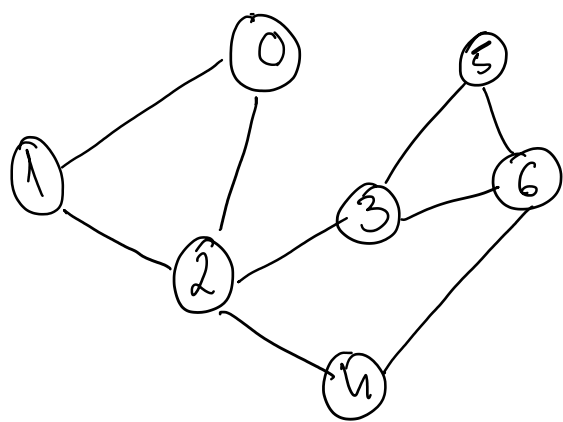


Lab 2 Find the connected components of an undirected graph.

Wednesday, 24 March 2021 20:40



Neighbour dictionary.

Keys	value
0	[1, 2]
1	[0, 2]
2	[0, 1, 3, 4]
3	[2, 5, 6]
4	[2, 6]
5	[3, 6]
6	[3, 4, 5]

The given graph has 3 connected components:

- 1 [0, 1, 2]
- 2 [3, 4, 5, 6]
- 3 [2]

	x	y	queue	acc	visited
					{}
call accessible(0)	0	1	← 0	[0]	[0]
	1	2	← 1	[0, 1]	[0, 1, 2]
	2	3	← 2	[0, 1, 2]	[0, 1, 2, 3]
	3	4	← 3	[0, 1, 2, 3]	[0, 1, 2, 3, 4]
	4	5	← 4	[0, 1, 2, 3, 4]	[0, 1, 2, 3, 4, 5]
	5	6	← 5	[0, 1, 2, 3, 4, 5]	[0, 1, 2, 3, 4, 5, 6]
	6		← 6		