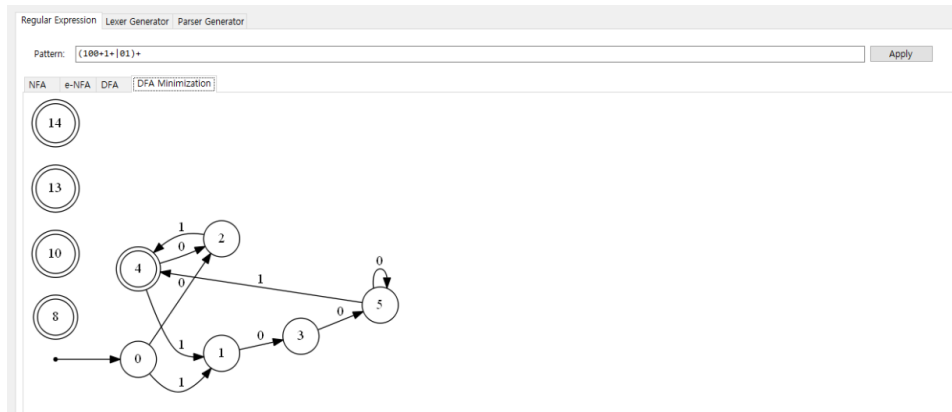


Lab Terminal
Fa20-bcs-009
Maryam Amjad

Q3:Two input along with output.

[Re to DFA Minimization Input Output](#)



[Lexical Analyzer Generator:](#)

Lexer Definition:

```
[ \r\n ] => ""
; => end
\+ => plus
\- => minus
\* => multiple
\/ => divide
\[ => op_open
\] => op_close
[_$a-zA-Z][_ $a-zA-Z0-9]* => id
[0-9]+(\.[0-9]+)?[Ee][+-]?[0-9]+ => num
[0-9]+(\.[0-9]+)? => num
```

Generate!

2-(3+5);
2+(6*3);
(3+2)*2+5;
2.0E+2+0.5;
5+10

Test!

Status:

```
end, ;
num, 2
plus, +
op_open, (
num, 6
multiple, *
num, 3
op_close, )
end, ;
op_open, (
num, 3
plus, +
num, 2
op_close, )
multiple, *
num, 2
plus, +
num, 5
end, ;
num, 2.0E-2
plus, +
num, 0.5
end, ;
num, 5
plus, +
num, 10
,
----- End Lexing -----
```