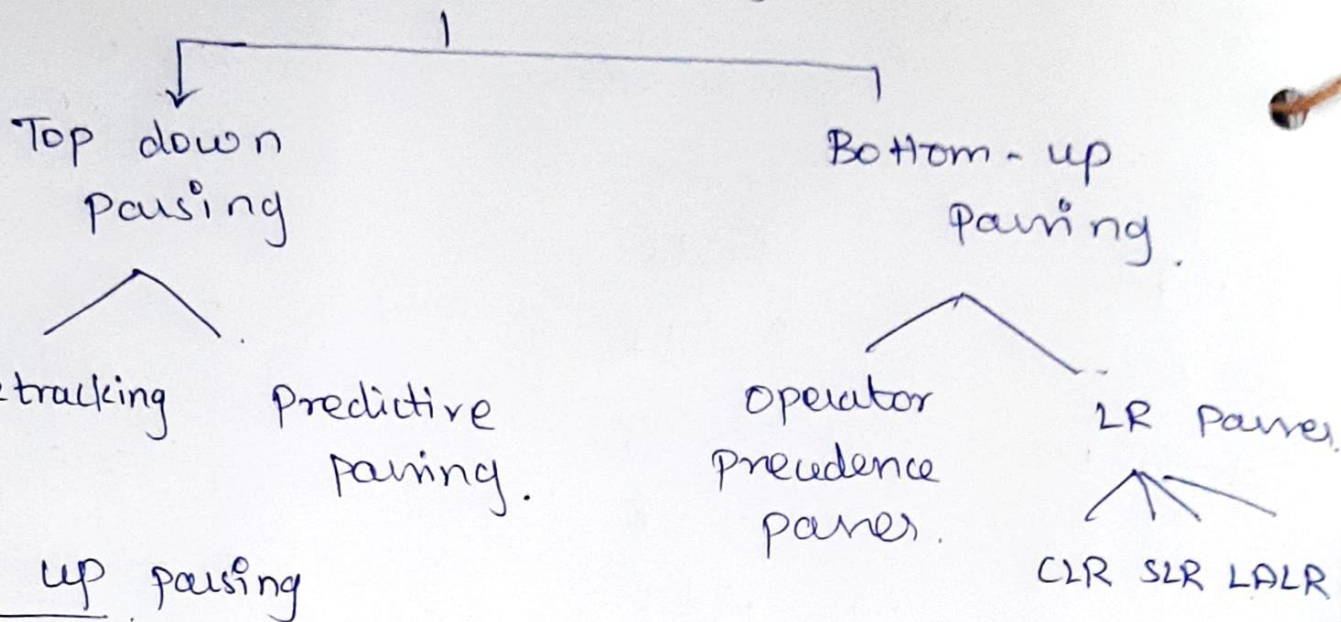


Types of parsing

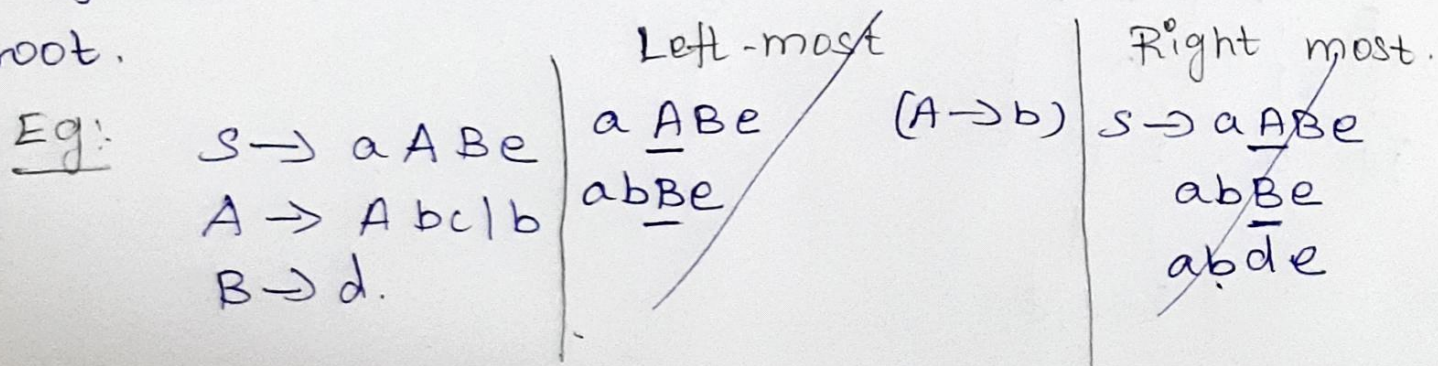


Bottom up parsing

- Shift-Reduce parsing.
- Handle parsing.
- Operator precedence parsing.
- Stack implementation of operator precedence parsing.
- LR parsing. Left-Right Scanning, parse.
- SLR parsing. simple Left-Right " "
- CLR parsing. Canonical Left-Right " "
- LALR parsing. Look Ahead Left to Right scanning parsing.

Shift-Reduce parsing:-

Shift-reduce parsing is a type of bottom-up parsing that constructs a parse tree for an input beginning at the leaves & working towards the root.



Left most

write all
terminal
first

abbde (A → b)

~~a**b**c**b**d~~

aAbcd e (A → ABC)

aAde (B → d)

aABe (S → aABe)

S.

Right most.

S → aABe

→ aAde

→ aAbcde

→ abbcd e.

write first
production rule
of grammar