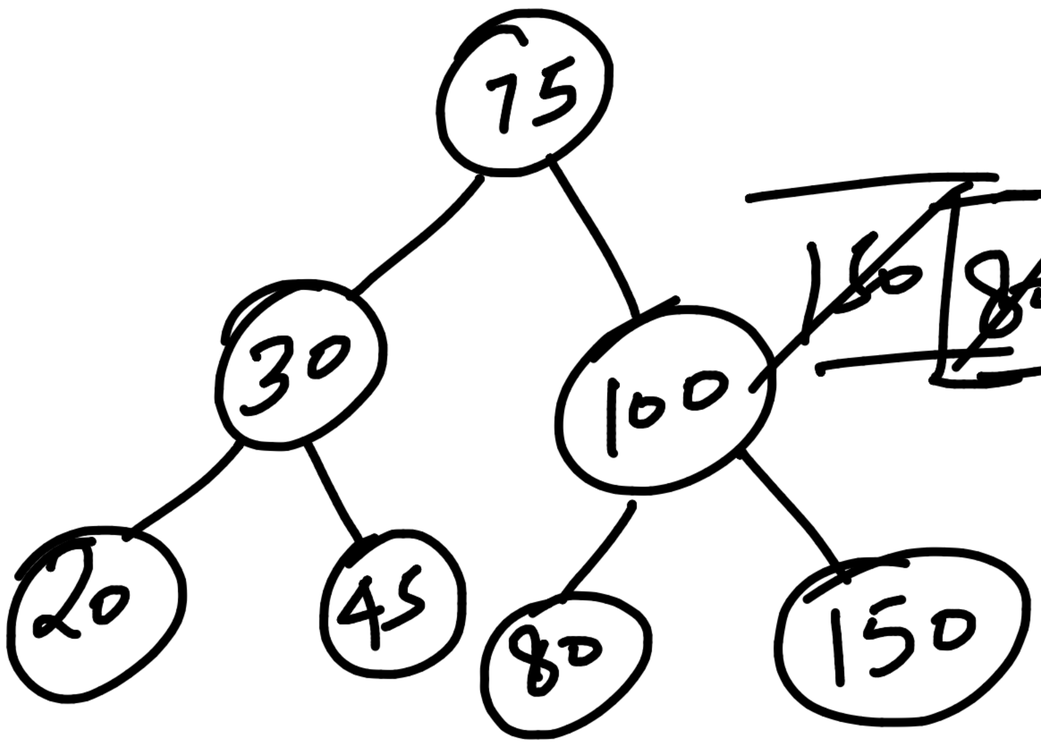
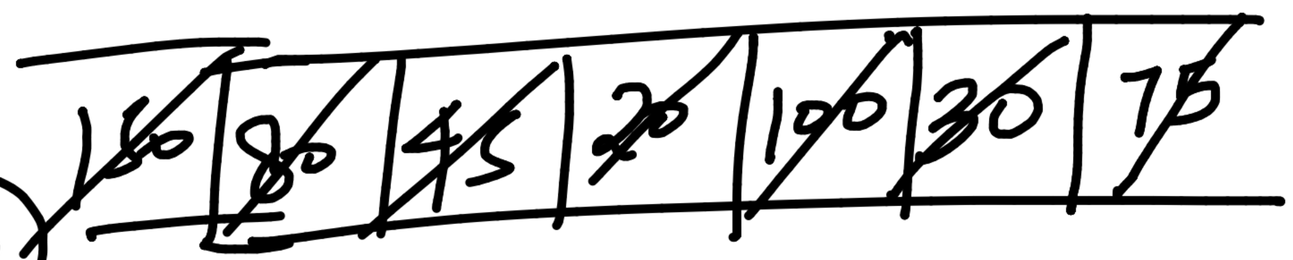
BFS (trees)

75 30 100 20 45 80 150

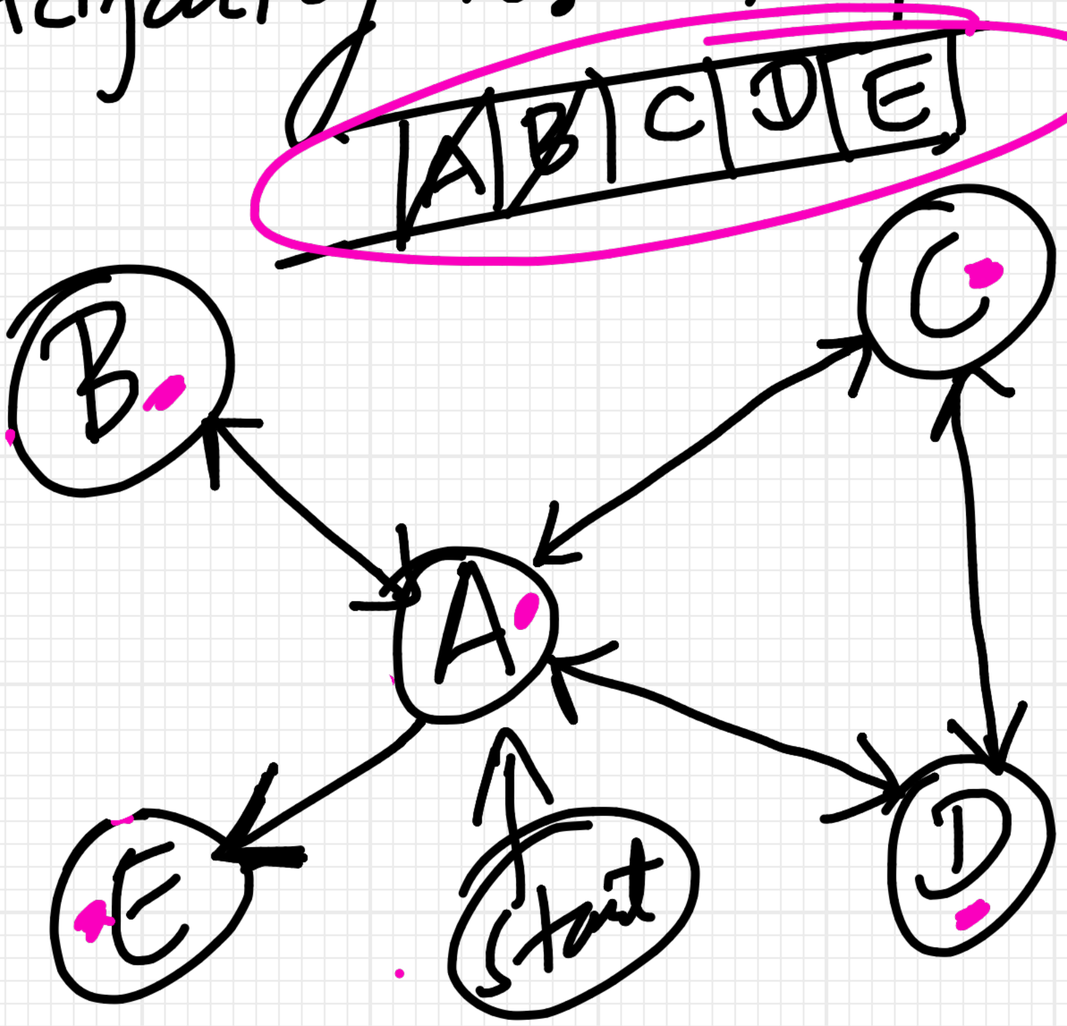




75 30 100 20 45 80 150

Adjacency List Representation

A B



A = [B, C, D, E]

B = [A]

C = [A, D]

D = [A, C]

