Global Initialization: mark all vertices undiscovered

```
DFS(v)
    Mark v discovered

    for each edge {v,x}
        if (x is undiscovered)
            Mark x discovered
            DFS(x)

    Mark v full-discovered
```

1、实现深度优先算法（Depth-first search algorithm）。
2、提交报告一份。需包含以下内容：核心源代码、构造的数据、运行结果。
3、编程语言不限。

```
L ← Empty list that will contain the sorted elements
S ← Set of all nodes with no incoming edge

while S is not empty do
    remove a node n from S
    add n to L
    for each node m with an edge e from n to m do
        remove edge e from the graph
        if m has no other incoming edges then
            insert m into S

if graph has edges then
    return error   (graph has at least one cycle)
else
    return L   (a topologically sorted order)
```

1、实现拓扑排序算法。
2、提交报告一份。需包含以下内容：核心源代码、构造的数据、运行结果。
3、编程语言不限。