TREE 0

- NODE
- LEFT
- RIGHT

- LEFT
- NODE
- RIGHT

PRE: TOP E G D K I N L O W

IN: E K D N I O L W G

Ⓔ

TREE 0

- NODE
- LEFT
- RIGHT

- LEFT
- NODE
- RIGHT

PRE: E (G) D K I N L O W

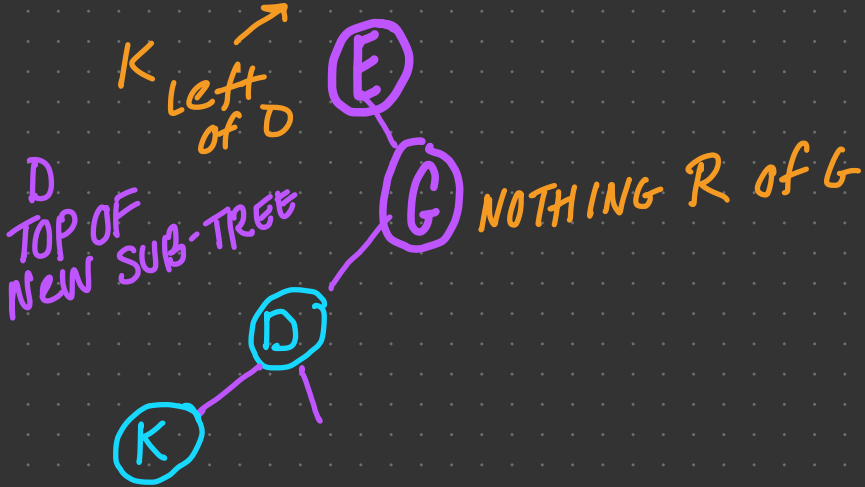left of G

IN: E K D N I O L W (G)

NOTHING
LEFT OF E

(E)

(G) NOTHING R of G

TREE O

- NODE
- LEFT
- RIGHT

- LEFT
- NODE
- RIGHT

PRE: ~~E~~ ~~G~~ ~~D~~ K I N L O W
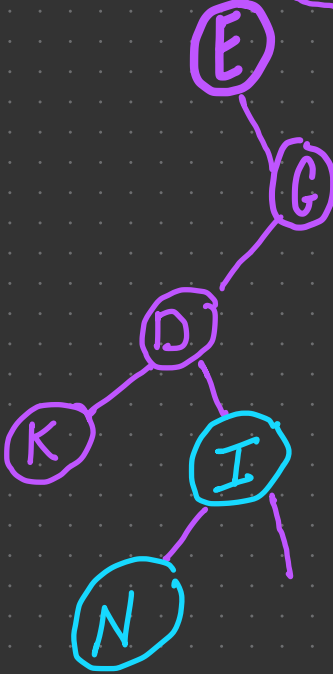
IN: ~~E~~ K D N I O L W ~~G~~

