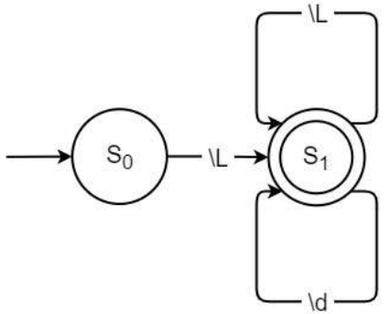
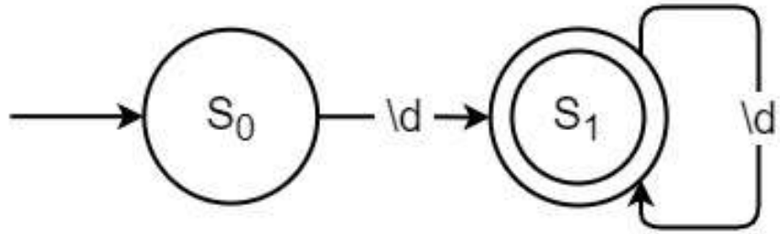
Identificador

L(D|L)*

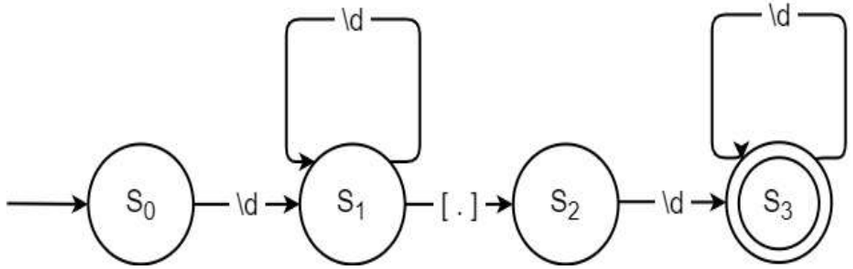
	L	D
S0	S1	---
S1	S1	S1



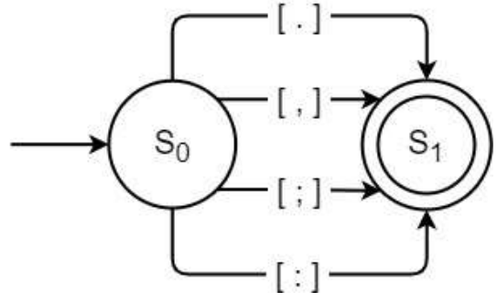
Número	
D+	
	D
S0	S1
S1	S1



Decimal		
[D+][.][D+]		
	D	.
S0	S1	---
S1	S1	S2
S2	S3	---
S3	S3	---



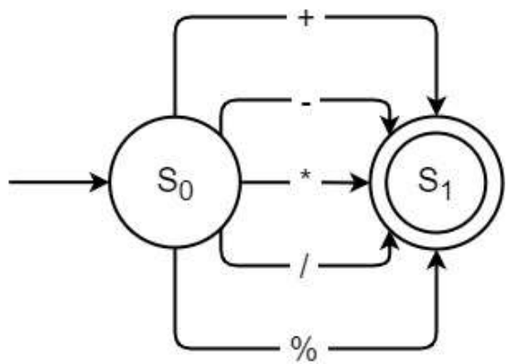
Puntuación				
([.] | [,] | [;] | [:])				
	.	,	;	:
S0	S1	S1	S1	S1



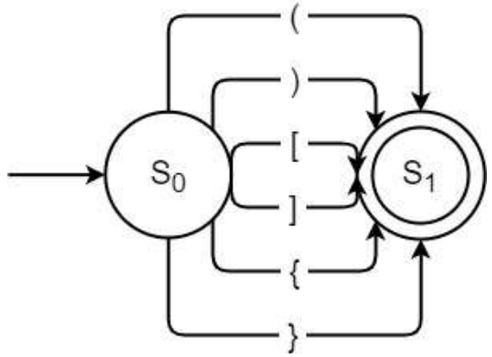
Operador

([+] | [-] | [*] | [/] | [%])

