

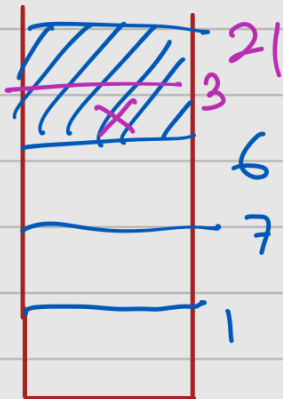
Parse Table

Action table

Goto Table

	+	id	()	E	T	F
--	---	----	---	---	---	---	---

I_0
 I_1
 I_2
 I_3
 I_4



$6 \times X \rightarrow 3$

not as big as
LR(1)
tables as
big as SLR



$I_4: \text{goto}(I_0, d)$

$C \rightarrow d.,$
kernel

c/d
lookahead

$I_7: \text{goto}(I_2, d)$

$C \rightarrow d.,$ \$

$C \rightarrow c.C$ c/d

\Downarrow

$C \rightarrow c.C$ c

"Modified" \rightarrow LALR "original" \rightarrow LR(1)

$S \rightarrow \beta. a$
 $A \rightarrow \alpha. a \gamma b$

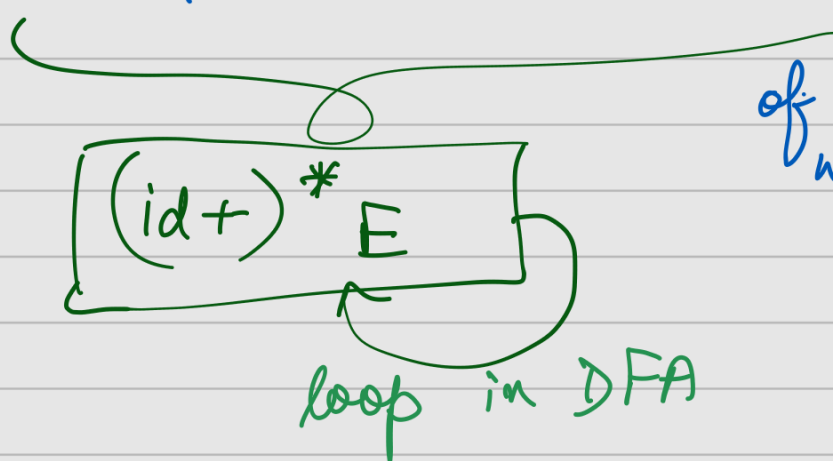
} Let LR(1) have no conflict & LALR be this.

But LR(1) could not have any conflict. Because such a state must have existed in LR(1)

grammar ∞ v/s lang ∞ -

$E \rightarrow id + E \mid id$

$id + id + id + id + \dots$



} Stack needs to be of the length of the string in the worst case.

(len of string - arbitrarily large)