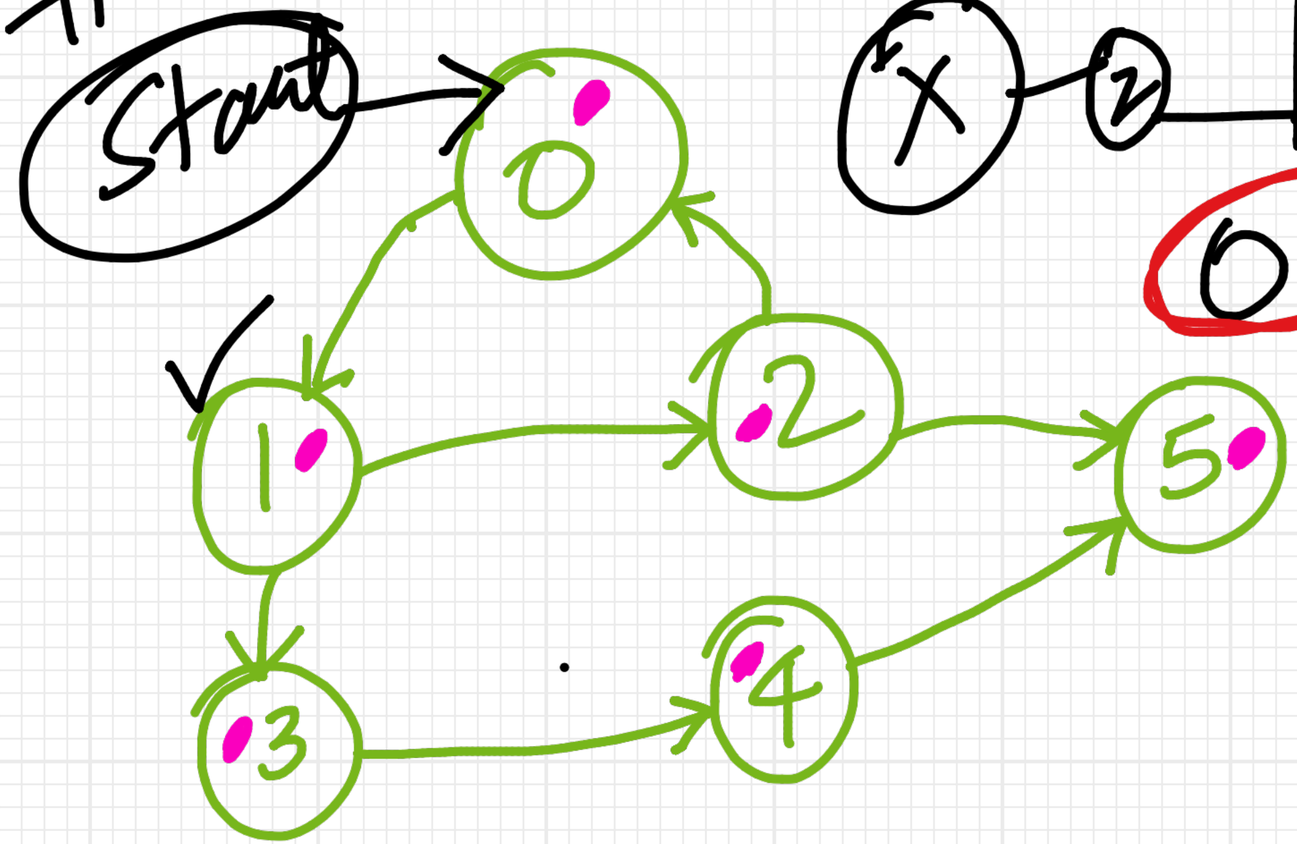
E = [ ]

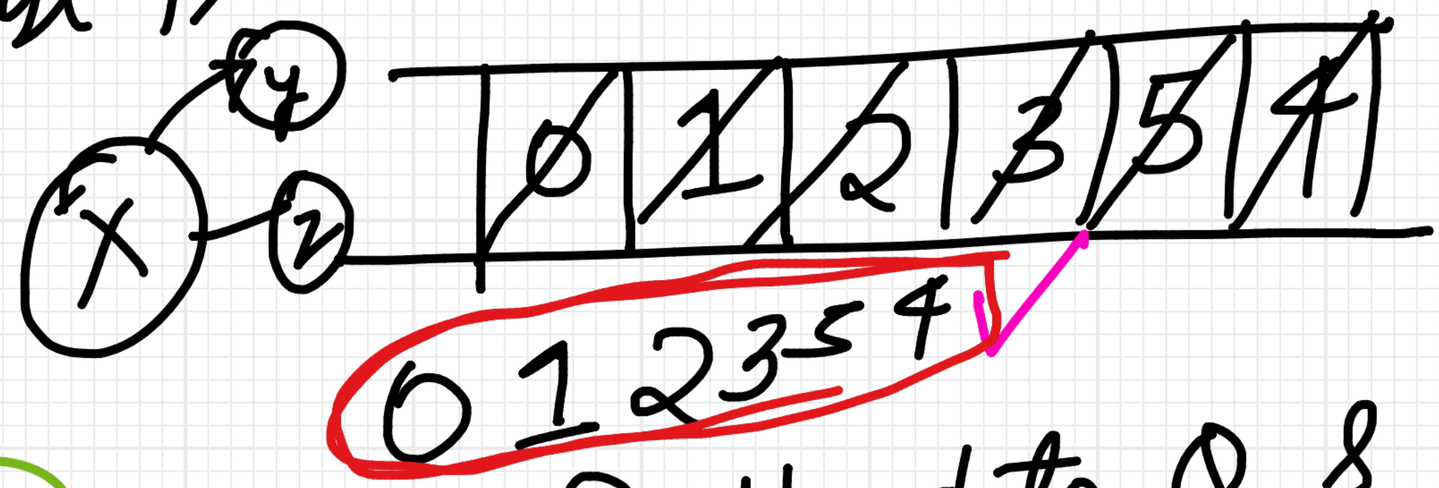
{"A": ["B", "C", "D", "E"], "B": ["A"] ----}

Traversal in Graphs

Breadth First Traversal

Pink → already visited. ✓





① append to Q & mark it as visited
② pop from front & visit it's neighbours
③ Recurse.

Merge Sort

33	-11	40	20	13	63	75	101

-11 20 33 40 13 63 75 101

-11 33 20 40 13 63 75 101

33 -1 40 20 13 63 75 101