

CS 419 Compiler

Project Form

Project Idea:

Project 1

Team Members NO#: 15

ID	Name	Level& Department	Role (Lead/Member)	Grade
201900229	بولا نبیل ویدید	Level3 / CS	Leader	
201900231	بیشوی جمیل قادر	Level3 / CS	Member	
201900888	ناردین هنی ملکی	Level3 / CS	Member	
201900604	مارینا نبیل جوهر	Level3 / CS	Member	
201900860	مونیکا کیرلس لحظی	Level3 / CS	Member	
201900982	یوسف سامر جورج	Level3 / CS	Member	
201900305	رمزی عاطف رزق	Level3 / CS	Member	

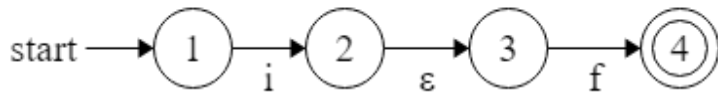
Regular Expression, Finite automata and Conversion from RegX to NFA, NFA to DFA

- **Regular Expressions :**

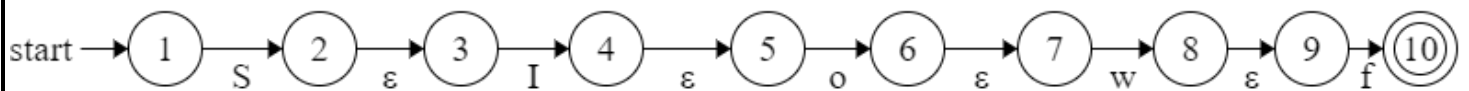
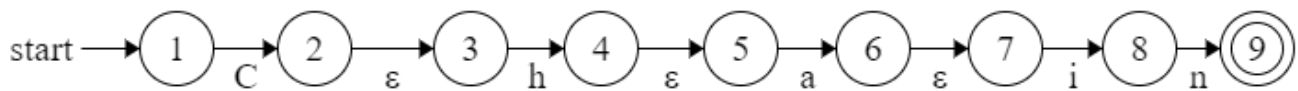
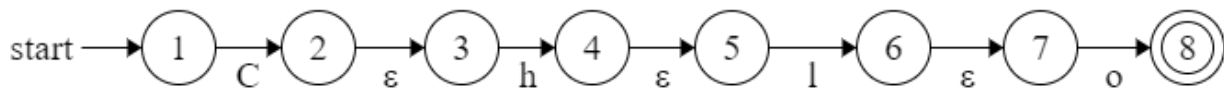
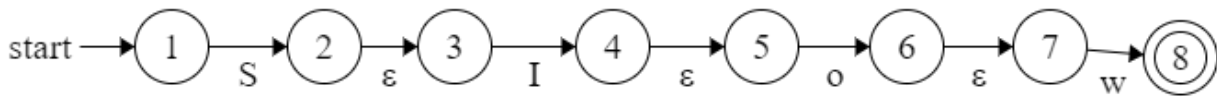
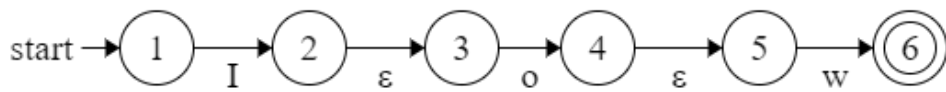
- 1- If / Else
- 2- Iow
- 3- Slow
- 4- Chlo
- 5- Chain
- 6- Iowf
- 7- Slowf
- 8- Worthless
- 9- (Loop | Iterate)when
- 10- Turnback
- 11- Stop
- 12- Loli
- 13- + | - | * | /
- 14- && | || | ~
- 15- ((=|!) | (< | >)(= | epsilon))
- 16- =
- 17- ->
- 18- { } | []
- 19- (0-9)(0-9)*
- 20- “ “
- 21- ‘ ‘
- 22- Include

- **NFA :**

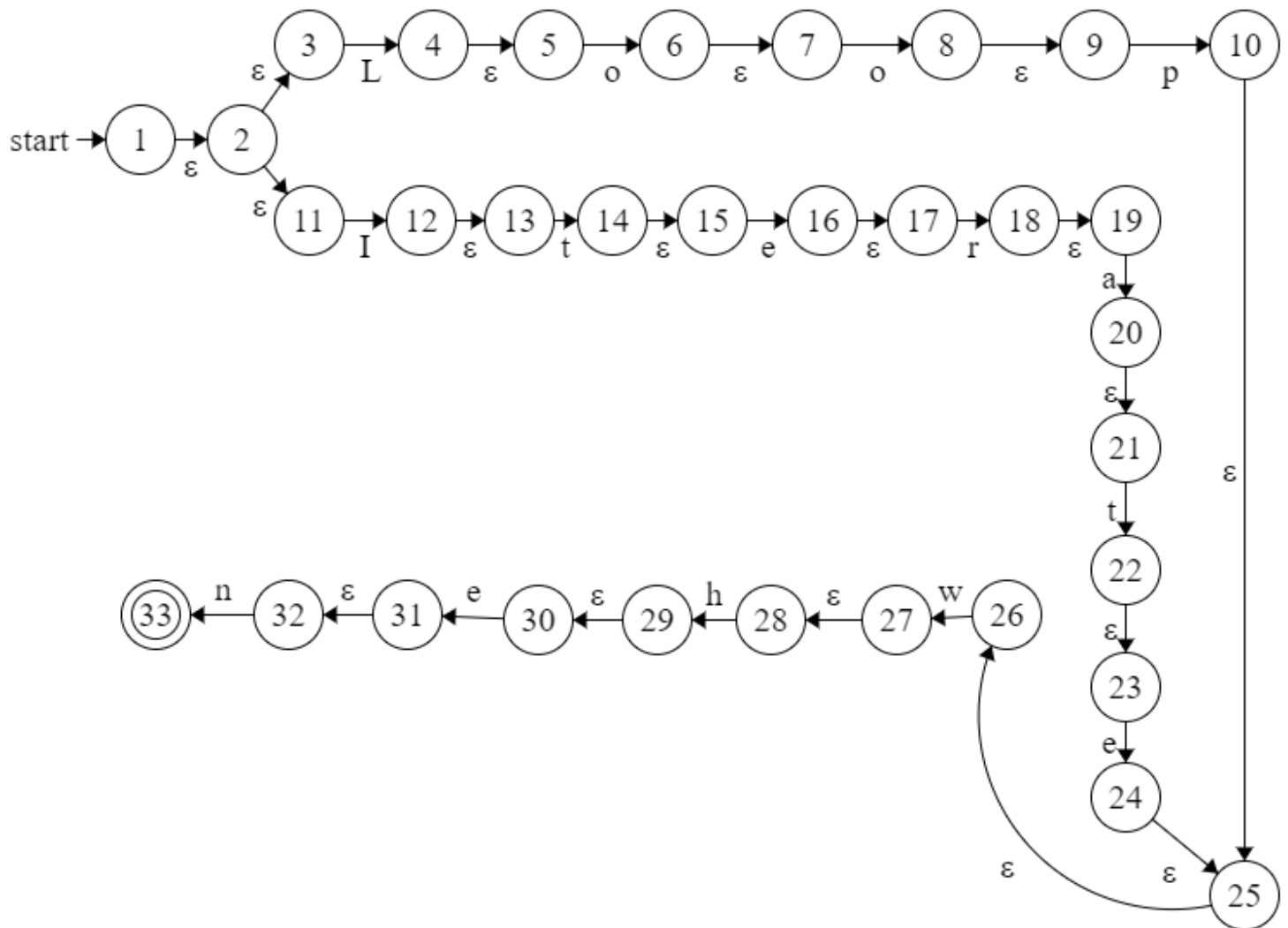
- 1- If else :**



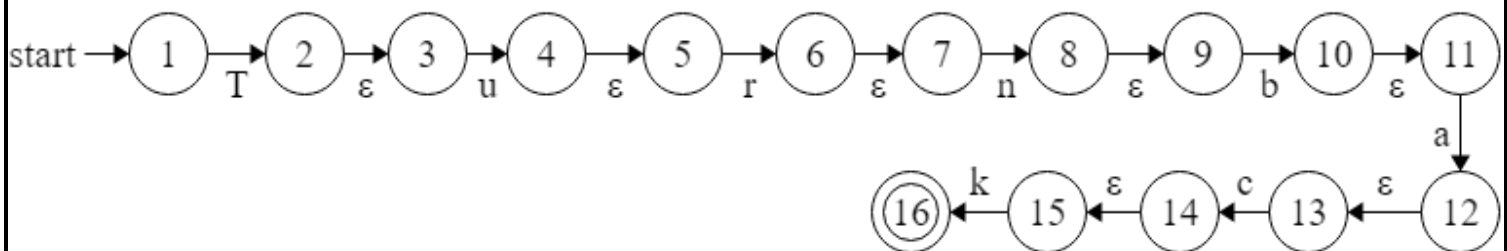
- 2- Data Specifiers :**



3- Loop/Iterate when :



