

División de ciencias de la ingeniería
Centro universitario de Occidente
Universidad de San Carlos de Guatemala

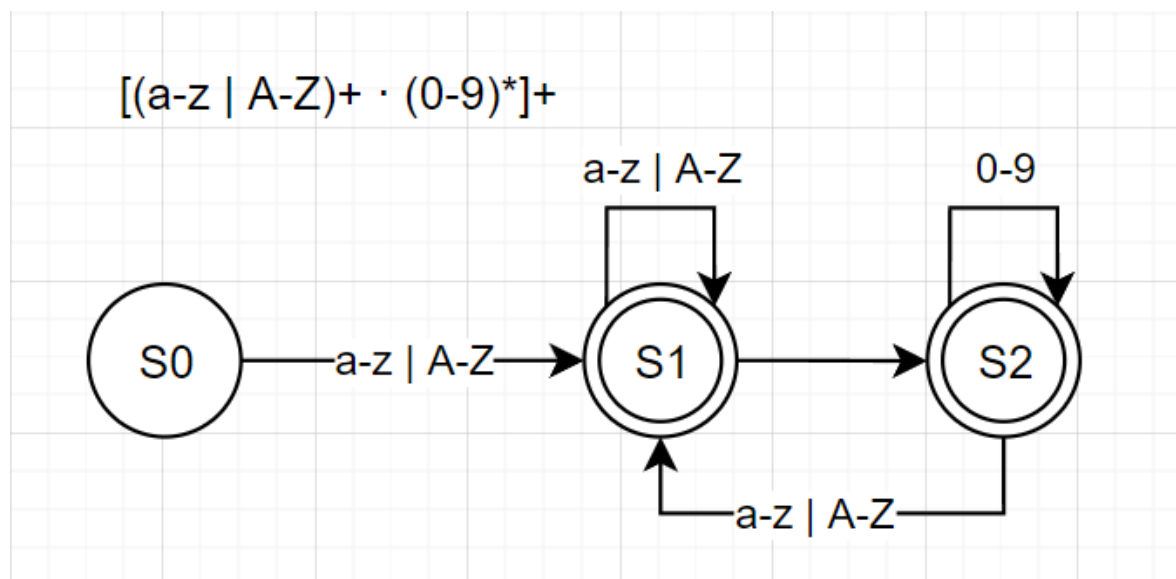


Primera practica
Analizador Léxico

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201931806

Cadena Alfanumérica



$Q = \{S0, S1, S2\}$

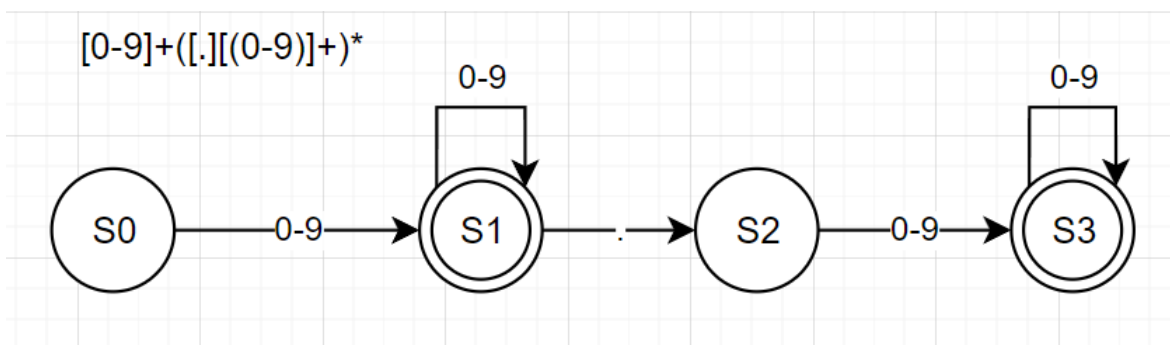
$S0 = \text{inicial}$

$\Sigma = \{a-z, A-Z, 0-9\}$

$F = \{S1, S2\}$

	A-Z	a-z	0-9
S0	S1	S1	Error
S1	S1	S1	S2
S2	S1	S1	S2

Cadena numérica (números enteros y decimales)



