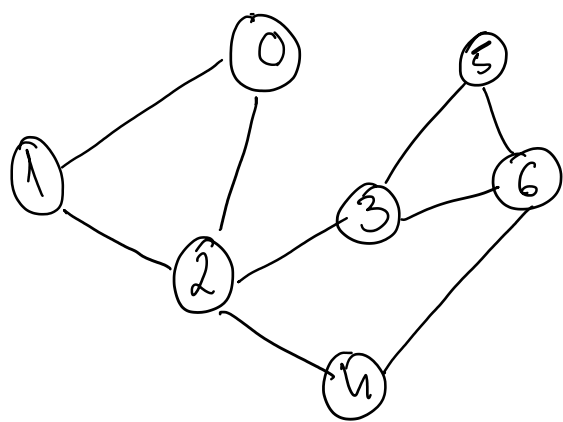


Lab 2 Find the connected components of an undirected graph.

Wednesday, 24 March 2021 20:40



Neighbour dictionary.

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

The given graph has 1 connected components:
① [0, 1, 2, 3, 4, 5, 6]

	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	①	