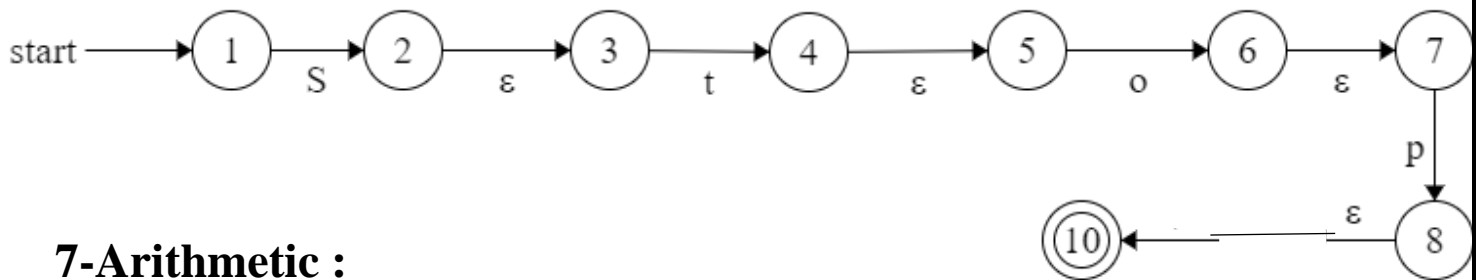
4- TurnBack :



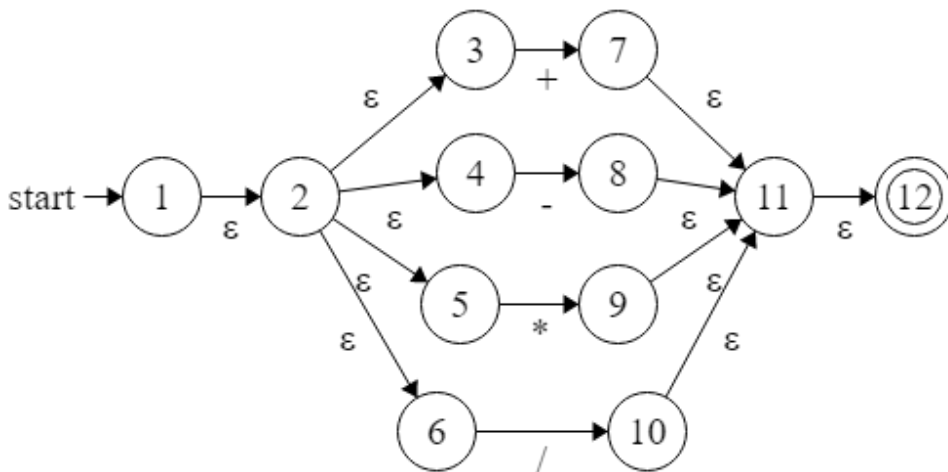
5- Loli :



