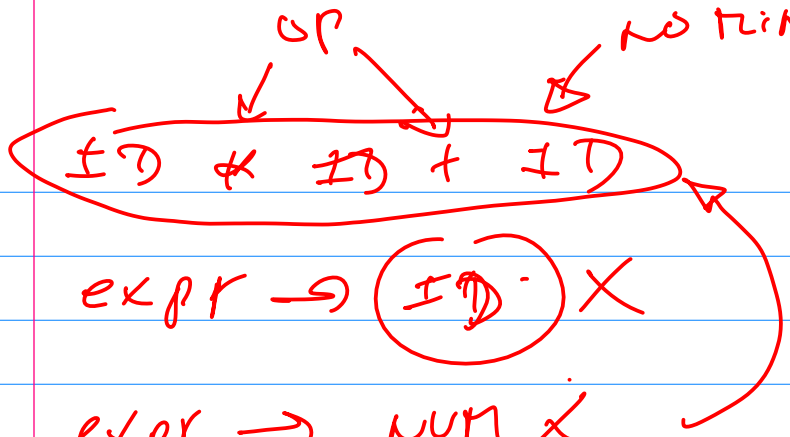


1 : expr → ID
2
3 : - expr
4 : (expr)
5 : expr op expr

expr → NUM X

expr → - expr X

expr → expr op expr

ID op expr

leftmost derivation

ID * expr

ID * expr op expr

rightmost derivation

ID * ID op expr.

ID * ID + expr.

ID * ID + ID

sentencial form

sentencial form

ID * ID + ID

Rightmost Derivation

R1 or R5? Ambiguity

expr
R5 → expr op expr
R5 → expr op expr op expr
R1 → expr op expr op ID
R6 → expr op expr + ID
R1 → expr op ID + ID
R8 → expr * ID + ID
R1 → ID * ID + ID