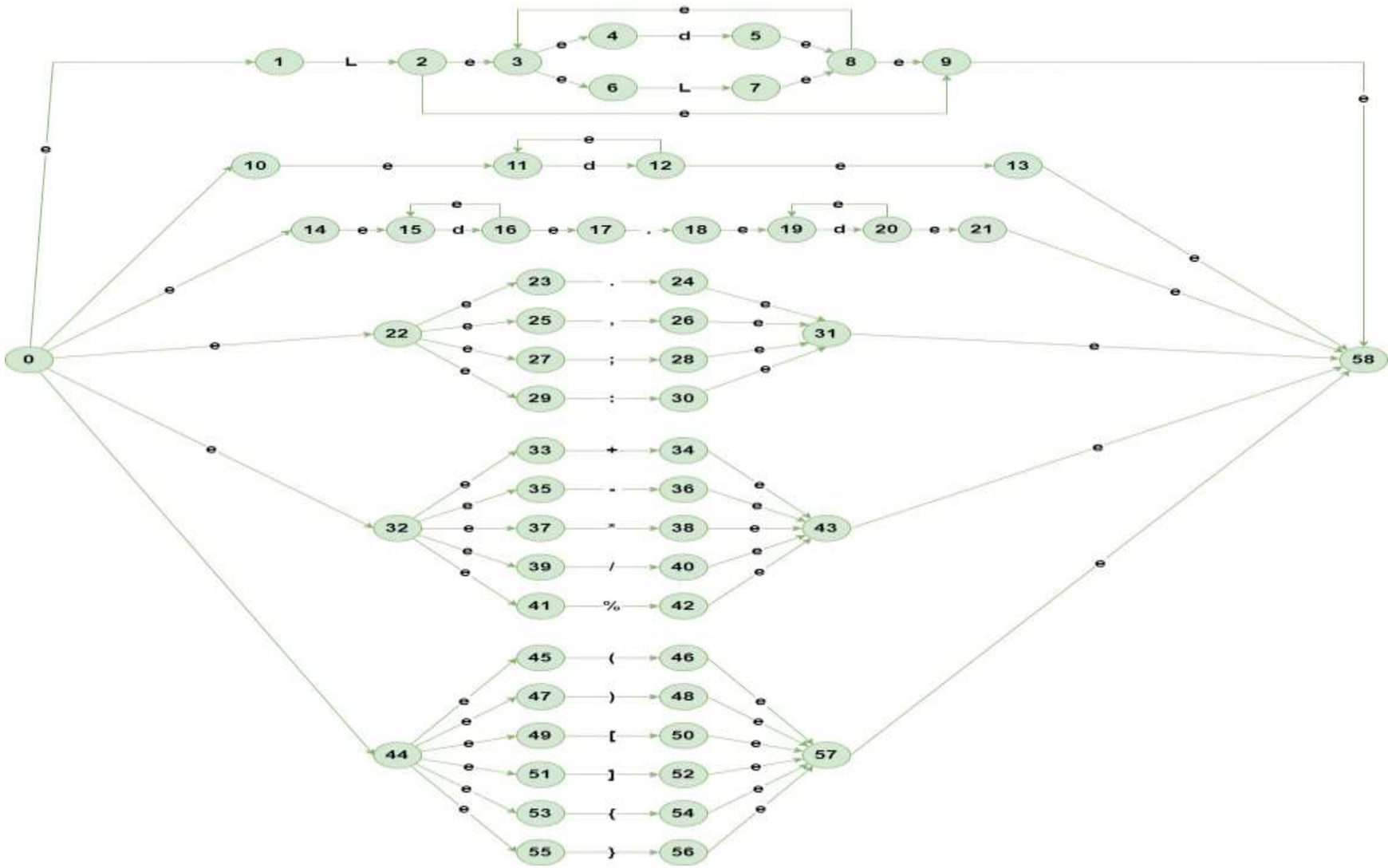
	+	-	*		/	%
S0	S1	S1	S1		S1	S1



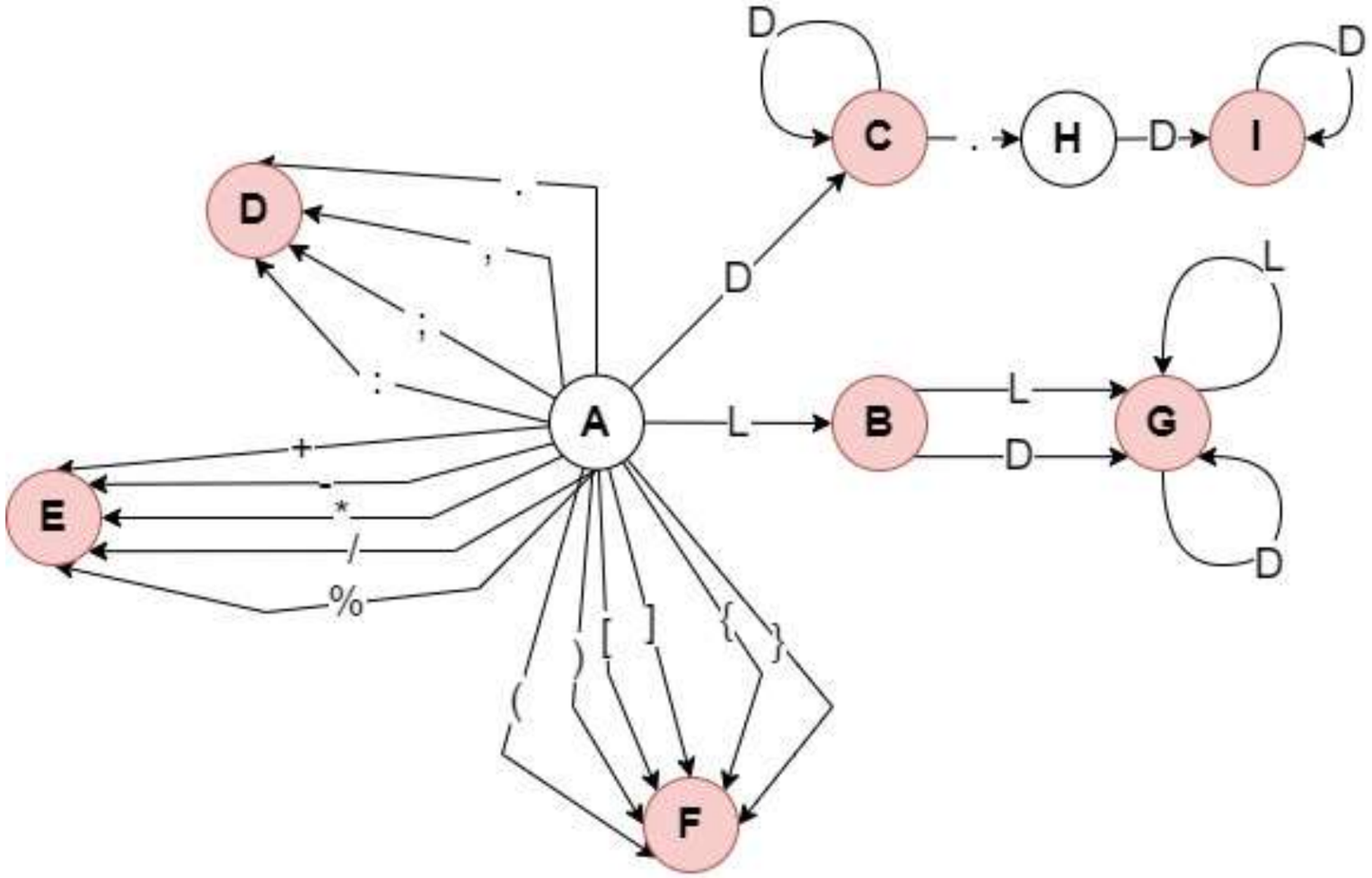
Agrupación						
'(' | ')' | '[' | ']' | '{' | '}'						
	(	)	[	]	{	}
S0	S1	S1	S1	S1	S1	S1



PRINCIPAL AUTOMATA



	€	L	D	.	,	;	:	+	-	*	/	%	(	)	[	]	{	}
0	A = 1,10,11,14,15,22,23,25,27,29,32,33,35,37,39,41,44,45,47,49,51,53,55	2 -> B	12,16 -> C	24 -> D	26 -> D	28 -> D	30 -> D	34 -> E	36 -> E	38 -> E	40 -> E	42 -> E	46 -> F	48 -> F	50 -> F	52 -> F	54 -> F	56 -> F
2	B = 3,4,6,9,**58**	7 -> G	5 -> G															
12,16	C = 11,13,15,17,**58**		12,16 -> C	18 -> H														
24	D = 31,**58**																	
26	D = 31,**58**																	
28	D = 31,**58**																	
30	D = 31,**58**																	
34	E = 43,**58**																	
36	E = 43,**58**																	
38	E = 43,**58**																	
40	E = 43,**58**																	
42	E = 43,**58**																	
46	F = 57,**58**																	
48	F = 57,**58**																	
50	F = 57,**58**																	
52	F = 57,**58**																	
54	F = 57,**58**																	
56	F = 57,**58**																	
7	G = 3,4,6,8,9,**58**	7 -> G	5 -> G															
5	G = 3,4,6,8,9,**58**	7 -> G	5 -> G															
18	H = 19		20 -> I															
20	I = 19,21,**58**		20 -> I															


D
C
.
H
D
I
D
D
,
;
:
A
D
L
B
L
G
L
D
D
+
-
*
/
%
E
(
)
[
]
{
}
F

	No aceptación	
	A	H
L	B	
D	C	I
.	**D**	
,	**D**	
;	**D**	
:	**D**	
+	**E**	
-	**E**	
*****	**E**	
/	**E**	
%	**E**	
(	**F**	
)	**F**	
[	**F**	
]	**F**	
{	**F**	
}	**F**	

Aceptación			
B	**C**	**G**	**I**
G		G	
G	C	G	I
	H		

	L	**D**	**.**	**,**	**;**	**:**	**+**	**-**	*****	**/**	**%**	**(**	**)**	**[**	**]**	**{**	**}**
A	B	C	**D**	**D**	**D**	**D**	**E**	**E**	**E**	**E**	**E**	**F**	**F**	**F**	**F**	**F**	**F**
B	G	G															
C		C	H														
G	G	G															
H		I															
I		I															

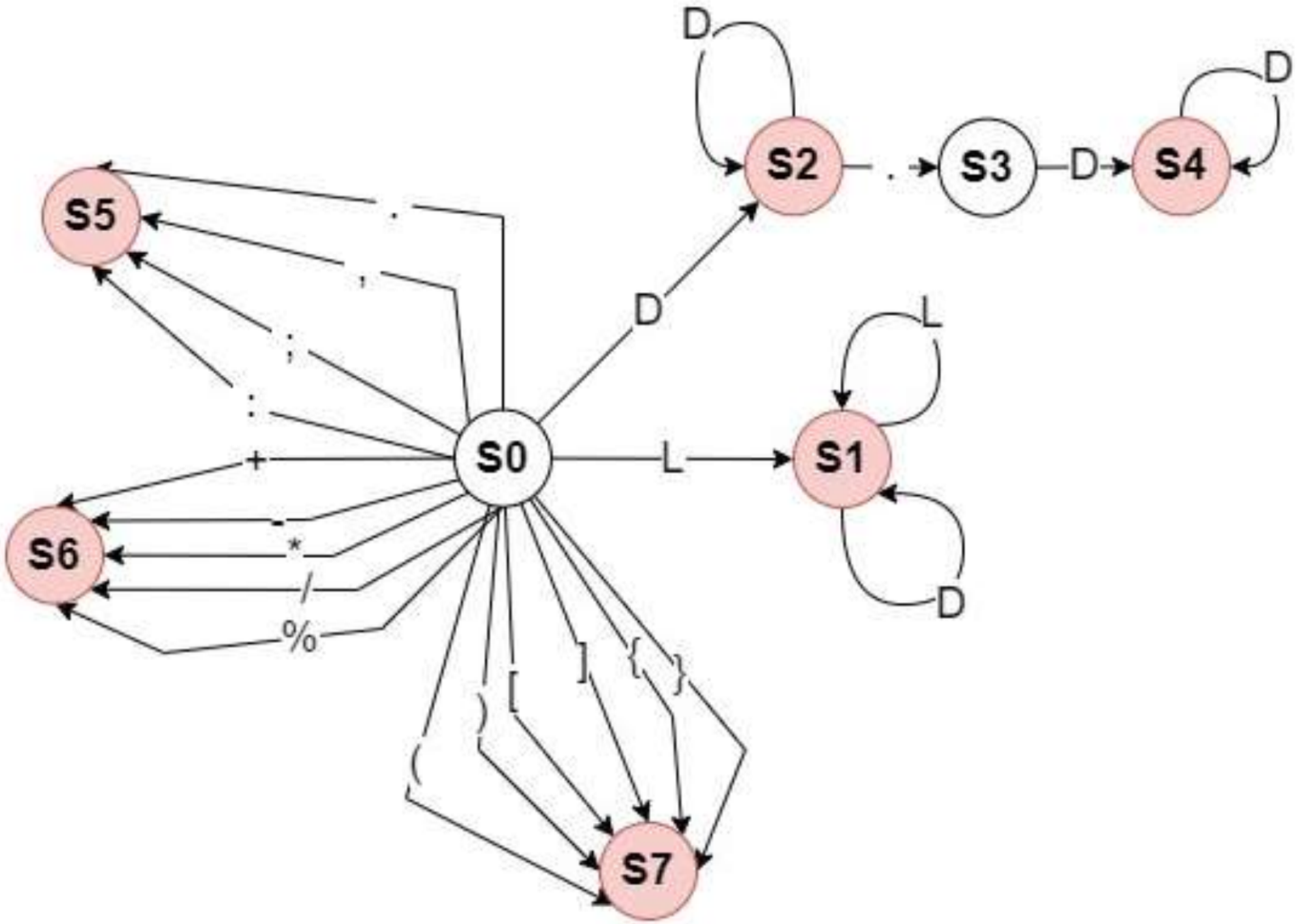
No aceptacion			aceptacion		
	S0={A}	S4={H}	S1={B,G}	S2={C}	S3={I}
L	S1		S1		
D	S2	S3	S1	S2	S3
.	S5			S4	
,	S5				
;	S5				
:	S5				
+	S6				
-	S6				
*	S6				
/	S6				
%	S6				
(	S7				
)	S7				
[	S7				
]	S7				
{	S7				
}	S7				

