package Search1;  
import java.util.ArrayDeque;  
import java.util.Deque;  
import java.util.Iterator;  
public class Search {  
 ListGraph graph;  
 boolean[] visited;  
  
 public GraphTraversal(Listgraph listGraph) {  
 this.graph = ListGraph;  
 visited = new boolean[ListGraph.graphs.size()];  
 }  
 public void DFS(){  
 for (int i = 0; i < graph.graphs.size();i++){  
 if (!visited[i]){  
 DFSTraversal(i);  
 }  
 }  
 }  
 public void DFSTraversal(int v){  
 if (visited[v]) return;  
 visited[v] = true;  
 System.*out*.print(v + "->");  
 Iterator<Integer> neighbors = graph.graphs.get(v).listIterator();  
 while (neighbors.hasNext()){  
 int nextNode = neighbors.next();  
 if (！visited[nextNode]){  
 DFSTraversal(nextNode);  
 }  
 }  
 }  
}