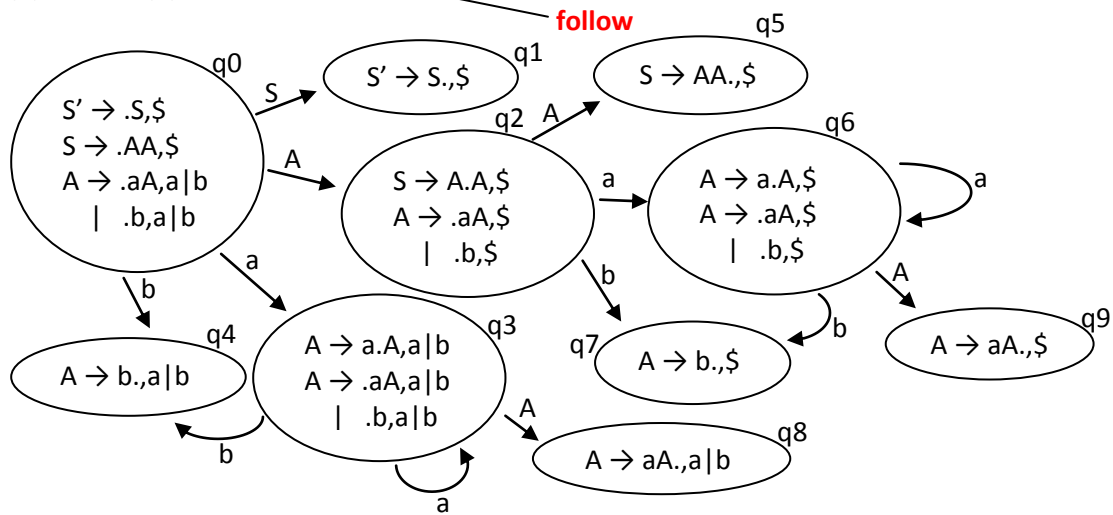


LR(1) Item: LR(0) Item with look-ahead



Canonical Collection of LR(1) Items

LALR(1) Parse Table

Grammar:

1. $S \rightarrow AA$
2. $A \rightarrow aA$
3. $\mid b$

States	Action			Goto	
	a	b	\$	S	A
0	S3	S4		1	2
1			Accept		
2	S6	S7			5
3	S3	S4			8
4	r3	r3			
5			r1		
6	S6	S7			9
7			r3		
8	r2	r2			
9			r2		

CLR(1) Parse Table

Grammar:

1. $S \rightarrow AA$

2. $A \rightarrow aA$

3. $\mid b$

States with same LR(0) items:

1. q3 and q6 --- Merged: q36

2. q4 and q7 --- Merged: q47

3. q8 and q9 --- Merged: q89

States	Action			Goto	
	a	b	\$	S	A
0	S36	S47		1	2
1			Accept		
2	S36	S47			5
36	S36	S47			89
47	r3	r3	r3		
5			r1		
89	r2	r2	r2		