Identifier

RE = Letter (Letter | Digit)*   RE = [_a-zA-Z][_a-zA-Z-[0-9]+]+
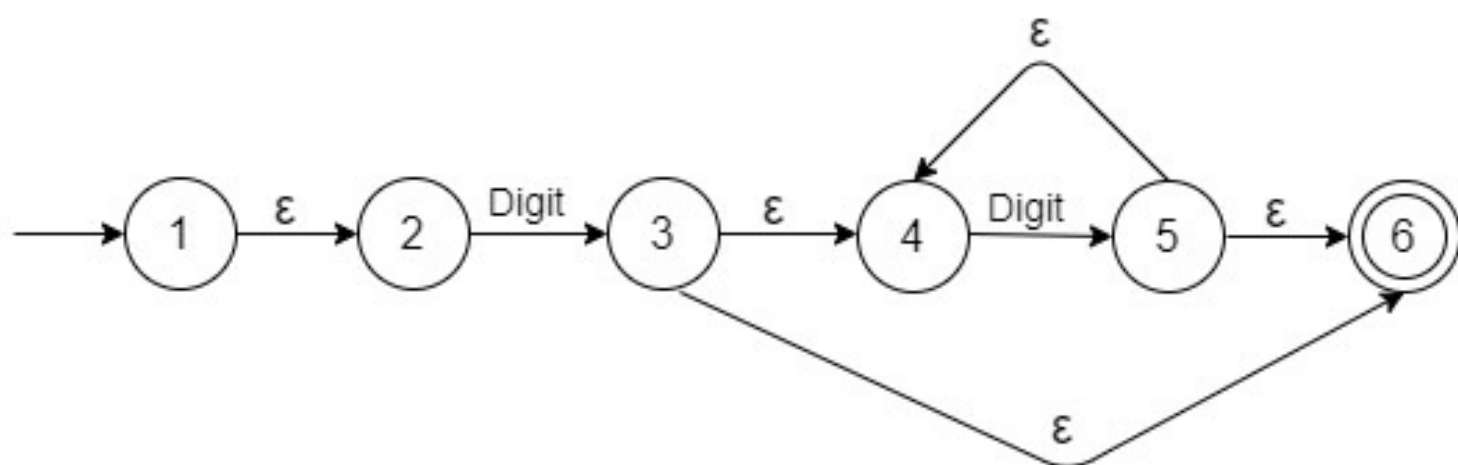
NFA:

DFA:
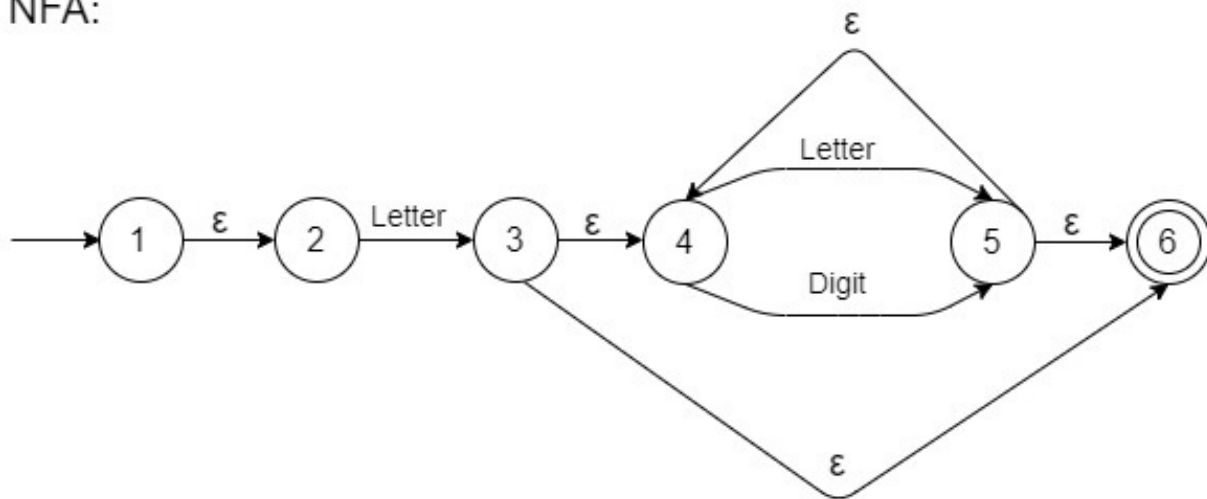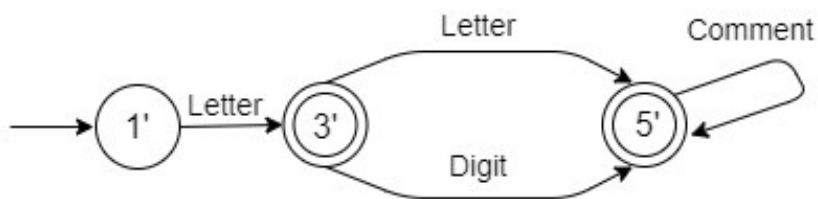
Transition Table		
	Letter	Digit
1'	3'	
3'	5'	5'
5'	5'	5'

Numbers

RE = Digit (Digit)*   RE = [0-9]+

NFA:

DFA:
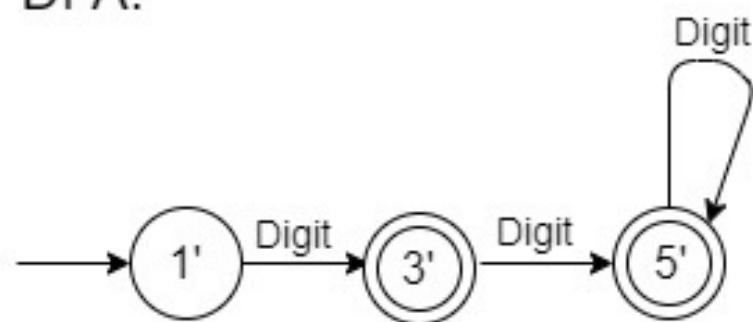
Transition Table	
	Digit
1'	3'
3'	5'
5'	5'

Multiple Line Comment

RE = /# (Comment)* #/

NFA:

DFA:
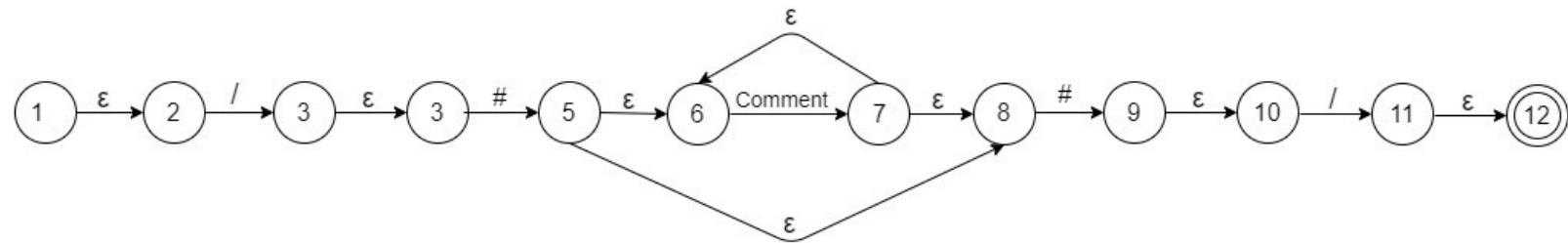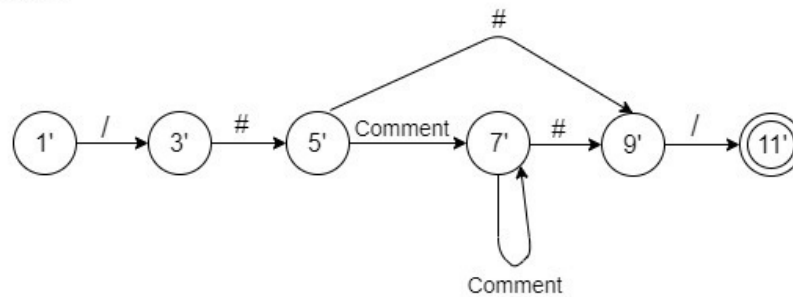
Transition Table			
	/	#	Comment
1'	3'		
3'		5'	
5'		9'	7'
7'		9'	7'
9'	11'		
11'	-	-	-

Single Line Comment

RE = /- (Comment)*

NFA:

DFA:
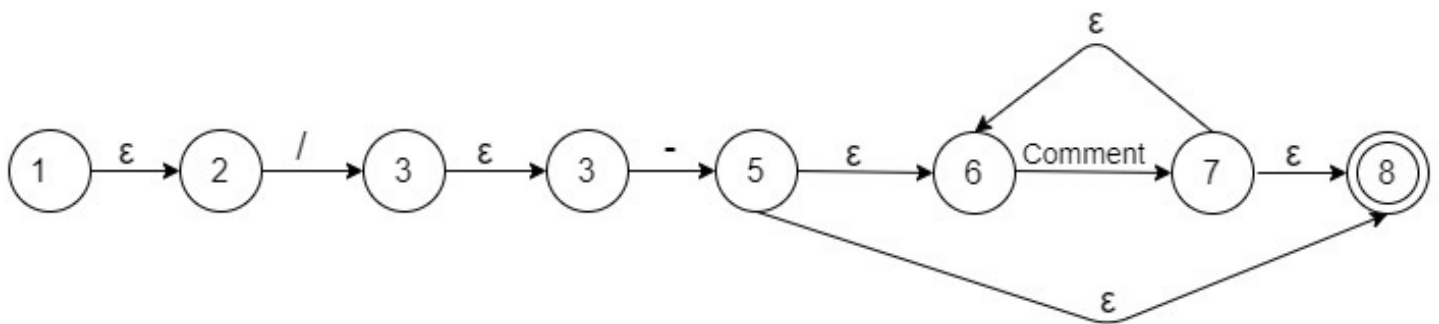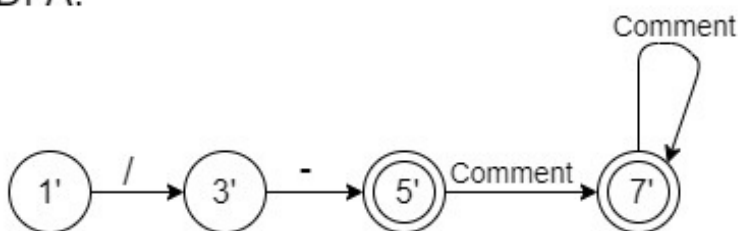
Transition Table			
	/	-	Comment
1'	3'		
3'	5'	5'	
5'			7'
7'			7'

Logical Operators

RE = [&& | ||| | ~]

NFA:

DFA:
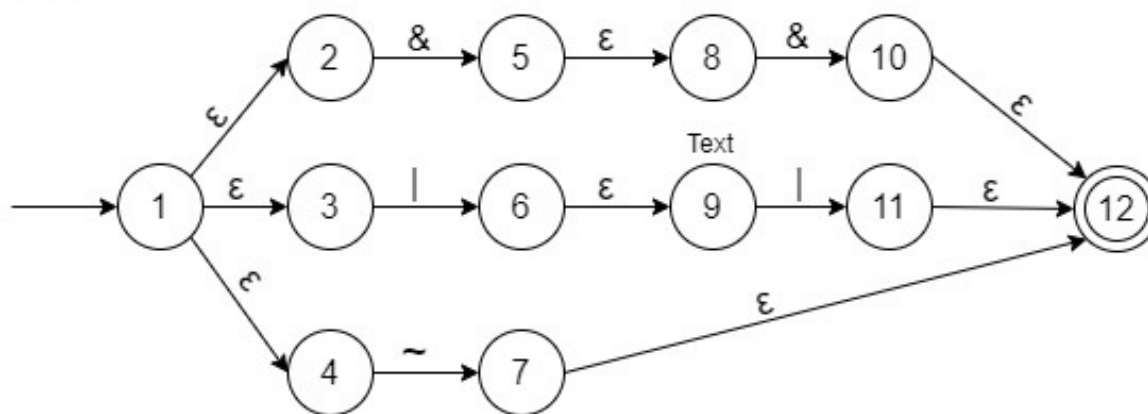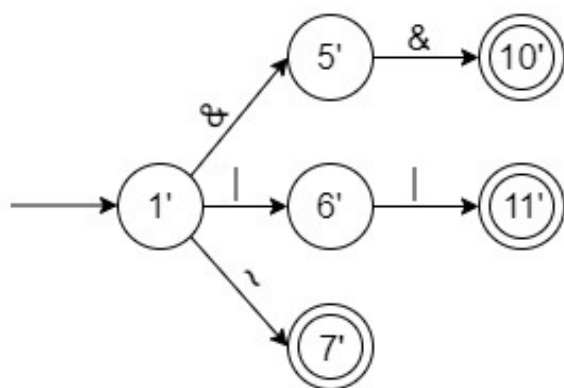
Transition Table			
	&	|	~
1'	5'	6'	7'
5'	10'		
6'		11'	
7'	-	-	-
10'	-	-	-
11'	-	-	-

