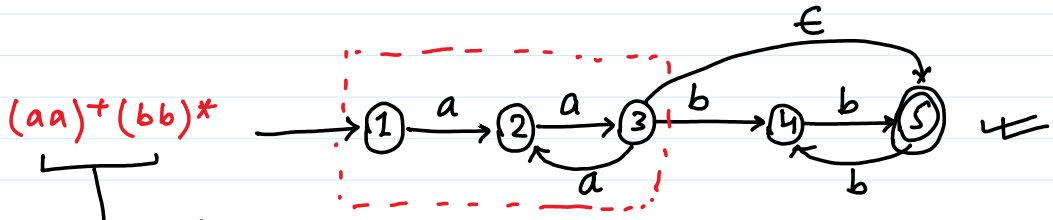
RE and TD Part 3

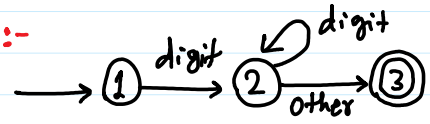
Tuesday, April 20, 2021 9:47 AM



{aa, aaaa, aaaaaa, aabb, aabbbb, aaaabbbbbb, ... }

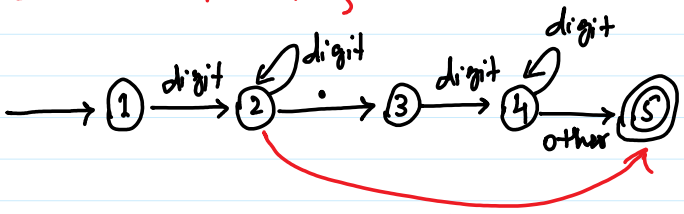
int i=0;

Number :-

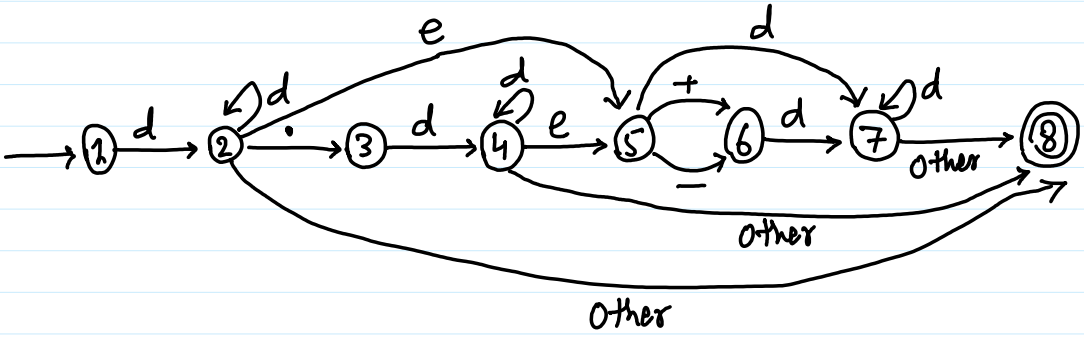


0, 1, 10, 100, ...

digit = {0|1|2|3|.....|9}



0.01 ✓
1.00 ✓
1.25 ✓
2
21.32 ✓

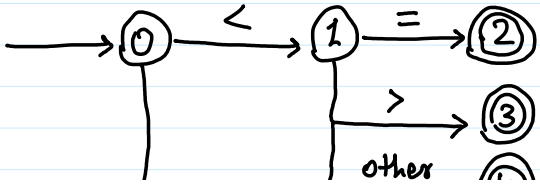


E.g:-

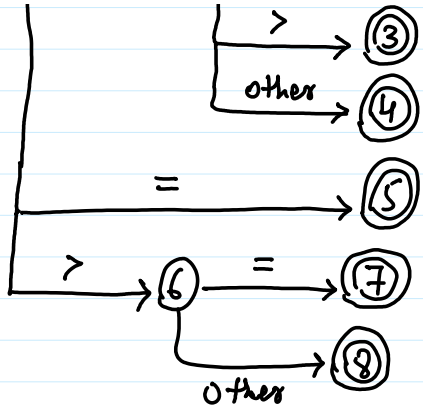
1, 10, 0.1, 123.01, 20x10^1, 20.12x10^-3

123.12 → 1.2301x10^-2, 1.2x10^2, 120

J.D for Relop:-

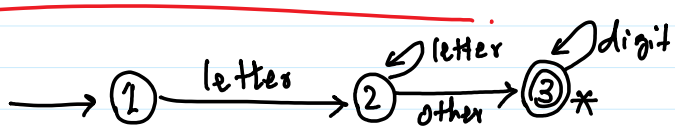


a<=b
a<>b ✓
a<b
a=b ✓



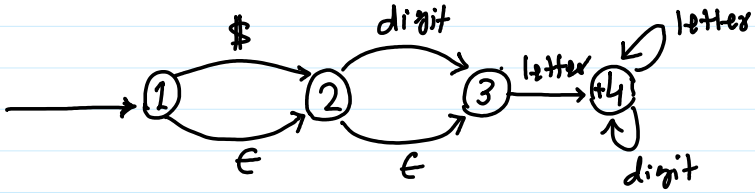
a < b
a = b
a >= b
a > b
a == b
a != b

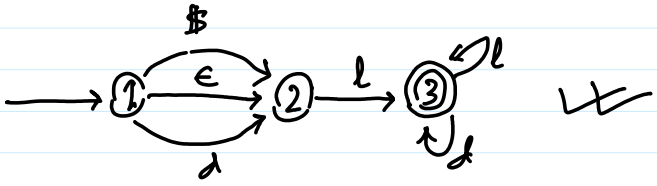
J.D For Keywords & I.D :-



; * = other

Write the R.E and draw T.D for 'Id' that can start with a digit or $ or a letter then it can be followed by letter or digit in any sequence. But for being a valid id it must contain at-least one letter.





$$(\$ | d | \epsilon)\, l\, (l | d)^*$$

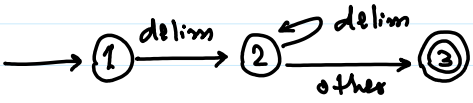
a = 1 to 10
For a = 1 to 10
a = a + b

a ## = ## a ## + ## b

Sum## = ## a ## + ## b

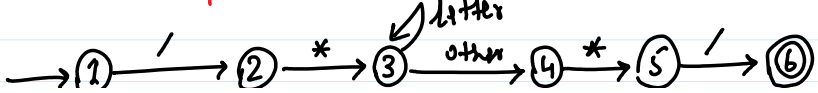
Delimiter : (Delim)

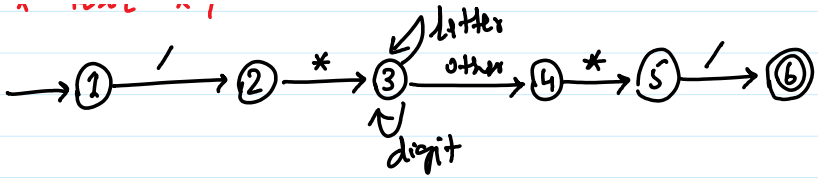
"one or more characters that separate the string"



Delim : blank | tab | new line | , | ; | pipe | brace |) |] | [

/* text */




1
/
2
*
3
letter
other
4
*
5
/
6
digit