
```
function TARJAN(Node* node)
    node.visited  $\leftarrow$  true
    node.index  $\leftarrow$  indexCounter
    s.push(node)
    for all successor in node.successors do
        if !node.visited then TARJAN(successor)
        end if
        node.lowlink  $\leftarrow$  MIN(node.lowlink, successor.lowlink)
    end for
```

```
    if node.lowlink == node.index then
        repeat
            successor  $\leftarrow$  stack.pop()
            until successor == node
        end if
```

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end function
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