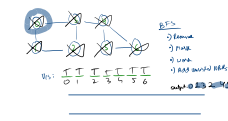


```
for(int nbr: graph.get(node)){
    if(!visited[5] == false){
        //if nbr is unvisited
        dfs(graph, visited, 5);
    }
}
```

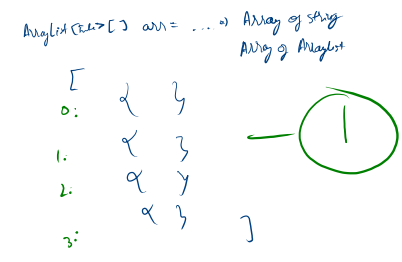
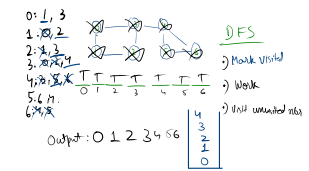
3, 5, 6



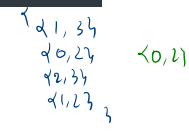
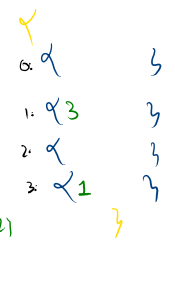
```
int[] arr = new int[n]
String[] arr = new String[n]

ArrayList<Integer> arr = new ...
ArrayList<String> arr = new ...
ArrayList<ArrayList<Integer>> a..
ArrayList<Integer>[] arr = new ...
```

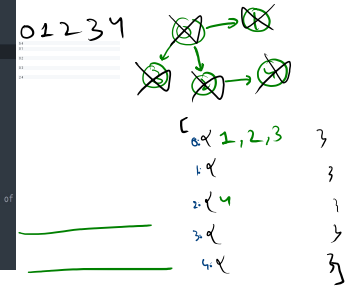
ArrayList<Integer> arr = ...



```
public static void dfsTraverse(List<List<Integer>> edges, int n)
//Write your code here
ArrayList<ArrayList<Integer>> graph = new ArrayList<>();
//I have to add n empty ArrayLists inside graph
for(int i = 0; i < n; i++){
    graph.add(new ArrayList<Integer>());
}
//its time to add edges
for(List<Integer> edge: edges){
    int u = edge.get(0);
    int v = edge.get(1);
    graph.get(u).add(v);
    graph.get(v).add(u);
}
```



```
// your code here
boolean[] visited = new boolean[vertices];
Queue<Integer> q = new LinkedList<>();
q.add(0);
//dfs starts
while(q.size() > 0){
    //Remove
    int curr = q.remove();
    //mark
    if(visited[curr] == true) continue;
    visited[curr] = true;
    //work
    System.out.print(curr + " ");
    //Add unvisited nbrs
    for(int nbr: graph[curr]){
        if(!visited[nbr]) q.add(nbr);
    }
}
```



[null null null]

