

DFS Algorithm Pseudocode

```
procedure DFS(G,v):  
  for  $v \in V$ :  
     $explored[v] \leftarrow false$   
  end for  
  for all  $v \in V$  do  
    if not  $explored[v]$ :  
      DFS-visit(v)  
    end if  
  end for  
end procedure
```

```
procedure DFS-visit(v):  
   $explored[v] \leftarrow true$   
  for  $u \in adj(v)$ :  
    if not  $explored[u]$ :  
      DFS-visit(u)  
    end if  
  end for  
end procedure
```