

The following is the auxiliary grammar (G'), as per Bermudez and Logothetis 1989:

### Auxiliary Grammar

$$S'_0 \rightarrow S_0 .$$

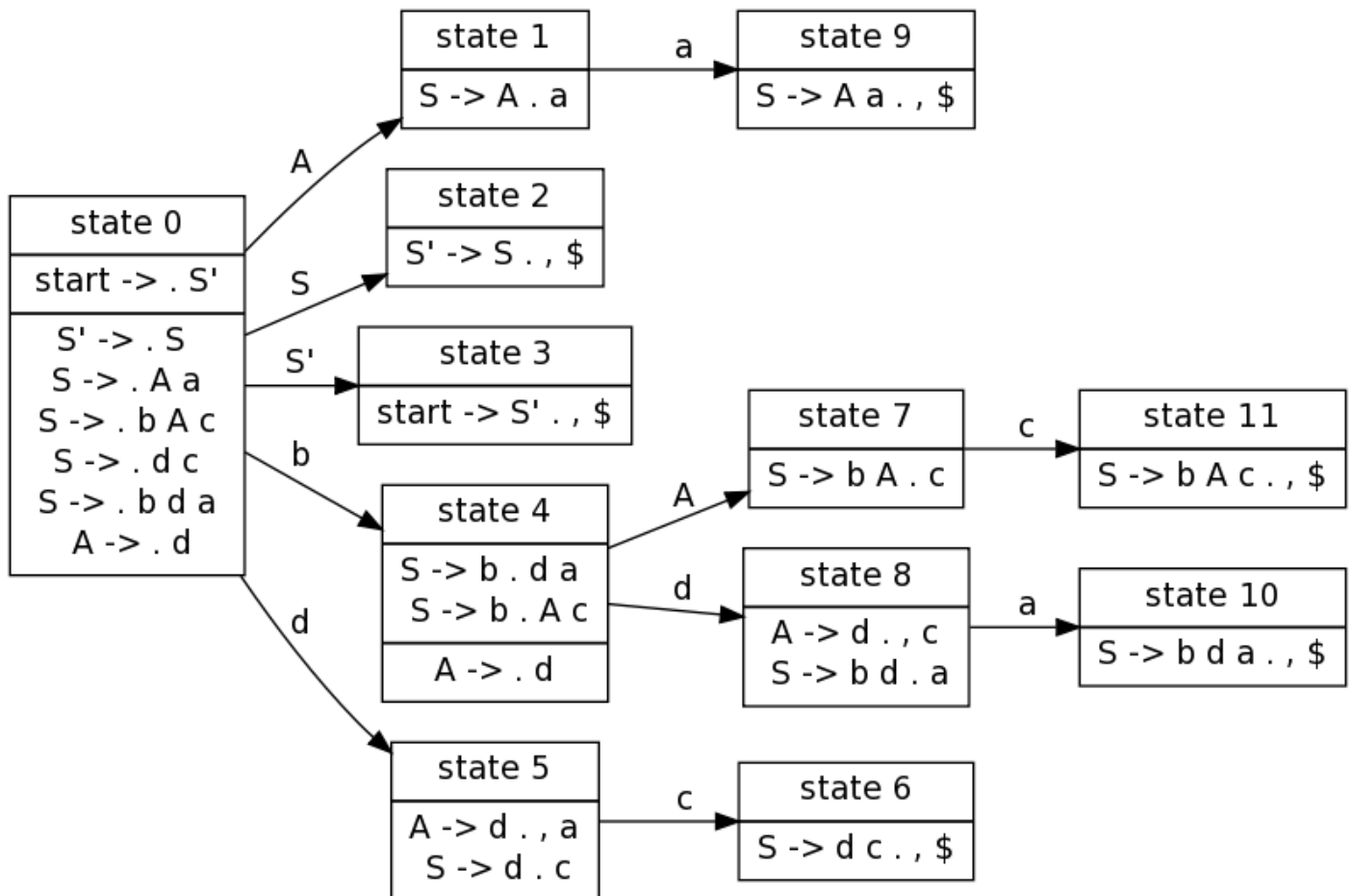
$$S_0 \rightarrow A_0 a$$

$$| b A_4 c$$

$$| d c$$

$$| b d a .$$

$$A_0 \rightarrow d .$$

$$A_4 \rightarrow d .$$


### Grammar

$$S' \rightarrow S .$$

$$S \rightarrow A a$$

$$| b A c$$

$$| d c$$

$$| b d a .$$

$$A \rightarrow d .$$

### LALR(1) Table

	\$	d	a	b	c	S'	S	A
0		s5		s4		s3	s2	s1
1			s9					
2	r(S' → S)							
3	acc							
4		s8						s7
5			r(A → d)		s6			
6	r(S → d c)							
7					s11			
8			s10		r(A → d)			
9	r(S → A a)							
10	r(S → b d a)							

11	$r(S \rightarrow b A c)$						
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It is LALR(1).

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