

LR(0)–Informationen von G

$$G: \begin{array}{ll} S' \rightarrow S & (0) \quad S \rightarrow B \mid C \quad (1/2) \\ B \rightarrow aB \mid b & (3/4) \quad C \rightarrow aC \mid c \quad (5/6) \end{array}$$

$$I_0 := \mathbf{LR(0)}(\epsilon): \quad I_1 := \mathbf{LR(0)}(S):$$
$$\begin{array}{l} [S' \rightarrow \cdot S] \\ [S \rightarrow \cdot B] \\ [S \rightarrow \cdot C] \end{array} \quad \begin{array}{l} [S' \rightarrow S \cdot] \end{array}$$

$$I_2 := \mathbf{LR(0)}(B):$$
$$\begin{array}{l} [S \rightarrow B \cdot] \\ [B \rightarrow \cdot aB] \\ [B \rightarrow \cdot b] \end{array}$$

$$I_3 := \mathbf{LR(0)}(C):$$
$$\begin{array}{l} [C \rightarrow \cdot aC] \\ [C \rightarrow \cdot c] \end{array} \quad \begin{array}{l} [S \rightarrow C \cdot] \end{array}$$

$$I_4 := \mathbf{LR(0)}(a): \quad I_5 := \mathbf{LR(0)}(b):$$
$$\begin{array}{l} [B \rightarrow a \cdot B] \\ [C \rightarrow a \cdot C] \end{array} \quad \begin{array}{l} [B \rightarrow b \cdot] \end{array}$$

$$I_6 := \mathbf{LR(0)}(c):$$
$$\begin{array}{l} [B \rightarrow \cdot aB] \\ [B \rightarrow \cdot b] \\ [C \rightarrow \cdot aC] \\ [C \rightarrow \cdot c] \end{array} \quad \begin{array}{l} [C \rightarrow c \cdot] \end{array}$$

$$I_7 := \mathbf{LR(0)}(aB): \quad I_8 := \mathbf{LR(0)}(aC):$$
$$\begin{array}{l} [B \rightarrow aB \cdot] \\ [C \rightarrow aC \cdot] \end{array}$$

$$I_9 := \mathbf{LR(0)}(Sa):$$
$$\emptyset$$

goto- und action-Funktion zu G

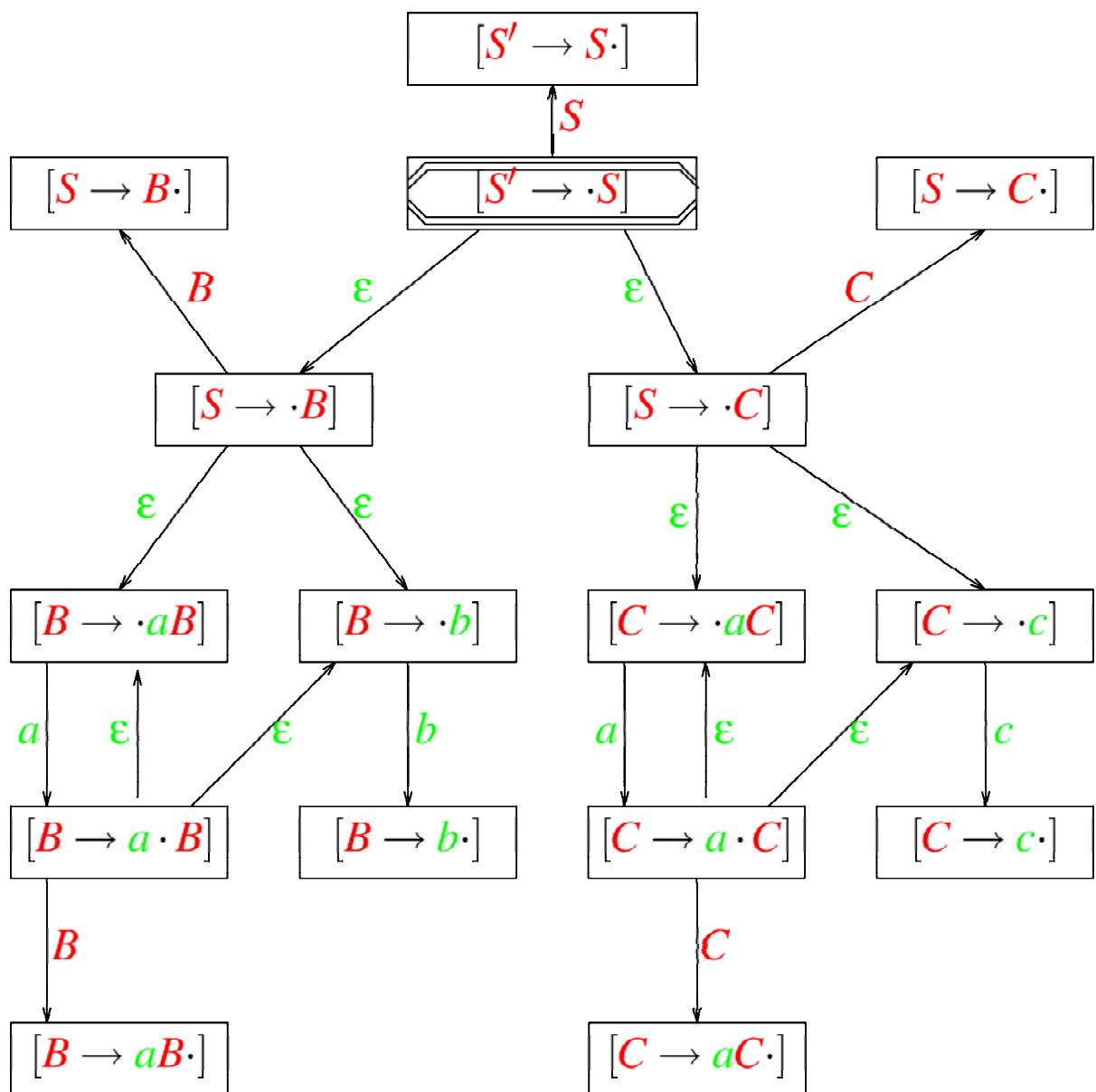
$$\begin{array}{l}
 G: S' \rightarrow S \quad (0) \quad S \rightarrow B \mid C \quad (1/2) \\
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 \end{array}$$

goto	I_0	I_1	I_2	I_3	I_4	I_5	I_6	I_7	I_8	I_9
S	I_1	-	-	-	-	-	-	-	-	-
B	I_2	-	-	-	I_7	-	-	-	-	-
C	I_3	-	-	-	I_8	-	-	-	-	-
a	I_4	-	-	-	I_4	-	-	-	-	-
b	I_5	-	-	-	I_5	-	-	-	-	-
c	I_6	-	-	-	I_6	-	-	-	-	-

LR(0)(G)	act	goto					
		S	B	C	a	b	c
I_0	shift	I_1	I_2	I_3	I_4	I_5	I_6
I_1	accept						
I_2	red 1						
I_3	red 2						
I_4	shift		I_7	I_8	I_4	I_5	I_6
I_5	red 4						
I_6	red 6						
I_7	red 3						
I_8	red 5						
I_9	error						

Berechnung von LR(0)(G) und goto
durch Potenzmengenkonstruktion

$G: S' \rightarrow S \quad (0) \quad S \rightarrow B \mid C \quad (1/2)$
 $B \rightarrow aB \mid b \quad (3/4) \quad C \rightarrow aC \mid c \quad (5/6)$



Potenzmengenkonstruktion (Fortsetzung)

