

Regular Expressions

1. Number

- `Digit+ (\.\Digit+)?`

2. String

- `\"(?:[^\"\\]|\\.)*\"`

3. Reserved_Keywords

- `(int|float|string|read|write|repeat|until|if|elseif|else|then|return|end)`

4. Comment_Statement

- `/*(\b | \S | \t) */`

5. Identifiers

- `Letter (Letter| Digit) *`

6. Arthmatic_Operator

- `(+ | - | * | /)`

7. Condition_Operator

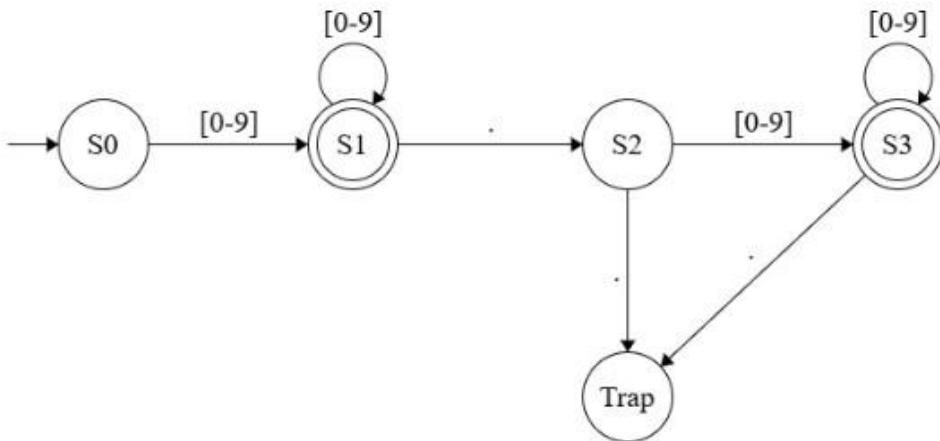
- `(< | > | = | <> | ==)`

8. Boolean_Operator

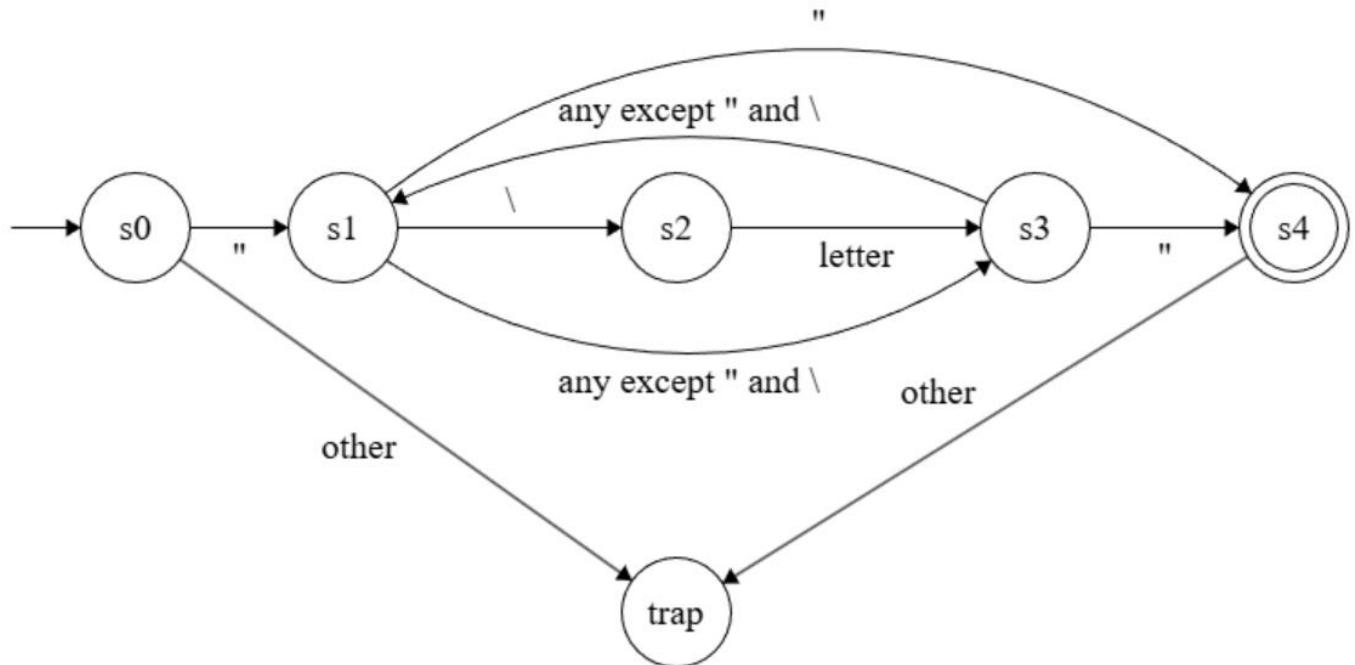
- `(&&)|(\\||)`

Deterministic Finite Automata (DFAs)

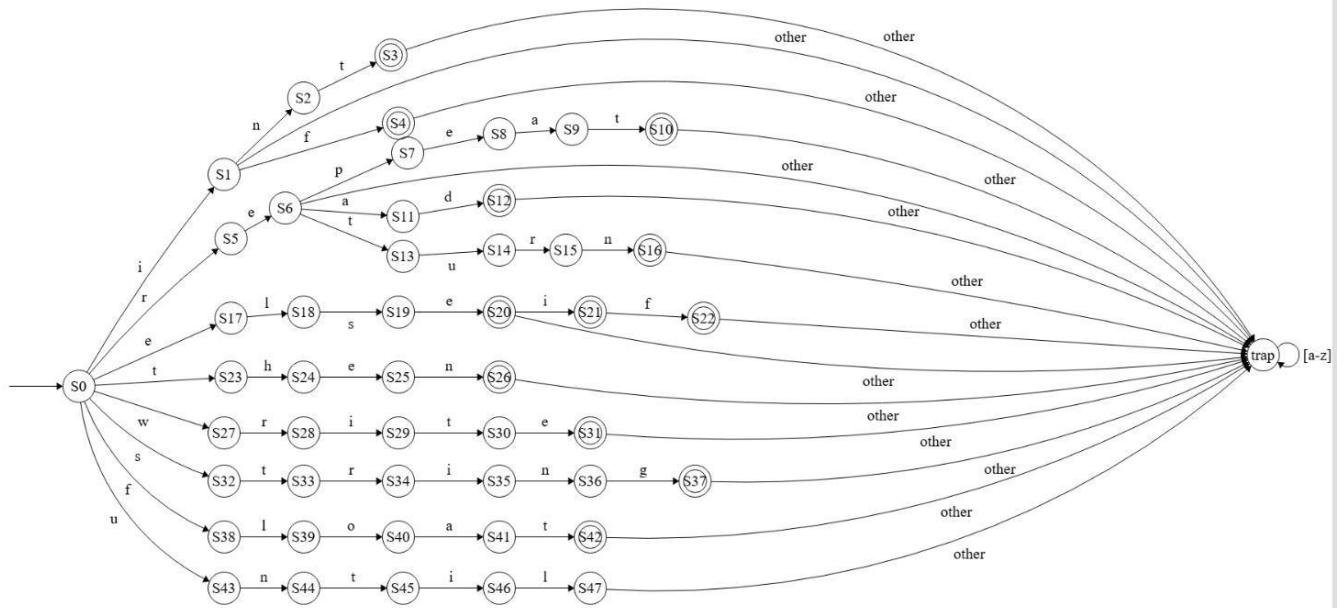
- Number



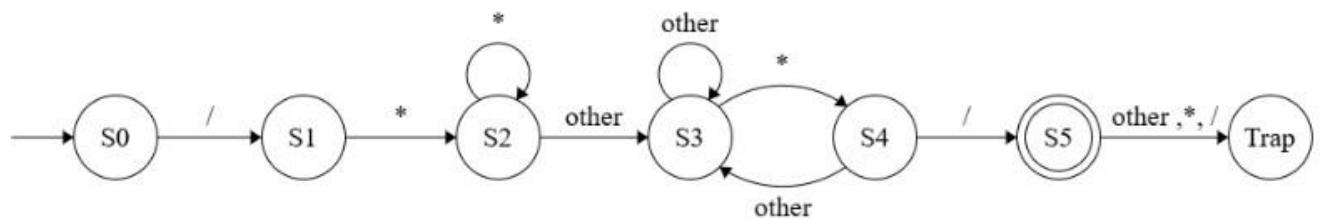
- String



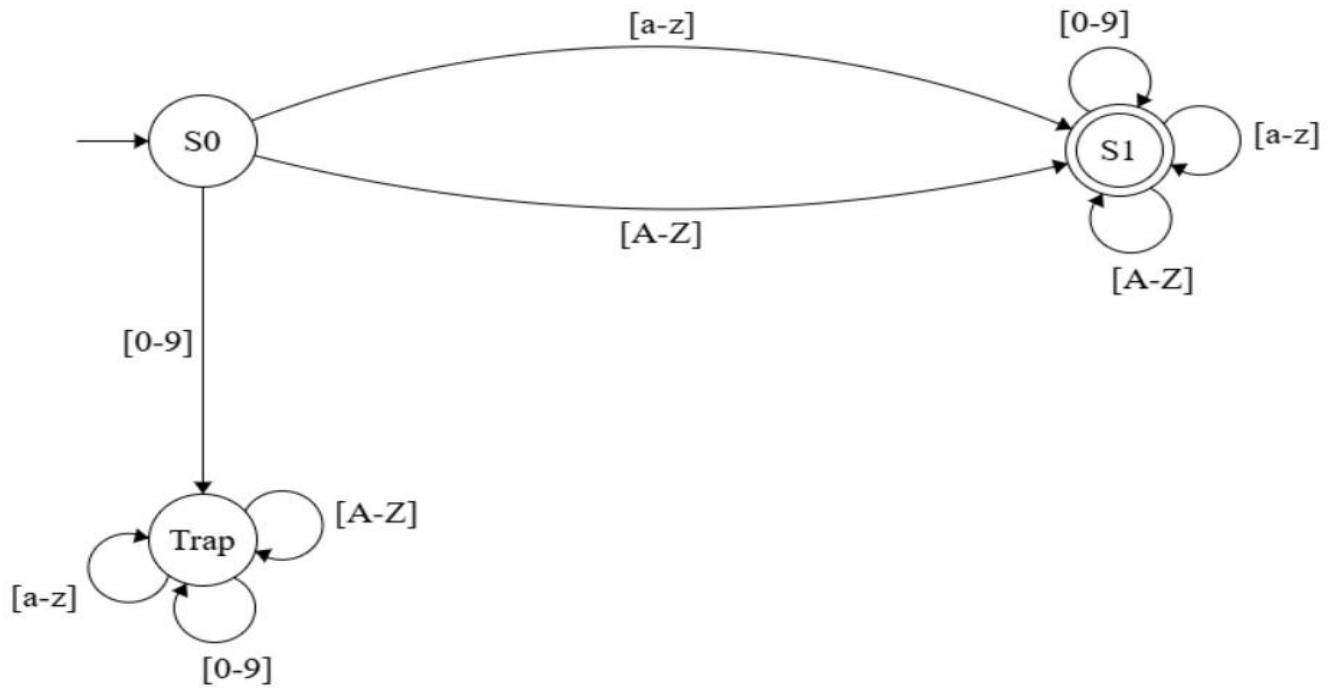
- **Reserved_Keywords**



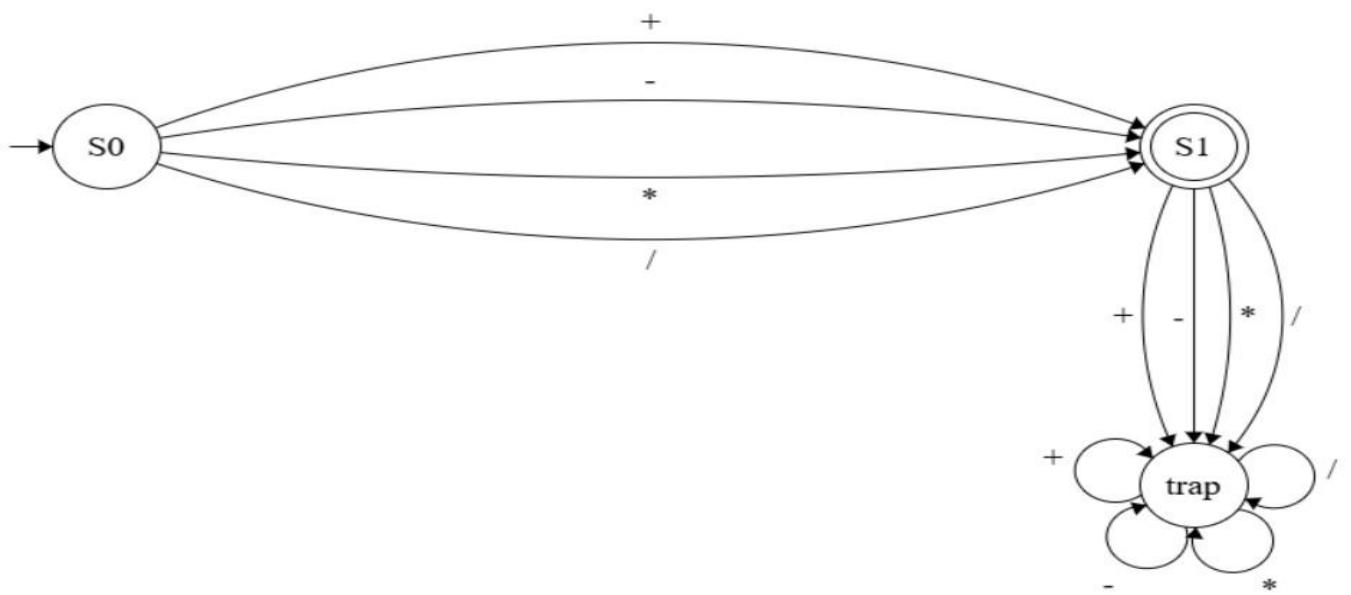
- **Commnet_Statement**



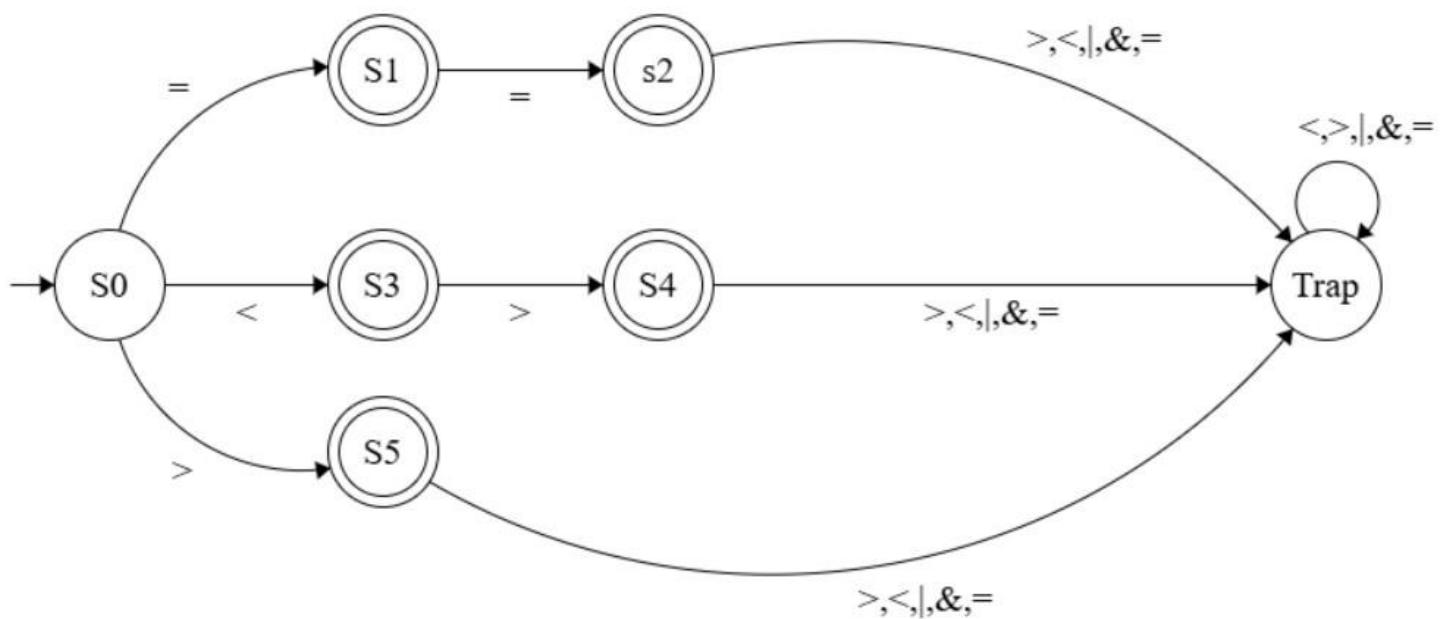
- Identifier



- **Arithmetic_Operator**



• Condition_Operator



• Boolean_Operator