Arithmetic Operators

RE = [+ | - | / | *]

NFA:

DFA:
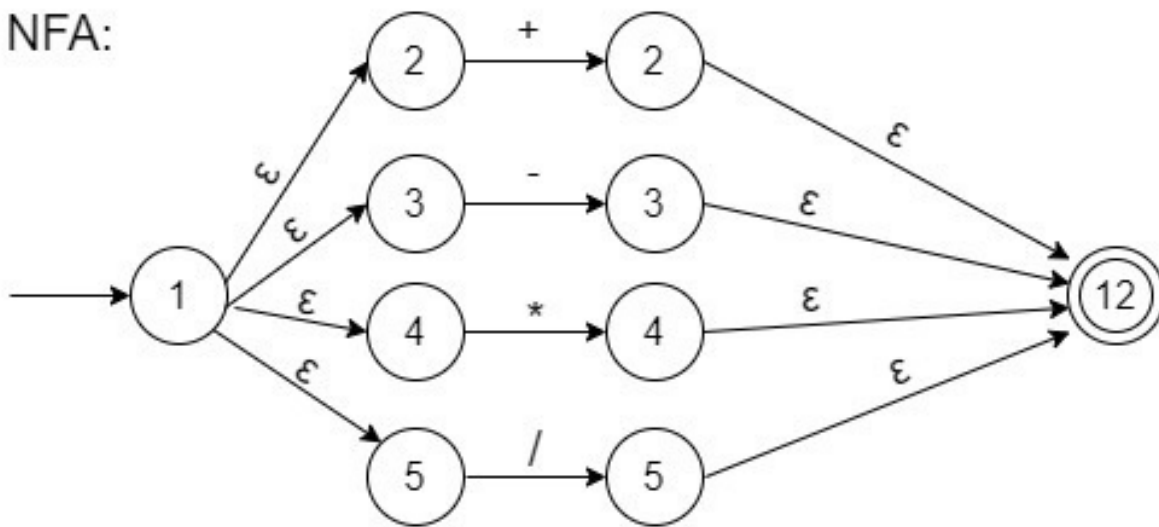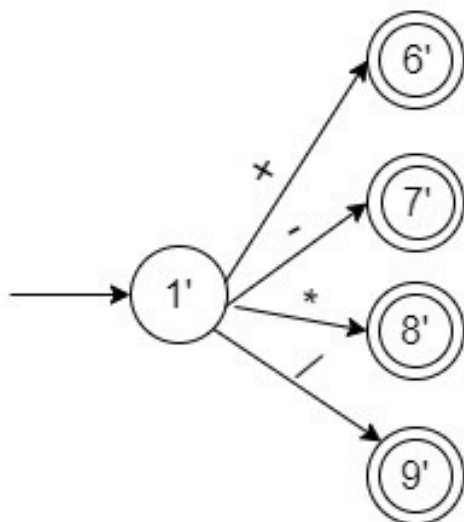
Transition Table				
	+	-	*	/
1'	6'	7'	8'	9'
6'	-	-	-	-
7'	-	-	-	-
8'	-	-	-	-
9'	-	-	-	-