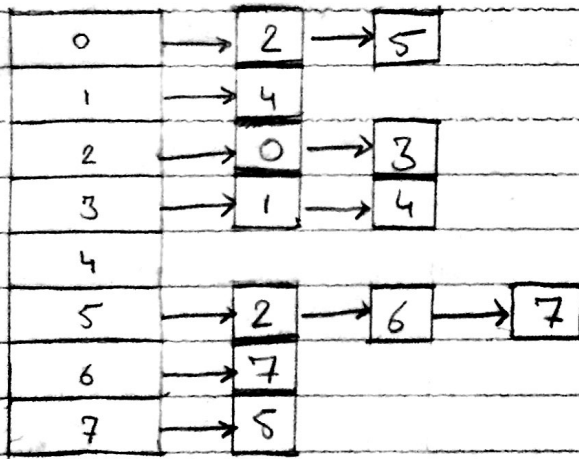


B.

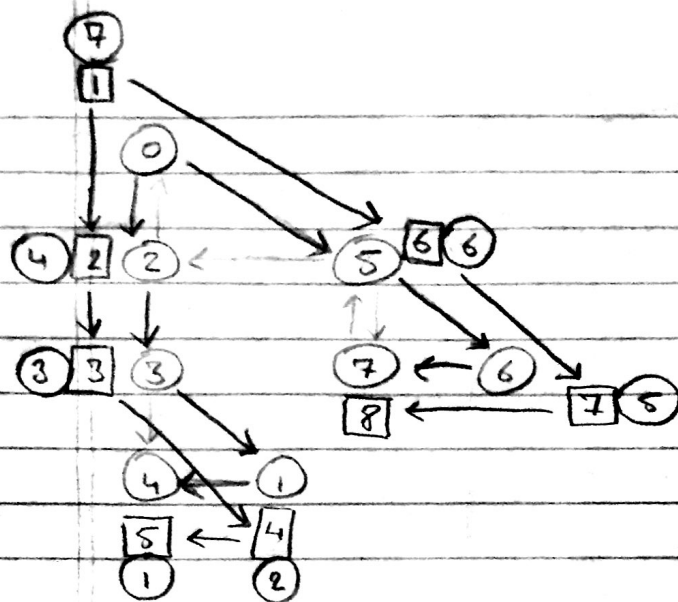
### Adjacency-matrix

	0	1	2	3	4	5	6	7
0	0	0	1	0	0	1	0	0
1	0	0	0	0	1	0	0	0
2	1	0	0	1	0	0	0	0
3	0	1	0	0	1	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	1	0	0	0	1	1
6	0	0	0	0	0	0	0	1
7	0	0	0	0	0	1	0	0

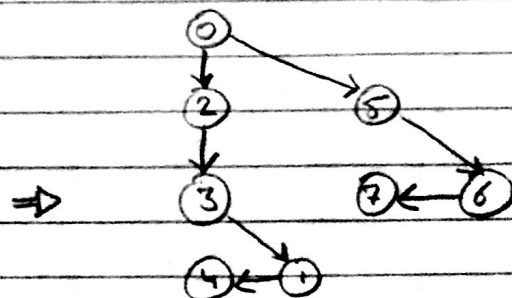
### Adjacency-list



## DFS



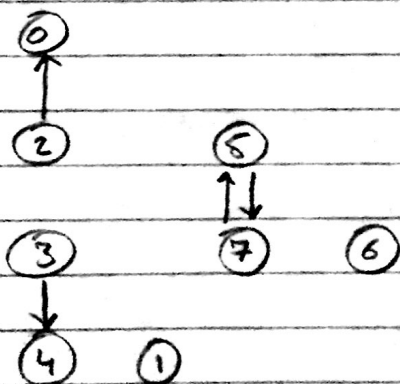
Light writing-graph  
 visit order  
 completion order



Visit order: 0, 2, 3, 1, 4, 5, 6, 7

Completion order: 4, 1, 3, 2, 7, 6, 5, 0

## Spanning tree complement

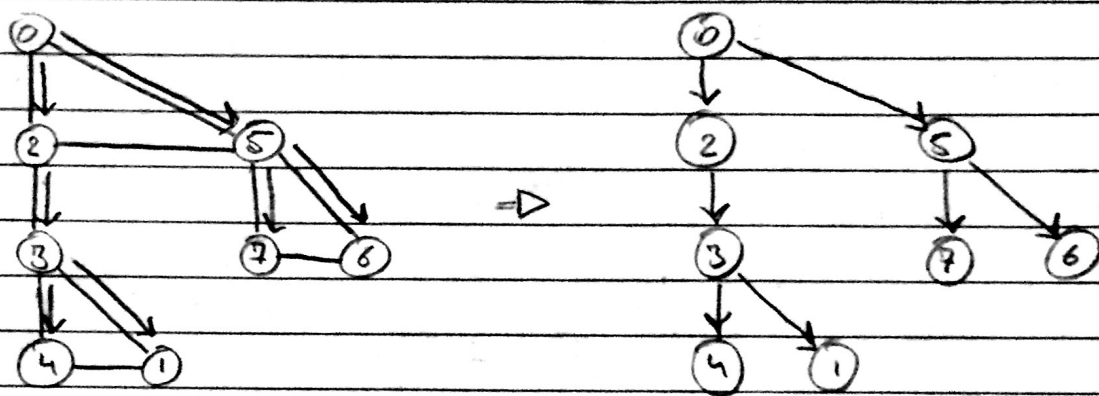


## Strong Components

$\{0, 2, 5, 6, 7\}, \{0, 2, 5\}, \{0, 2, 5, 7\}$

$\{0, 2\}, \{5, 7\}, \{5, 6, 7\}$

## ■ Breadth-first search



Visit order: 0, 2, 5, 3, 6, 7, 1, 4

Completion order: 0, 2, 5, 3, 6, 7, 1, 4