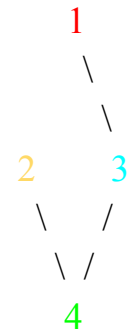
## Example Graph




## Adjacency Matrix

Connections ↓

| Nodes → | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 0 |
| 2 | 0 | 0 | 0 | 1 |
| 3 | 1 | 0 | 0 | 1 |
| 4 | 0 | 1 | 1 | 0 |

E.g. Node 1 is connected to Node 3
as shown by the first row in the matrix.
(1 = Connection , 0 = No Connection)

## Representation of Adjacency Matrix as Array (Array of Arrays):

Node 1 Node 2 Node 3 Node 4

adjacency_matrix = [ [0, 0, 1, 0], [0, 0, 0, 1], [1, 0, 0, 1], [0, 1, 1, 0] ]

Connections:

N1 → N3

N2 → N4, N3 → N1

N3 → N4

N4 → N2, N4 → N3