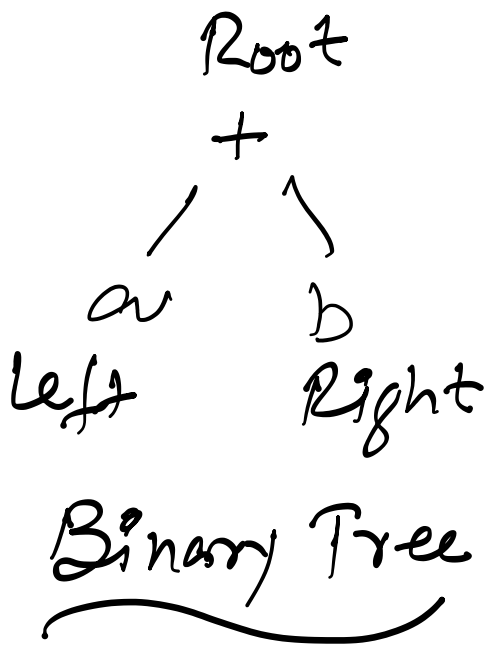


Reverse Polish Notation (RPN)

Sunday, 16 January 2022 5:05 PM

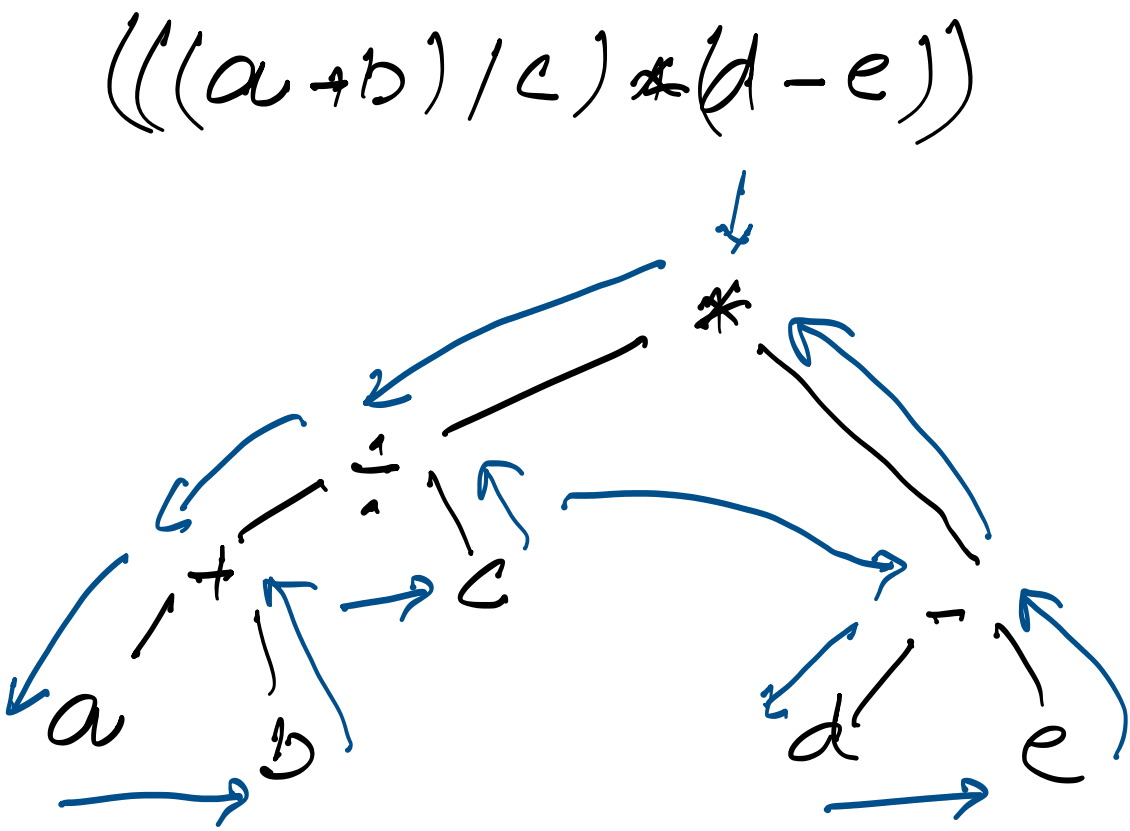
(Reading) (Writing)  
inorder (L,Ro,Ri) a + b infix  
preorder (Ro,L,Ri) + a b prefix  
postorder (L,Ri,Ro) a b + postfix (Reverse Polish Notation).



Regular mathematical expression has ambiguities: BODMAS

BODMAS

infix  
↓  
Binary Tree  
↓  
post order (RPN)



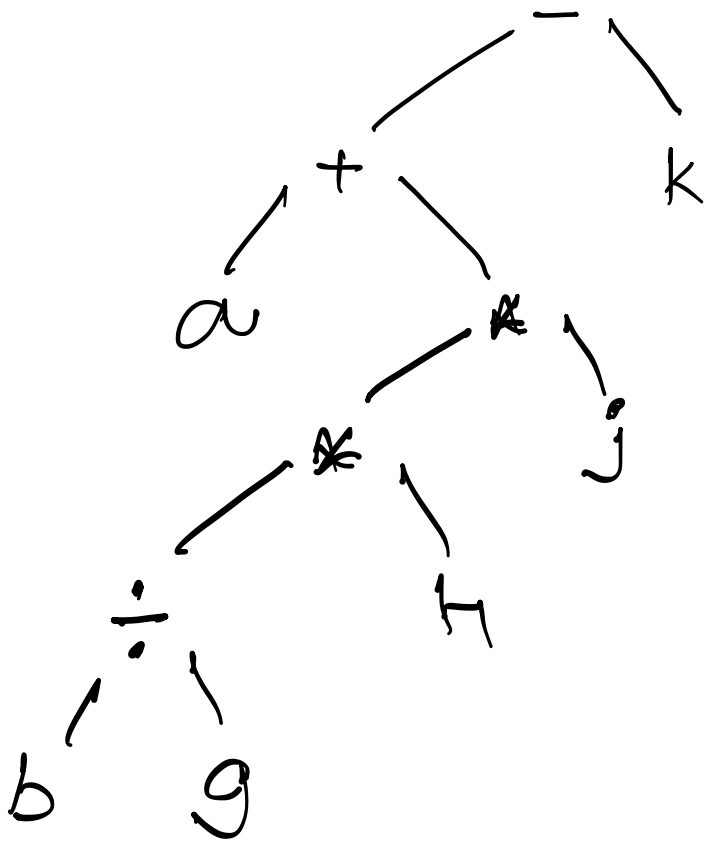
a b + c ÷ d e - \* (RPN)

classwork:

- 1, a + b / g \* h \* j - k
- 2, ((a + b) / ((g \* h) \* (j - k)))
- 3, ((a - b) \* (c + d)) ÷ e
- 4, a b c - d
- 5, a + b + c / d

BODMAS

1, a + b / g \* h \* j - k



a b g ÷ h \* j \* + k -

2, ((a + b) / ((g \* h) \* (j - k)))

