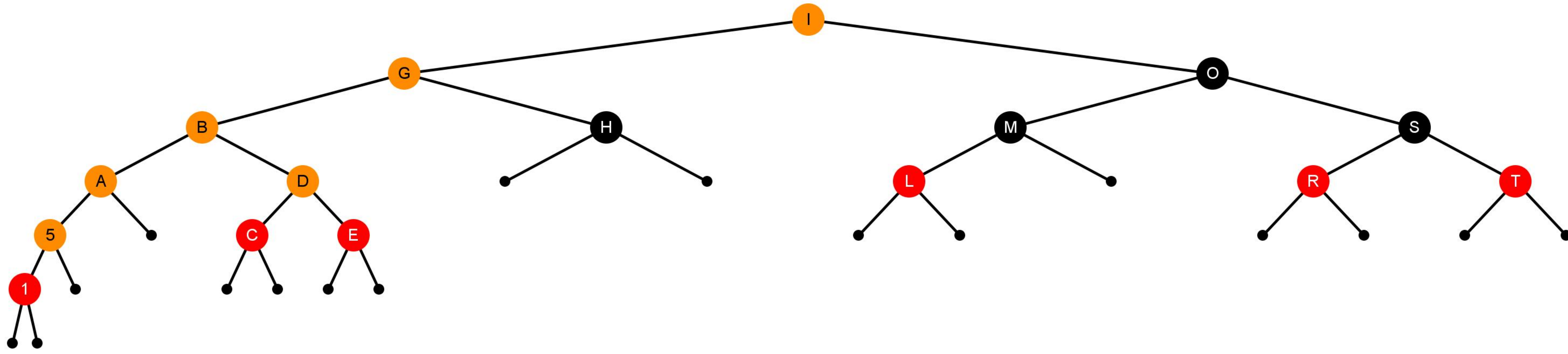
Fixing the path to the root

Colors swapped



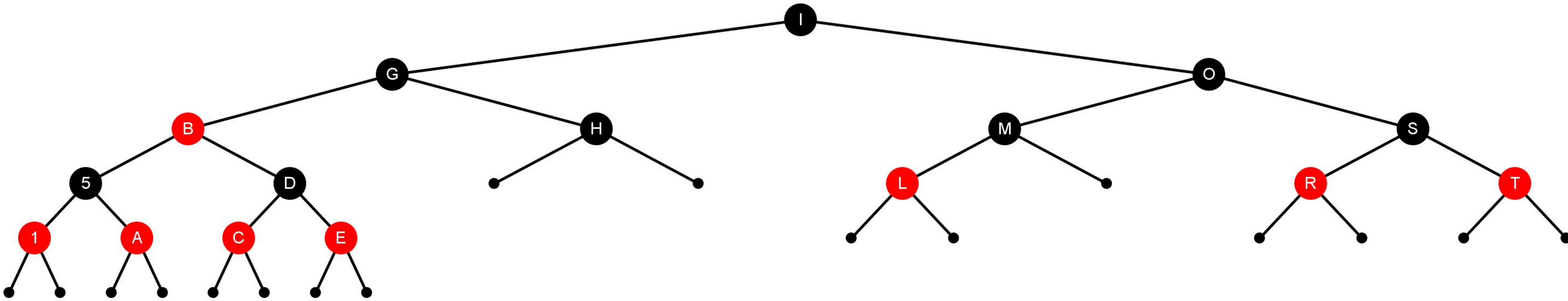
Fixing the path to the root

Rotate Right 'A'



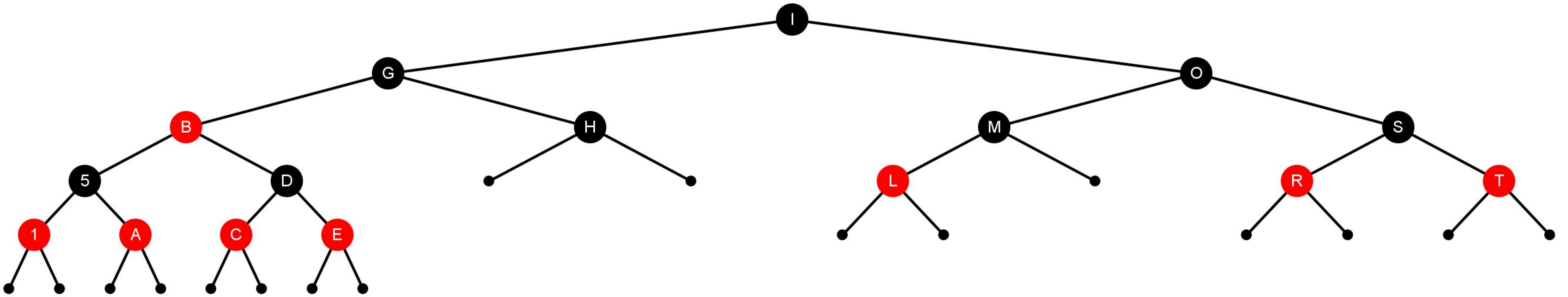
Fixing the path to the root

Rotate Right 'A'



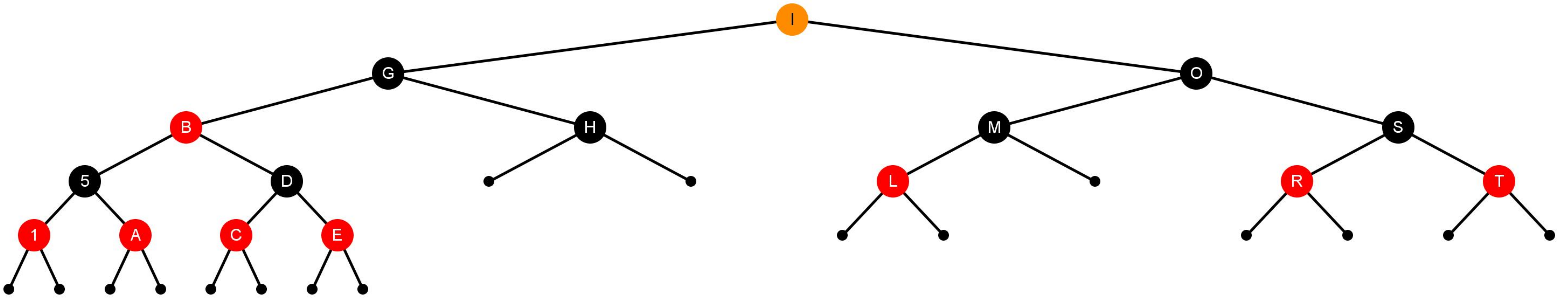
The element has been added

Rotate Right 'A'



