

Infix to Postfix

$((((A/B)^{*}C)+D^*E)-(A+C)) \rightarrow \text{In-fix}$

Operands Operators

In-fix → Operand Operator Operand
A + B

Post-fix → Operand Operand Operator
A B +

1. Parantezleri yaz
2. Operator'ları içinde bulundukları ifadein sağ parantezine yaz.
En icteli parantezde uygula, dizan doğru git.
3. Parantezleri sil

Rules

$+,-,/,*$ left to right $\rightarrow (A+B)+C \rightarrow AB+C+$

$+ = -, * = /, (* /) > (+ -) \rightarrow \text{precedence}$

examples

$(A+(B*C))+D \rightarrow \underline{\underline{ABC}} *+D+$

$A-(B+C)*D \rightarrow ABC+D*-$

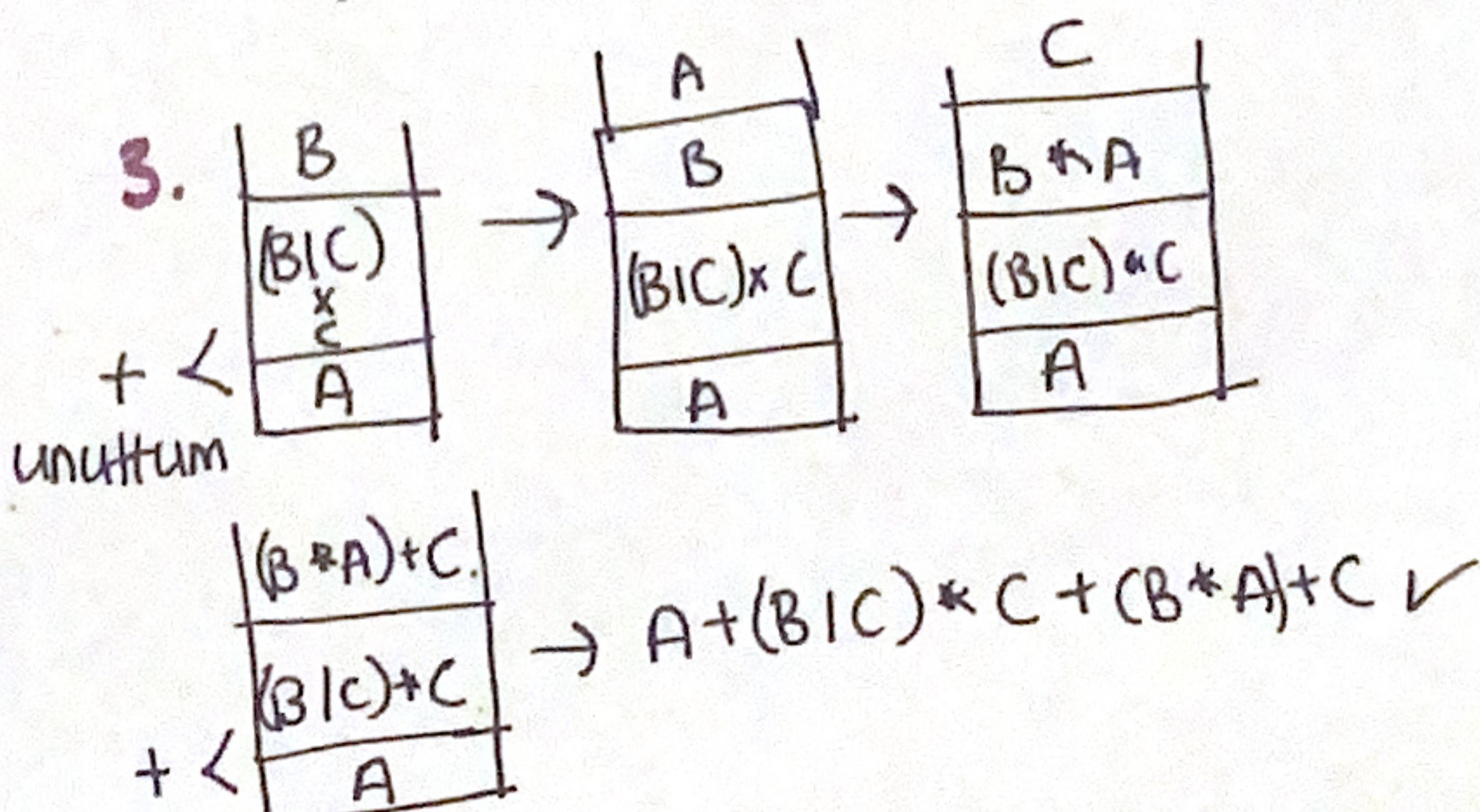
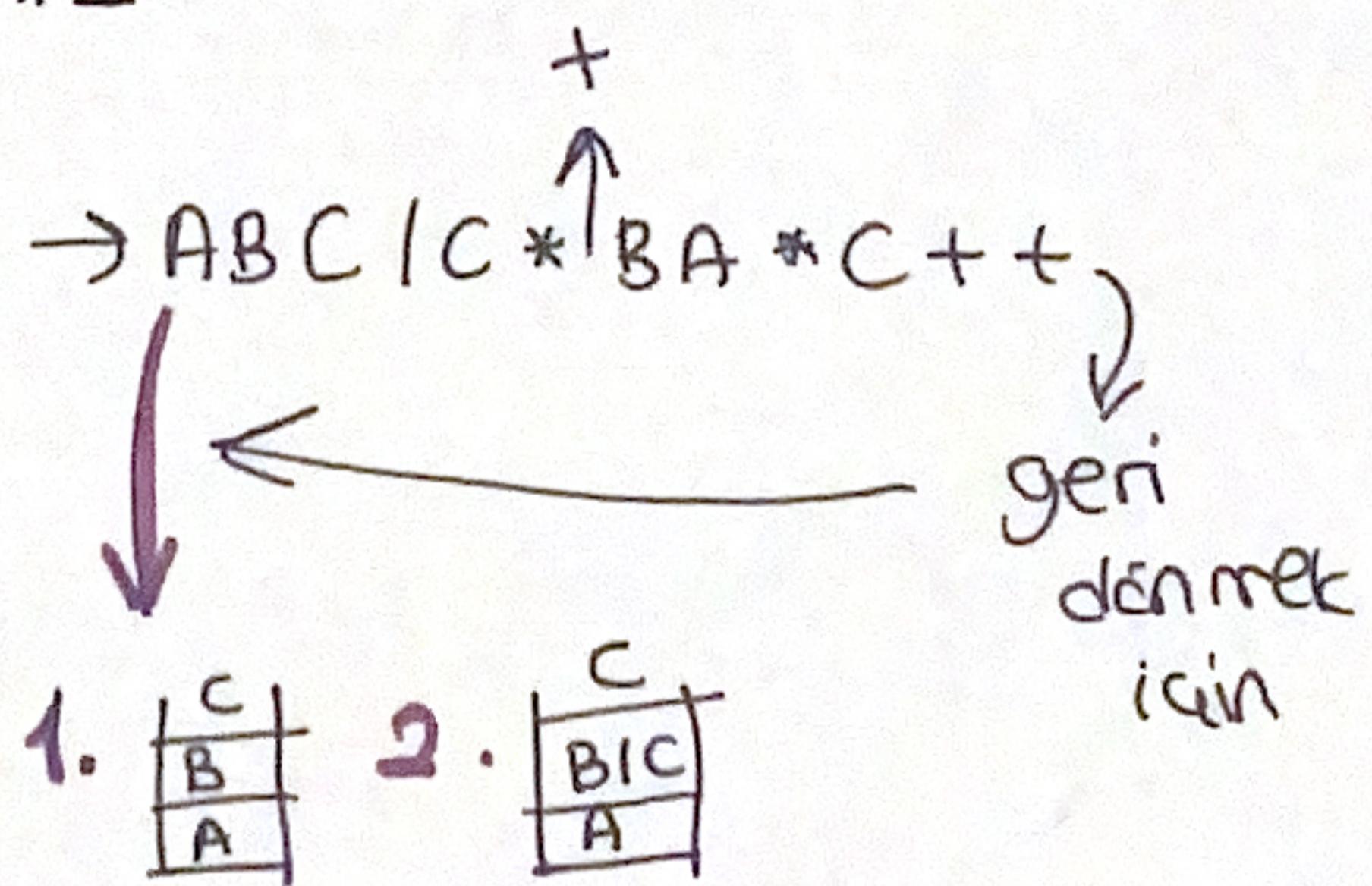
$A+(B|C)*C+(B*A)+C \rightarrow ABC|C*BA*C++$

To validate:

1. Put operand to stack
(Iterate over the expression)

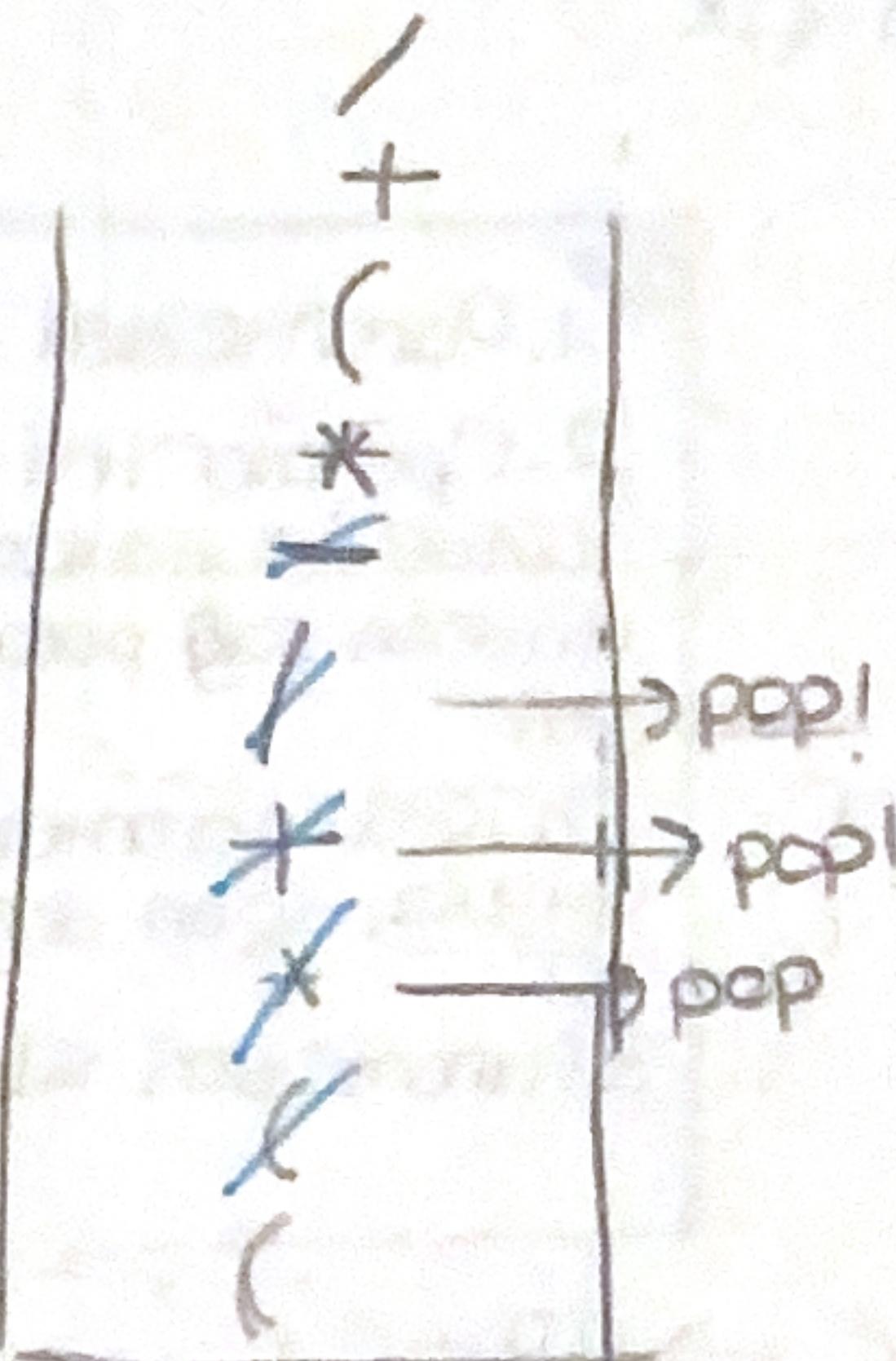
2. If you encounter an operator, pop last two elements, apply operation,

3. Keep going until no element is left.
(Eleman kaldıysa işaret unutturulur!)



Infix to Postfix

((A * (B+D)/E) - F * (G+H/K)))



1. If operand \rightarrow write
2. If operator \rightarrow push
3. If operator $>$ op on stack, push
4. If op on stack $>$ next operator, pop all operators
5. If $($, push on stack
6. If $)$, pop all of them until $($ shows up

ABD + E /* π G H K / + * -