K left
   of D

E

D
TOP OF
NEW SUB-TREE

G NOTHING R of G

D

K

TREE 0

- NODE
- LEFT
- RIGHT

- LEFT
- NODE
- RIGHT

PRE: E G D K I N L O W

TOP

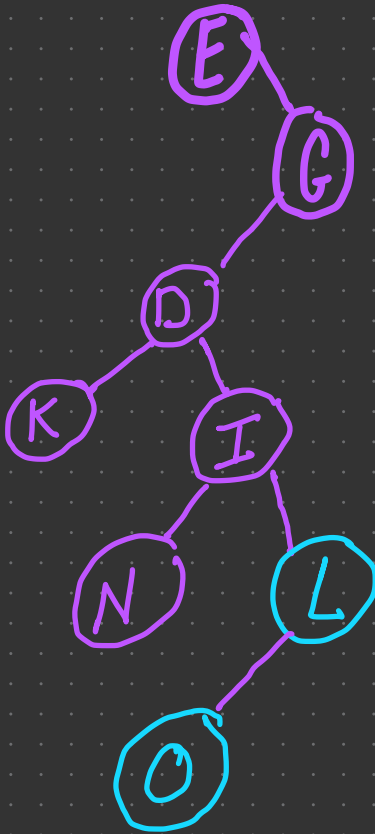IN: E K D N I O L W G

N is LEFT of I

TREE O

- NODE
- LEFT
- RIGHT

- LEFT
- NODE
- RIGHT

TOP

PRE: ~~E~~ ~~G~~ ~~D~~ ~~K~~ ~~I~~ ~~N~~ L O W

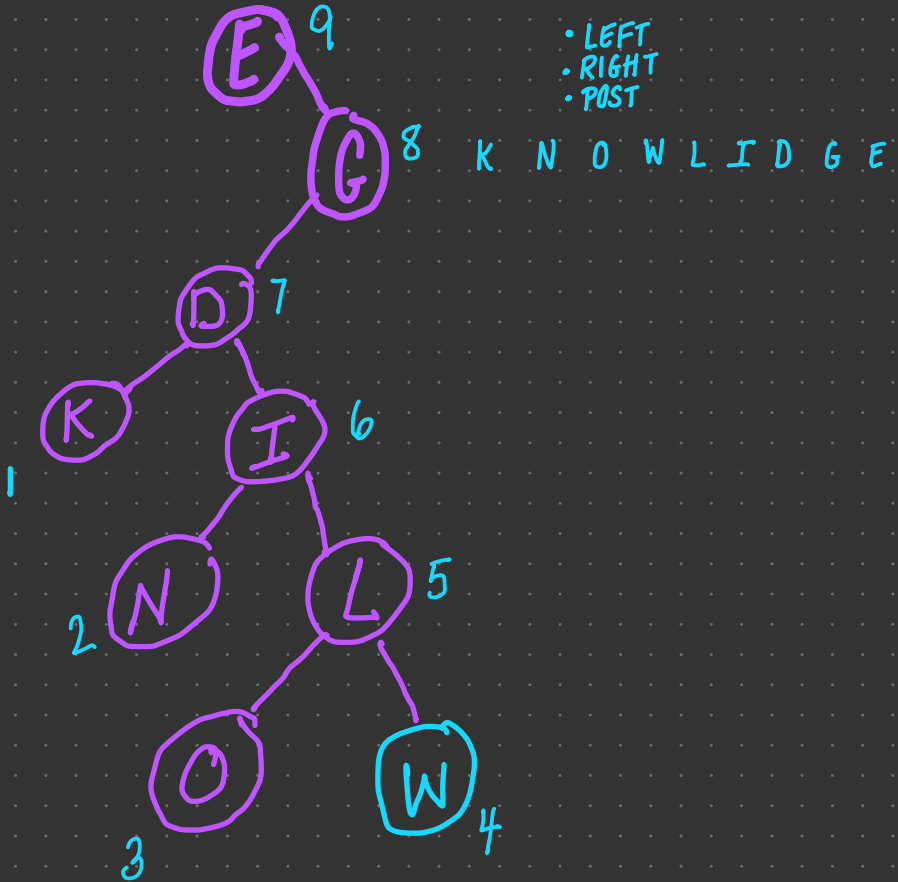IN: ~~E~~ ~~K~~ ~~D~~ ~~N~~ ~~I~~ O L W G

O is LEFT of L

TREE 0

- **NODE**
- **LEFT**
- **RIGHT**

- **LEFT**
- **NODE**
- **RIGHT**

PRE: ~~E~~ ~~G~~ ~~D~~ ~~K~~ ~~I~~ ~~N~~ ~~L~~ ~~O~~ W

IN: ~~E~~ ~~K~~ ~~D~~ ~~N~~ ~~I~~ ~~O~~ ~~L~~ W ~~G~~

- LEFT
- RIGHT
- POST

K N O W L I D G E

(E) 9
(G) 8
(D) 7
(K) (I) 6
  1
   (N) (L) 5
    2
      (O)   (W) 4
       3

TREE 1

- LEFT
- NODE
- RIGHT

IN: $\overbrace{U \quad O \quad G}^{L \text{ of } \textcircled{D}} \quad D \quad \overbrace{A \quad L \quad S}^{R \text{ of } \textcircled{D}}$

- LEFT
- RIGHT
- NODE

POST: U G O A S L D TOP

$\textcircled{D}$

TREE 1

- LEFT
- NODE
- RIGHT

IN:
| L of Ⓓ | | | | R of Ⓓ | | |

U O G Ð A L S
L N R
L R N

- LEFT
- RIGHT
- NODE

POST: U G O A S L Ð

TREE 1

- LEFT
- NODE
- RIGHT

IN: U̶ O̶ G̶ D̶ A L S

R of D

A   L   S
L   N   R

L R   N
N

- LEFT
- RIGHT
- NODE

POST: U̶ G̶ O̶ A S L D

1
(D)

2 (O)   (L) 5

3 (U)   (G) 4   (A)   (S)
                 6   7
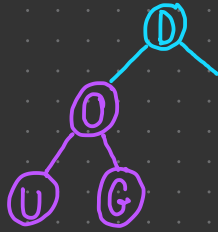
- NODE
- LEFT
- RIGHT

PRE : D O U G L A S