

SLR Parsing

- (1) $S' \rightarrow S$
- (2) $S \rightarrow bX * S$
- (3) $S \rightarrow b$
- (4) $X \rightarrow + bX$
- (5) $X \rightarrow + b$

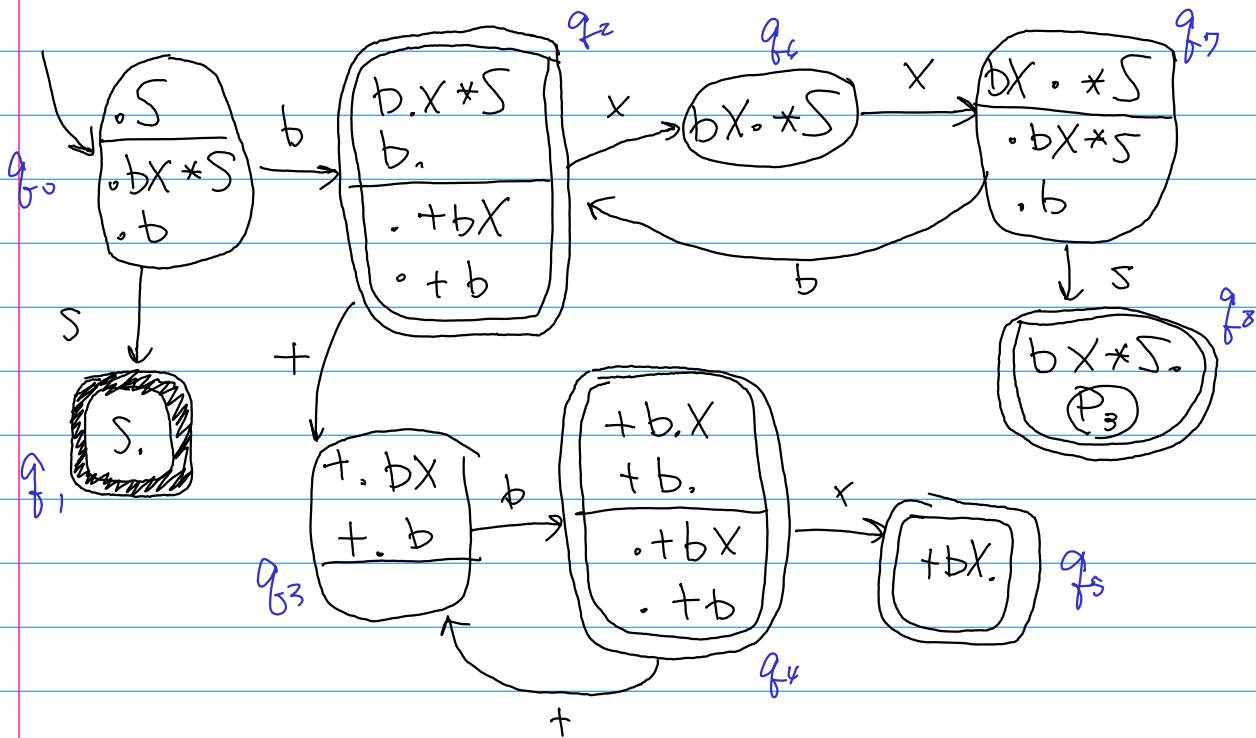
① Augment $S' \rightarrow S$

② LR(0) Items

$\cdot S$	$\cdot bX * S$	$\cdot + bX$	$\cdot + b$
$S \cdot$	$b \cdot X * S$	$+ \cdot bX$	$+ \cdot b$
	$bX \cdot * S$	$+ b \cdot X$	$+ b \cdot$
	$bX * \cdot S$	$+ bX \cdot$	
	$bX * S \cdot$		

Informally, the "dot" marks the position of parser in a parse.

③ Construct Automata



④ Parsing Algorithm

