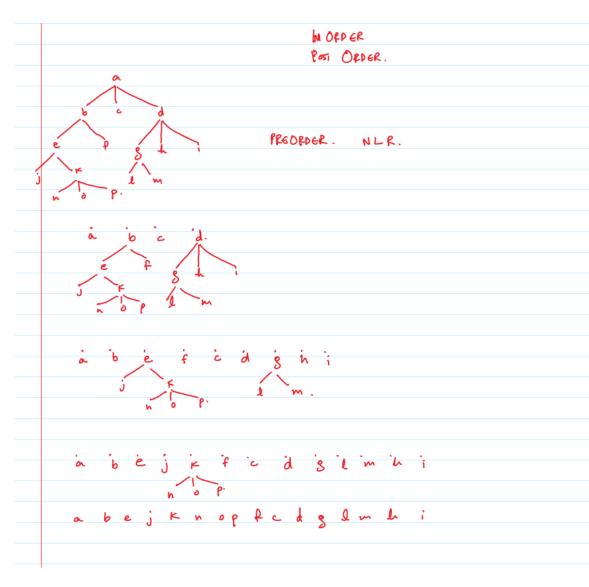
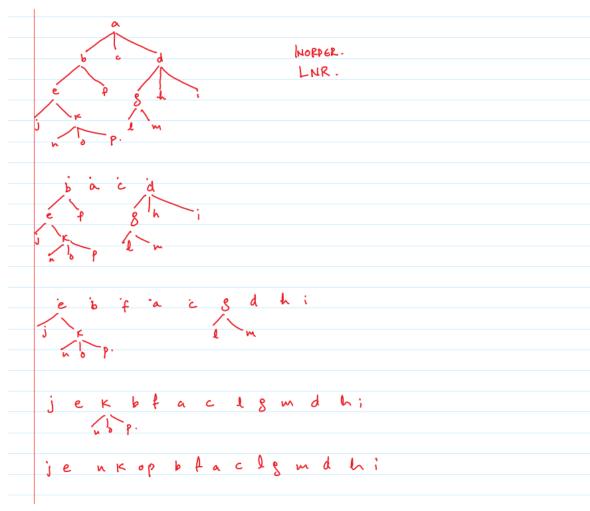
Discrete Lecture #28

Pre - orderNLR



- In Order :
 - o LNR



- POST ORDER:
 - o LRN

Pexpression Evaluation.

Expression Evaluation.

Ex5 Find rooted tree for the expression.

657 ((x +y) 12) + ((x - 4)/3) ?

Operations = leterned

Vertices.

Post of the expression back.

Post of the expression back.

Post of the expression back.

No day = (NFix II.

Ext Evaluate - the Prepix Expression.

+ - * 2 3 5 / 1 2 3 4.

+ - * 2 3 5 / 8 4

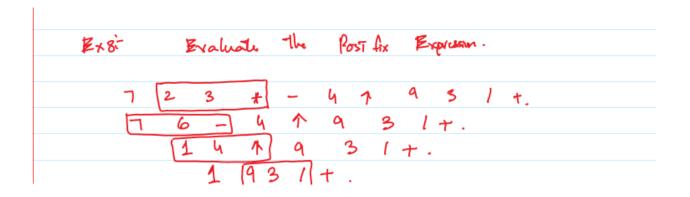
+ - * 2 3 5 2

+ - 6 5 2

+ 1 2

3.

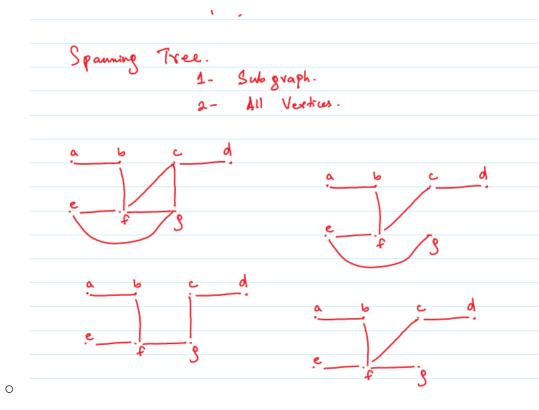
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New Section 2 Page 1

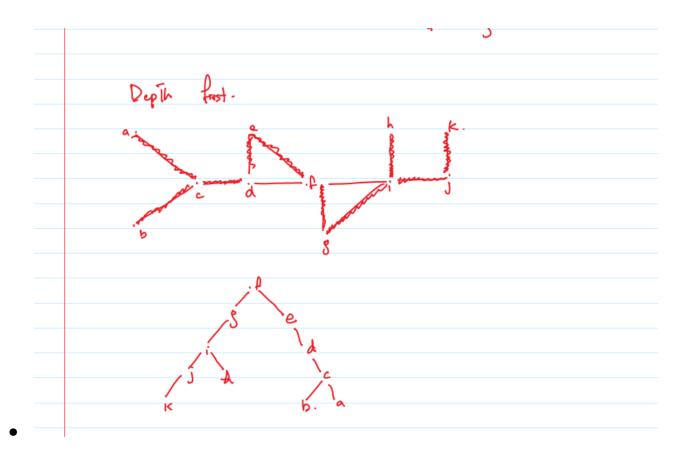
• Spanning Tree

- o Should be a sub graph of the original graph
- Must have all vertices



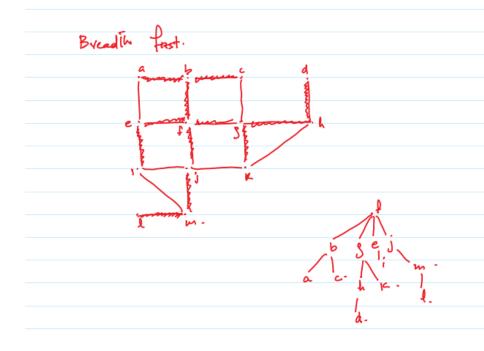
• Depth First:

- o Start at a vertex and go to its depth
- When no more vertices are left track back to original vertex and continue



Breadth First :

- Start from a vertex and explore all of its adjacent edges and move to the next vertex
- o Dont add any vertex that have be explored once



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