

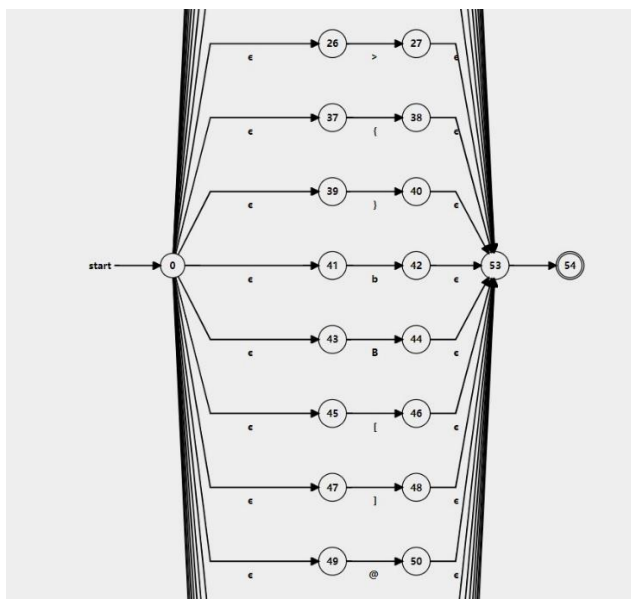
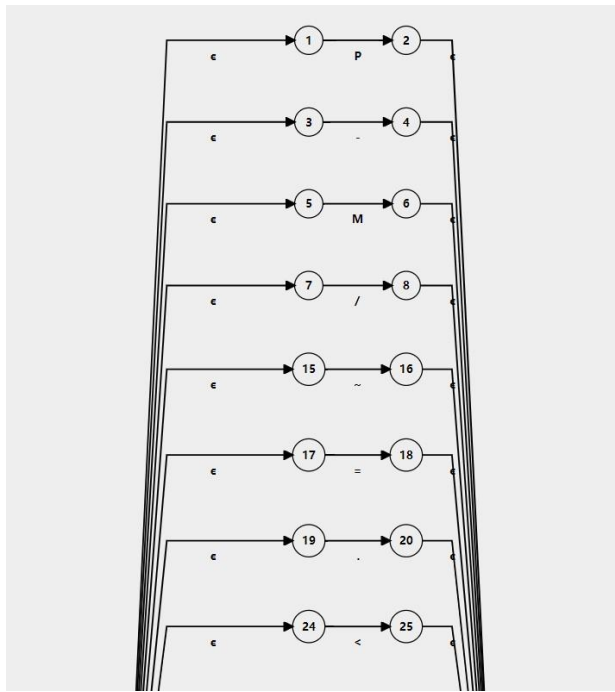
Compiler Scanner #2:

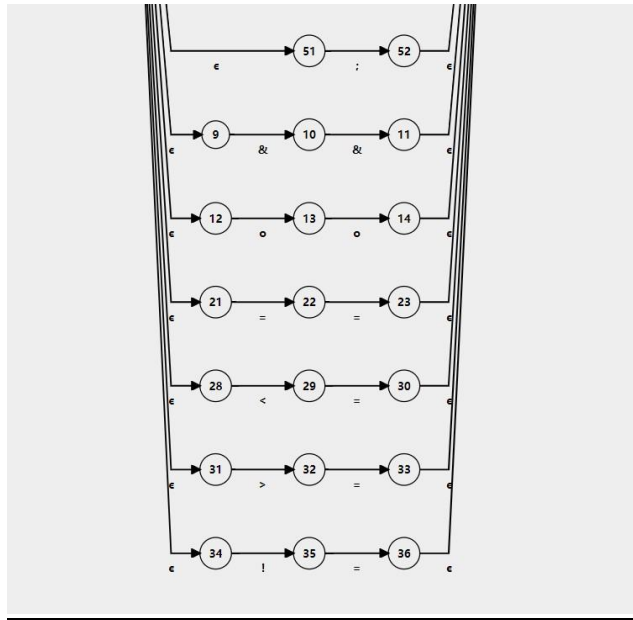
1-Symbols:

1.1-Symbols Regular Expression:

RE=(+|-|*|/|&&|~|oo|=|.|==|<|>|<=|>=|!=|{|}|(|)|[|]|,|@|;)

1.2-Symbols NFA:



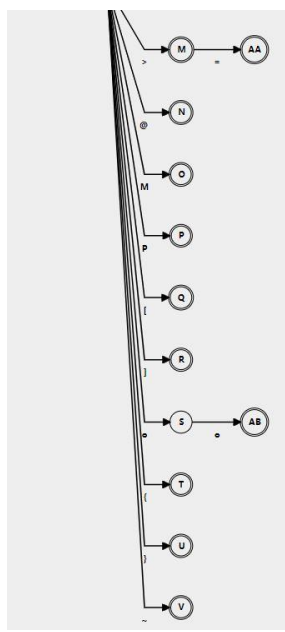
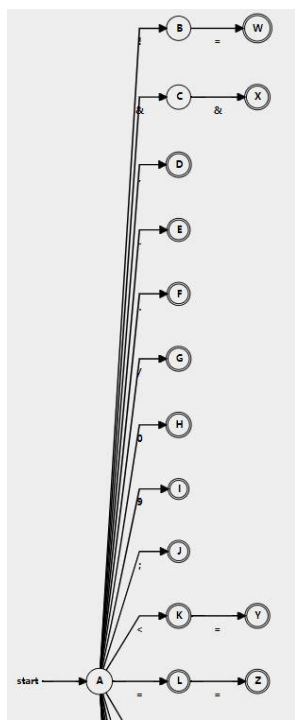


1.3-Symbols Transition table:

[illegible]

[illegible]

1.4-Symbols DFA:



2-Identifiers:

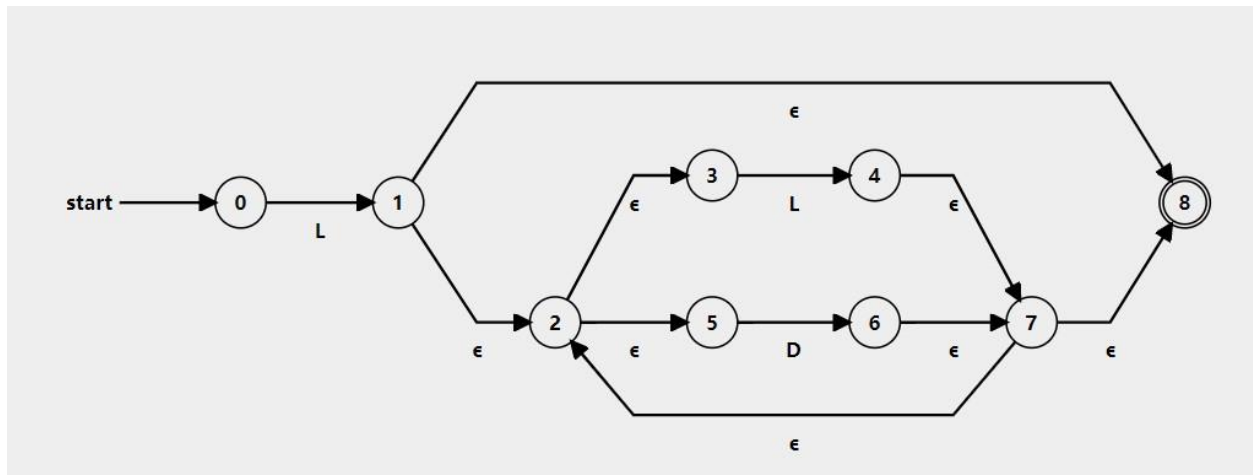
2.1-Identifiers Regular Expression:

$L = ([a-z] | [A-Z] | _)$

$D = [0-9]$

$RE = L(L | D)^*$

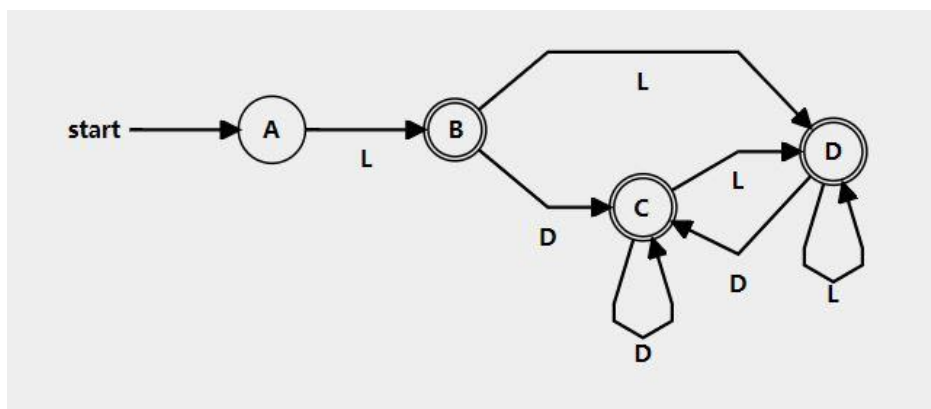
2.2-Identifiers NFA:



2.3-Identifiers Transition Table:

NFA STATE	DFA STATE	TYPE	D	L
{0}	A			B
{1,2,3,5,8}	B	accept	C	D
{2,3,5,6,7,8}	C	accept	C	D
{2,3,4,5,7,8}	D	accept	C	D

2.4-Identifiers DFA:



3-Keywords:

3.1-Keywords Regular Expression:

RE=(Divisio|InferedFrom|WhetherDo|Else|Ire|Sire|Clo|SetOfClo|FBU|SFBU|No
neValue|TerminateThisNow|RingWhen|BackedValue|STT|Check|CaseOf|Beginn
ing|End|Using)

3.2-Keywords NFA:



3.3-Keywords Transition Table:

NFA STATE	D F A S T A T E	T Y P E	=	B	C	D	E	F	G	H	I	N	O	R	S	T	U	V	W	a	c	d	e	f	g	h	i	k	l	m	n	o	r	s	t	u	v	w		
{0}	A		B																																					
{1,2,10,22, 32,37,41,4 6,50,59,63 ,68,78,95, 104,116,1 20,126,13 3,143,147}	B			C	D	E	F	G	H	I				J	K	L	M		N																					
{105,134}	C																			O			P																	
{47,121,12 7}	D																			Q						R			S											
{3}	E																									T														
{33,144}	F																											U		V										
{60}	G			W																																				
{11,38}	H																														X		Y							
{69}	I																															Z								
{96}	J																										A	A												
{42,51,64, 117}	K							A	B							A	C										A	E												
{79}	L																																							
{148}	M																																			A	G			
{23}	N																									A	H													
{106}	O																				A	I																		
{135}	P																									A	J													
{128}	Q																																			A	K			
{122}	R																							A	L															
{48}	S																																A	M						

{4}	T																			A N
{34}	U																	A O		
{145}	V									A P										
{61}	W							A Q												
{12}	X									A R										
{39}	Y									A S										
{70}	Z														A T					
{97}	A A														A U					
{65}	A B		A V																	
{118}	A C						A W													
{52}	A D																A X			
{43}	A E															A Y				
{80}	A F															A Z				
{149}	A G										B A									
{24}	A H								B B											
{107}	A I											B C								
{136}	A J										B D									
{129}	A K								B E											
{123}	A L							B F												
{49,153}	A M	a c c e p t																		
{5}	A N											B G								

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

3.4-Keywords DFA:

