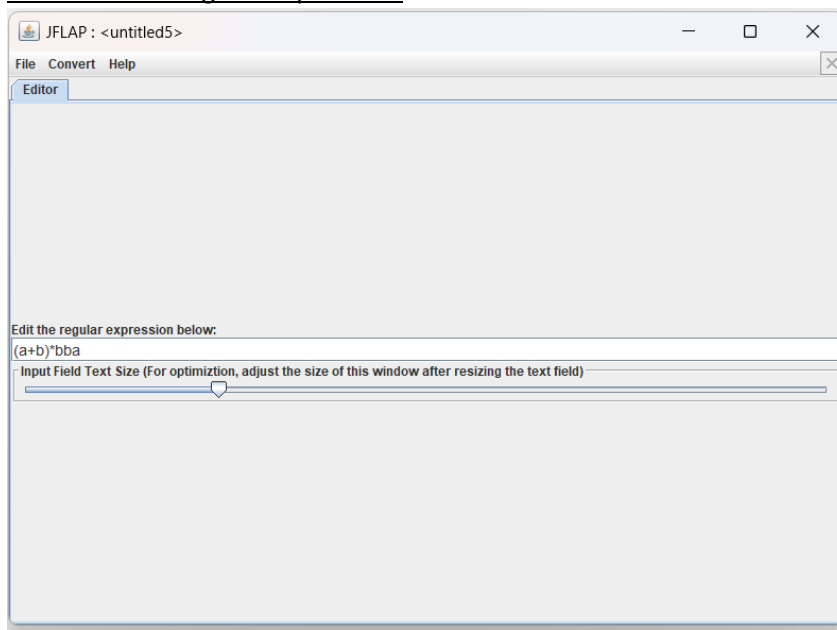


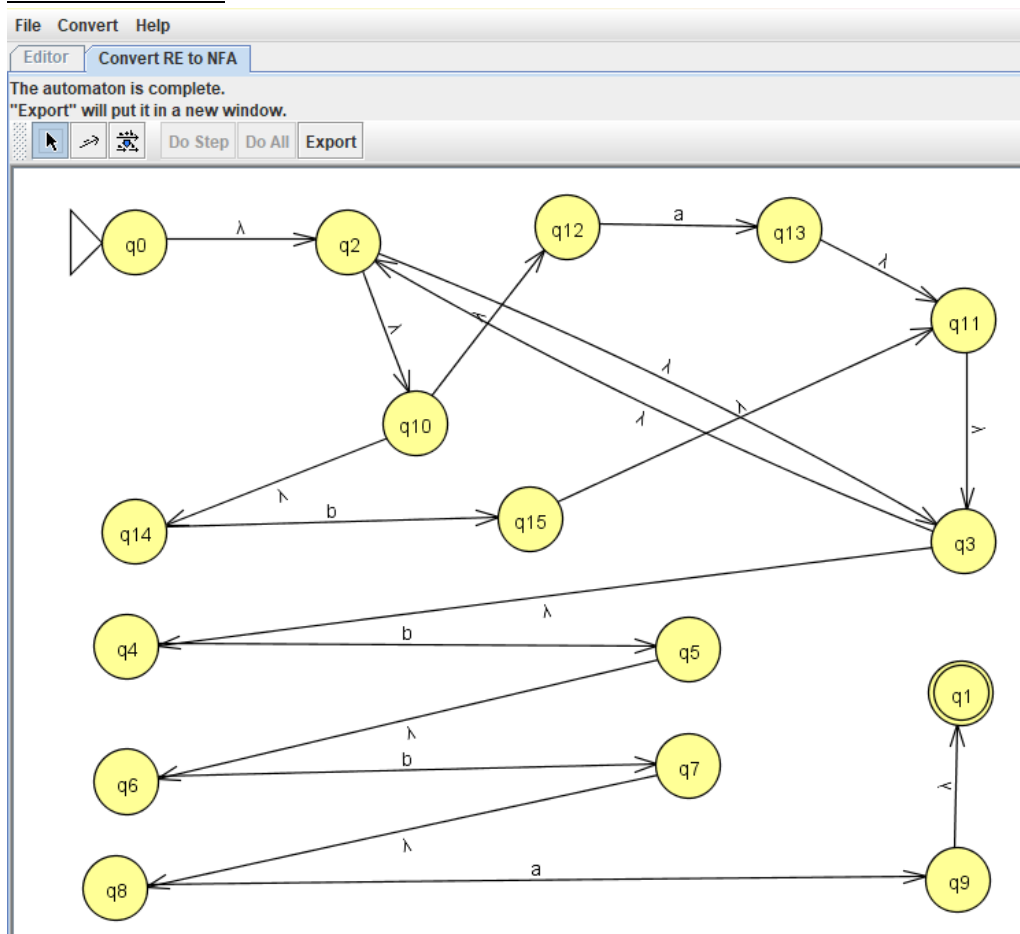
## DFA from Regular Expression:-

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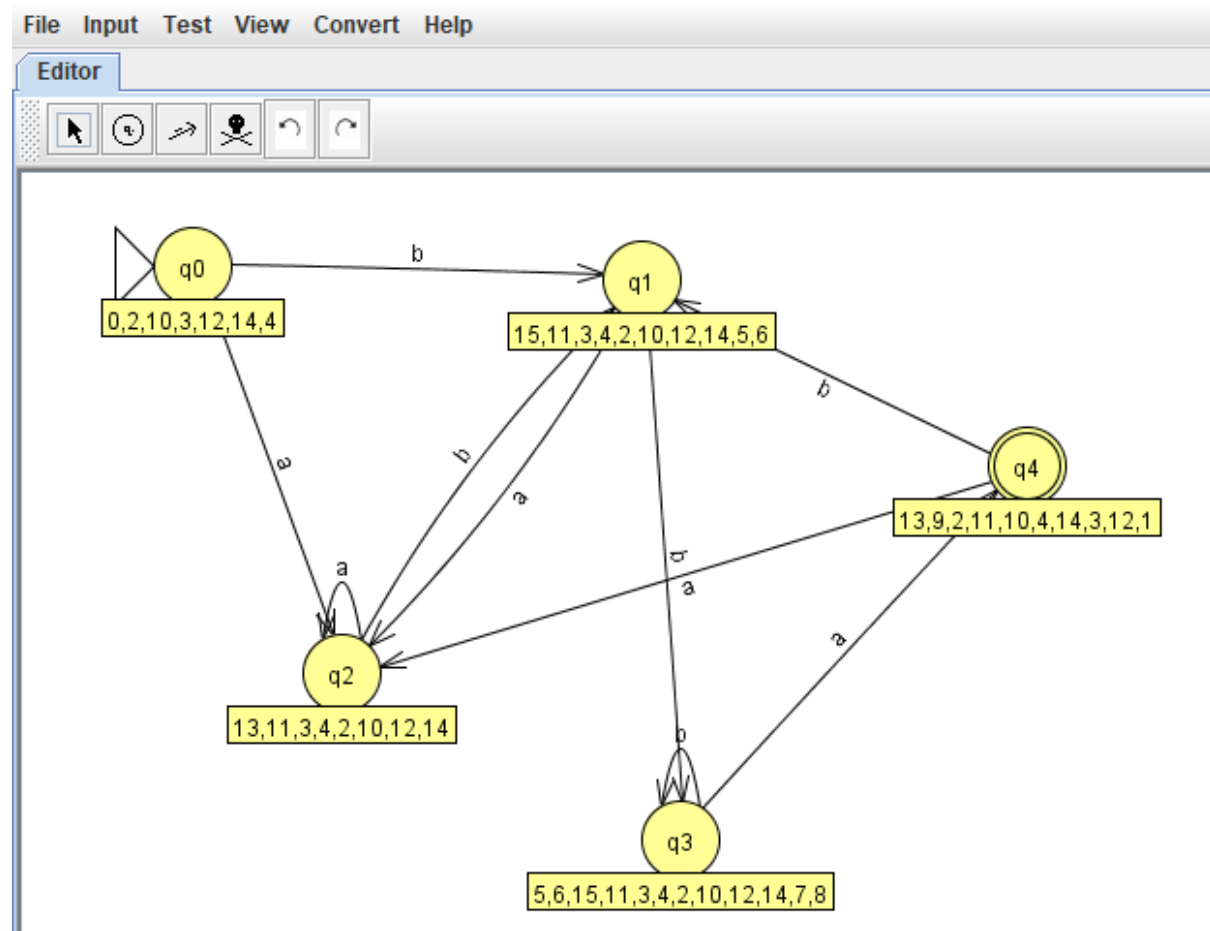
### STEP 1- Enter Regular Expression



### STEP 2- RE to NFA



### STEP 3- NFA to DFA



SLR(1) parse table for a given grammar:-

### STEP 1- Insert Grammar

JFLAP : <untitled2>

File Input Test Convert Help

Editor

Table Text Size

LHS		RHS
E	$\rightarrow$	E+T
E	$\rightarrow$	T
T	$\rightarrow$	T*F
T	$\rightarrow$	F
F	$\rightarrow$	(E)
F	$\rightarrow$	a
	$\rightarrow$	Aryan Kothari 22CB1021

## STEP 2- Creating SLR (1) PARSING TABLE

JFLAP : <untitled2>

File Input Test Convert Help

Editor Build SLR(1) Parse

Do Selected Do Step Do All Next Parse

Table Text Size

Parse table complete. Press "parse" to use it.

	FIRST	FOLLOW
E'	{ a, ( }	{ \$, ), + }
E	{ a, ( }	{ \$, ), *, + }
F	{ a, ( }	{ \$, ), *, + }
T	{ a, ( }	{ \$, ), *, + }

	(	)	*	+	a	\$	E	F	T
0	s1				s5		2	3	4
1	s1				s5		6	3	4
2				s7		acc			
3		r4	r4	r4		r4			
4		r2	s8	r2		r2			
5		r6	r6	r6		r6			
6		s9		s7					
7	s1				s5			3	10
8	s1				s5			11	
9		r5	r5	r5		r5			
10		r1	s8	r1		r1			
11		r3	r3	r3		r3			

Table Text Size

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## STEP 3- Create PARSE TREE

JFLAP : <untitled2>

File Input Test Convert Help

Editor Build SLR(1) Parse SLR(1) Parsing

Table Text Size

Start Step Noninverted Tree

Input a\*a+a

Input Remaining \$

Stack E0

Input Field Text Size (For optimization, move one of the window size adjusters around this window a...)

LHS	RHS
E'	→ E
E	→ E+T
E	→ T
T	→ T*F
T	→ F
F	→ (E)
F	→ a

String accepted