$Q = \{S0, S1, S2, S3\}$

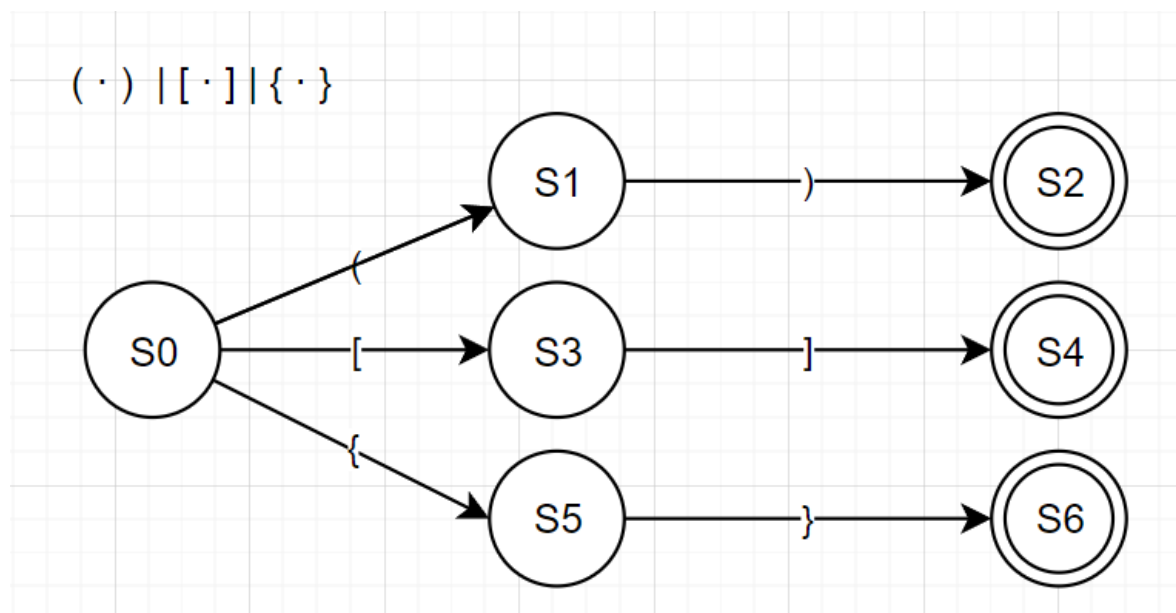
$S0$ = inicial

$\Sigma = \{0-9, [.]\}$

$F = \{S1, S3\}$

	0-9	.
S0	S1	Error
S1	S1	S2
S2	S3	Error
S3	S3	Error

Signos de agrupación:



$Q = \{S0, S1, S2, S3, S4, S6\}$

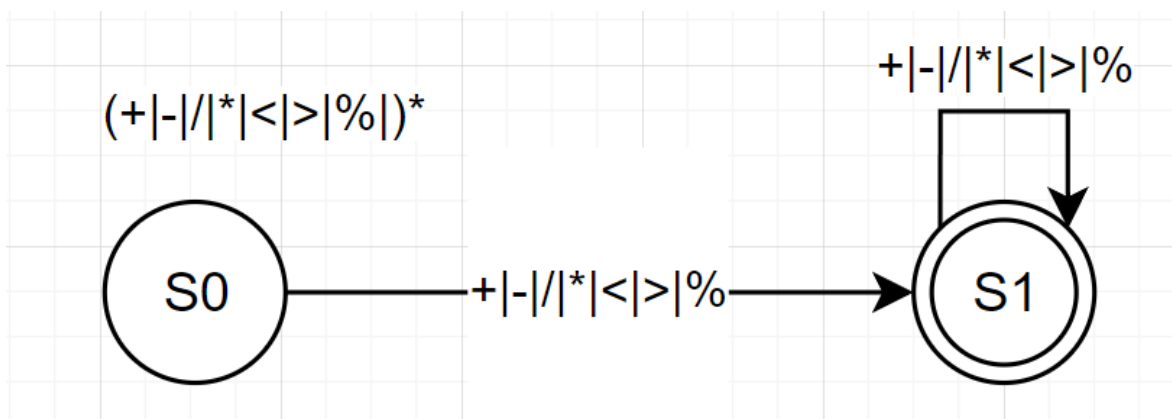
$S0 = \text{inicial}$

$\Sigma = \{ (,), [,], \{, \} \}$

$F = \{S2, S4, S6\}$

	()	[]	{	}
S0	S1	ERROR	S3	ERROR	S5	ERROR
S1	ERROR	S2	ERROR	ERROR	ERROR	ERROR
S2	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR
S3	ERROR	ERROR	ERROR	S4	ERROR	ERROR
S4	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR
S5	ERROR	ERROR	ERROR	ERROR	ERROR	S6
S6	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR

Operadores



$Q = \{S0, S1, S2, S3, S4, S6\}$

$S0 = \text{inicial}$

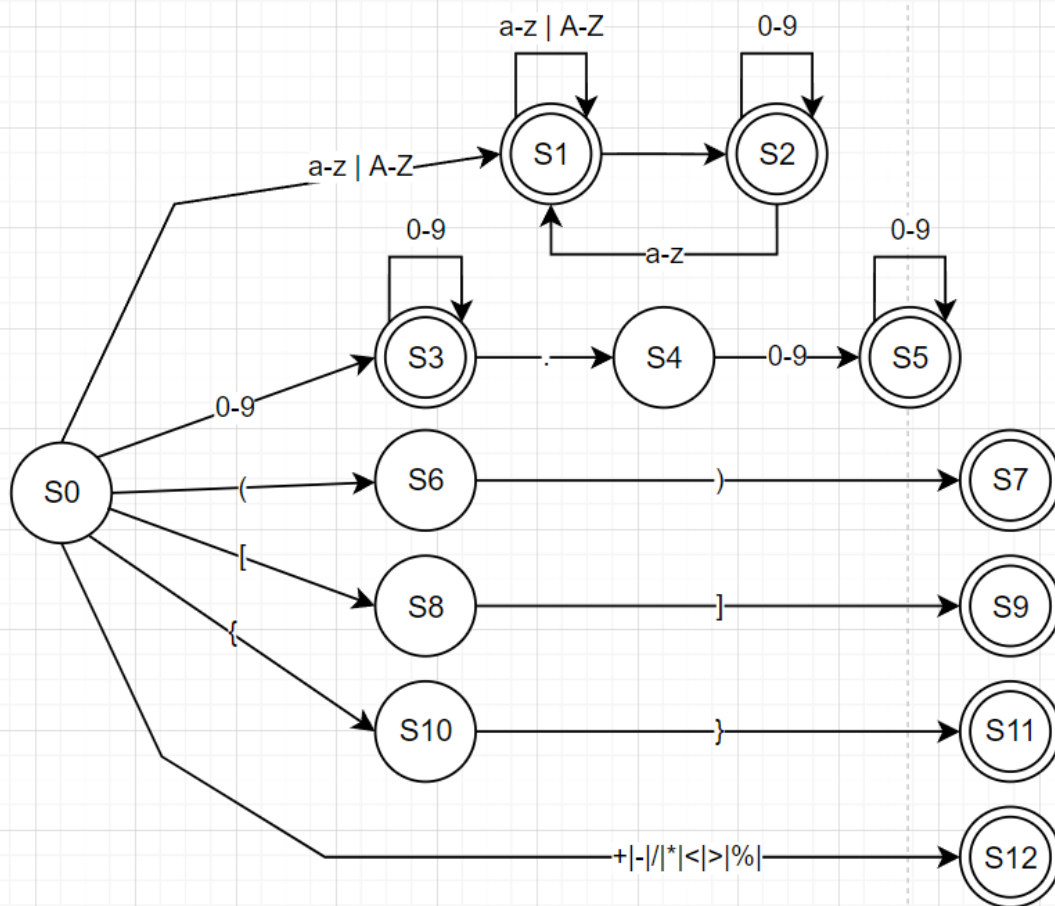
$\Sigma = \{+, -, /, *, <, >, \%\}$

$F = \{S2, S4, S6\}$

	+	-	/	*	<	>	%
S0	S1	S1	S1	S1	S1	S1	S1
S1	S1	S1	S1	S1	S1	S1	S1

Expresiones

`[(a-z | A-Z)+ · (0-9)*]+ | [0-9]+([.][0-9]+)* | [(· | · | {·})* | (+|-|/|*|<|>|%)*`


$$Q = \{S_0, S_1, S_2\}$$
$$\Sigma = \{a-z, A-Z, 0-9\}$$

S0 = inicial

$$F = \{S1, S2\}$$
[illegible]

