Graphs:

* Breadth-First Search (Traversal):
  + Static void BFS(Graph G, int start) {
    - Queue q = new Queue<Integer>();
    - q.enqueue(start);
    - G.setMark(start , visited);
    - While (! q.isEmpty()) {
      * Int v = q.dequeue();
      * S.O.P(v);
      * For (Edge 1 = G.first(v); g.isEdge(w); w = G.next) {
        + If (G.getMark((G.v2(w))) == “Unvisited”)

Q.enque(G.v2(w));

G.setMark(g.v2(w), “Visited”);

* + - * } // End while loop
    - Time complexity of O(|V| + |E|)
      * The for loop runs |E| times, over the entire execution of the method.