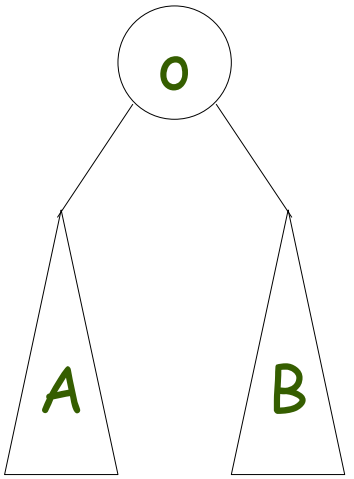
Infix to Postfix Conversion Using Stack

Observation 1

Infix: AoB

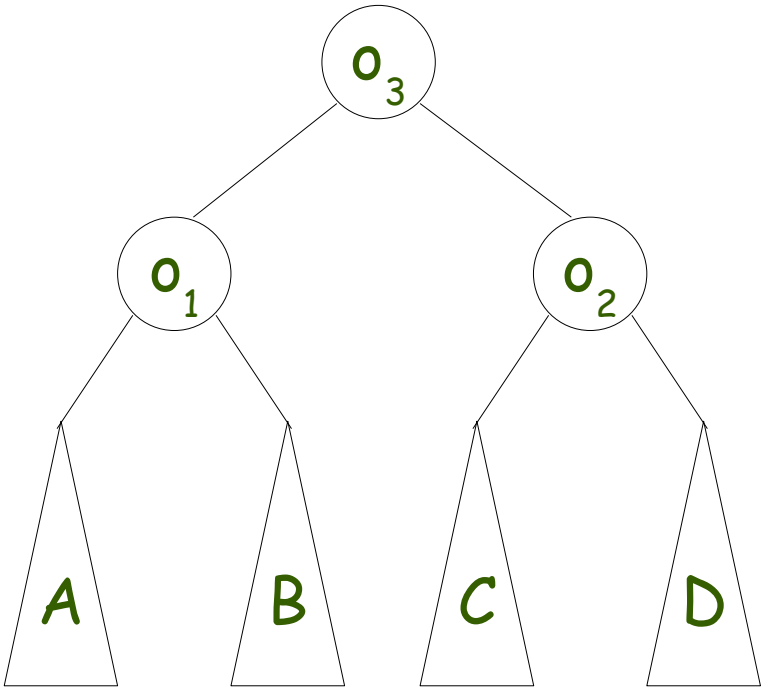
Postfix: ABo



Observation 1

Infix: $Ao_1Bo_3Co_2D$

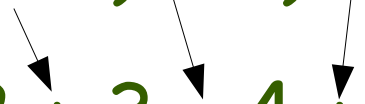
Postfix: $ABo_1CDo_2o_3$



Observation 2

1 + 2 - 3 + 4

= ((1 + 2) - 3) + 4



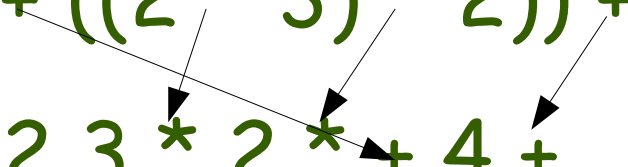
=> 1 2 + 3 - 4 +

Observation 3

1 + 2 * 3 * 2 + 4

= (1 + ((2 * 3) * 2)) + 4

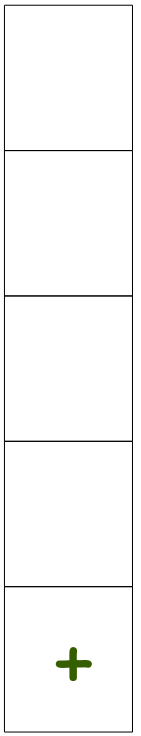
=> 1 2 3 * 2 * + 4 +



Observation 3

1 + 2 * 3 * 2 + 4

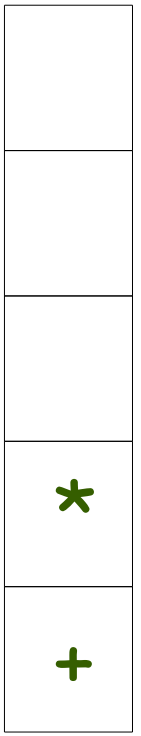
=> 1



Observation 3

1 + 2 * 3 * 2 + 4

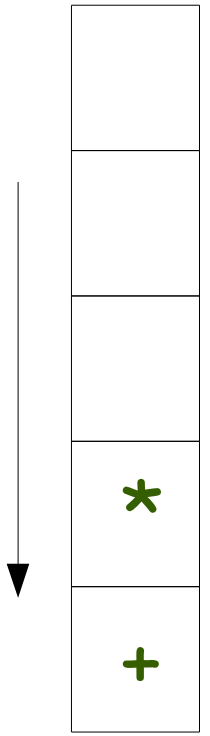
=> 1 2



Observation 3

1 + 2 * 3 * 2 + 4

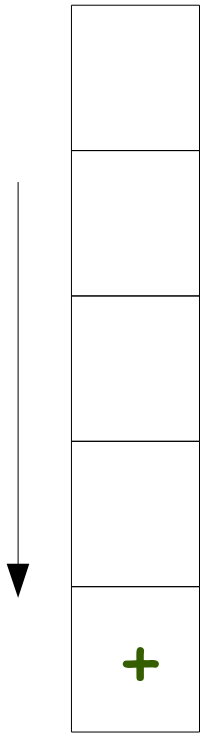
=> 1 2 3



Observation 3

1 + 2 * 3 * 2 + 4

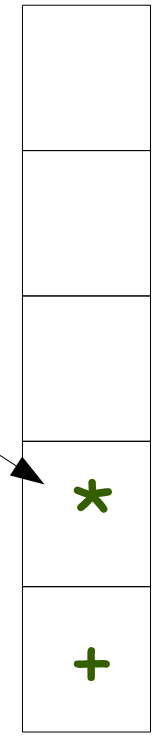
=> 1 2 3 *



Observation 3

1 + 2 * 3 * 2 + 4

