

LR(0) - state machine, no lookahead

(35)  $A ::= x.$

35	r17	r17	r17.	r17	
			↑		

SLR(1)

-symbol lookahead  
only reduce  $A ::= x$  if  
next symbol in FOLLOW(A)

LR(1)

$A ::= x.y, \alpha$

most general  
huge state space

LALR(1)

merges LR(1) states

$A ::= \alpha \cdot \beta, a$

$A ::= \alpha \cdot \beta, b$

cuts down # states  
still general

} Yacc  
Bison  
CUP  
PLY