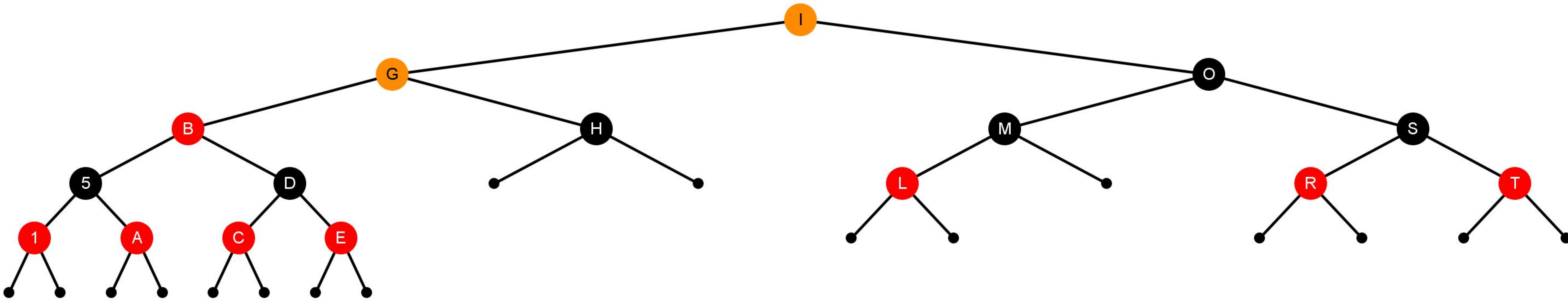
Inserting new element 6

Compared with I is smaller



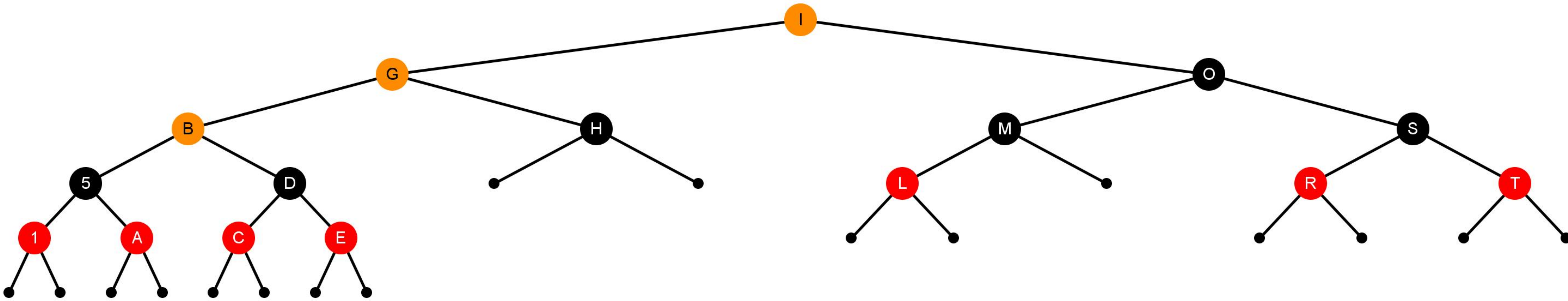
Inserting new element 6

Compared with G is smaller



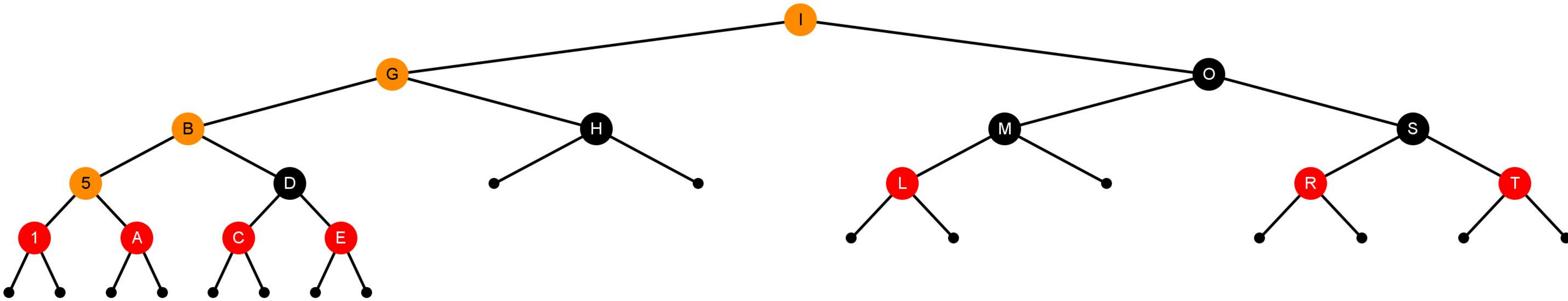
Inserting new element 6

Compared with B is smaller



Inserting new element 6

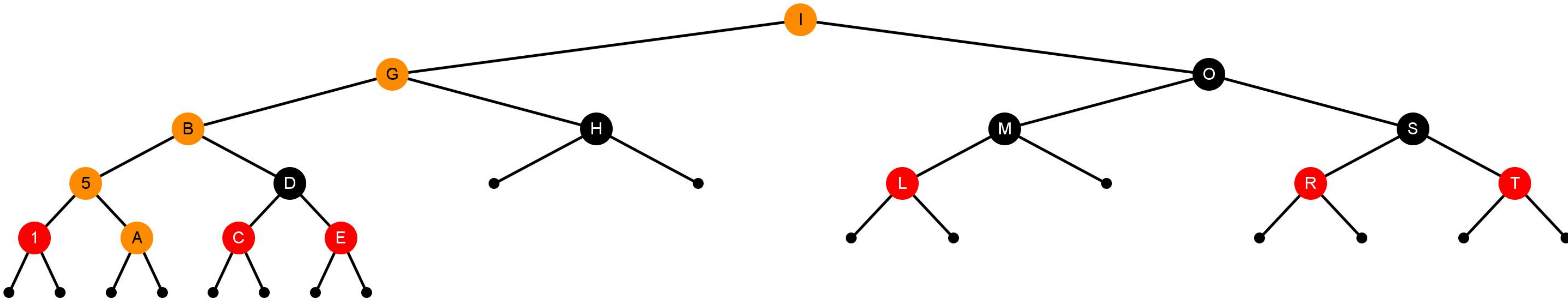
Compared with 5 is greater

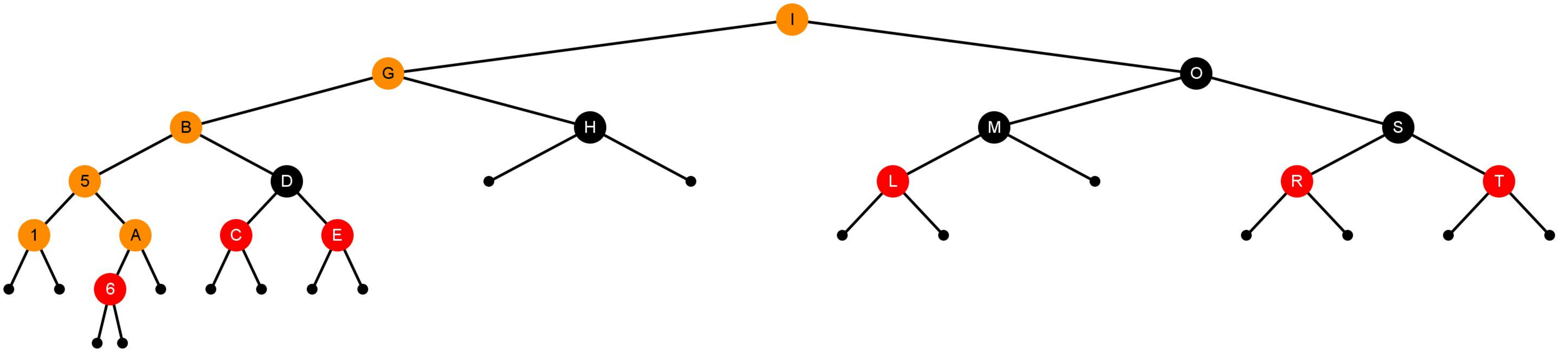




Inserting new element 6

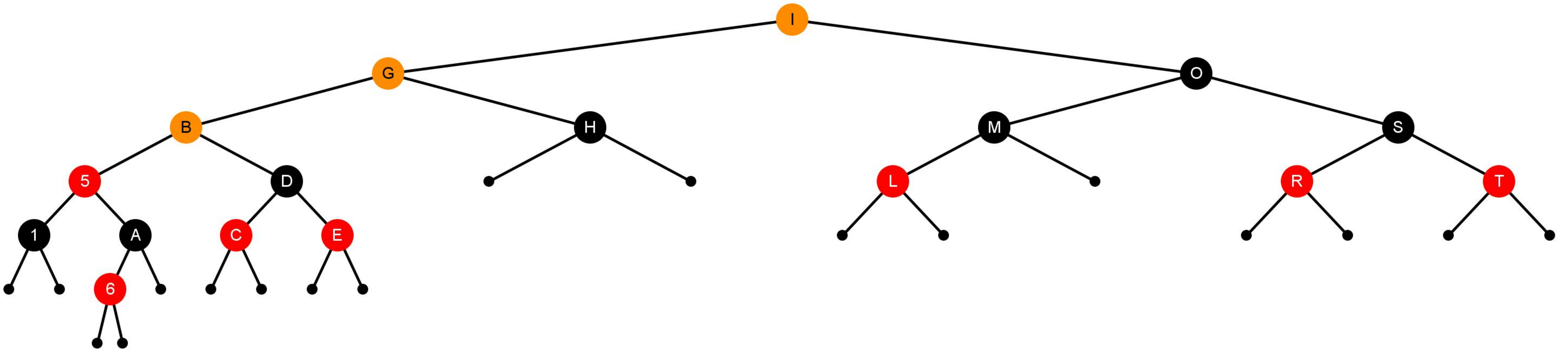
Compared with A is smaller





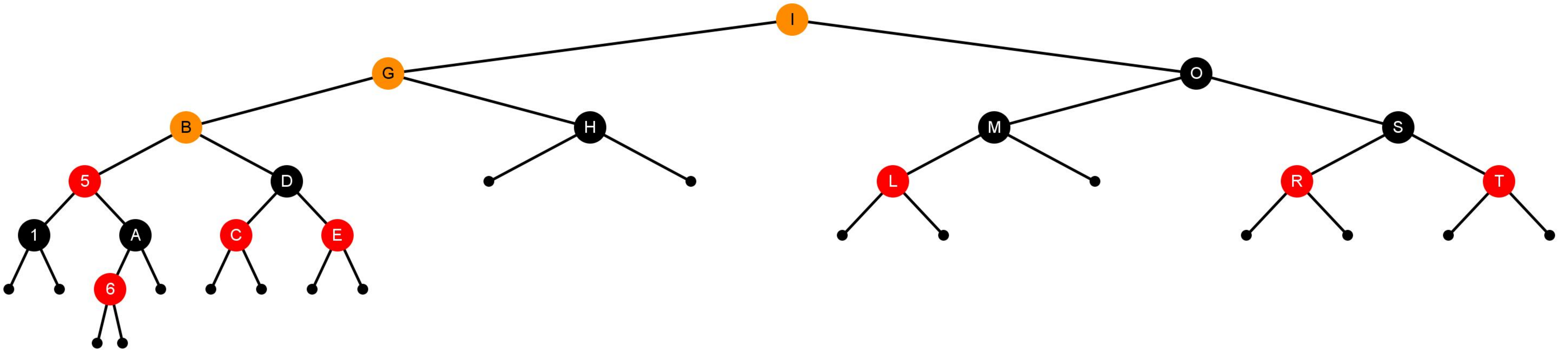
Fixing the path to the root

Push Black on 5 performed



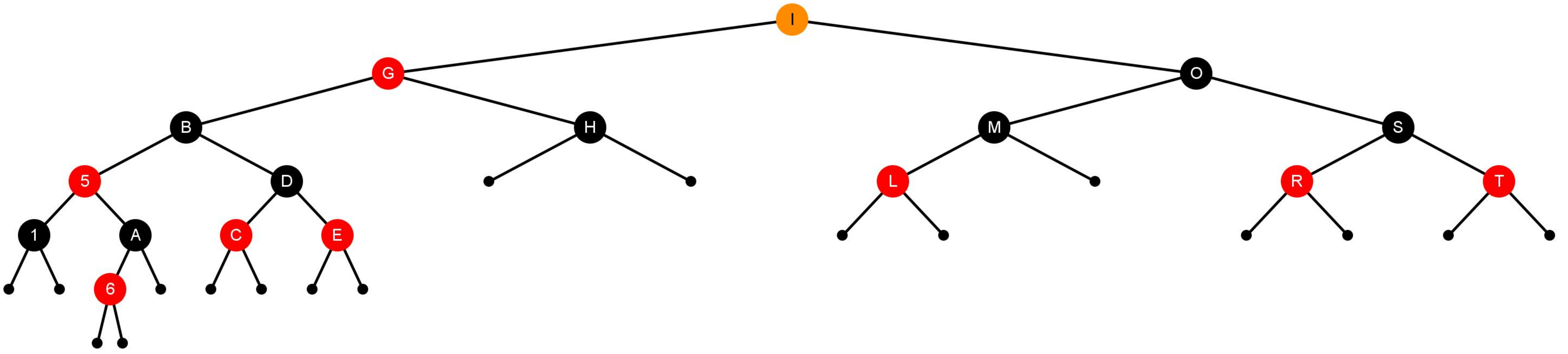
Fixing the path to the root

Swapping colors of these nodes



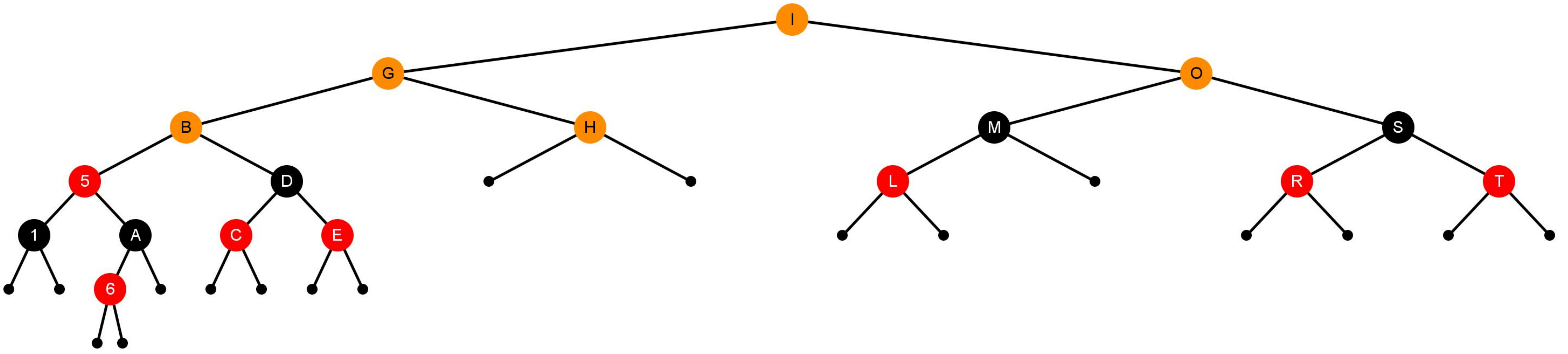
Fixing the path to the root

Colors swapped



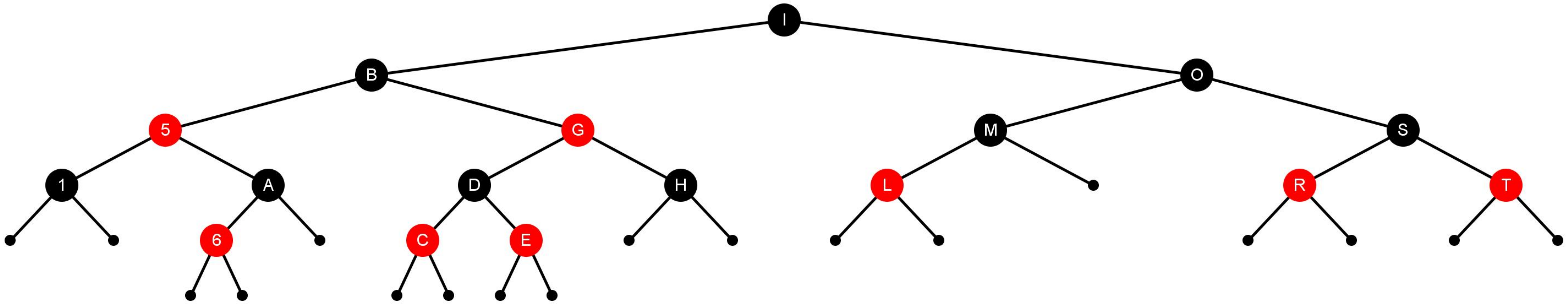
Fixing the path to the root

Rotate Right 'G'



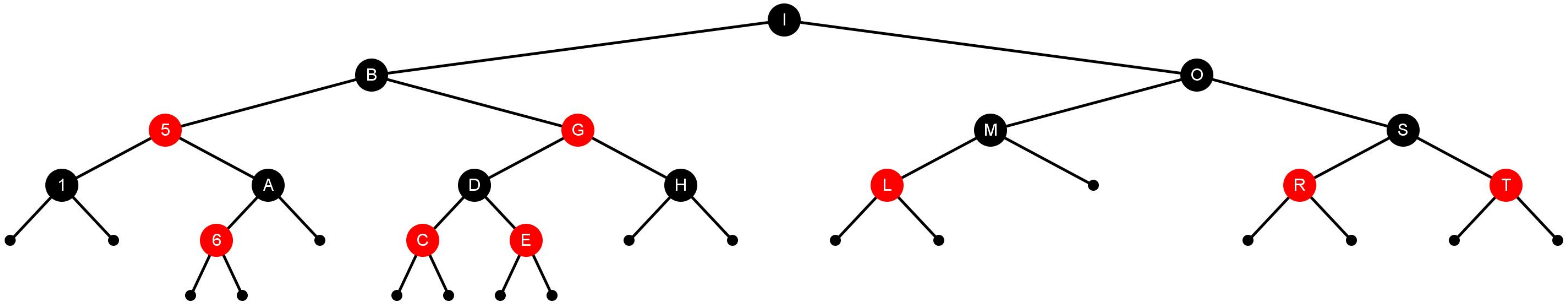
Fixing the path to the root

Rotate Right 'G'



The element has been added

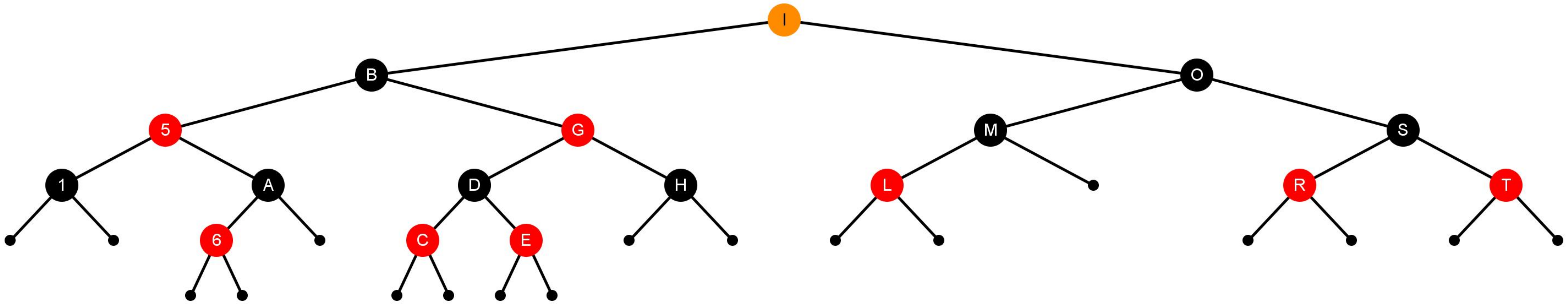
Rotate Right 'G'





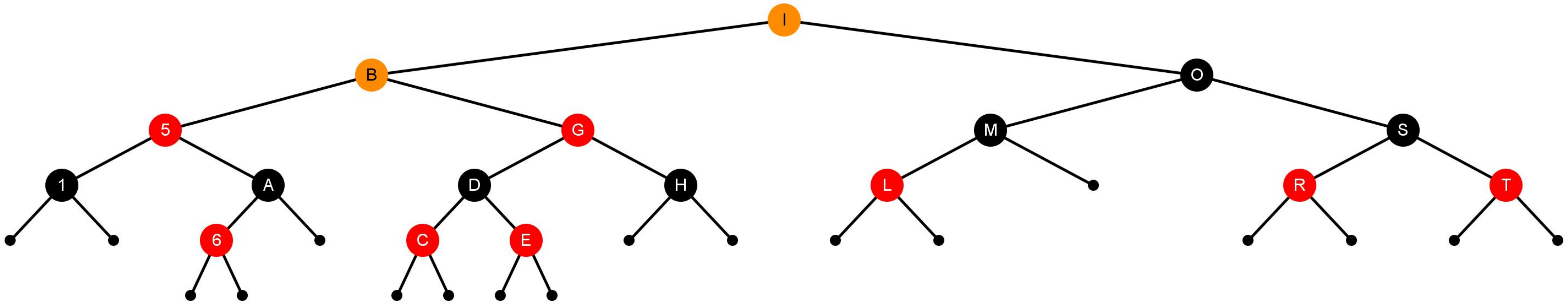
Searching for A

Compared with I is smaller



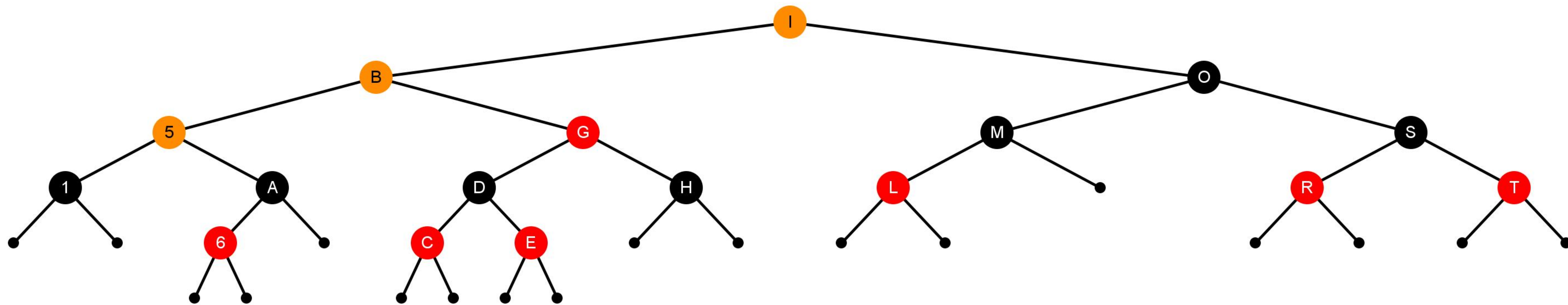
Searching for A

Compared with B is smaller



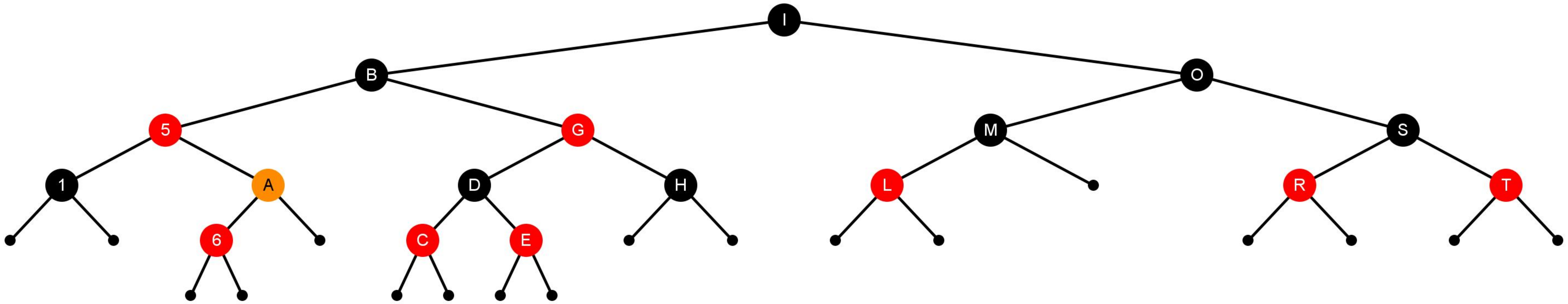
Searching for A

Compared with 5 is greater



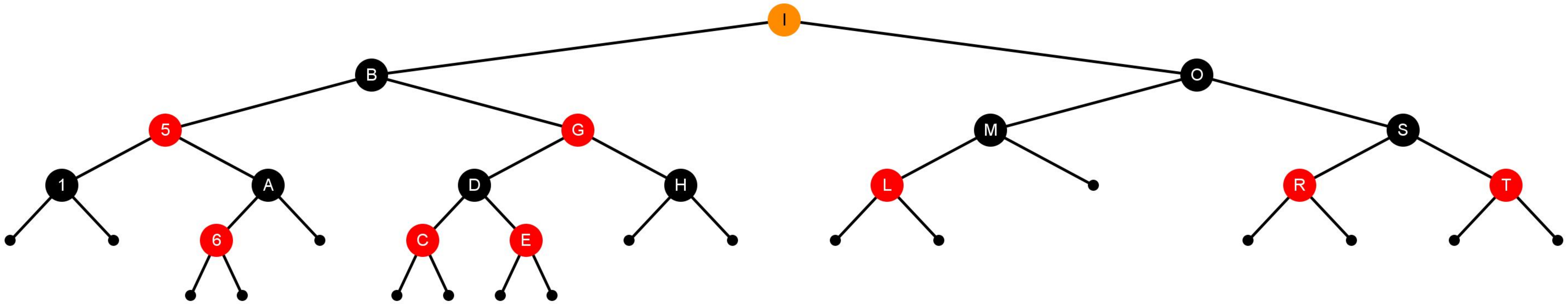
Searching for A

Found the node



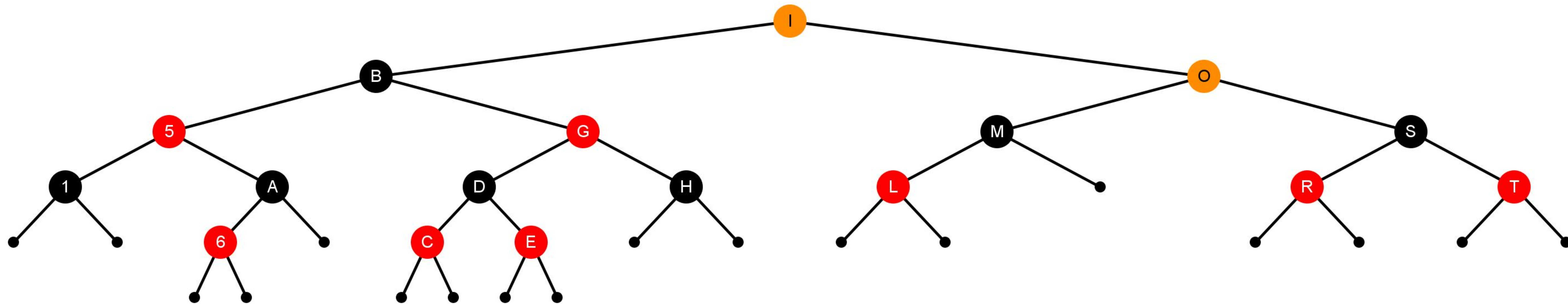
Searching for Z

