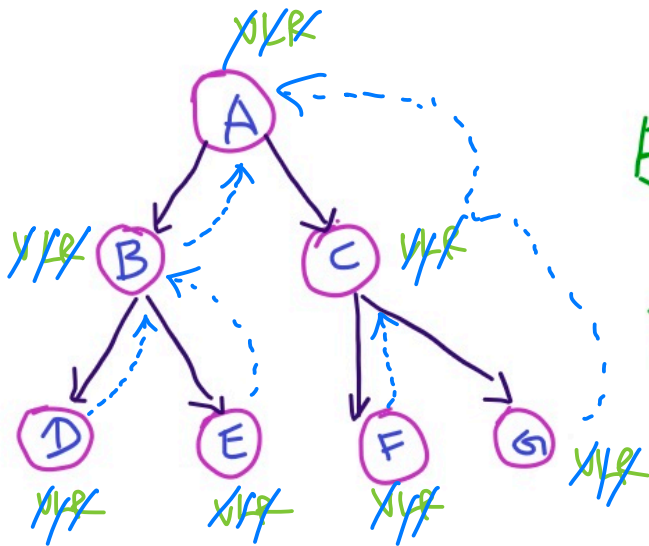


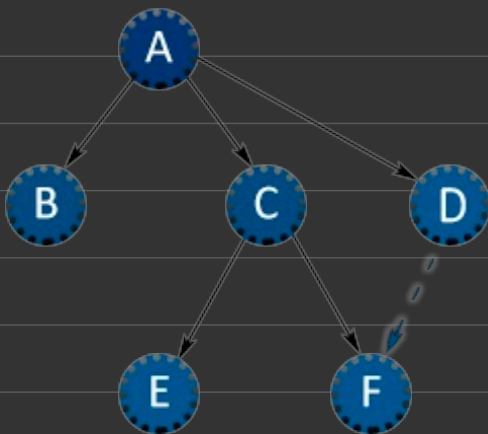
21 May 2023



BFS - ABCDEFG

DFS - ABDECFG

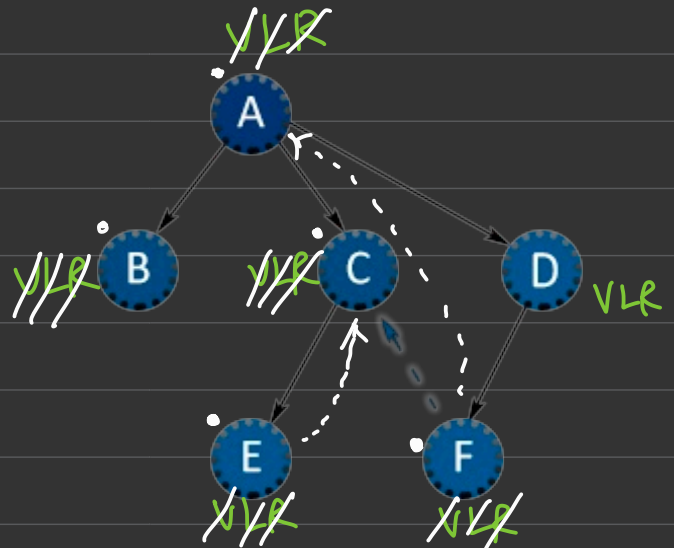
BFS



ABCDEF

ABCEF

DFS



ADFCEB

1

3 0

Live Share

NS 21 May 2023

Run | Debug

Ln 88, Col 18 Spaces: 4 UTF-8 LF {} Java

J Main.java 3

J Main.java > Main

```
72 // {
73 //     int arr[] = {5, 2, 9, 1, 5, 6};
74 //     System.out.println("Before sorting:");
75 //     printArray(arr);
76 //     mergeSort(arr, 0, arr.length-1);
77 //     System.out.println("After sorting:");
78 //     printArray(arr);
79 // }
80 // }
81
82 // WAP to print
83 // *****
84 // *****
85 // *****
86 // *****
87 // *****
88 public class Main
89 {
90     public static void main(String[] args)
91     {
92         int arr[] = {5, 2, 9, 1, 5, 6};
93         System.out.println("Before sorting:");
94         printArray(arr);
95         mergeSort(arr, 0, arr.length-1);
96         System.out.println("After sorting:");
97         printArray(arr);
98     }
99 }
```

n=5

$j \leq i-1$

$j \leq (n-i+1)$

i	spaces	#stars
1	0	5
2	1	4
3	2	3
4	3	2
5	4	1

