

MUHAMMAD SHAHZAIB SHAHEEN

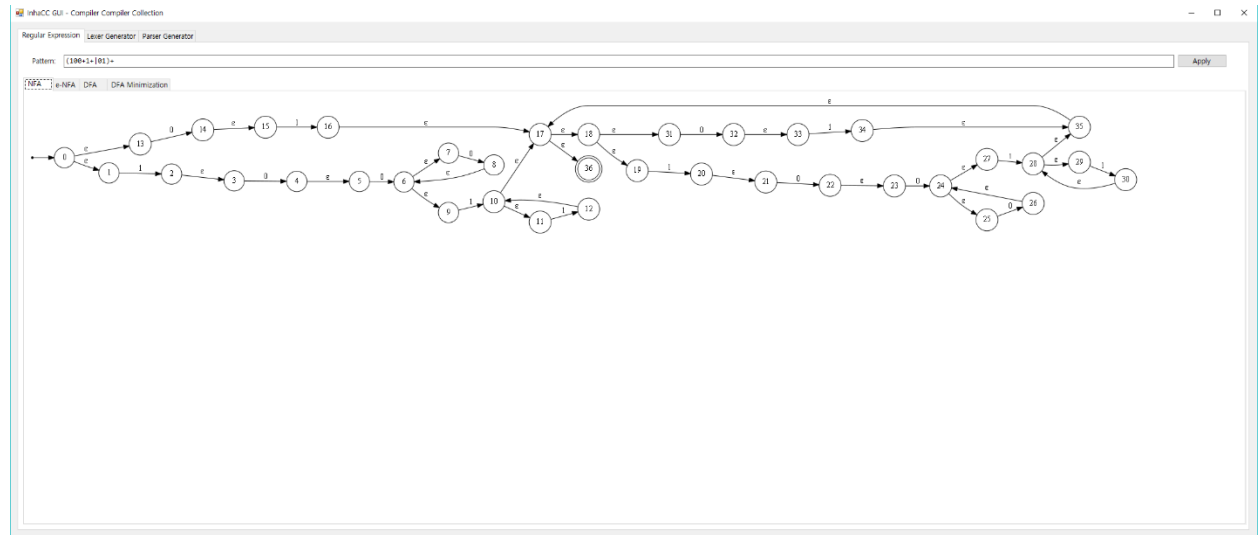
FA20-BCS-040

Q3: WRITE TWO INPUTS ALONG WITH OUTPUT.

1. Building NFA Input:

$(100+1+|01)^+$

OUTPUT:



2. Lexical Analyzer Generator Input:

```
[\\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
```

OUTPUT:

