Architecture Lab2

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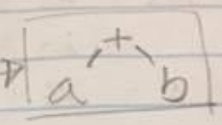
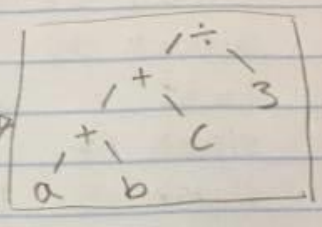
Exercises

2. Infix = a + b
   Postfix = a b +



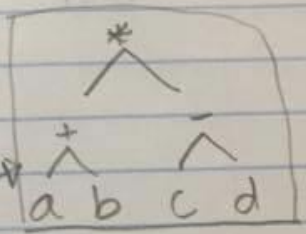
3. a b + 2 ÷

4. a b + c + 3 ÷

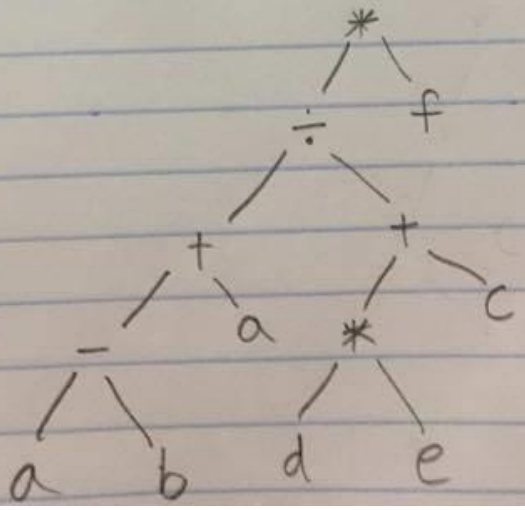


5. infix = (a+b)*(c+d)
   postfix = a b + c d + *

6. postfix = ab + cd - *
   = (a b +) (c d -) *
   infix = (a+b)*(c-d)



7. postfix = a b - a + c d e * + / f *
   (((a b -) a +) (c (d e *) +) /) f *
   infix = (((a - b) + a) / (c + (d * e))) * f



8. postfix = 28 30 + 14 15 − *

=((28 30 +) (14 15 −) *)

infix = (28 + 30) * (14 − 15)

sipush 28
sipush 30
iadd
sipush 14
sipush 15
isub
imul

stack1: 28 + 30

stack2: 14 − 15

58 * −1