```
procedure DFS(G, v)
    S ← empty stack
    Push v to S
    Mark v as visited
    while S ≠ ∅ do
        u ← pop top from S
        for all c ∈ u.children do
            if c is not visited then
                Mark c as visited
                Push c to S
```

```
procedure DFS_Recursive(G, v)
    Mark v as visited
    for all c ∈ v.children do
        if c is not visited then
            Recursively call DFS_Recursive(G, c)
```

```
procedure BFS(G, v)
    Q ← empty queue
    Enqueue v to Q
    Mark v as visited
    while Q ≠ ∅ do
        u ← dequeue from Q
        for all c ∈ u.children do
            if c is not visited then
                Mark c as visited
                Enqueue c to Q
```