A diagram of a network

Description automatically generated with medium confidence

Nout-dictionary:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 |
| 1,5 | 0 | 3 | 2 | - | 0 |

Execution table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | x | Nout(x) | visited | Current component | components |
|  |  |  | {} |  | [] |
| Call dfs(0) | 0 | 1,5 | {0} | [0] |  |
| Call dfs(1) | 1 | ~~0~~ | {0,1} | [0,1] |  |
| Call dfs(5) | 5 | ~~0~~ | {0,1,5} | [0,1,5] |  |
|  |  |  | {0,1,5} |  | [[0,1,5]] |
| Call dfs(2) | 2 | 3 | {0,1,5,2} | [2] |  |
| Call dfs(3) | 3 | ~~2~~ | {0,1,5,2,3} | [2,3] |  |
|  |  |  | {0,1,5,2,3} |  | [[0,1,5],[2,3]] |
| Call dfs(4) | 4 | - | {0,1,5,2,3} | [4] |  |
|  |  |  | {0,1,5,2,3} |  | [[0,1,5],[2,3][4]] |