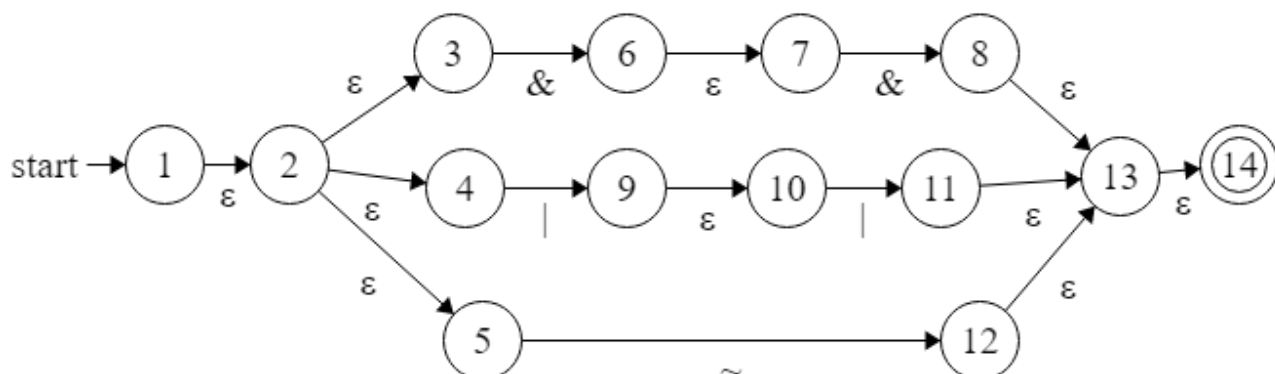
6- Stop



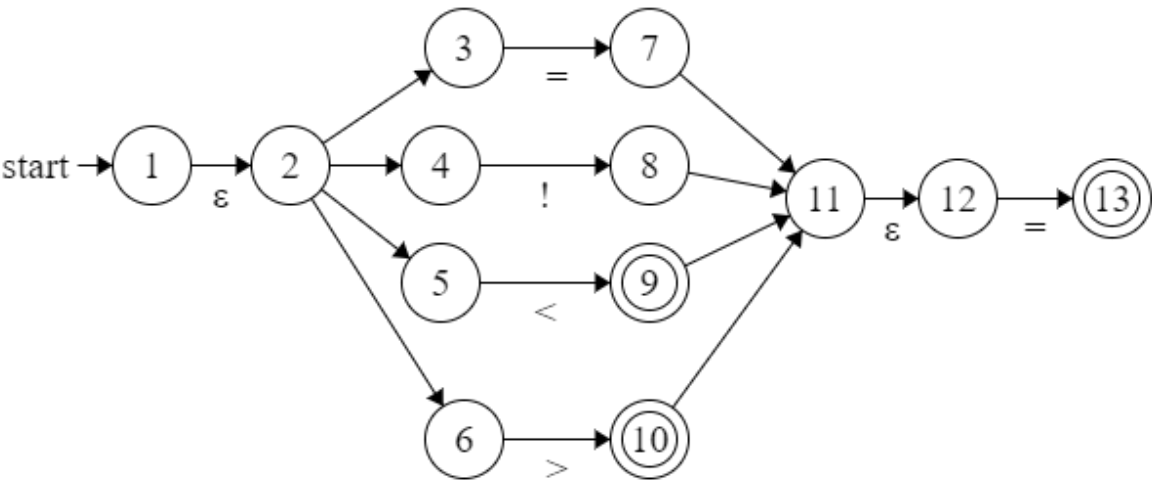
7-Arithmetic :



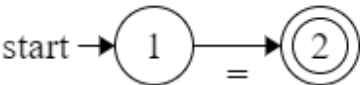
8- Logic :



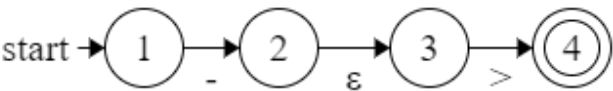
9- Relational ops :



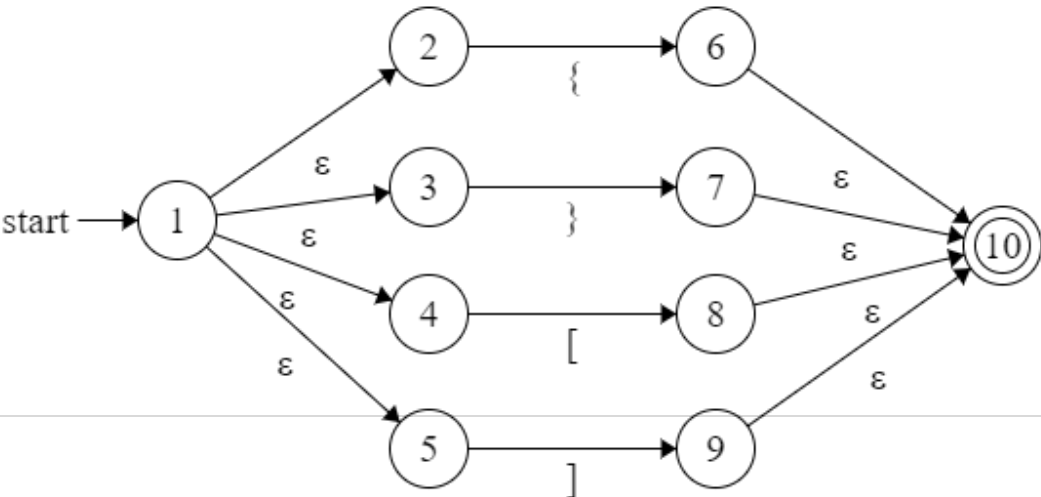
10- Assignment:



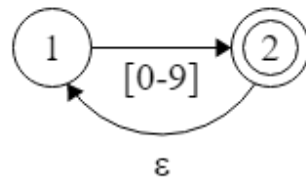
11- Access Loli :



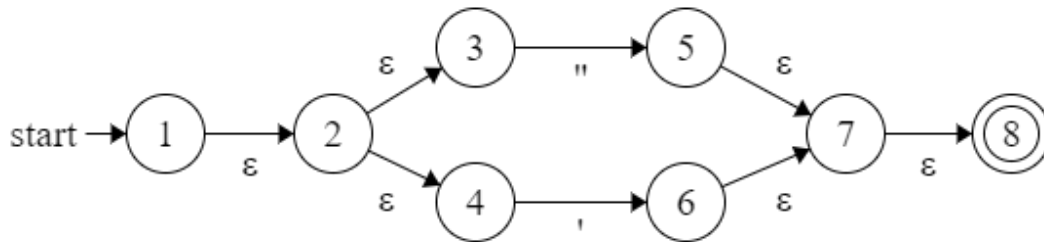
12- Braces :



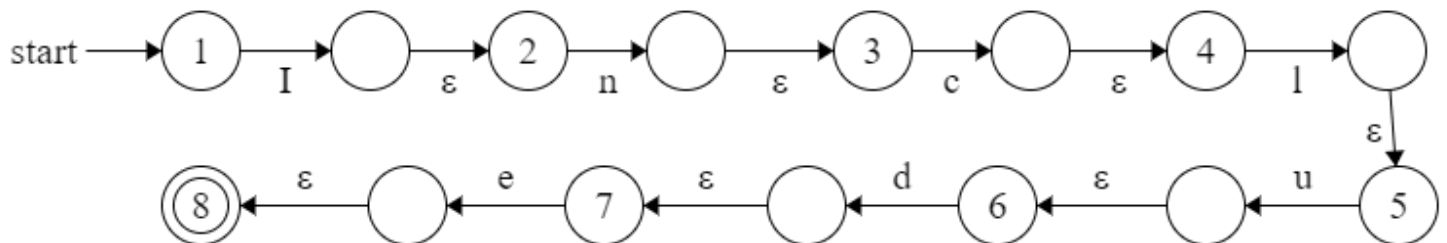
13- Constant :



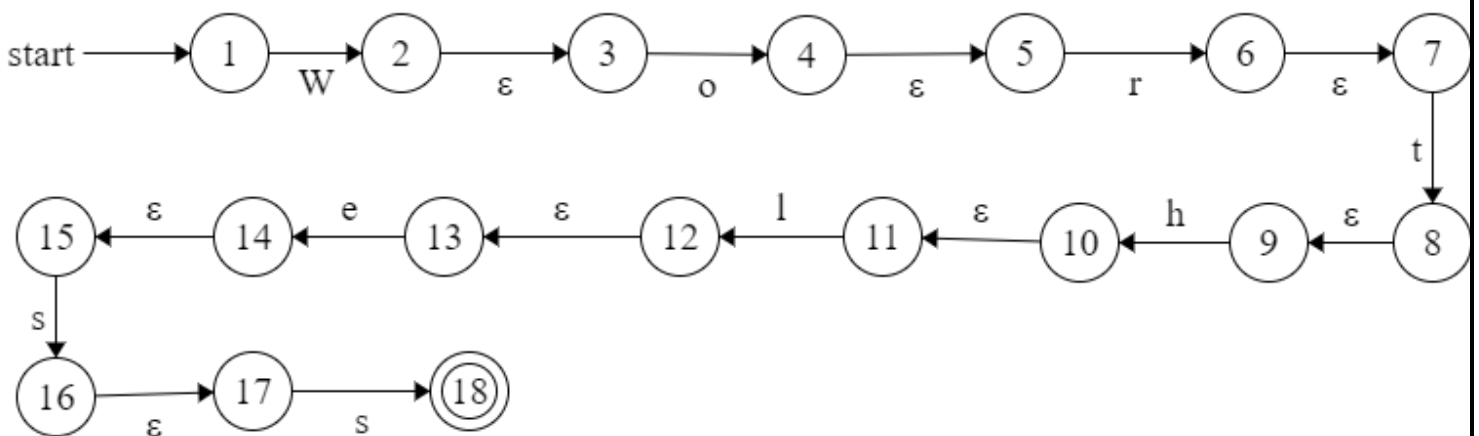
14- Quots :



15- Include

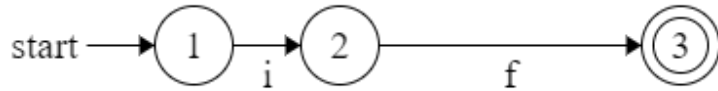


16 – Worthless

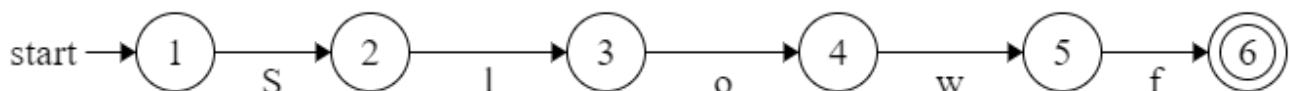
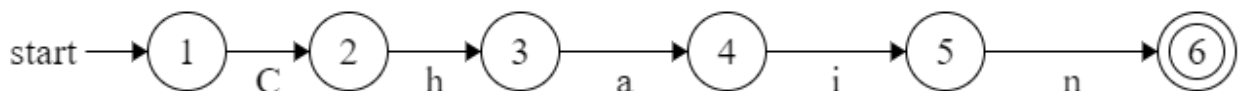
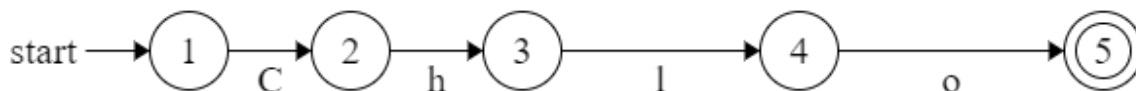
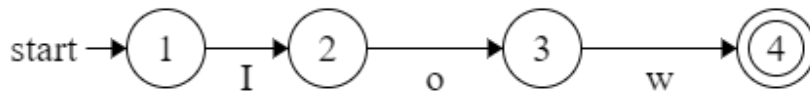


- **DFA:**

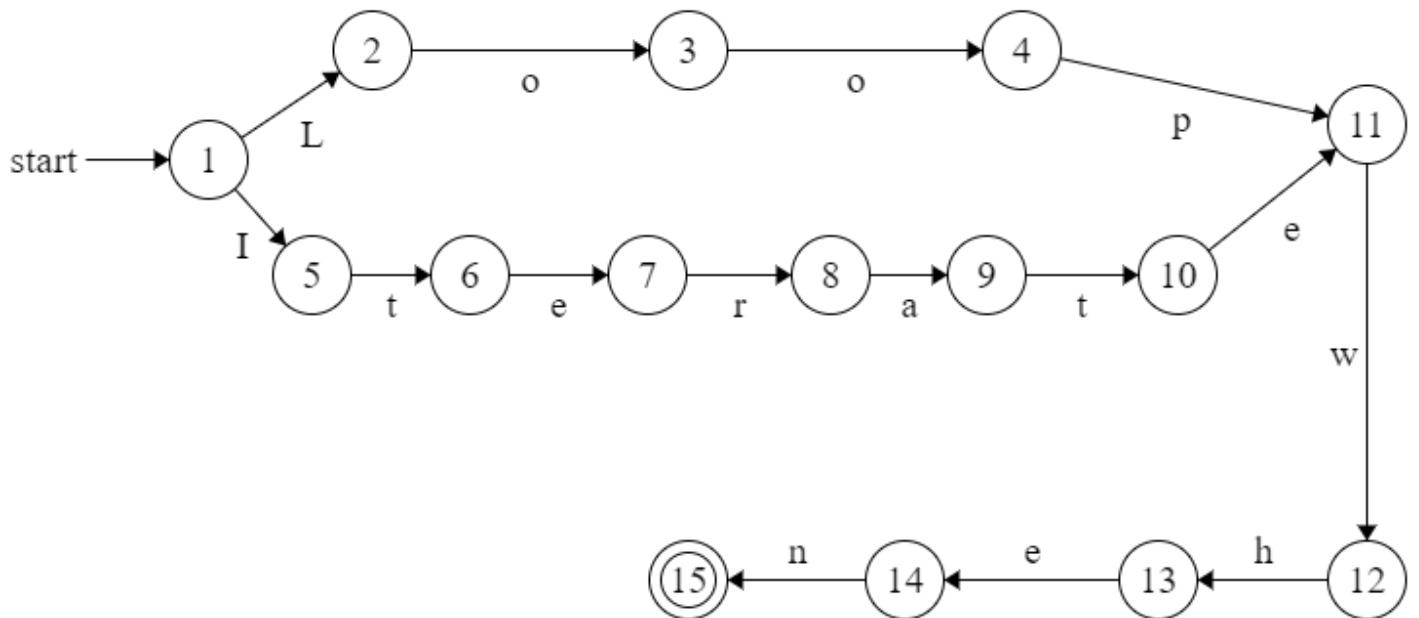
1- If Else :



