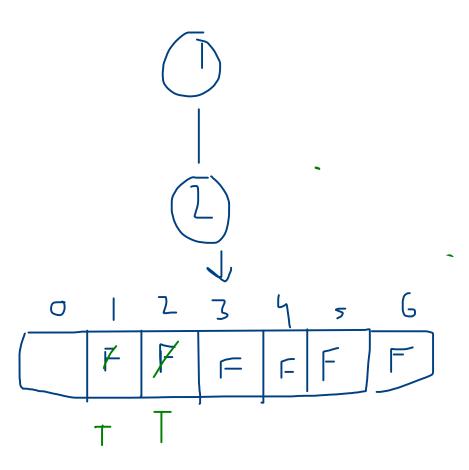
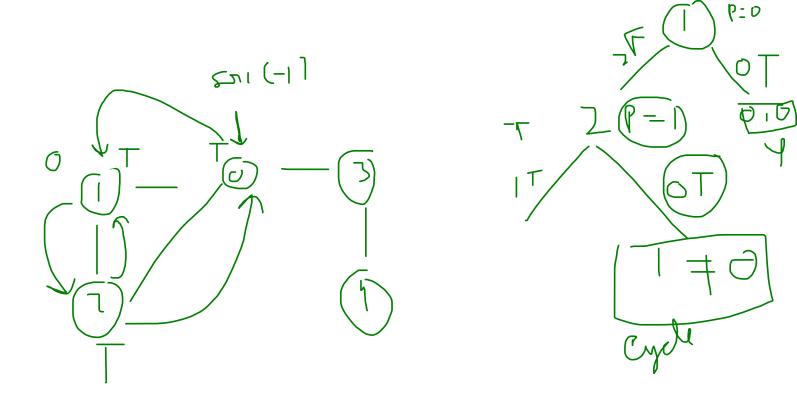
DFS --> mark visit any where

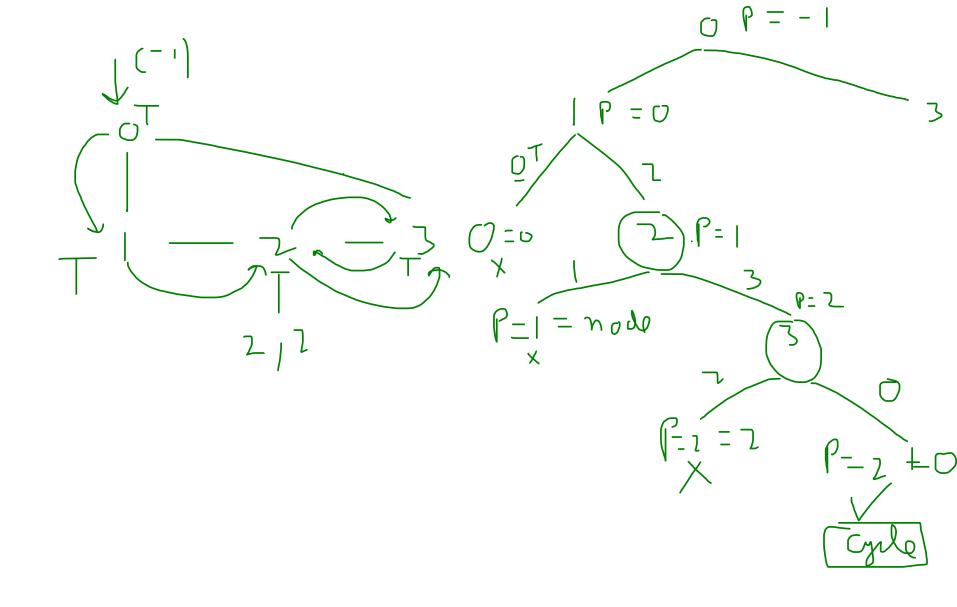
BFS -->

- a) mark visit outside for loop for NBR --> vertex can repeat in queue if graph have cycle
- b) mark visit inside for loop for NBR --> vertex will not repeat in queue

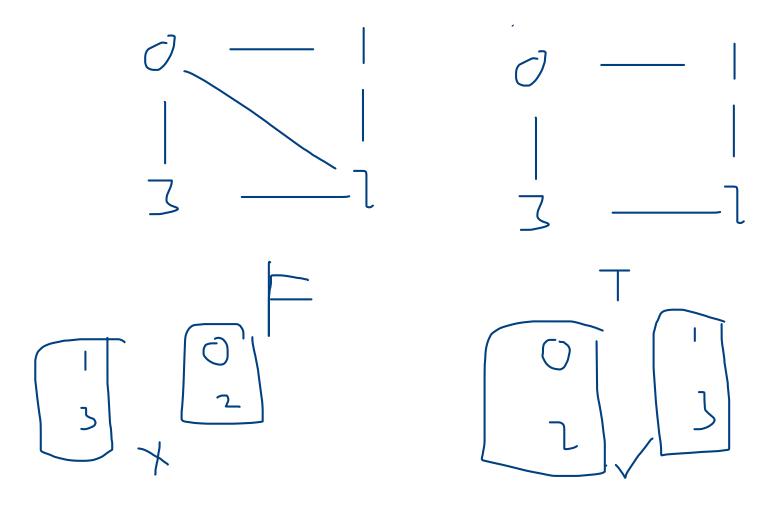
Cycle Detection in Undirected Graph Using DFS

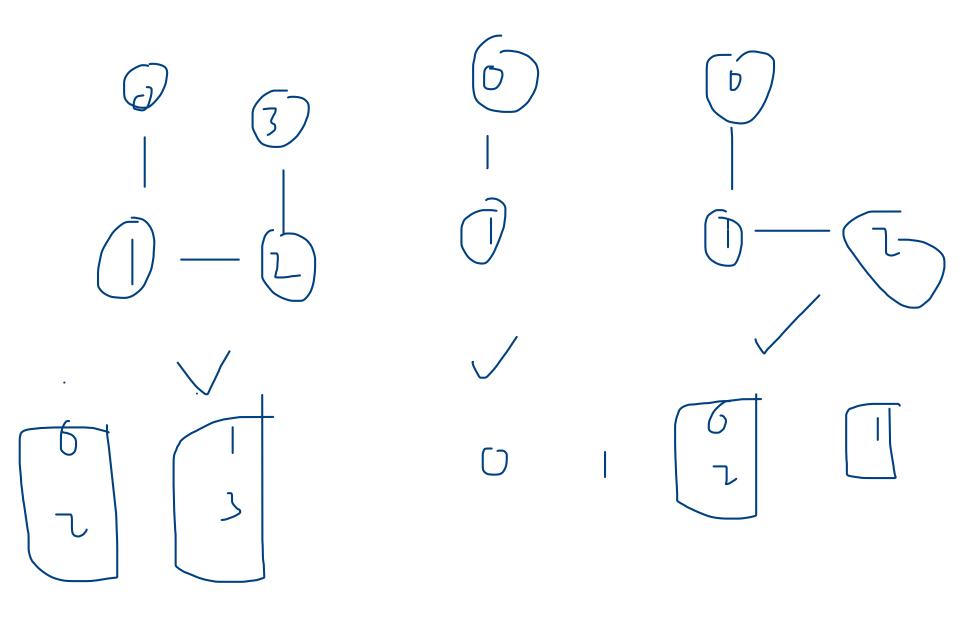


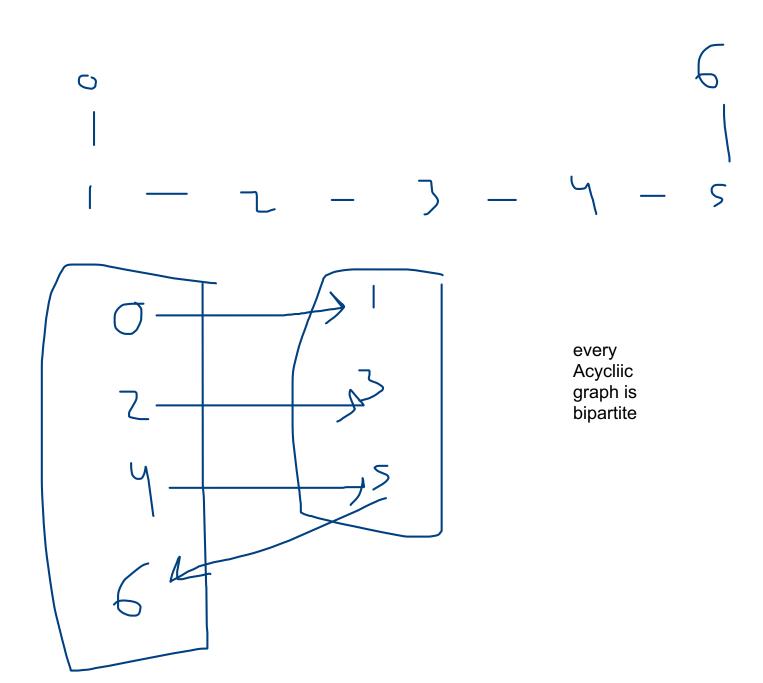


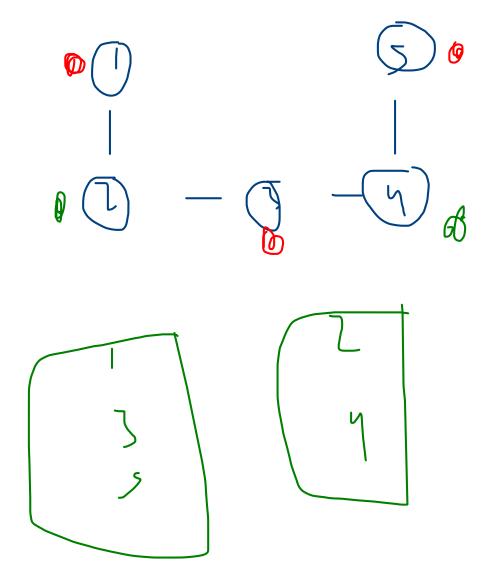


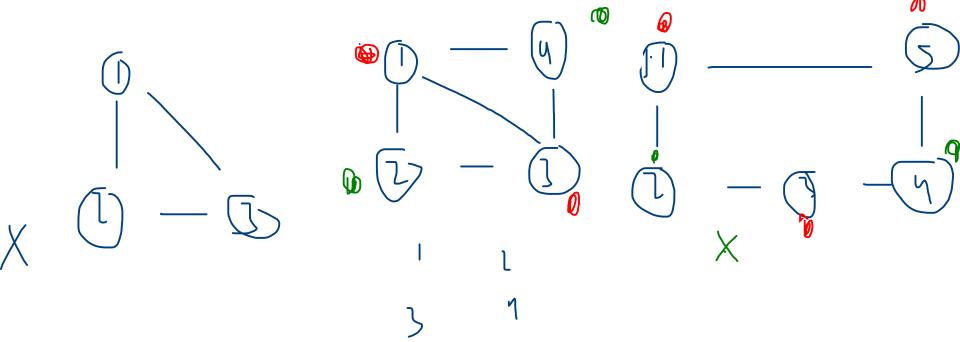
Bipartite Graph







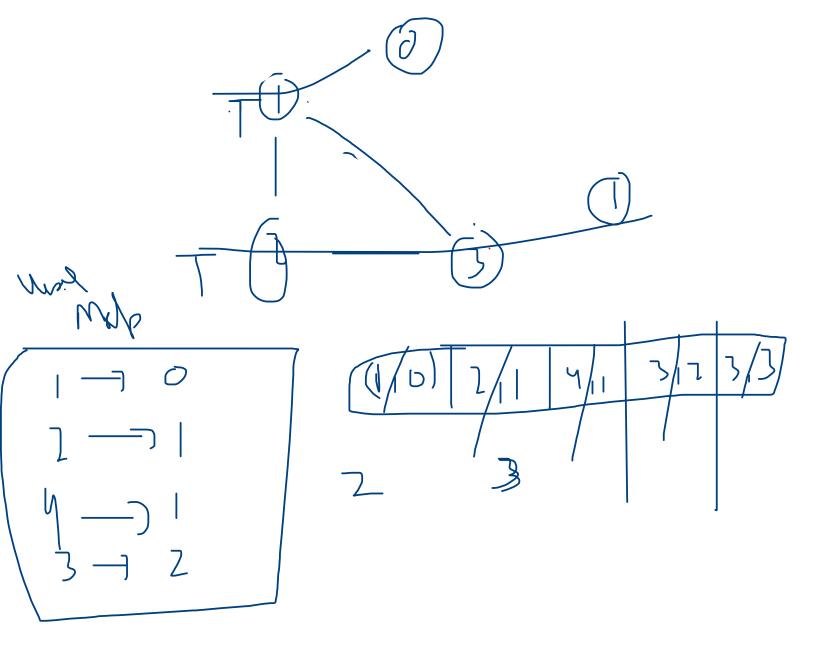


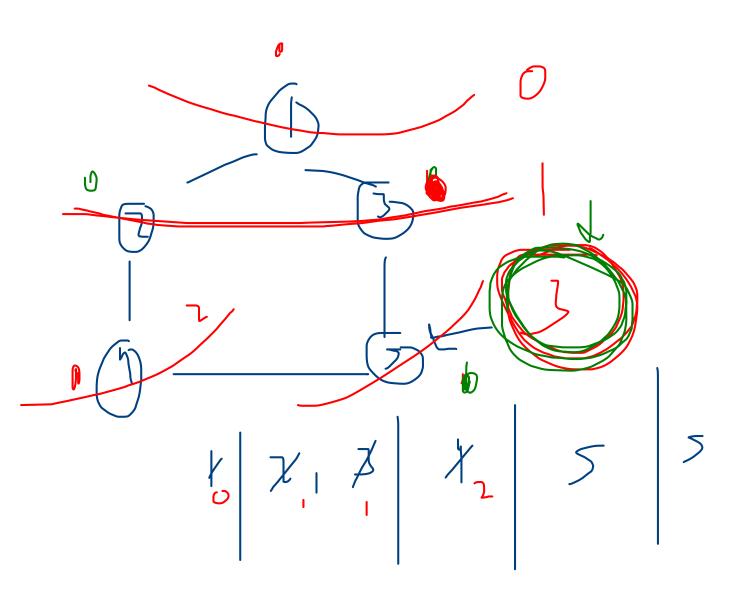


Bi Partite

- 1. Acyclic --> always true
- 2. Cycle -->

all cycle must be of even length --> true





3 0 2 -

