Infix Calculation

It is the human readable form of mathematical operation eg: **a*(b-c)/d+e**

Infix eg: a+b
Prefix eg: +ab
Postfix eg: ab+

Expression Tree method to convert to prefix :
(Follow BODMAS rule)

(Left side or path)

prefix :- + / * a b - c d e

postfix : (Right side)
           path

a b c d / e +

Algo

$$2 + (5 - 3 * 6 / 2)$$

Rules

I) Operand pushed to operand stack
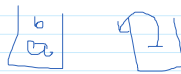
II) (pushed to operator stack

III)) pop all operator till (
then pop (also

IV) operator then pop <= operator till we get (or stack → greater or equal or smaller priority operator

priority
⇒ +- < /*
   same   same

Note:-

a — b

a — b ✓   b — a ✗

➢ **Niche se uper values**