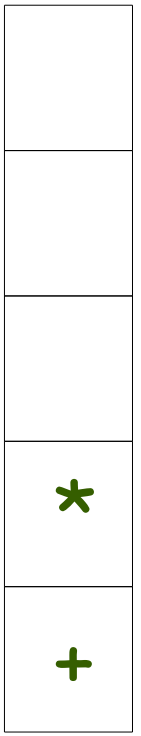
=> 1 2 3 *



Observation 3

1 + 2 * 3 * 2 + 4

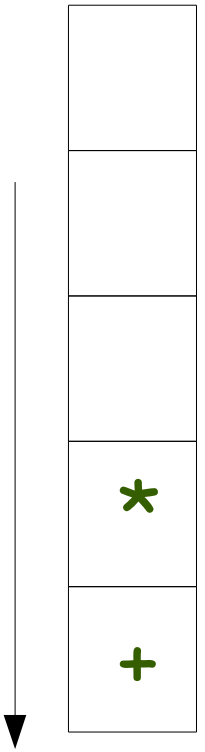
=> 1 2 3 * 2



Observation 3

1 + 2 * 3 * 2 + 4

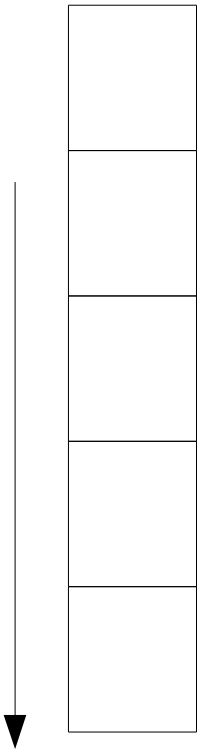
=> 1 2 3 * 2



Observation 3

1 + 2 * 3 * 2 + 4

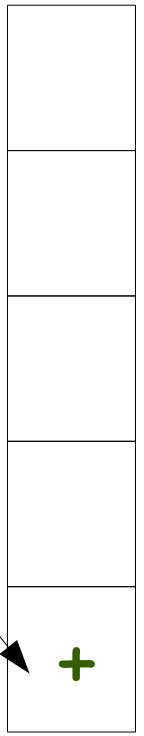
=> 1 2 3 * 2 * +



Observation 3

1 + 2 * 3 * 2 + 4

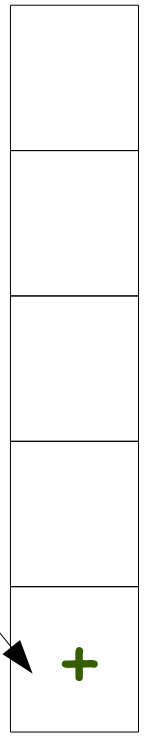
=> 1 2 3 * 2 * +



Observation 3

1 + 2 * 3 * 2 + 4

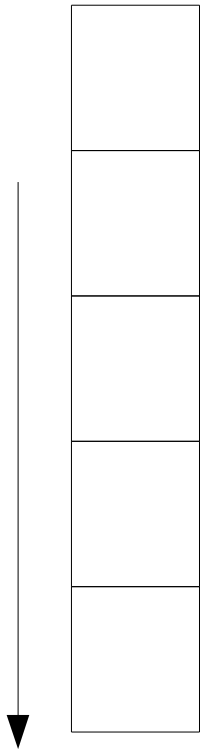
=> 1 2 3 * 2 * + 4



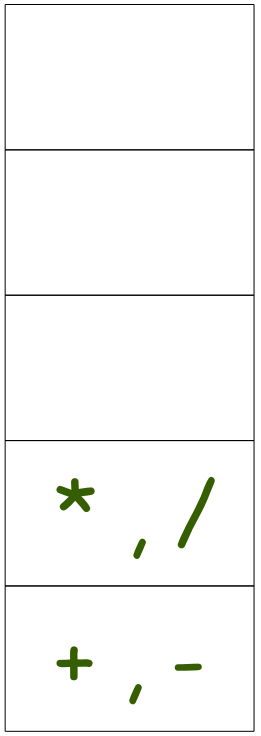
Observation 3

1 + 2 * 3 * 2 + 4

=> 1 2 3 * 2 * + 4 +



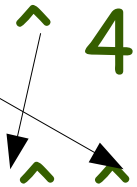
Observation 3



Observation 4

2 ^ 3 ^ 4

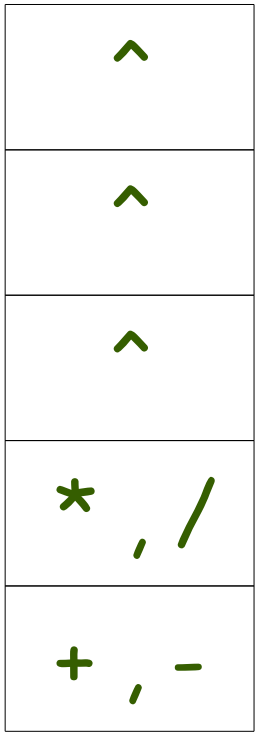
= 2 ^ (3 ^ 4)



=> 2 3 4 ^ ^

.....How?

Observation 4



Bonus: Handling the Parenthesis

5 * (2 + 3) + 1

Have to be
done first!

Bonus: Handling the Parenthesis