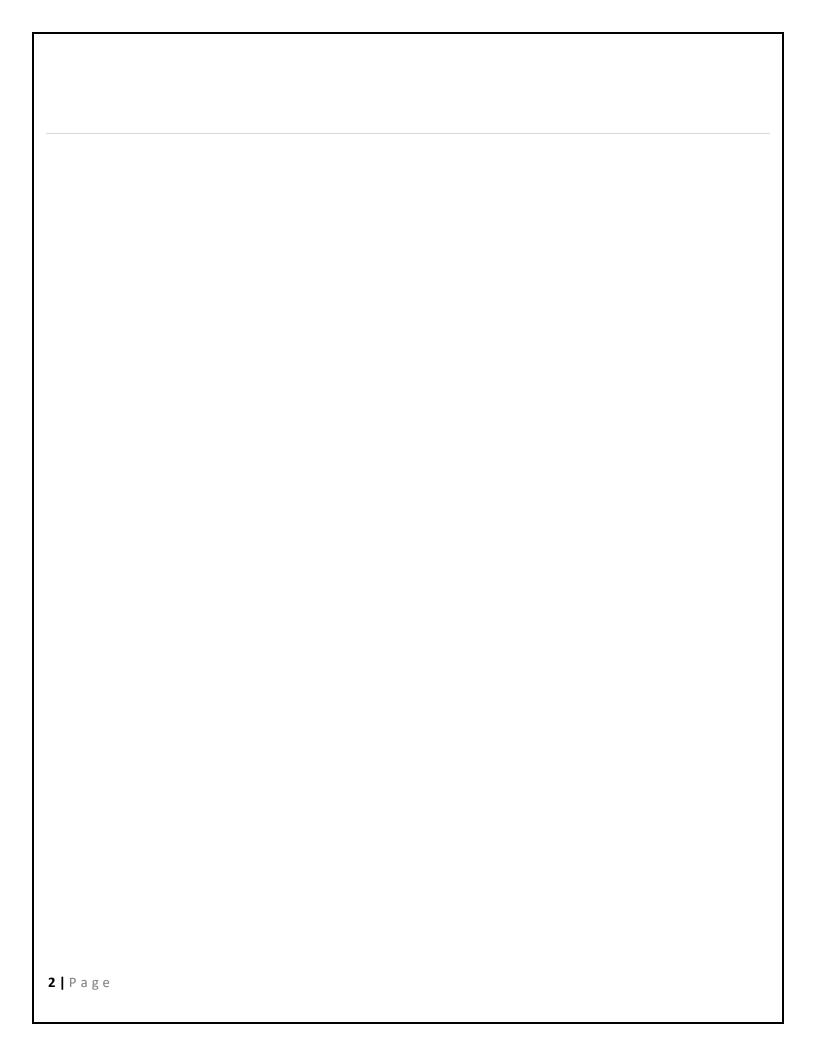
# CS 419 Compiler Project Form

**Project Idea: Project 1** 

**Team Members NO#: 22** 

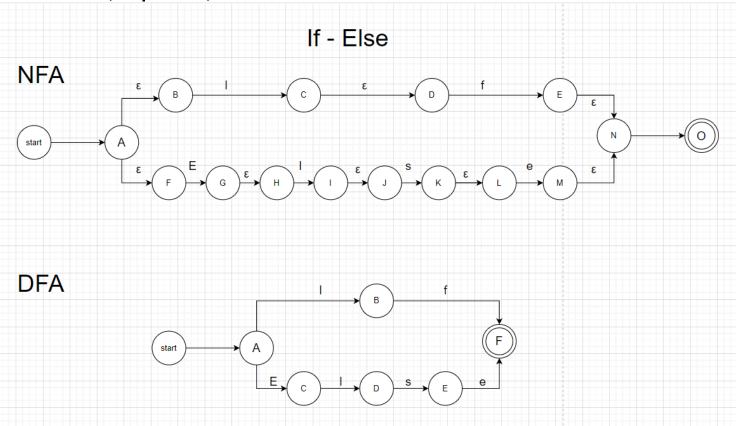
ID	Name	Level & Depart ment	Section (Day - from -to)	Role (Lead/Member)	Grade
201900129	اسراء علي عبد القادر	3 & CS	الاربع من 10-12		
				Leader	
201900010	ابر اهيم محمد السادات	3 & CS	الاربع من 10-12		
	,			Member	
201900034	احمد رجب نفادی احمد	3 & CS	الاربع من 10-12		
				Member	
201900347	سلمي خالد محمد الصاوي	3 & CS	الاربع من12-2		
				Member	
201900883	مینا میلاد جرجس حنین	3 & CS	الاربع من 2-4		
				Member	
201900156	اشرقت محمد ابو العلا محمد	3 & CS	الأربع من 10-12		
				Member	
201900212	اية وحيد محمد فرج	3 & CS	الأربع من 12-2		
				Member	



### Regular Expression, Finite automata and Conversion from RegX to NFA, NFA to DFA

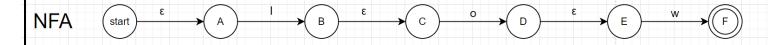
If – Else

RE: (If | Else)



#### Iow RE: (Iow)

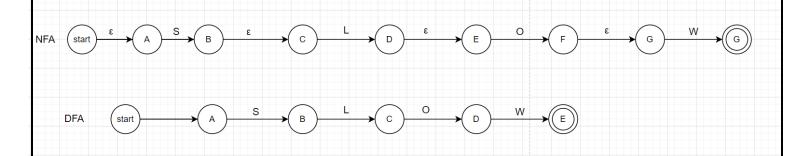
low



DFA start B C W D

## Slow RE: (Slow)

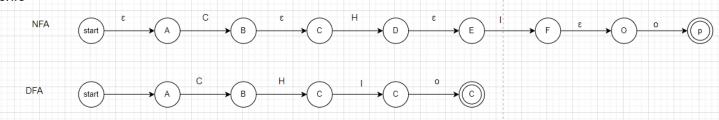
SLOW



#### Chlo

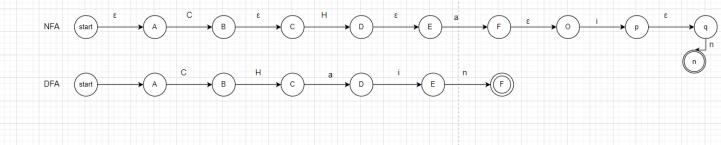
RE: (Chlo)

chlo



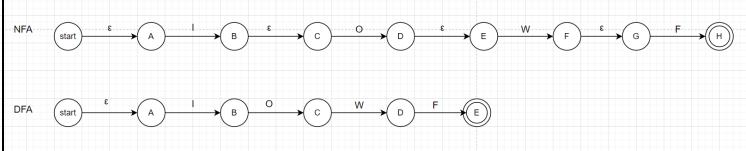
## Chain RE:(Chain)

chain

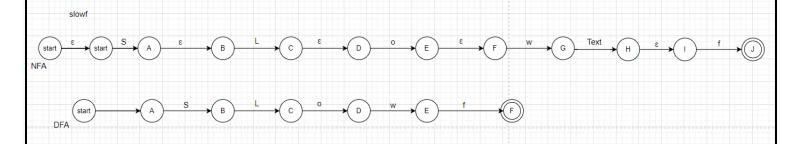


### Iowf RE: (Iowf)

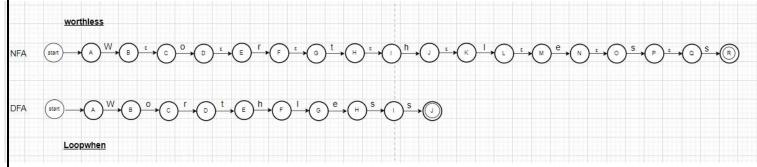
lwof



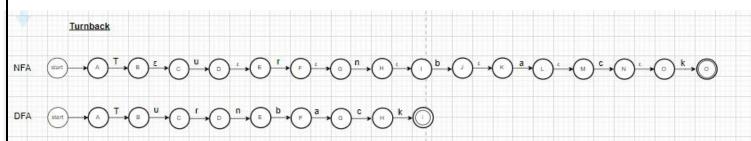
### Slow RE: (Slow)



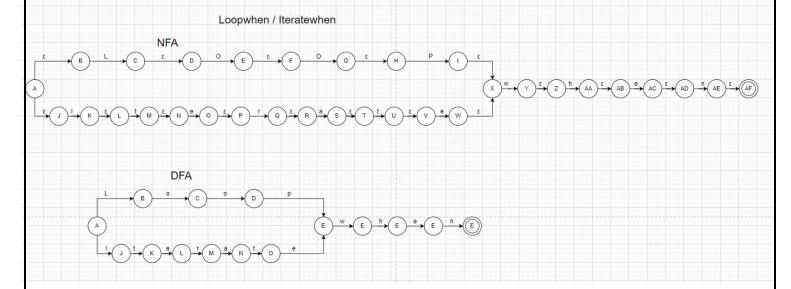
## Worthless RE: (Worthless)



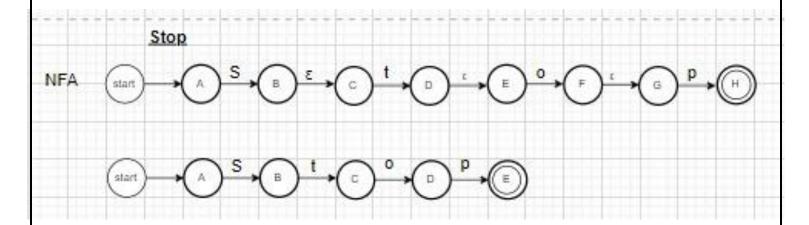
## Turnback RE: (Turnback)



## Loopwhen / Iteratewhen RE: (Loopwhen | Iteratewhen)



#### Stop RE: (Stop)

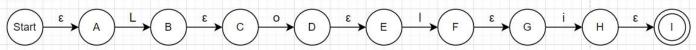


#### Loli

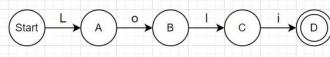
RE: (Loli)

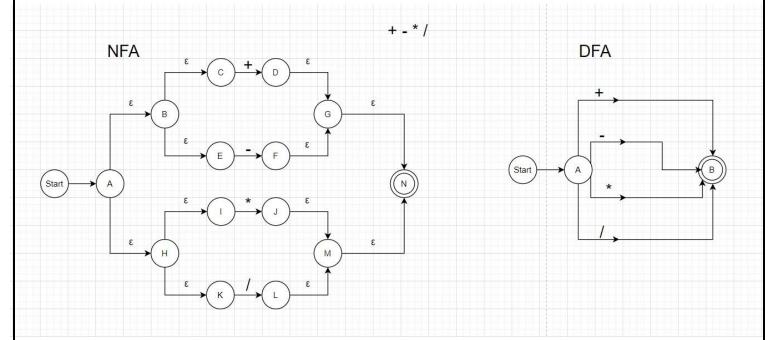


#### **NFA**

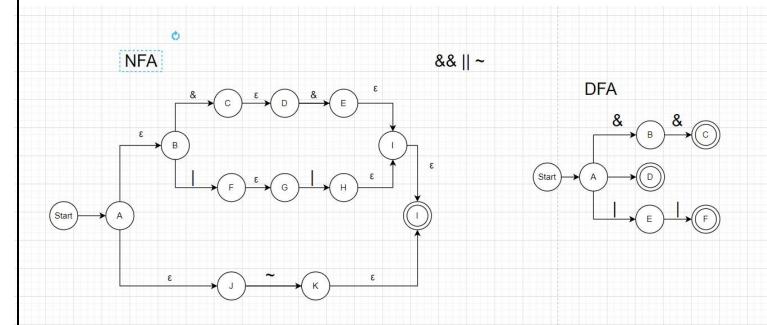


#### DFA





( && , || , ~ ) RE: (\&& | \|| | \~)

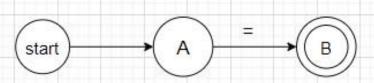


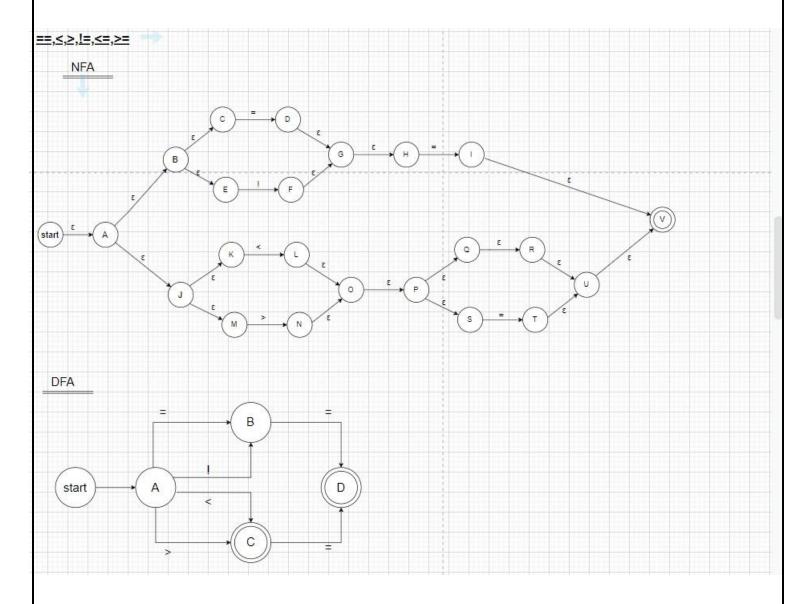
(=)

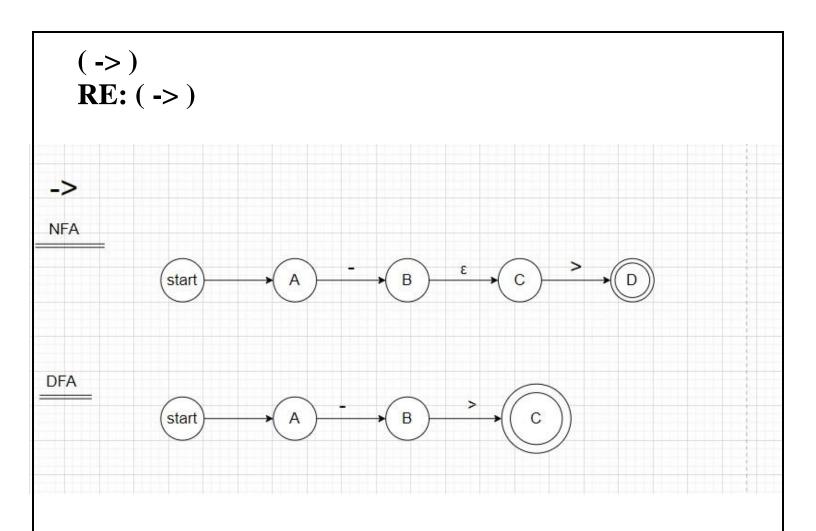
**RE:** (=)

=

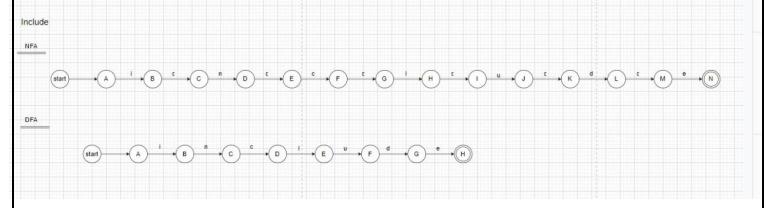
NFA & DFA

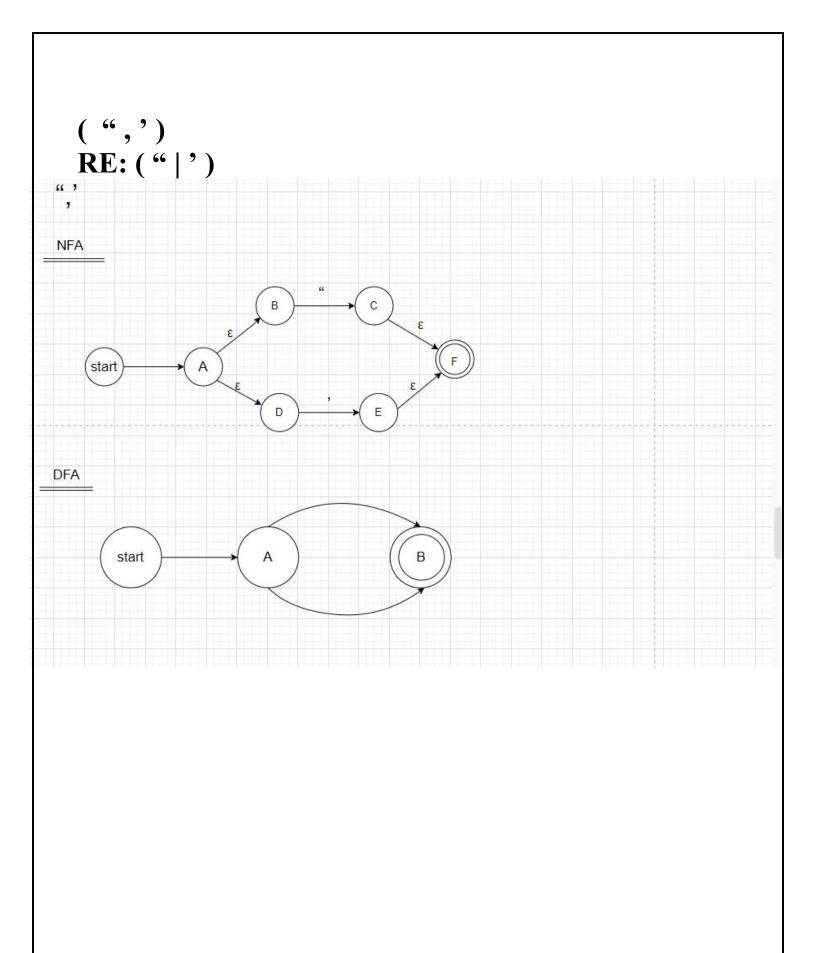






## ( Include ) RE: (Include)

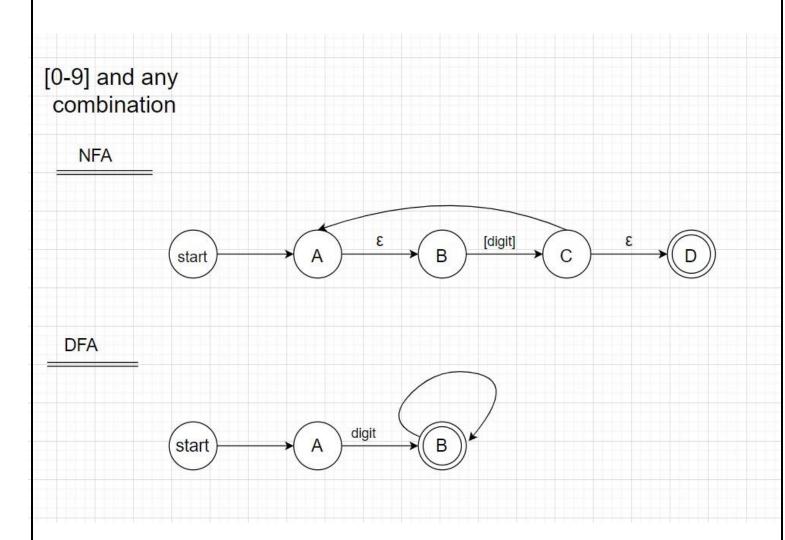


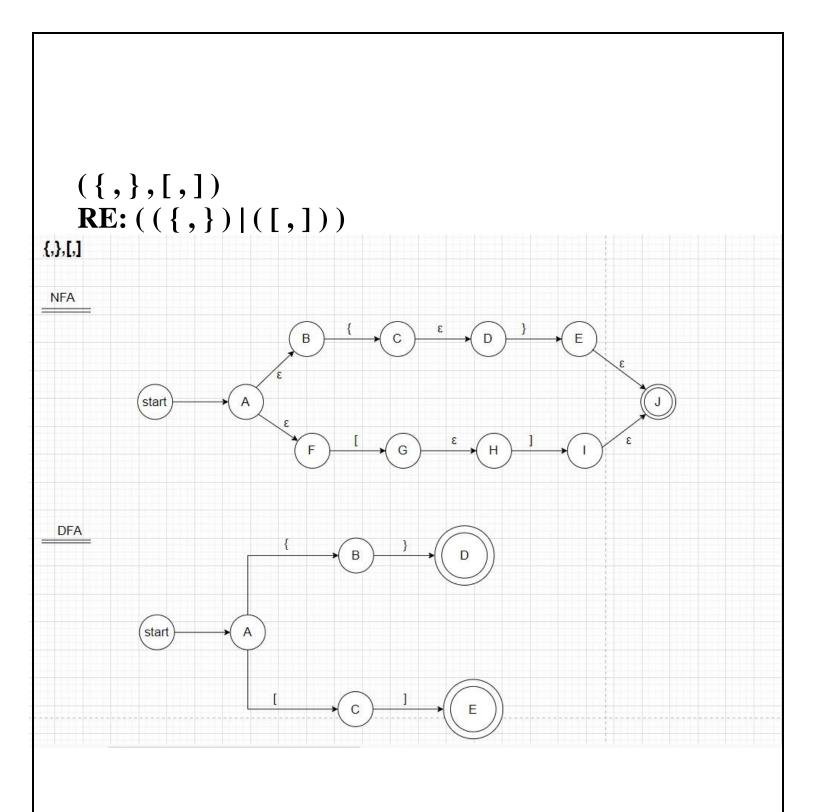


