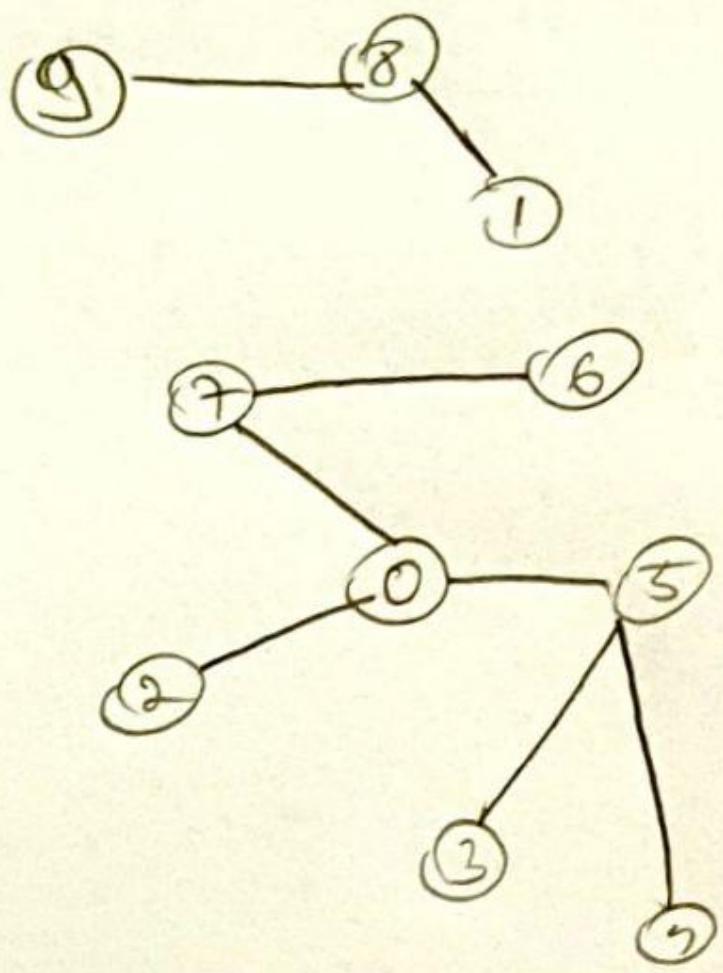


Lab 3 Find the vertex cover for a graph (second graph)



Dict bounds: 0: [2, 5, 7]

- 1: [8]
- 2: [0]
- 3: [5]
- 4: [5]
- 5: [3, 4, 5]
- 6: [7]
- 7: [0, 6]
- 8: [1, 9]
- 9: [8]

nr. vertices = 9
nr. edges = 8

degrees	visited	result	ok	node1	node2	
[(3,0), (1,1), (1,2), (1,3), (1,4), (3,5), (1,6), (2,7), (2,8), (1,9)]	[(9,8), (1,0), (3,6), (0,7), (0,2), (0,5), (5,3), (5,7), (5,4), (5,9)]	2 3	0			initialization
[(1,1), (1,2), (1,3), (1,4), (2,5), (1,6), (2,7), (2,8), (1,9)]	—— ——	2 0 3	0	0		iteration 1
—— ——	[F, F, F, ^(6,0) T, F, F, F]	2 0 3	1	0	2	
—— ——	[F, F, F, F, ^(0,4) T, ^(9,5) T, F, F]	2 0 3	2	0	5	
—— ——	[F, F, F, ^(0,4) T, ^(0,2) T, ^(9,5) T, F, F]	2 0 3	3	0	7	
[(1,1), (1,2), (1,3), (1,4), (1,6), (2,7), (2,8), (1,9)]	—— ——	2 0, 5 3	3	5		iteration 2
—— ——	[F, F, F, T, T, T, ^(5,3) T, F]	2 0, 5 3	4	5	3	
—— ——	[F, F, F, T, T, T, ^(5,3) T, ^(5,9) T]	2 0, 5 3	5	5	4	
[(4,1), (4,2), (4,3), (4,4), (1,6), (2,8), (1,9)]	—— ——	2 0, 5, 7 3	5	7		iteration 3
—— ——	[F, F, ^(3,6) T, T, T, T, T, T]	2 0, 5, 7 3	6	7	6	
[(4,1), (4,2), (4,3), (4,4), (1,6), (1,9)]	—— ——	2 0, 5, 7, 8 3	6	8		iteration 4
—— ——	[F, ^(4,0) T, T, T, T, T, T, T]	2 0, 5, 7, 8 3	7	8	1	
—— ——	[^(8,9) T, ^(4,0) T, T, T, T, T, T, T]	2 0, 5, 7, 8 3	8	8	9	