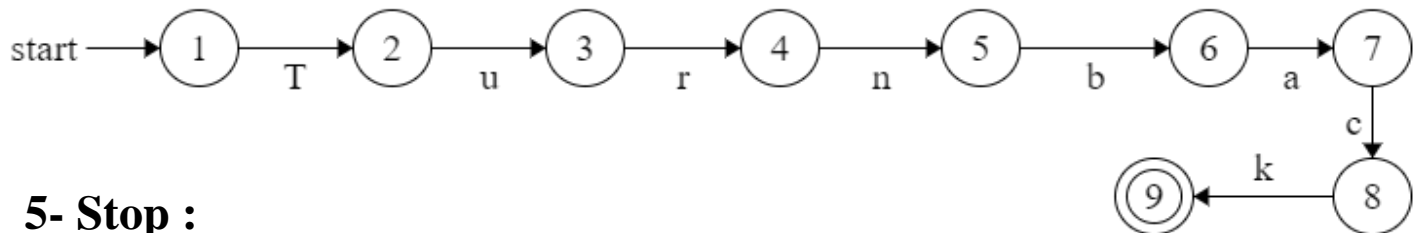
2- Type Specifiers :



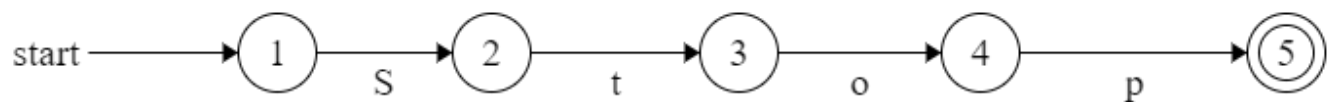
3- Loop/Iterate when :



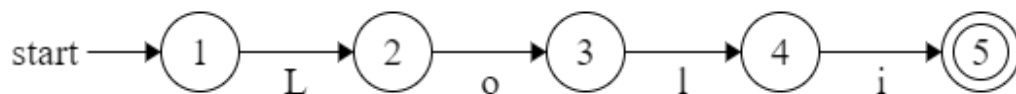
4- TurnBack :



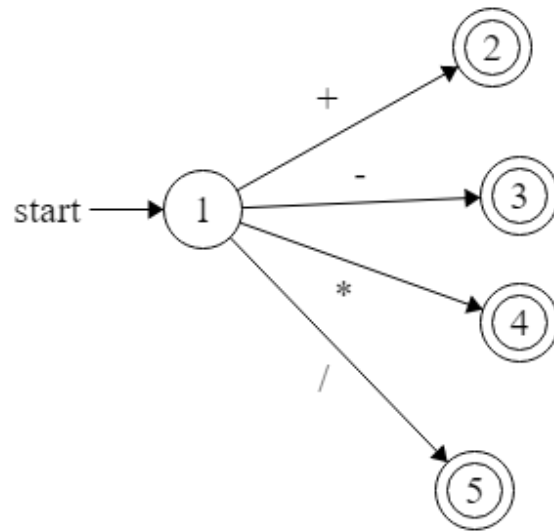
5- Stop :



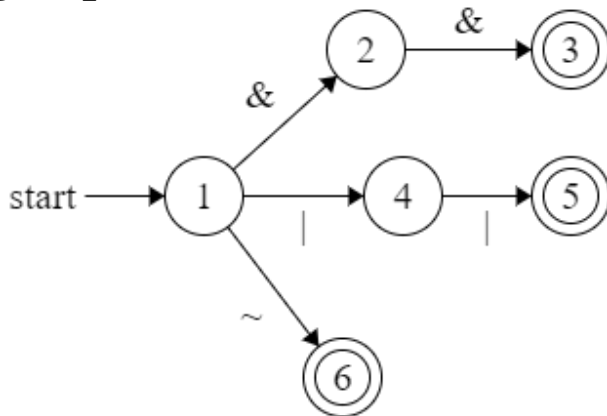
6- Loli:



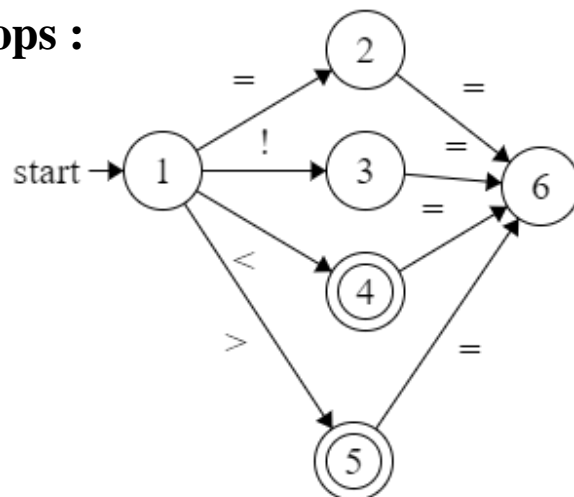
7- Arithmetic ops :



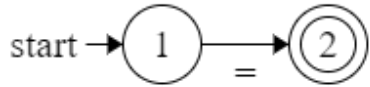
8- Logic ops :



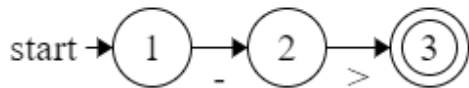
9- Relational ops :



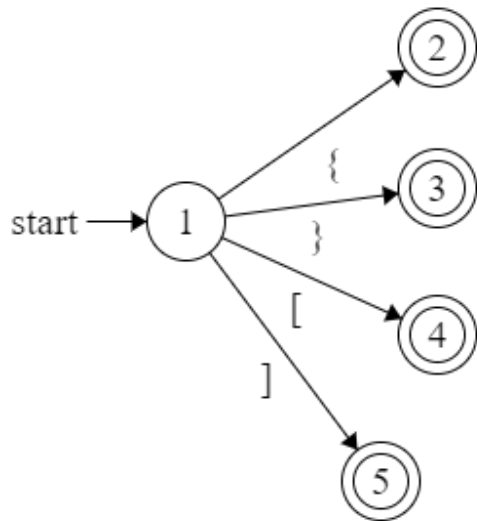
10- Assignment :



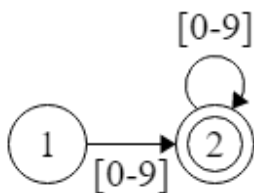
11- Access Loli :



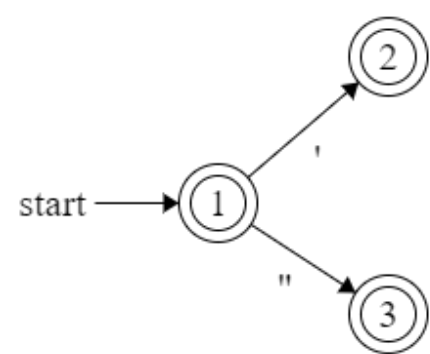
12- Braces :



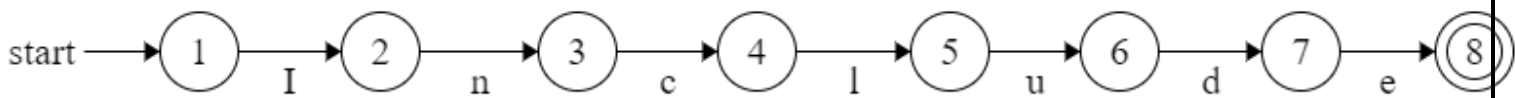
13- Constant :



14- Quots :



15- Include :



16- Worthless :

