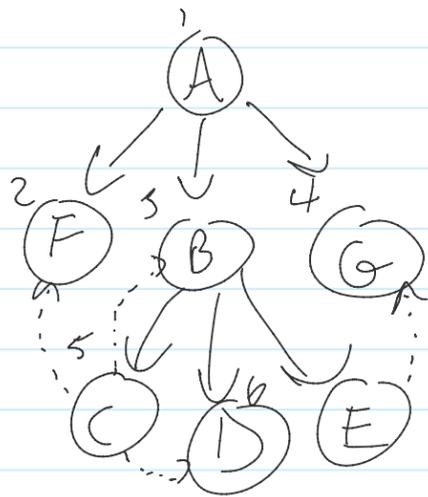
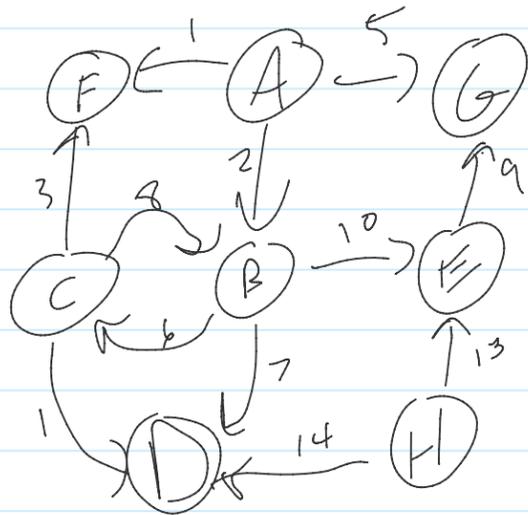


Breadth (sp) First Search wide search



No 4D
Parts

Missing Forward
Edges

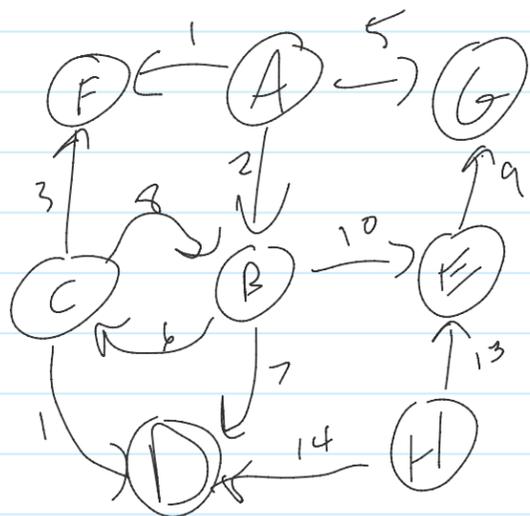
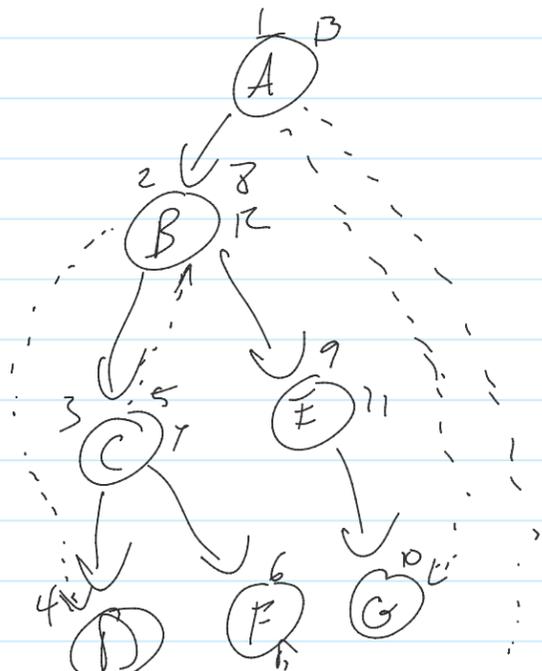
Visit nodes as wide as possible

Implementation

Queue

DFS

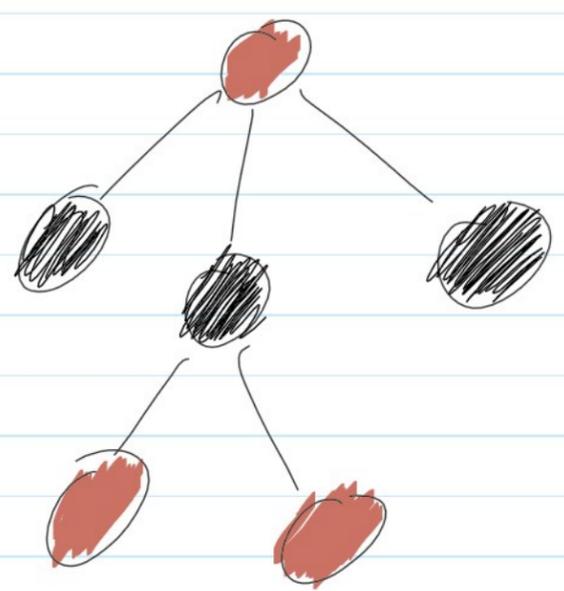
Deep search in tree as possible



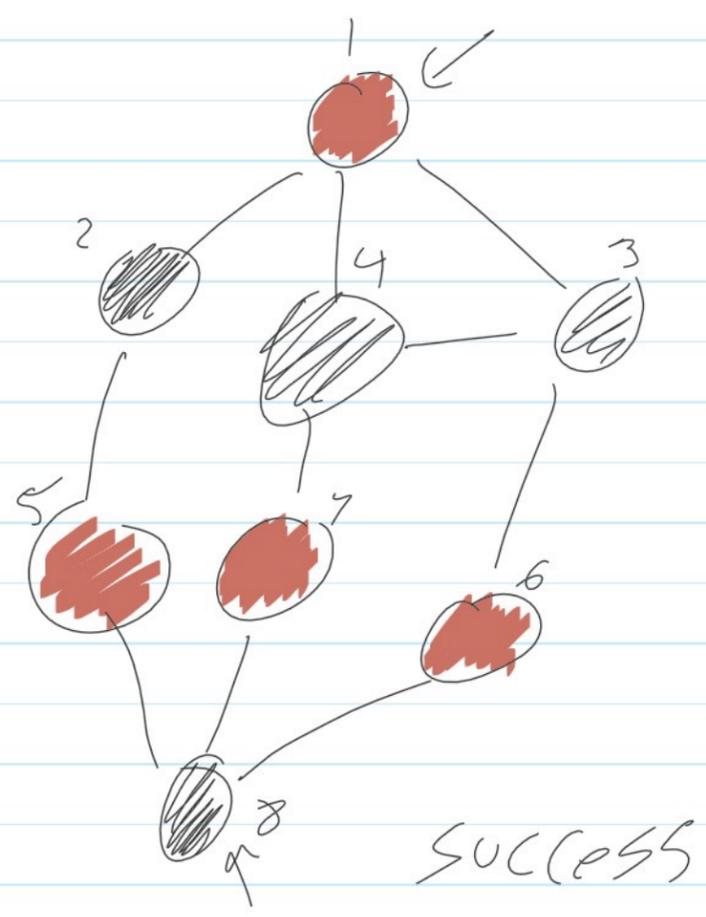


No Cross edges

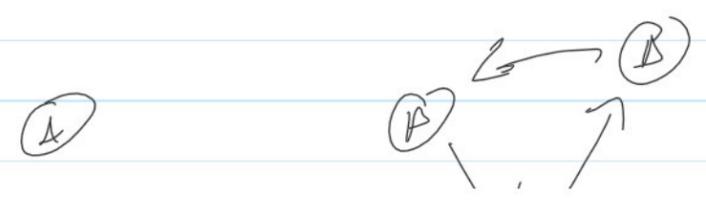
Graph 2-Coloring



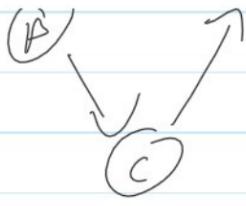
No Edge connects node with same color



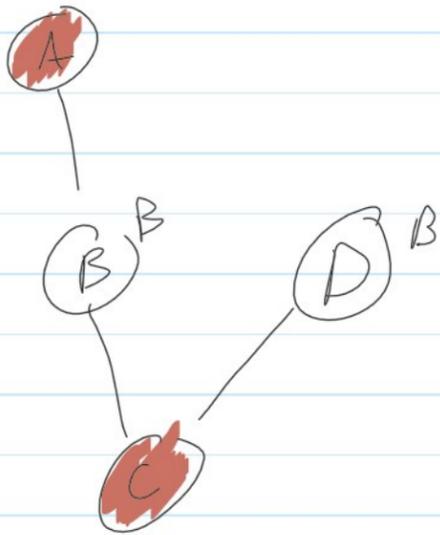
if (bfs(First Node))
we are good



(A)



for (each node i)
if (! bfs(i))
we are bad
we good!



Practice coloring

