GRAMÁTICA REGULAR DE TOKEN 1 Identificador:

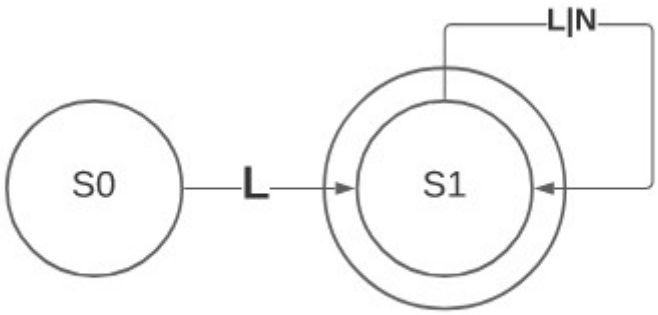
IDENTIFICADOR:

L=LETRA;

N=NÚMERO.

Expresión regular:

L[L|N]*



AFD Identificador
1. Q = {S0,S1}
2.S0
3. Σ={L,N}
4.F={S1}
5. función de transición:

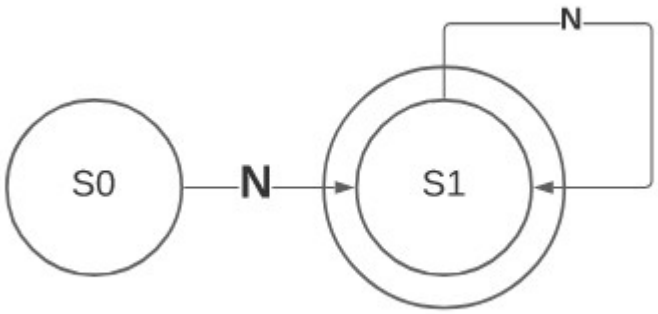
d(S0,L)=S1	d(S1,L)=S1
d(S1,N)=S1	

GRAMÁTICA REGULAR DE TOKEN 2; Números:

N=número

Expresión regular:

[N]+

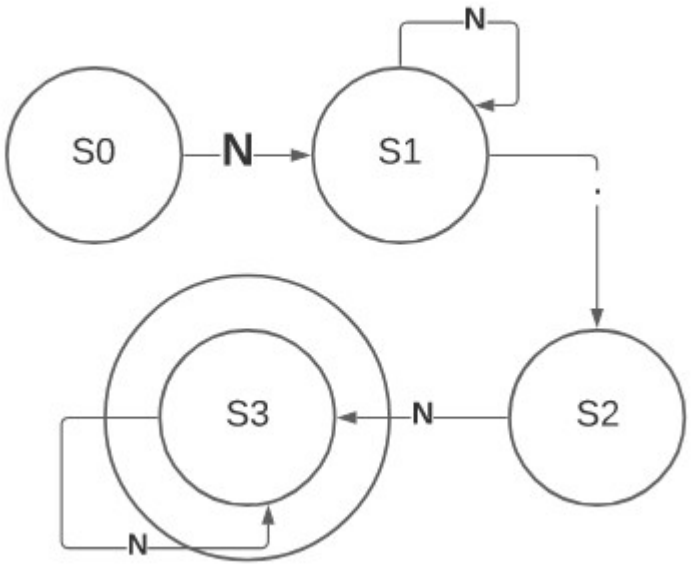


AFD:
1.Q={S0,S1}
2.S0
3.Σ={N}
4.F=S1
5. Función de transición

d(S0,N)=S1	d(S1,N)=S1

RAMÁTICA REGULAR DE TOKEN 3 Números decimales:

Expresión regular:
N=números (0-9)
[N]+[.][N]+



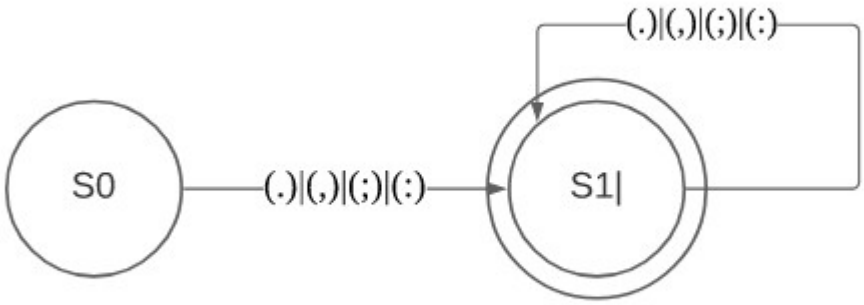
AFD

1) Q={S0,S1,S2,S3}
2) S0
3) Σ={N, .}
4) F=S3
5) Función transición:

d(S0,N)=S1	d(S1,N)=S1	d(S1, “.”)=S2
d(S2, N)=S3	d(S3,N)=S3	

GRAMÁTICA REGULAR DE TOKEN 4, Puntuación:

Expresión regular: **[(.)|(,)|(;)|(:)]+**



AFD

1.Q={S0,S1}

2.S0

3.Σ={“.”, “,” “;”, “:”}

4.F=S1

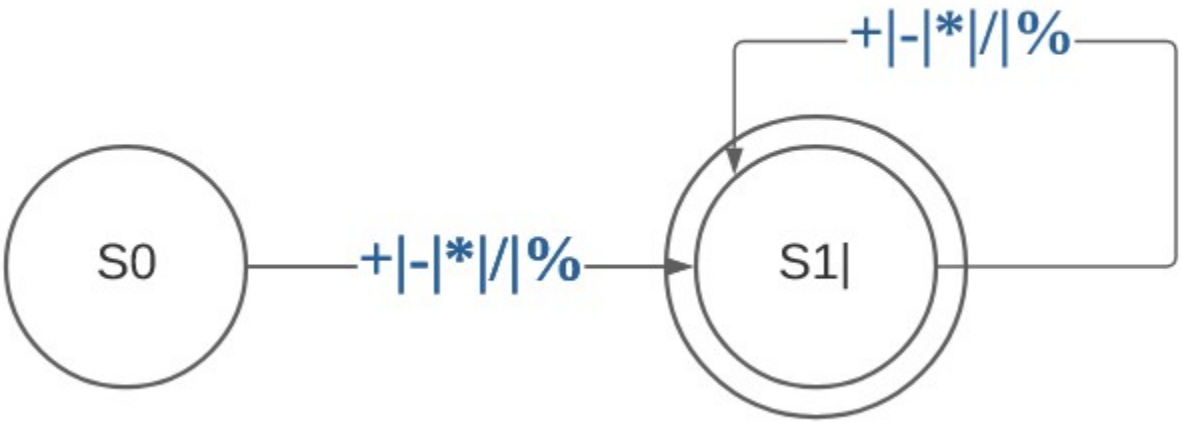
5.Función de Transición:

d(S0, “,”)=S1 d(S1, “,”)=S1	d(S0, “.”)=S1 d(S1, “.”)=S1	d(S0, “;”)=S1 d(S1, “;”)=S1	d(S0, “:”)=S1 d(S1, “:”)=S1

GRAMÁTICA REGULAR DE TOKEN 5; Operador:

Expresión regular:

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



AFD

1.Q={S0,S1}

2.S0

3.Σ={**+,-,*,/,%}**

4.F=S1

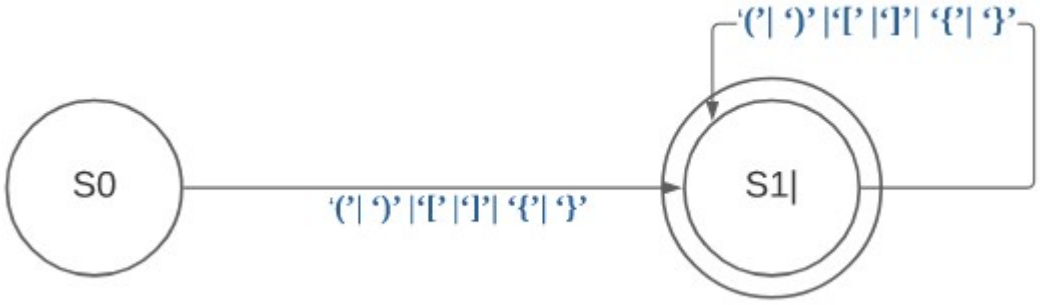
5.Función de Transición:

d(S0,+)=S1	d(S0,-)=S1	d(S0,*)=S1	d(S0,/)=S1	d(S0,%)=S1
d(S1,+)=S1	d(S1,-)=S1	d(S1,*)=S1	d(S1,/)=S1	d(S1,%)=S1

GRAMÁTICA REGULAR DE TOKEN 6; Agrupación:

Expresión regular:

[‘(’| ‘)’ |‘[’ |‘]’| ‘{’| ‘}’]+



AFD:

1.Q={S0,S1}

2.S0

3.Σ={**‘(’| ‘)’ |‘[’ |‘]’| ‘{’| ‘}’}**

4.F=S1

5.Función de transición:

d(S0, ‘(’)=S1	d(S0, ‘)’)=S1	d(S0, ‘[’)=S1	d(S0, ‘]’)=S1	d(S0, ‘{’)=S1	d(S0, ‘}’)=S1
d(S1, ‘(’)=S1	d(S1, ‘)’)=S1	d(S1, ‘[’)=S1	d(S1, ‘]’)=S1	d(S1, ‘{’)=S1	d(S1, ‘}’)=S1