

Graph Traversal — Breadth First
— Depth First

Graph Traversal (G, V) ^{starting index}

{

Put 'v' into container C

while (C is not empty)

{

Remove 'x' from C

if ('x' has not been visited)

{

visit 'x'

for (each vertex 'w', adj(x))

{ if ('w' has not been visited)

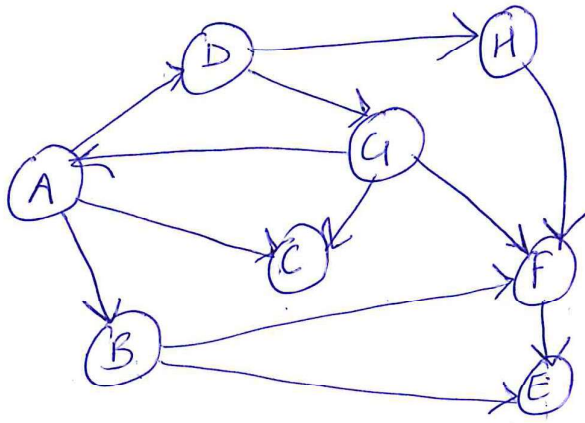
Put 'w' into C

}

}

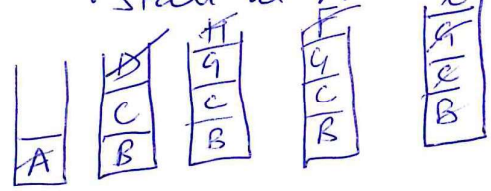
}

}



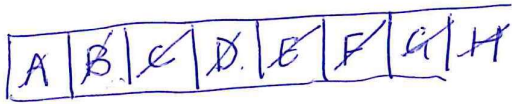
DFS - Stacks.

Start at A



BFS - Queue
FIFO

Start A / Start G.



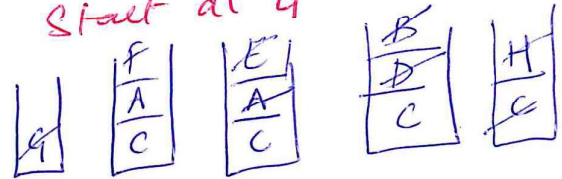
ABCDEF GH



GAFCD BEH

A D H F E G C B

Start at G



GFEABD HC