

CS 419 Compiler Project Form

Project Idea: Project #2 Language

Team Members NO#: Number of team members 6

ID	Name	Level& Department	Section	Role	Grade
201900788	مروان ايمن محمد عبدالستار	Level 3 - General	Wednesday, 4:00-6:00	Member	
201900783	محمود وحيد سيد احمد	Level 3 - General	Wednesday, 4:00-6:00	Member	
201900755	محمود احمد عبدالباسط	Level 3 - General	Wednesday, 4:00-6:00	Member	
201900786	مروان احمد علي مخلوف	Level 3 - General	Wednesday, 4:00-6:00	Leader	
201900947	وحيد عبد الحسيب احمد	Level 3 - General	Wednesday, 4:00-6:00	Member	
201900775	محمود عبدالحميد عبدالجواد	Level 3 - General	Wednesday, 4:00-6:00	Member	

Regular Expressions :-

Arithmetic Operations

RE = (+ | - | * | /)

Logic Operators

RE = (&& | || | ~)

Relational Operators

RE = (== | < | > | != | <= | >=)

IDENTIFIER

RE = Letter(Letter | Digit)*

Constant

RE = [0-9]+

Comment

RE = < (* | ^) | * >

RE = < * * > | ^

Key Words

For all key word text, the regular expression will be the same as the word

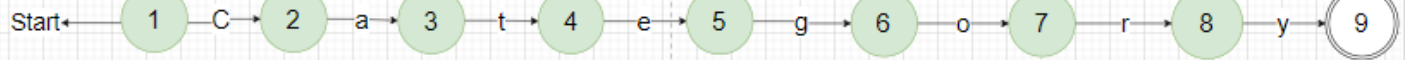
ex. Word >>>Category

RE= C|a|t|e|g|o|r|y

NFA & DFA:-

1-Category

DFA NFA



2-Derive

DFA NFA

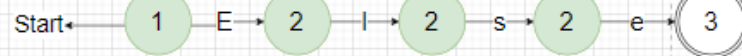


3-If--Else

DFA NFA



DFA NFA



4-Ilap

DFA NFA



5-Silap

DFA NFA



6-Series

DFA NFA



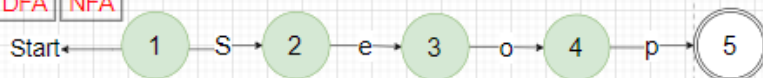
7-Ilapf

DFA NFA



14-Seop

☒ DFA ☐ NFA

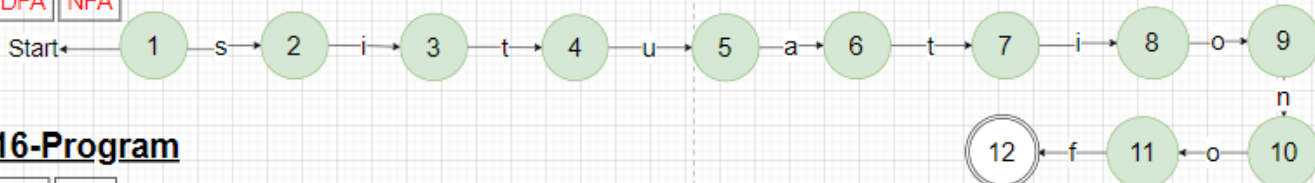


15-Check -- situation of

☒ DFA ☐ NFA

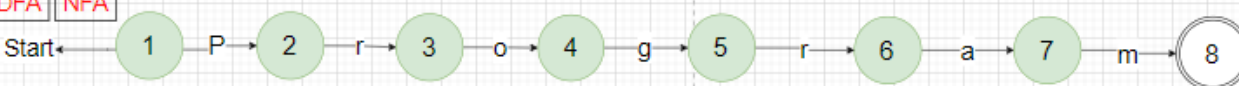


☒ DFA ☐ NFA



16-Program

☒ DFA ☐ NFA



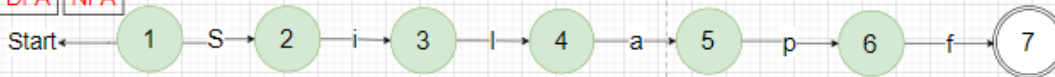
17-End

☒ DFA ☐ NFA



8-Silapf

DFA NFA



9-None

DFA NFA



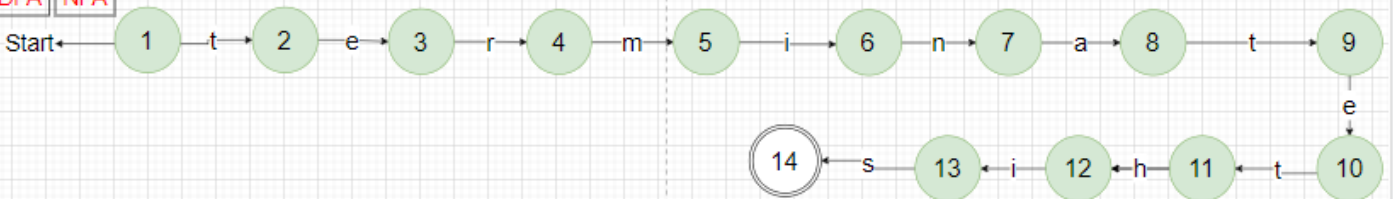
10-Logical

DFA NFA



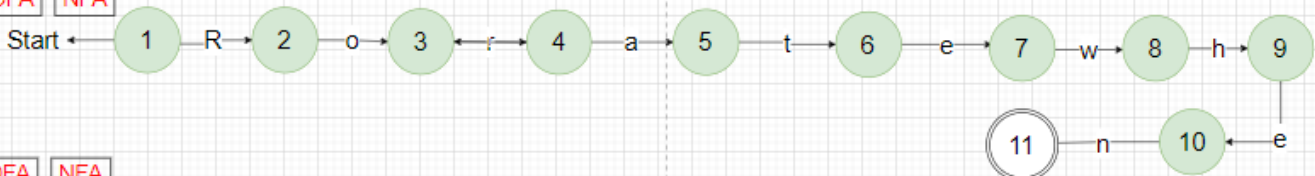
11-terminatethis

DFA NFA

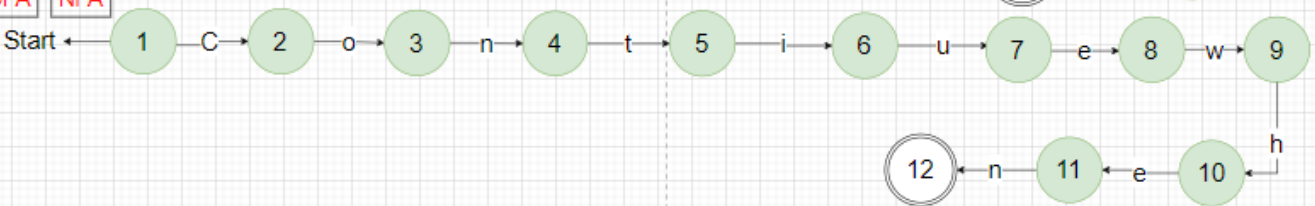


12-Rotatewhen/Continuewhen

DFA NFA



DFA NFA

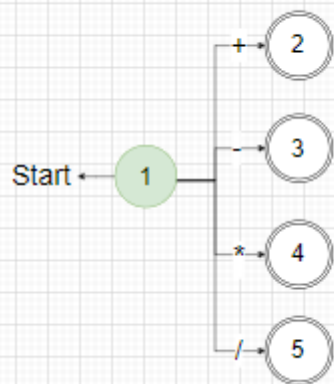


13-Replywith

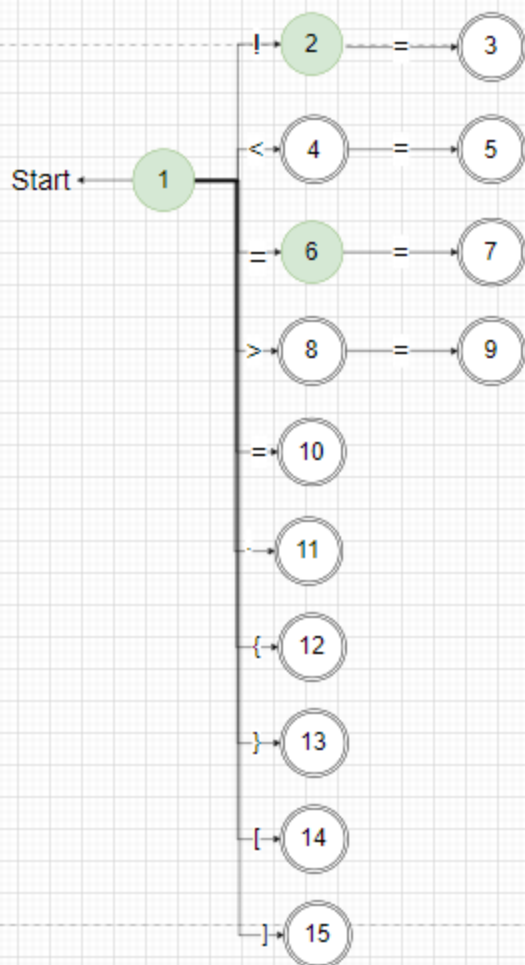
DFA NFA



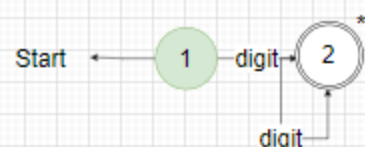
18-Arithmetic Operation



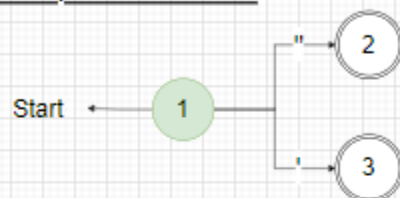
19-Logic Operation & Assignment Operator & Access Operator & Braces



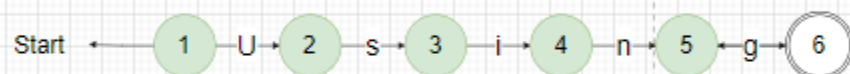
20-Constant



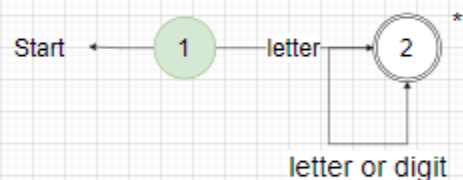
21-Question mark



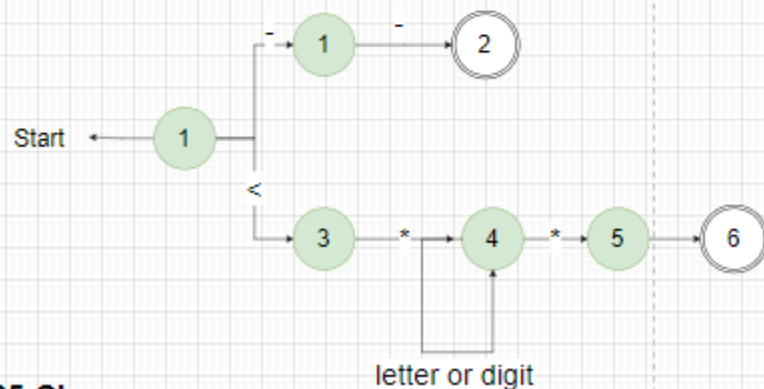
22-Inclusion



