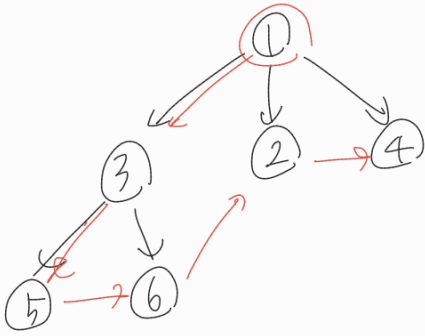


Case 1



When $\text{root} = 1$:

$\text{root.children} = [3, 2, 4]$

When $\text{root} = 3$:

$\text{root.children} = [5, 6]$

When $\text{root} = 5$:

$\text{root.children} = \emptyset$

$\text{result.append}(5) \rightarrow \text{result} = [5]$

When $\text{root} = 6$:

$\text{root.children} = \emptyset$

$\text{result.append}(6) \rightarrow \text{result} = [5, 6]$

$\text{result.append}(3) \rightarrow \text{result} = [5, 6, 3]$

When $\text{root} = 2$:

$\text{root.children} = \emptyset$

$\text{result.append}(2) \rightarrow \text{result} = [5, 6, 3, 2]$

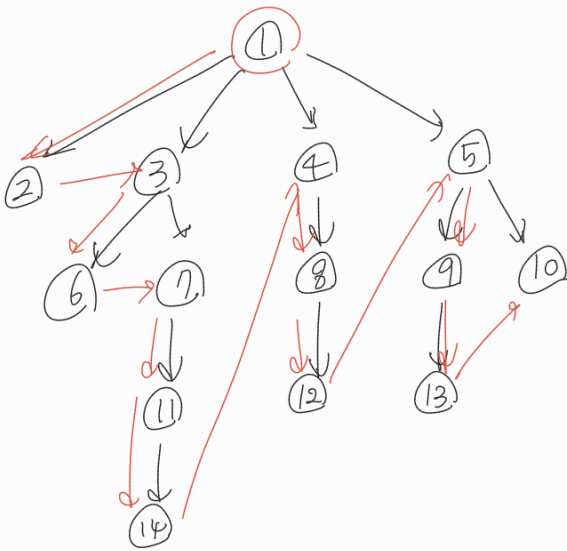
When $\text{root} = 4$:

$\text{root.children} = \emptyset$

$\text{result.append}(4) \rightarrow \text{result} = [5, 6, 3, 2, 4]$

$\text{result.append}(1) \rightarrow \underline{\underline{\text{result} = [5, 6, 3, 2, 4, 1]}}$

Case 2



When root = 1 :

root.children = [2, 3, 4, 5]

When root = 2 :

root.children = \emptyset

result.append(2) → result = [2]

When root = 3 :

root.children = [6, 7]

When root = 6 :

root.children = \emptyset

result.append(6) → result = [2, 6]

When root = 7 :

root.children = [11]

When root = 11 :

root.children = [14]

When root = 14 :

root.children = \emptyset

result.append(14)

→ result = [2, 6, 14]

result.append(11)

→ result = [2, 6, 14, 11]

result.append(7)

→ result = [2, 6, 14, 11, 7]

result.append(3)

→ result = [2, 6, 14, 11, 7, 3]

When root = 4 :

root.children = [8]

When root = 8 :

root.children = [12]

When root = 12 :

root.children = \emptyset

result.append(12)

→ result = [2, 6, 14, 11, 7, 3, 12]

result.append(8)

→ result = [2, 6, 14, 11, 7, 3, 12, 8]

result.append(4)

→ result = [2, 6, 14, 11, 7, 3, 12, 8, 4]

When $root = 5$:

$root.children = [9, 10]$

When $root = 9$:

$root.children = [13]$

When $root = 13$:

$root.children = \emptyset$

$result.append(13)$

$\rightarrow result = [2, 6, 14, 11, 7, 3, 12, 8, 4, 13]$

$result.append(9)$

$\rightarrow result = [2, 6, 14, 11, 7, 3, 12, 8, 4, 13, 9]$

When $root = 10$:

$root.children = \emptyset$

$result.append(10)$

$\rightarrow result = [2, 6, 14, 11, 7, 3, 12, 8, 4, 13, 9, 10]$

$result.append(5)$

$\rightarrow result = [2, 6, 14, 11, 7, 3, 12, 8, 4, 13, 9, 10, 5]$

$result.append(1)$

$\rightarrow result = [2, 6, 14, 11, 7, 3, 12, 8, 4, 13, 9, 10, 5, 1]$