Compared with I is greater



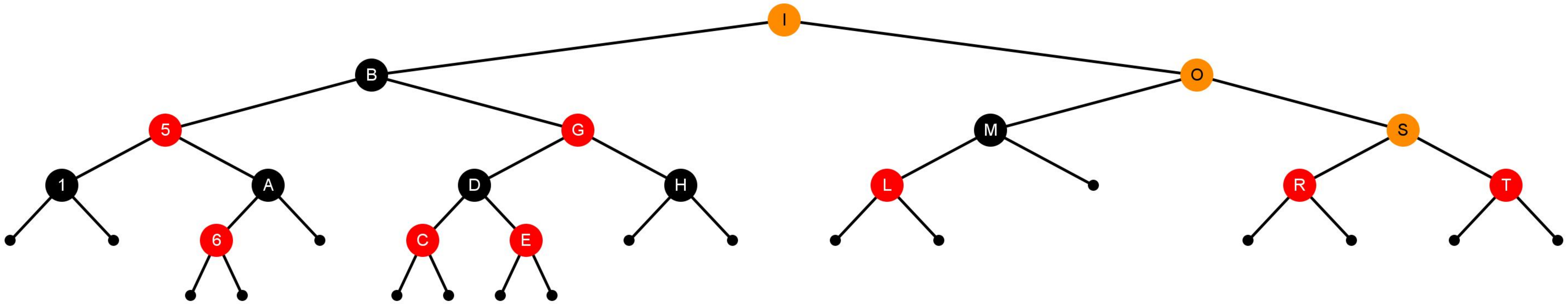
Searching for Z

Compared with O is greater



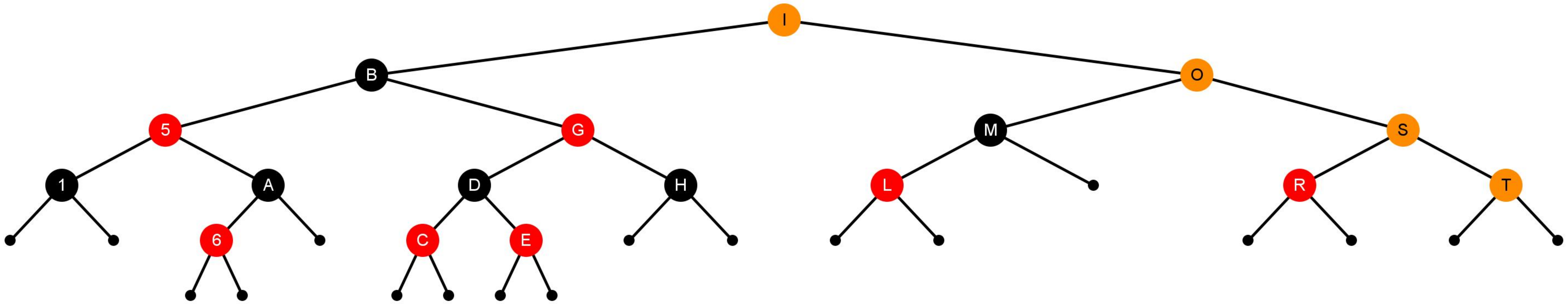
Searching for Z

Compared with S is greater



Searching for Z

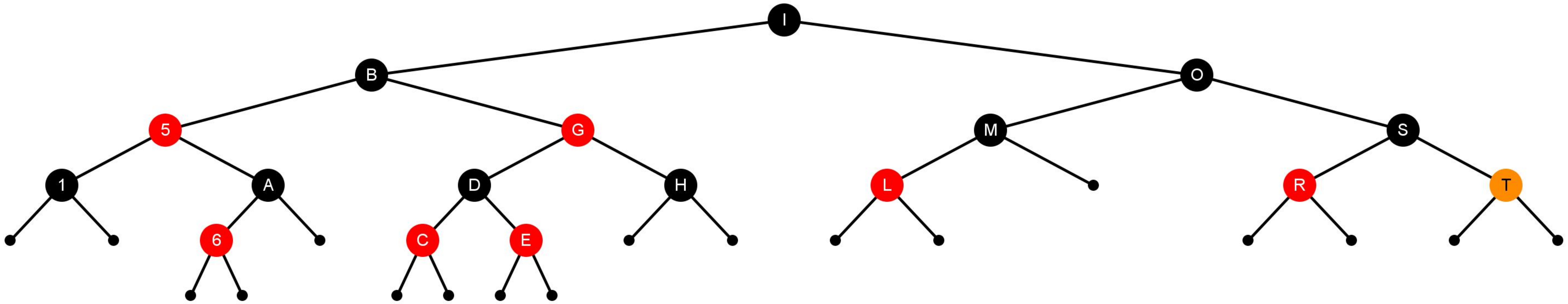
Compared with T is greater





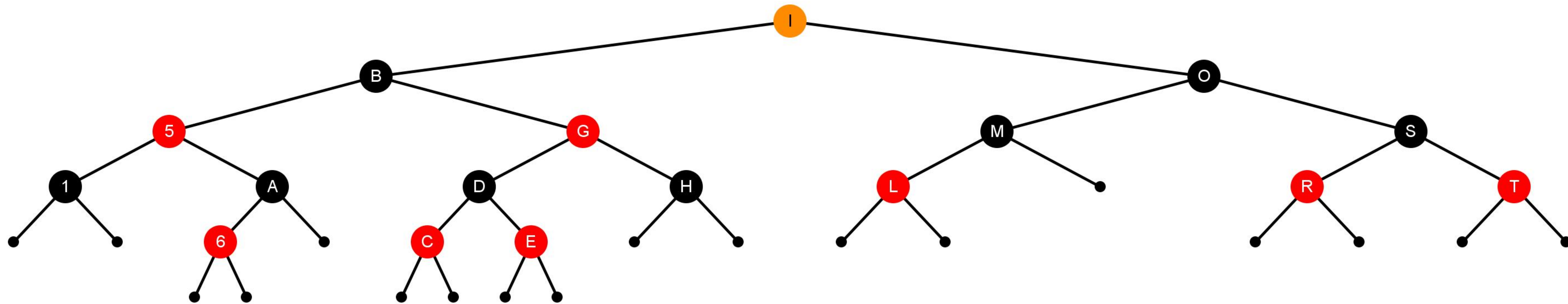
Searching for Z

Found the node



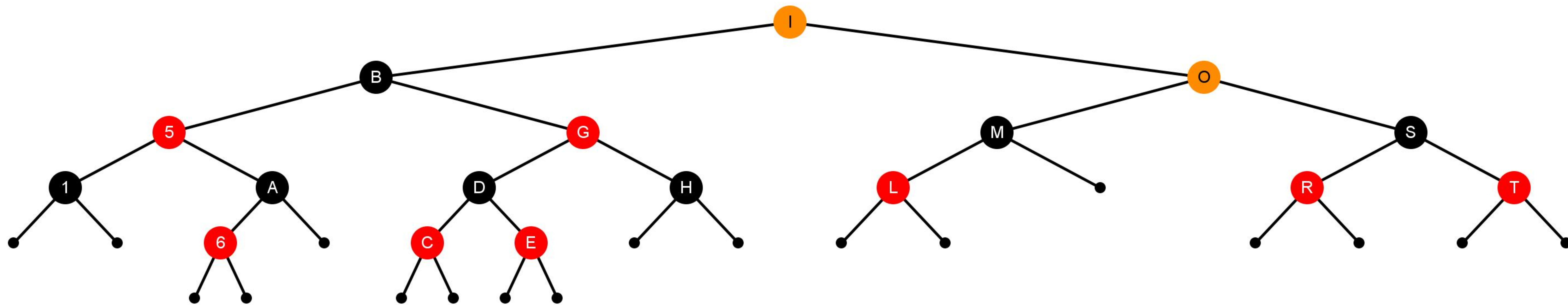