	L	D	.	,	;	:	+	-	*	/	%	(	)	[	]	{	}
S0	S1	S2	S5	S5	S5	S5	S6	S6	S6	S6	S6	S7	S7	S7	S7	S7	S7
S1	S1	S1															
S2		S2	S3														
S3		S4															
S4		S4															

FUNCION DE TRANSICION

$\boldsymbol{\delta(0, L) = 1}$	$\boldsymbol{\delta(0, '(') = 7}$
$\boldsymbol{\delta(0, D) = 2}$	$\delta(0, ')') = 7$
$\boldsymbol{\delta(0, '.') = 5}$	$\delta(0, '[') = 7$
$\boldsymbol{\delta(0, ',') = 5}$	$\delta(0, ']') = 7$
$\boldsymbol{\delta(0, ';') = 5}$	$\delta(0, '\{') = 7$
$\boldsymbol{\delta(0, ':') = 5}$	$\delta(0, '\}') = 7$
$\boldsymbol{\delta(0, +) = 6}$	$\delta(1, L) = 1$
$\boldsymbol{\delta(0, -) = 6}$	$\delta(1, D) = 1$
$\boldsymbol{\delta(0, *) = 6}$	$\delta(2, D) = 2$
$\boldsymbol{\delta(0, /) = 6}$	$\delta(2, '.') = 3$
$\boldsymbol{\delta(0, \%) = 6}$	$\delta(3, D) = 4$
	$\delta(4, D) = 4$

FORMA MÍNIMA DEL AFD



DEFINICION FORMAL

Conjunto de estados	**Q =** $\{S_0, S_1, S_2, S_3, S_4, S_5, S_6, S_7\}$			
Estado inicial	S_0			
Alfabeto	$\Sigma = \{L\ , D\ , .\ , ,\ , ;\ , :\ , +, -, *, /, \%, (\ ,)\ , \{\ , \}, [\ ,]\}$			
Estados de aceptación	$F = S_1, S_2, S_3, S_4, S_5, S_6, S_7$			
Función de Transición	$\delta(S_0\ , L) = S_1$	$\delta(S_0\ , +) = S_6$	$\delta(S_0\ , '(') = S_7$	$\delta(S_1\ , L) = S_1$
	$\delta(S_0\ , D) = S_2$	$\delta(S_0\ , -) = S_6$	$\delta(S_0\ , ')') = S_7$	$\delta(S_1\ , D) = S_1$
	$\delta(S_0\ , .) = S_5$	$\delta(S_0\ , *) = S_6$	$\delta(S_0\ , '[') = S_7$	$\delta(S_2\ , D) = S_2$
	$\delta(S_0\ , ,) = S_5$	$\delta(S_0\ , /) = S_6$	$\delta(S_0\ , ']') = S_7$	$\delta(S_2\ , .) = S_3$
	$\delta(S_0\ , ;) = S_5$	$\delta(S_0\ , \%) = S_6$	$\delta(S_0\ , '\{') = S_7$	$\delta(S_3\ , D) = S_4$
	$\delta(S_0\ , :) = S_5$		$\delta(S_0\ , '\}') = S_7$	$\delta(S_4\ , D) = S_4$