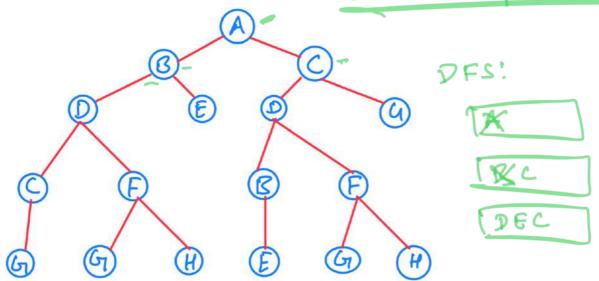
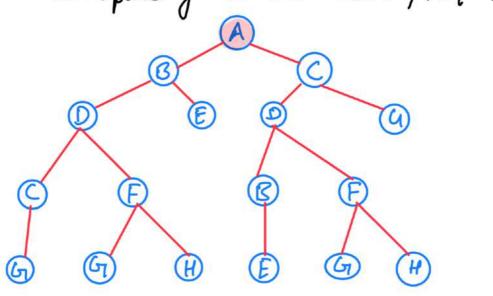
BFS: Illustration Breadin first Search



## step 1:

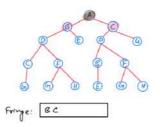
Initially: Fringe contains only one node corresponding to the Source/roof stake



Fringe: A // Fringe is based on FIFO Approach

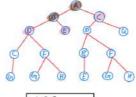
## step 2:

Remove A from fringe. Generate its child/ Expand none A. Then, expended nodes are placed back to the pringe.



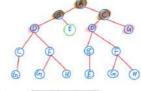
Step 8:

Now, node B is removed and expanded.



Fringe: CDE

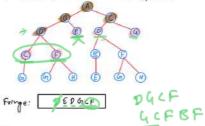
ctep 4: Now, node C is removed and expanded.



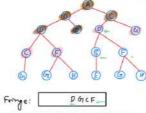
Fringe: DEDG

Step 5:

Now, node 0 is removed and expanded.

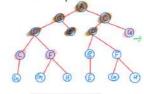


step 6: Now, node E is removed and expanded.

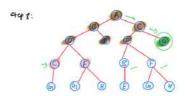


Here, nother E has no divideren.

Step 7: Male pie expanded.



Fringe: 4CFBF



Fringe: QCFBF

Hore, well is selected for expansion.

It is found to be a goal note.

So, the algorithm returns the parts A by by following the parent pointer of the brack Corresponding to goal note to.

Finally, Myorithm ferminates.