

# Infix expression

<operand> <operator> <operand>

## Precedence

1.  $() \{ \} [ ] /$
2.  $^$
3.  $*, /$
4.  $+, -$

$(2^{(3^2)})$   
Associativity  
 $R \rightarrow L$   
 $L \rightarrow R$   
 $L \rightarrow R$

$4 * 2 + 3$

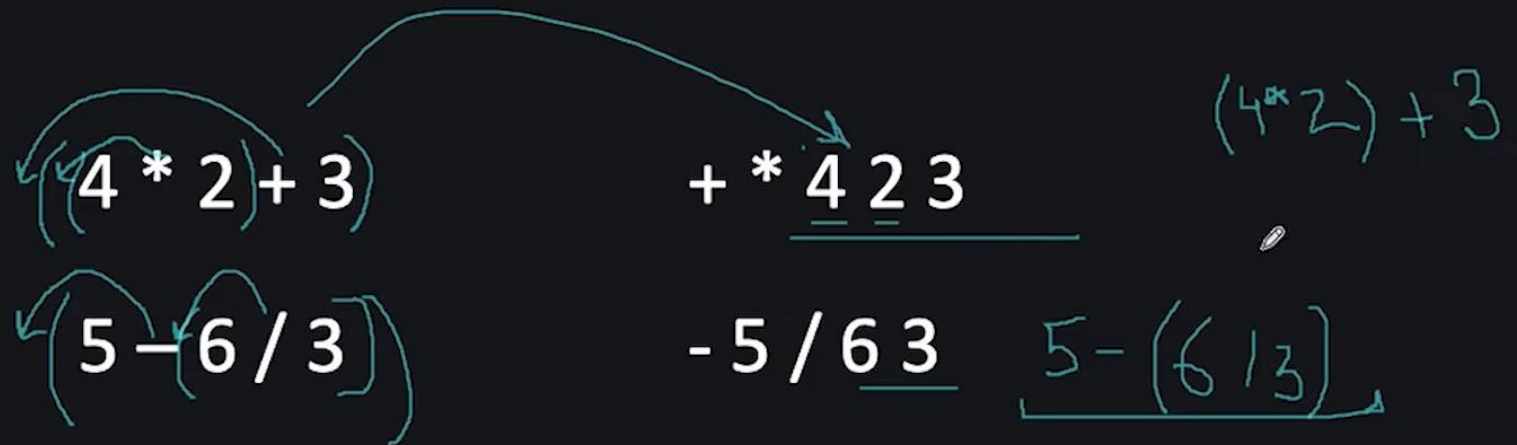
$(4 * 2) + 3$  ✓

$4 * (2 + 3)$

Polish notation

# Prefix expression

<operator> <operand> <operand>



Reverse Polish  
notation

# Postfix expression

<operand> <operand> <operator>

$$\begin{aligned} & ((4 * 2) + 3) \\ & (5 - (6 / 3)) \end{aligned}$$

$$\begin{aligned} & 4 \ 2 \ * \ 3 \ + \\ & 5 \ 6 \ 3 \ / \ - \end{aligned}$$

$$5 - (6 / 3)$$

$$(4 * 2) + 3$$