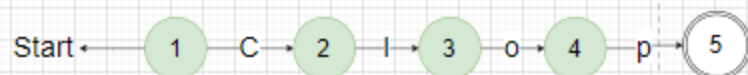
23-Identifier



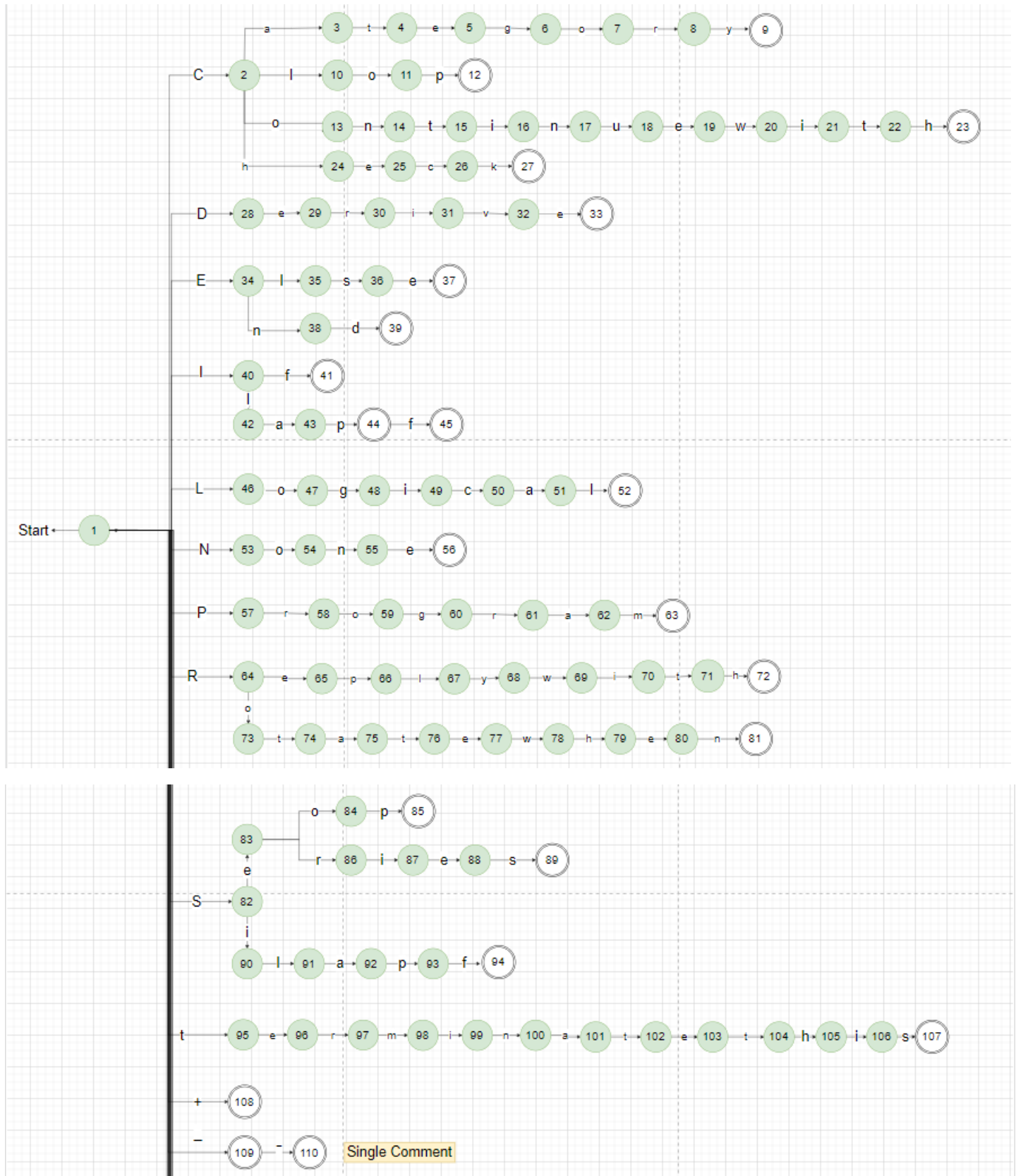
24-Comment

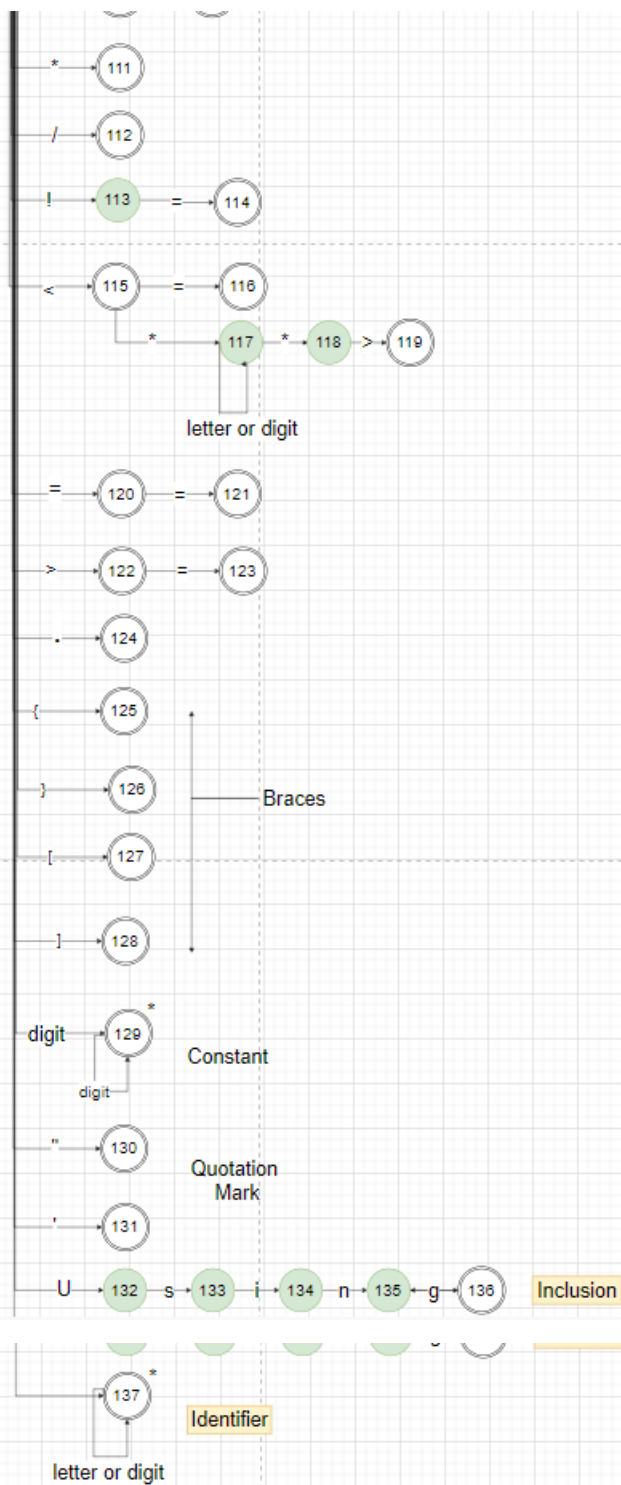


25-Clop



BIG DFA:-





BIG NFA:-

