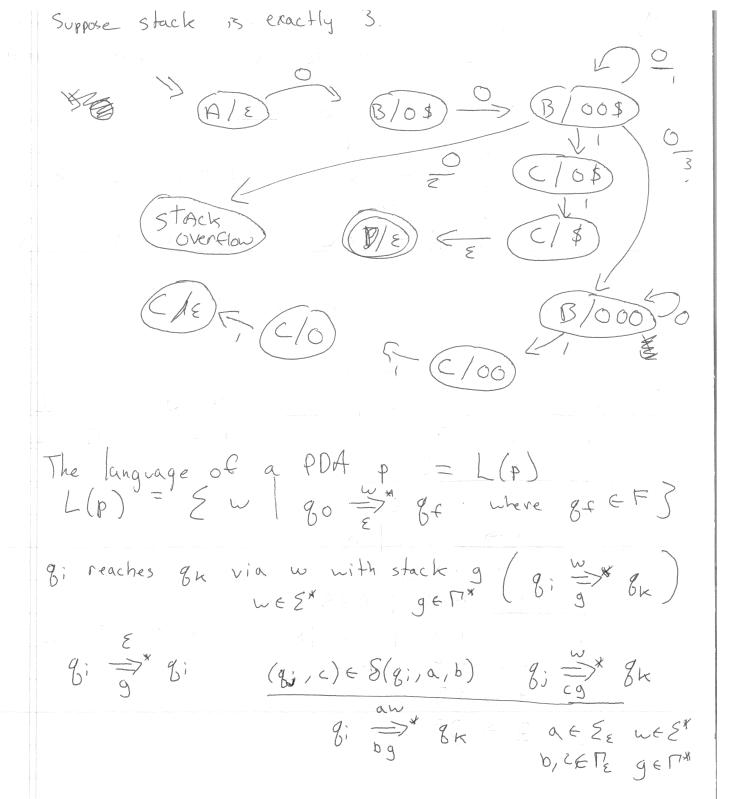


APDA pis QXEXTX80X8XF Q is a finite set of states E is an alphabet (input) 17 is an alphabet (stack) go e Q is the start state F = Q are the accepting states



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....

....

A special case of a CFG (context-free gramman)

13 a CNF (Chomsky Normal Form gramman)

A (NF is a CKG but

every rule is reitlen

1) A > c A \in V C \in \in \in \

2) S > \in \in \

3) A >> BC A, B, C \in V B, C \in S

Every (FG can be converted to CNF

0) S >> OS 1 | E

 $S \rightarrow ASB$ ϵ $A \rightarrow 0$ $B \rightarrow 1$ 1) S -> AX /E A>0 B>1 2) $X \Rightarrow SB$ A > 6 B > 1S > AX | E 3) X -> AXB B S > AX | AB | E 4) X -> AXB ABB 5 > A X | AB | E A> 0 B> 1 5) X -> AY | AZ 4 > XB Z >> BB