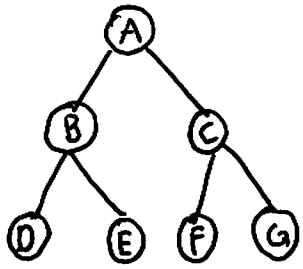
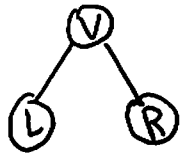
Tree Orders

Given:



Key:



subtree

In Order (LVR)

(L V r) (L V r)

D B E A F C G

L V r

Post Order (LRV)

(L R V) (L R V)

D E B F G C A

L R V

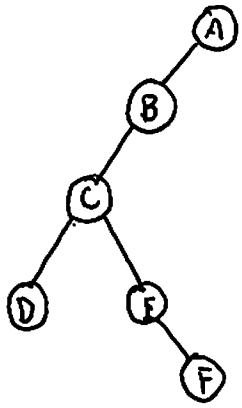
Pre Order (VLR)

(V L R) (V L R)

A B D E C F G

V L R

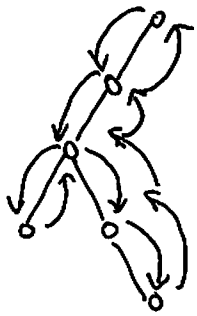
Example



in order:

L V R R V V

D C E F B A

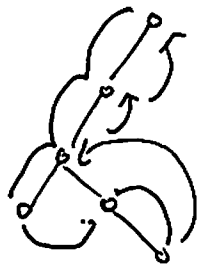


Post order:

F E

D ~~E E~~ C B A

~~Pre order:~~

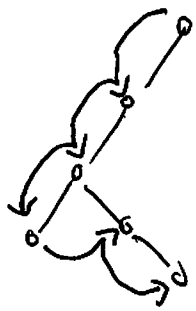


Pre Order

A B C D E F

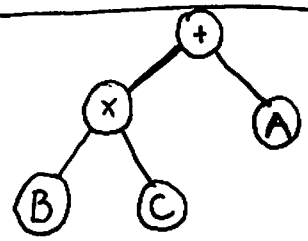
V V V L R

V R

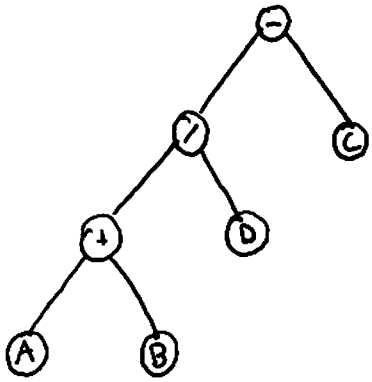


Expression Tree

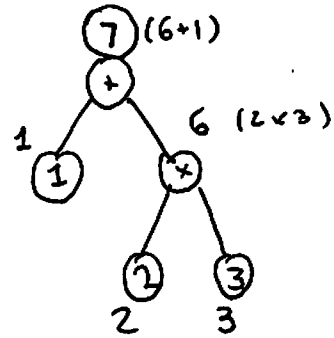
Ex) A + B × C using tree



Ex) (A+B)/D-C



Eval ex. 1 where A=1, B=2, C=3



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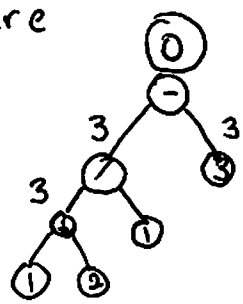
" " ex 2 where " " , D=1



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