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20CS01019

NT: $\{D, T, L\}$

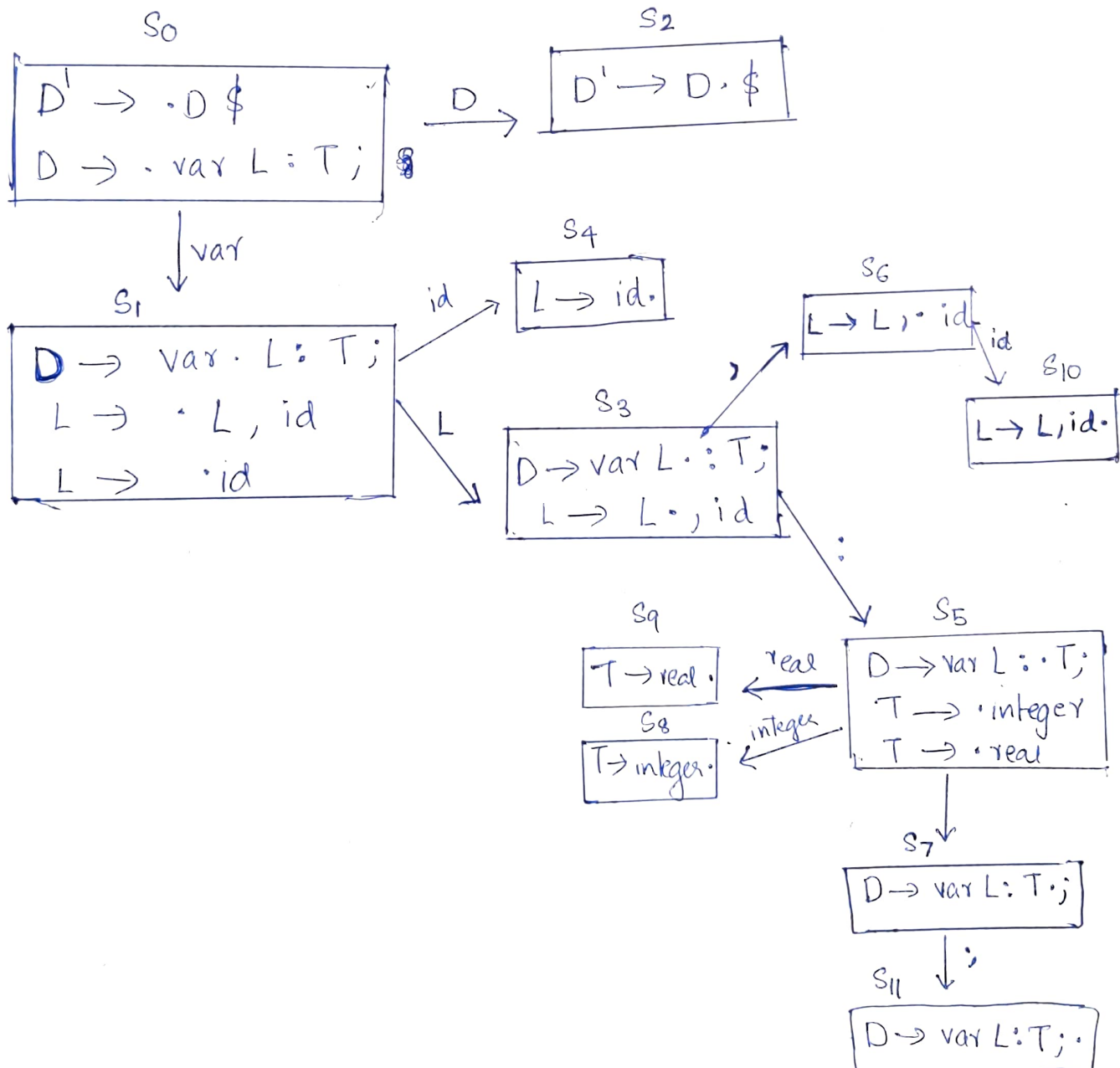T: $\{id, :, ;, ,, var, integer, real\}$

P:
$D \rightarrow var\ L : T; \$ \Rightarrow r_0$

$T \rightarrow integer \qquad \Rightarrow r_1$

$T \rightarrow real \qquad \Rightarrow r_2$

$L \rightarrow L, id \qquad \Rightarrow r_3$

$L \rightarrow id \qquad \Rightarrow r_4$

S_0

$D' \rightarrow \cdot D \$$

$D \rightarrow \cdot var\ L : T;$ $

$\xrightarrow{D}$

S_2

$D' \rightarrow D \cdot \$$

$\downarrow var$

S_1

$D \rightarrow var \cdot L : T;$

$L \rightarrow \cdot L, id$

$L \rightarrow \cdot id$

$\xrightarrow{id}$

S_4

$L \rightarrow id \cdot$

$\xrightarrow{L}$

S_3

$D \rightarrow var\ L \cdot : T;$

$L \rightarrow L \cdot , id$

S_6

$L \rightarrow L, \cdot id$

$\xrightarrow{id}$

S_{10}

$L \rightarrow L, id \cdot$

S_9

$T \rightarrow real \cdot$

$\xleftarrow{real}$

S_8

$T \rightarrow integer \cdot$

$\xleftarrow{integer}$

S_5

$D \rightarrow var\ L : \cdot T;$

$T \rightarrow \cdot integer$

$T \rightarrow \cdot real$

$\downarrow$

S_7

$D \rightarrow var\ L : T \cdot ;$

$\downarrow ;$

S_{11}

$D \rightarrow var\ L : T; \cdot$

	$	)	;	;	id	integer	real	var	D	L	T
S0								S1	2		
S1					S4					3	
S2	Accept										
S3		S6	S5								
S4	r4	r4	r4	r4	r4	r4	r4	r4			
S5						S8	S9				
S6					S10						
S7				S11							
S8	r1	r1	r1	r1	r1	r1	r1	r1			
S9	r2	r2	r2	r2	r2	r2	r2	r2			
S10	r3	r3	r3	r3	r3	r3	r3	r3			
S11	r0	r0	r0	r0	r0	r0	r0	r0			