#### ( [0-9] ) and any combination

**RE:** ([0-9])

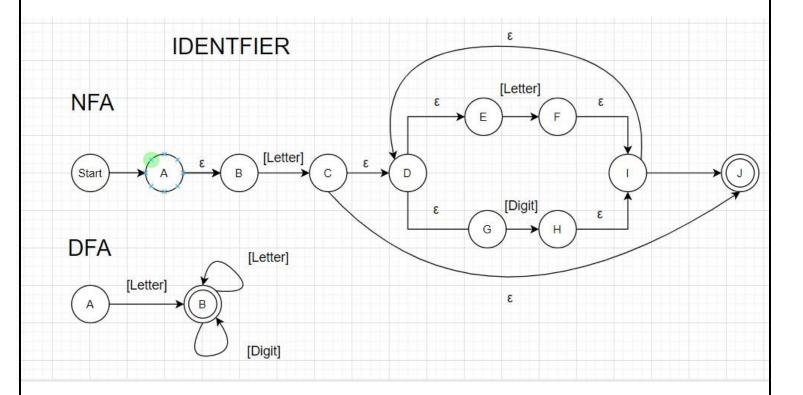
**RE2:** (\d+)





#### **Identfier**

### **RE:** ( [letter][letter|digit]\* )



### **Full DFA**

