

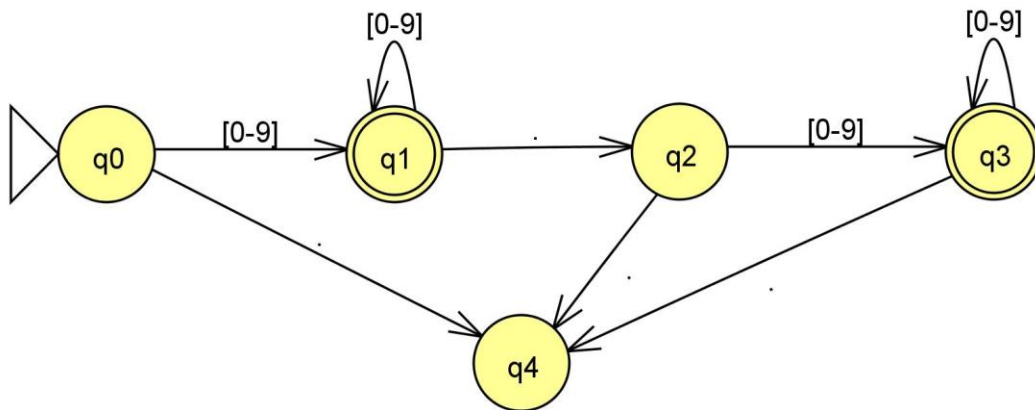
COMPILER THEORY

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1-Number:

$X = [0-9]^+$

$\text{Number} = X (\backslash .) X ?$

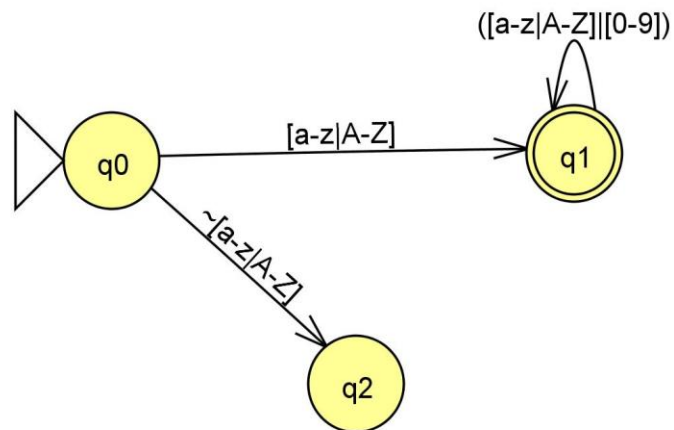


2-Identifier:

$\text{Letter} = [a-z | A-Z]$

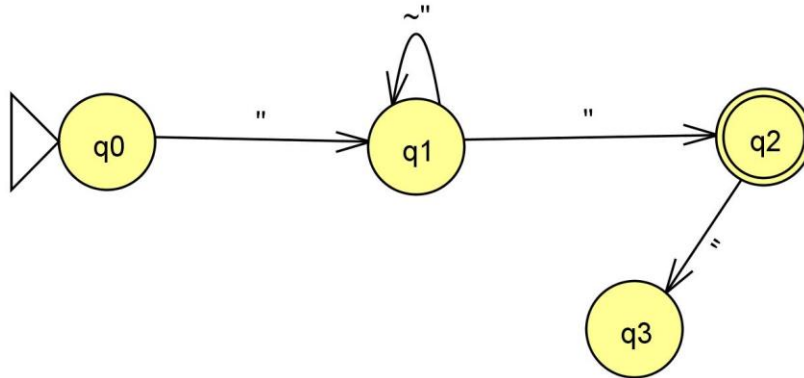
$\text{Digit} = [0-9]$

$\text{Identifier} = \text{letter} (\text{letter} | \text{Digit})^*$



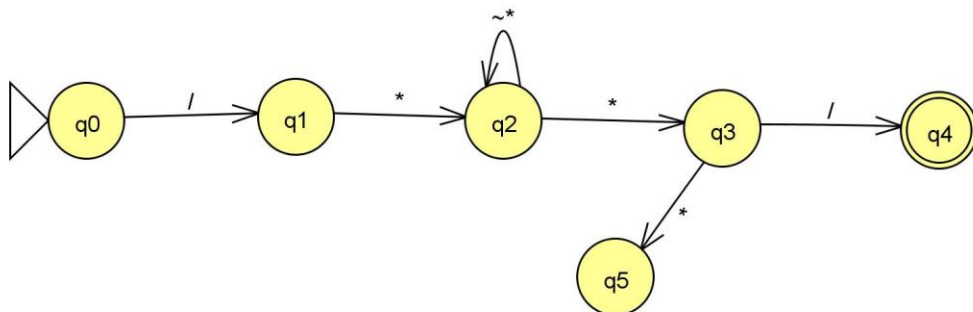
3-String:

String = (\") (~ \") * (\")



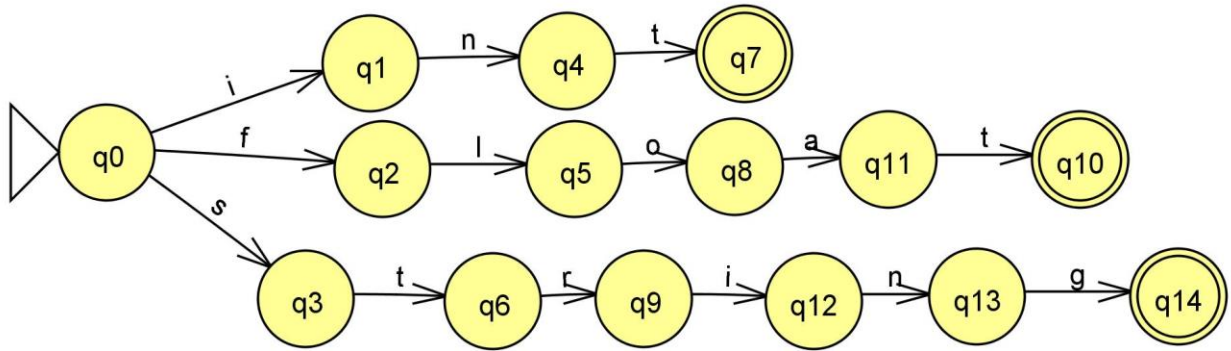
4-comment:

Comment = / (*) ~ (*) (*) /



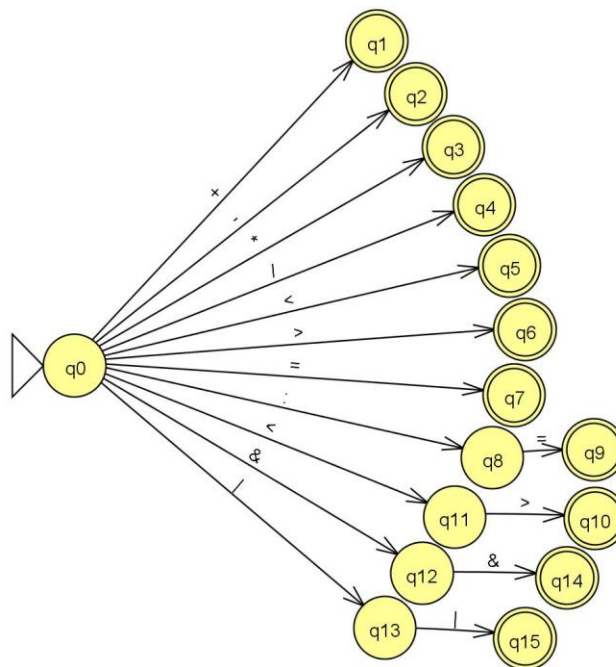
5- Data type:

DT= (int | string | float)



6-operator:

Op=(+ | - | (*) | / | && | (\|)(\|) | < | > | = | := | <>)



7-Reserved words:

**RS=(read | write | repeat | until | if | elseif | else | then |
return | endl)**

