

Complete Course on Theory of Computation

Note 5-) asbs | 55as | E To check given i/p: abab gram is ambigionla on 555 underidelle 5-)as/a => (a, aa, aaa, aaa, 5-) as/sa/a/ G = Ambigion ==) 5->asa/a/E

1-Laper contin =) multiple

1-Grand Genarte =) /-kegengl

Accorde to chombing-Types of Gramman

$$(V+T) \xrightarrow{+} (V+T)$$

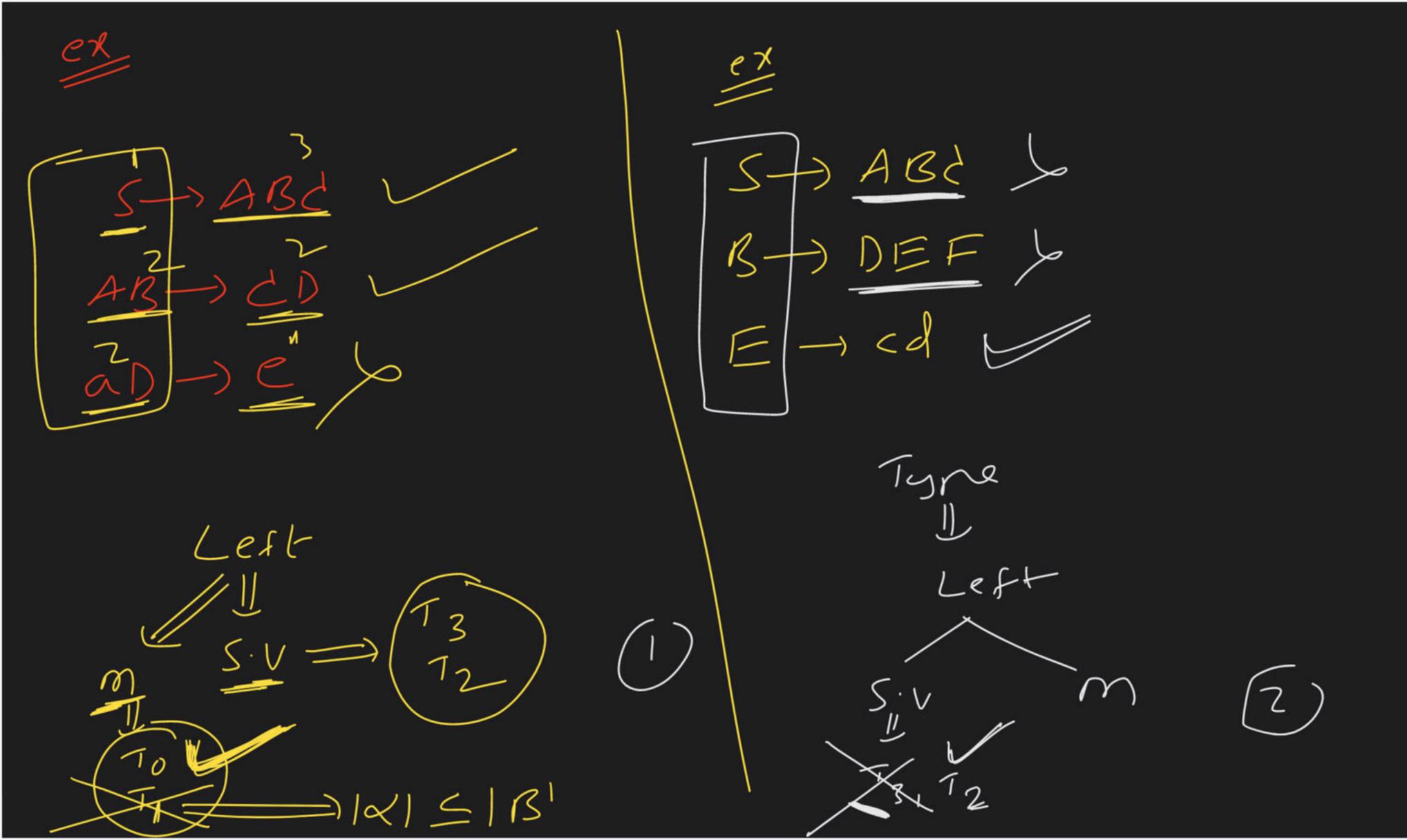
$$(V+T) - (V+T)$$
 $(V+T) \beta$

Type-3 (Reguls-Gramm) V->VT-/T Regul Lynge (=) RE V — TV T NFADEA E-NFA

Find Type means

Il

Higher type-number



Type Lest

Lest 1-

5-) Sa/b=)L.L.G A-) bA/b --> R.L.4 Type The E-free-Grammit S-ABC

Grammer (CFG) context Free write $CFG(L={am},b^n)m,nZ1$ =) ab, aaab/ab/b, aaabbb ~ m] 1 $S \longrightarrow A \cdot B$ mpn m, n) 1 A-) aA (a ==) am/m2! B-) 6B/b==> 57/ n21

