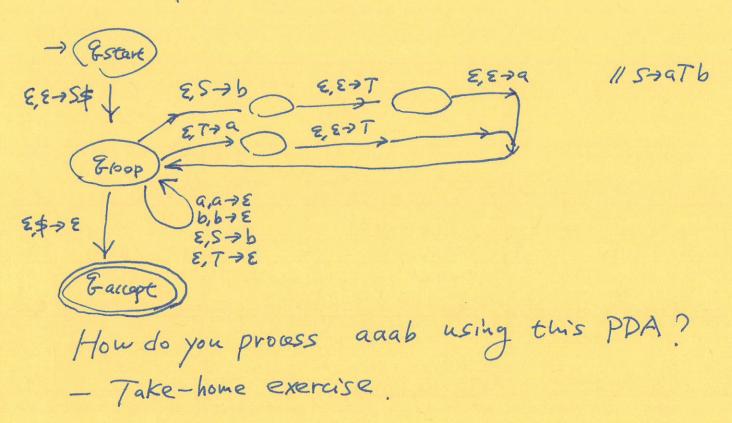
l-eb 24 Equivalence between PDA and GFL. Theorem 2.20: A language is context-free if and only if some PDA reaguizes it. "onif pare" Lemma 2.21: If a language is CF, then some PDA recognizes it. Some CFG => PDA (Mondeterministric) somehow () deterministic → (Gstart) 1 E, E -7 S\$ E, A > EV // for rule A > W (200p) a, a -> E 11 for terminal a 1, ε, \$ → ε Traccept) (8) a,5+2 | €, € → Y

Ex S-aS/b

Example Convert CFGG to PDA.

5-) aTb/b

T-) Ta/E



S=) aTb => aTab => aTaab => aaab