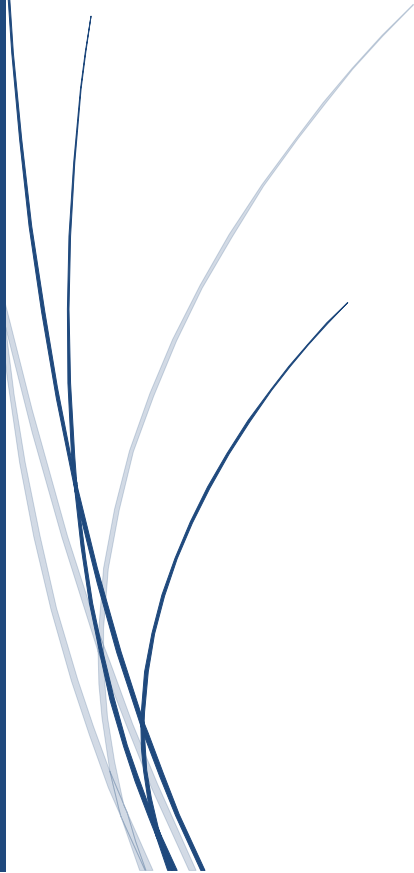


Compiler Project

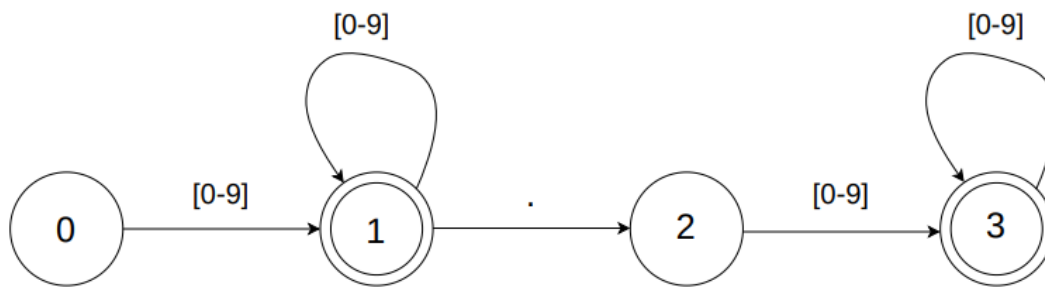
| | |
|---------------------------|------------|
| Ali Ahmed Mahmoud Madian | 2022170255 |
| Omar Hossam Farouq Ismail | 2022170273 |
| Michel Ehab Karam | 2022170341 |
| John Mahfouz Hanna | 2022170121 |
| Mohamed Ahmed Mohamed | 2022170349 |
| Yehia Mokhtar AbdElkader | 2022170500 |



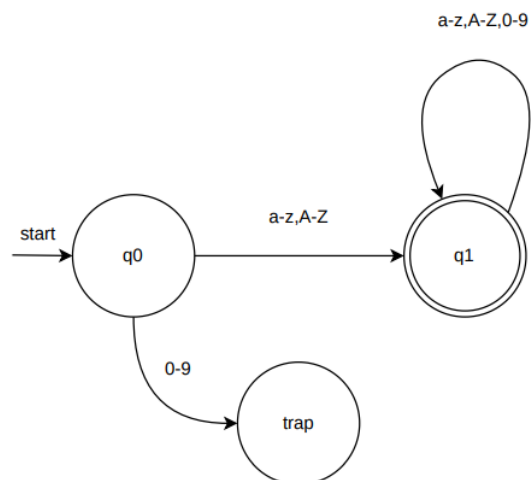
Regular Expression:

- **digit** → 0|1|2|3|4.....|9
- **Number** → digit.?digit
- **letter** → [a-z][A-Z]
- **String** → "([a-zA-Z0-9-!#\$%&'()*+,-./:;<=>?@[_`{|}~]|(\\"))*"
- **Comment** → /*String*/
- **Identifier** → letter (letter | digit)*
- **Reserved Keywords** → Int | Float | String | Read | Write | Repeat | Until |
If | Elseif | Else | Then | Return | Endl
- **Arithmetic Operator** → + | - | * | /
- **Assignment Operator** → :=
- **Condition Operator** → < | > | = | <>
- **Boolean Operator** → && | \ | \ |

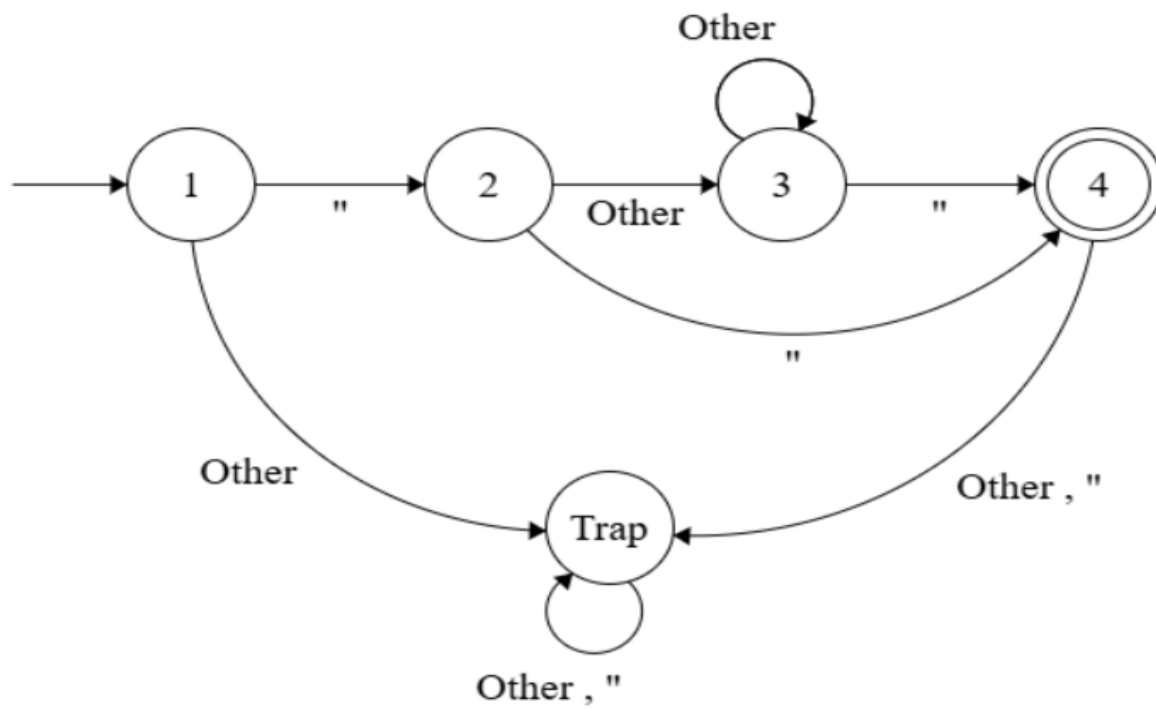
Numbers:



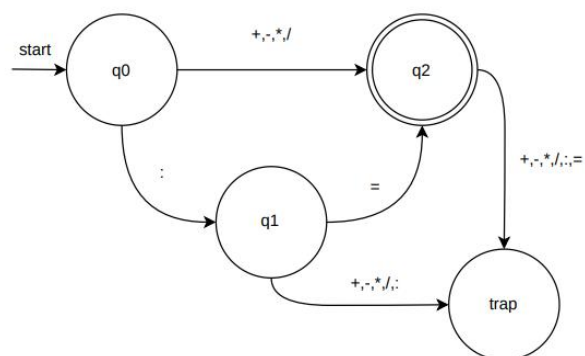
Identifier:



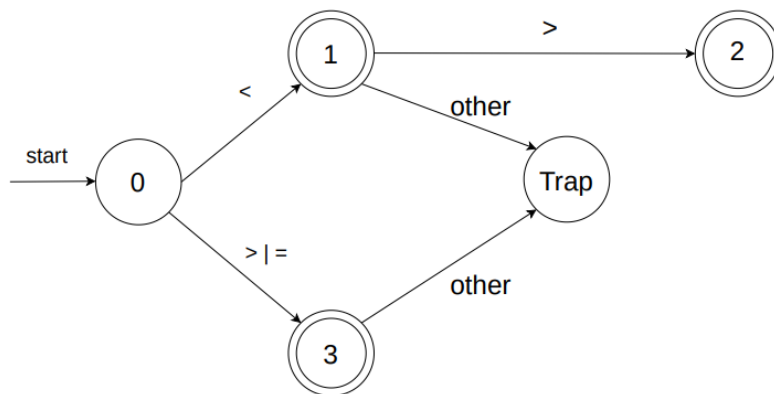
String:



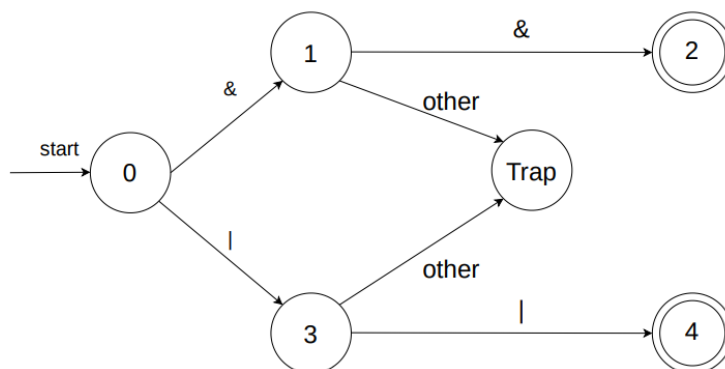
Arithmetic Operator and Arithmetic Operator :



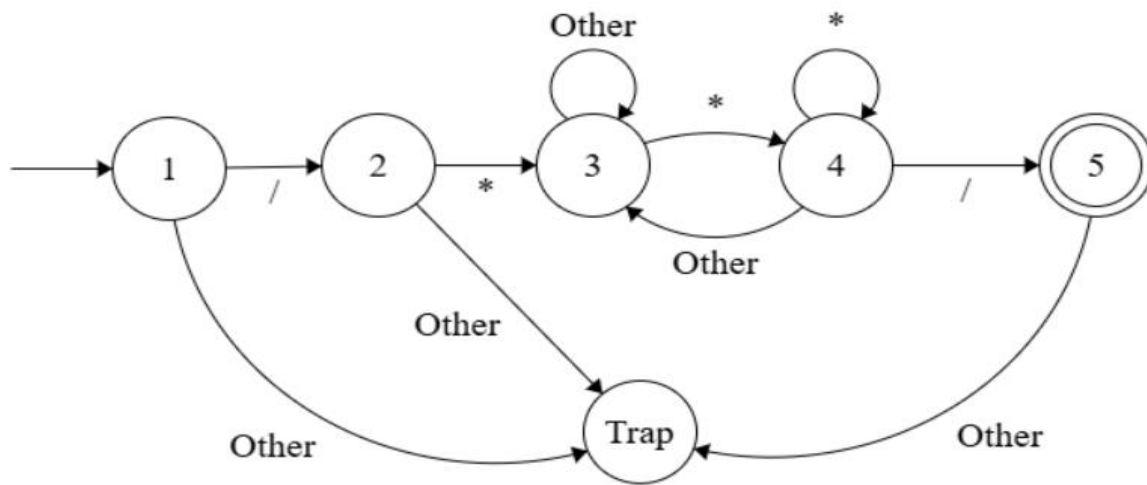
Condition Operator:



Boolean Operator:



Comments:



Reserved Keywords:

