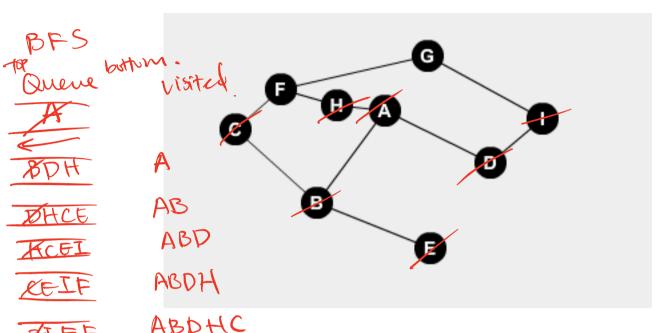
1 Graphs

1.1 Undirected Graph



Perform Breadth First Search and Depth First Search on the graph above starting from A. Break ties by visiting in **alphabetical order**. There should be only one correct answer because of the ordering. Make sure to show your Stack or Queue status for each step.

FFG ABDHCEI Stack bottom

FFG ABDHCEIF

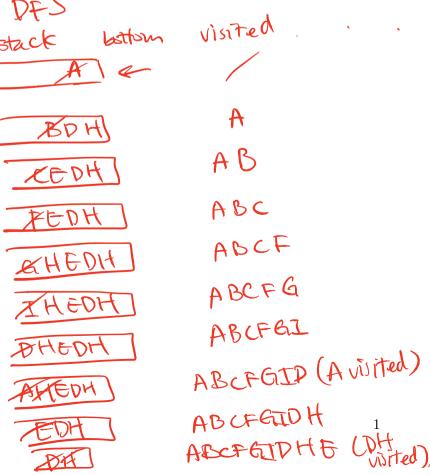
ABDHCEIF

ABDHCEIFG

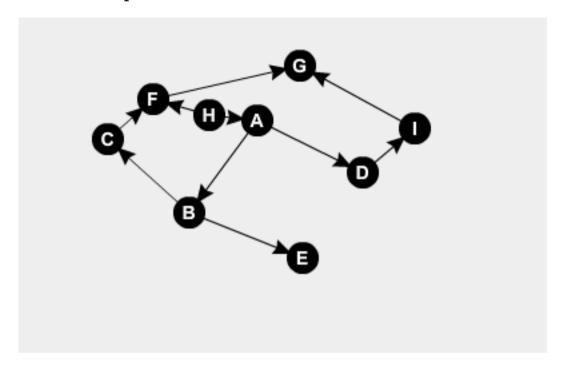
(F visited so skip)

ELDH

TEDH



1.2 Directed Graph



Perform Breadth First Search and Depth First Search on the graph above starting from A. Break ties by visiting in **alphabetical order**. There should be only one correct answer because of the ordering. Make sure to show your Stack or Queue status for each step. <u>Some vertices</u> may not be visited.

SAME IDEA ABOVE, BUT DIRECTED SO LERTAIN VERTICE
YOU CAN'T REACH.

BES

ABDCEIFG

Follow the anous.

DES

ABCFGEDI