Searching for predecessor of M

Compared with I is greater



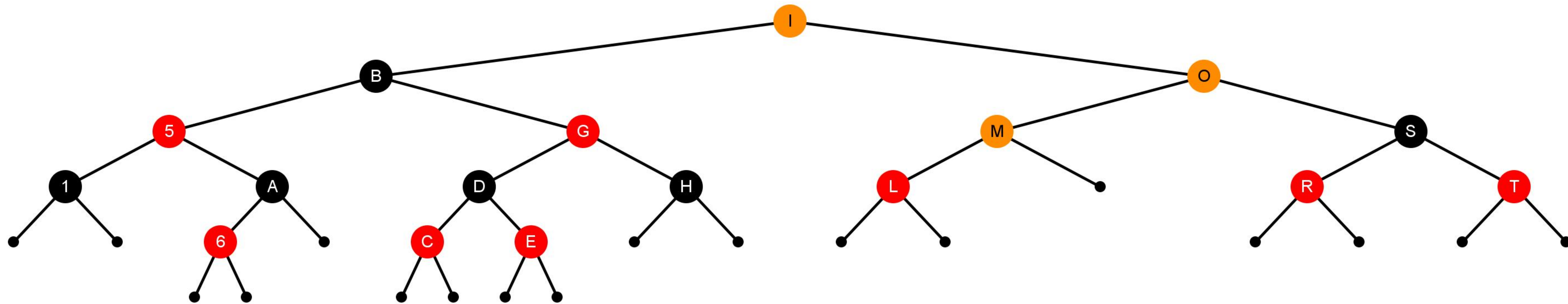
Searching for predecessor of M

Compared with O is smaller



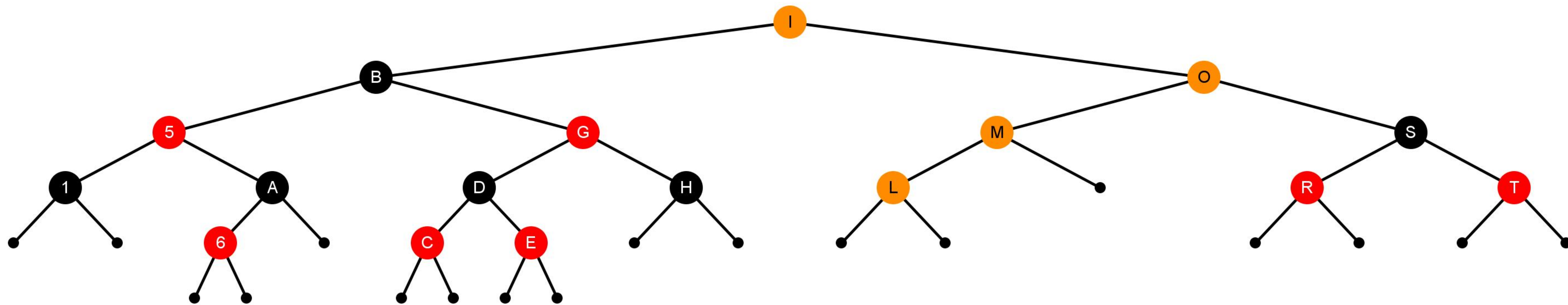
Searching for predecessor of M

Compared with M is smaller



Searching for predecessor of M

Compared with L is greater



Searching for predecessor of M

Found the node

