

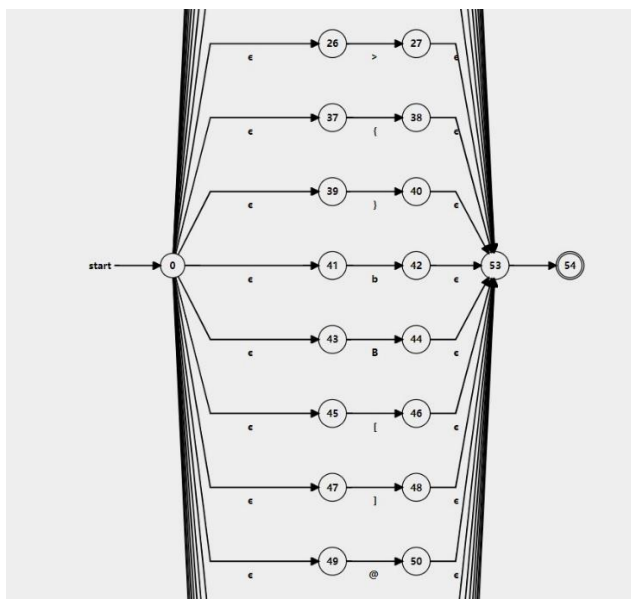
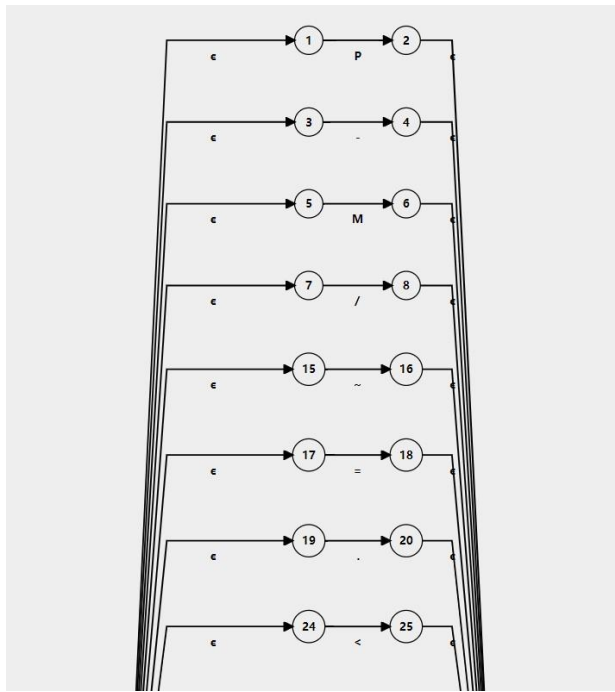
# Compiler Scanner #2:

## 1-Symbols:

### 1.1-Symbols Regular Expression:

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

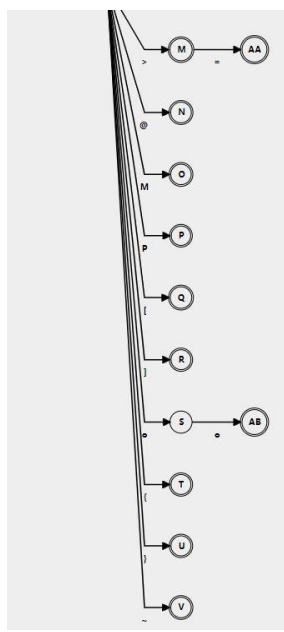
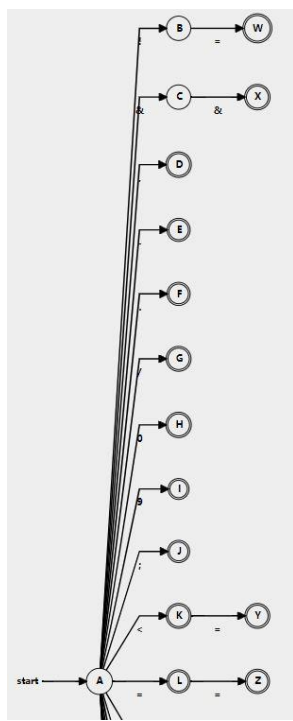
### 1.2-Symbols NFA:





[illegible]

### 1.4-Symbols DFA:



## 2-Identifiers:

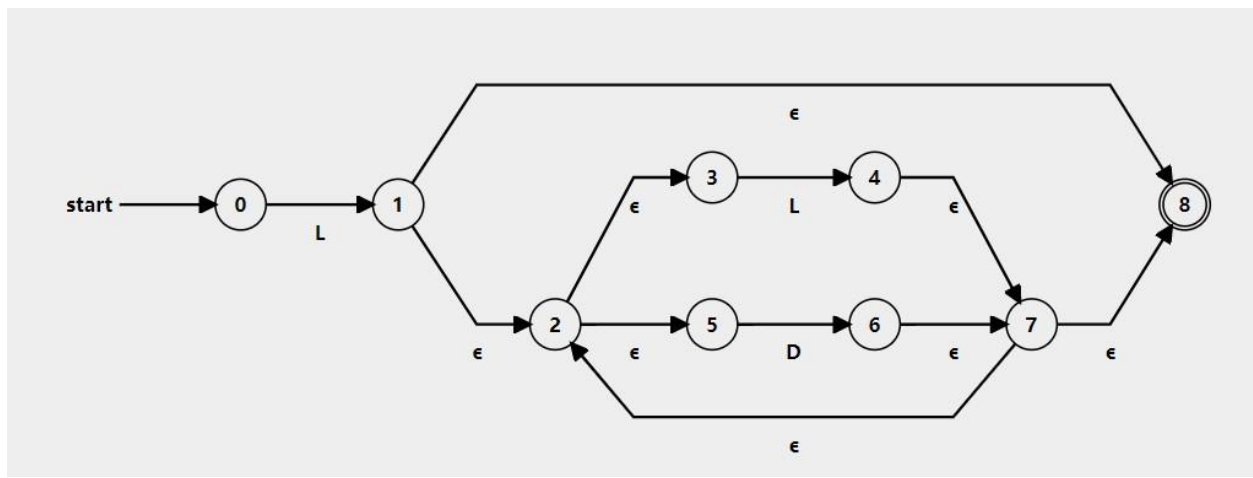
### 2.1-Identifiers Regular Expression:

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

$D = [0-9]$

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

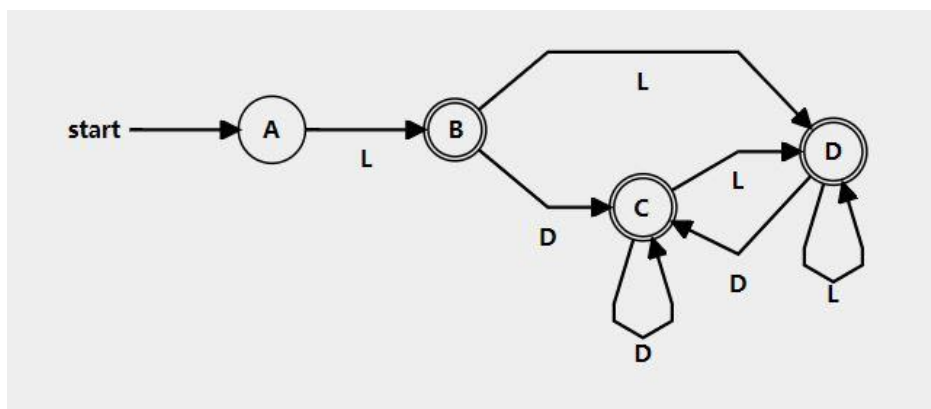
### 2.2-Identifiers NFA:



### 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																																					
{1,2,10,22,32,37,41,46,50,59,63,68,78,95,104,116,120,126,133,143,147}	B			C	D	E	F	G	H	I				J	K	L	M		N																					
{105,134}	C																		O			P																		
{47,121,127}	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	D		A	E											
{79}	L																							A	F															
{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						







[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

### 3.4-Keywords DFA:

