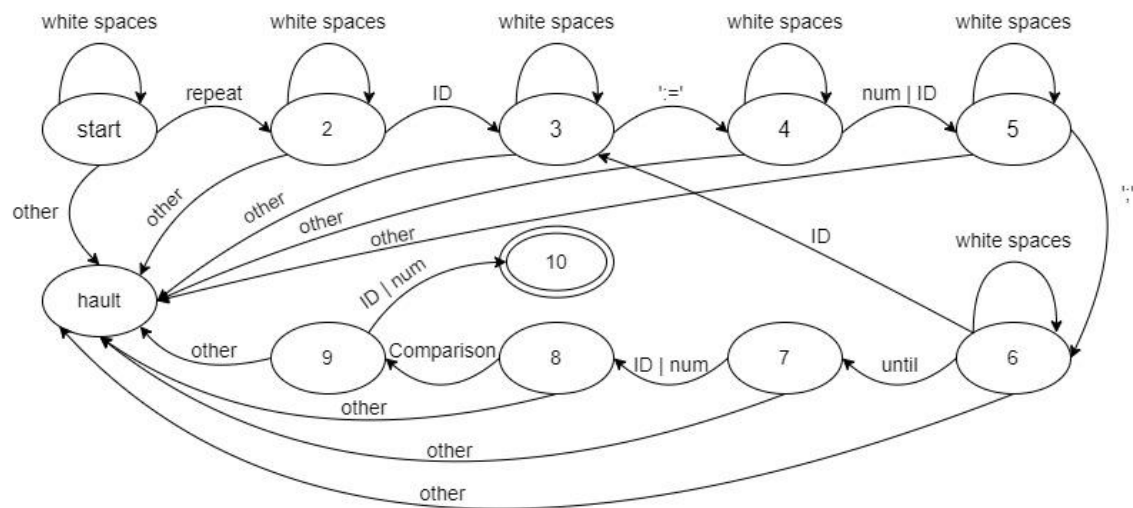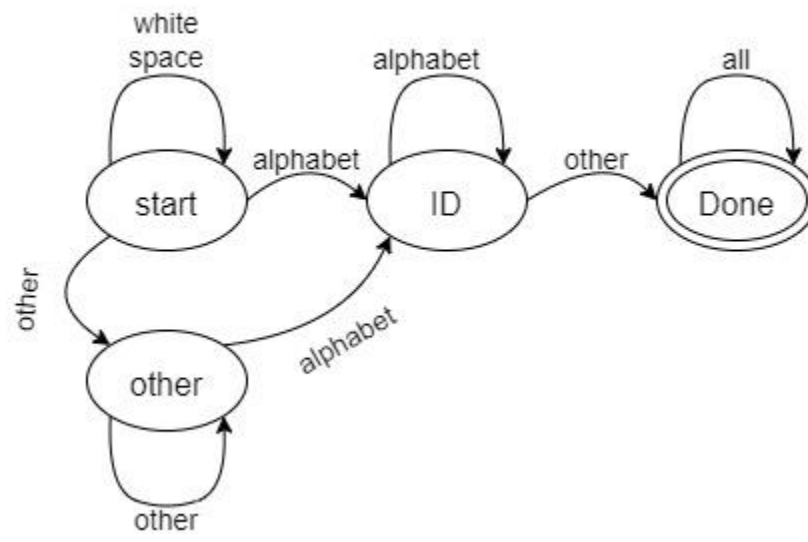## Main DFA

Regular expression:

repeat (ID := ID|NUM)* until ID (>|<|=|>=|<=) NUM|ID
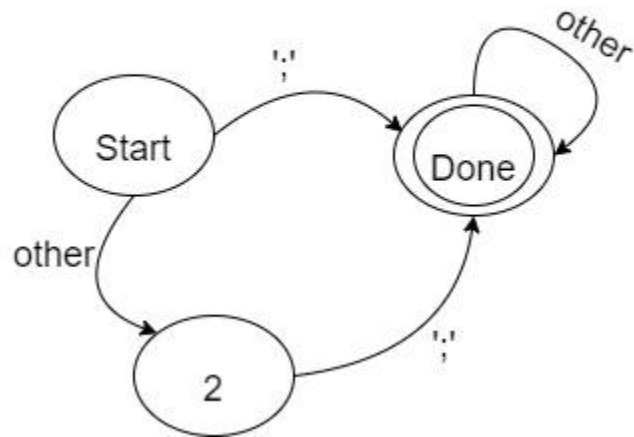
EX:

repeat x := 5 ; y := x ; Until x = 5

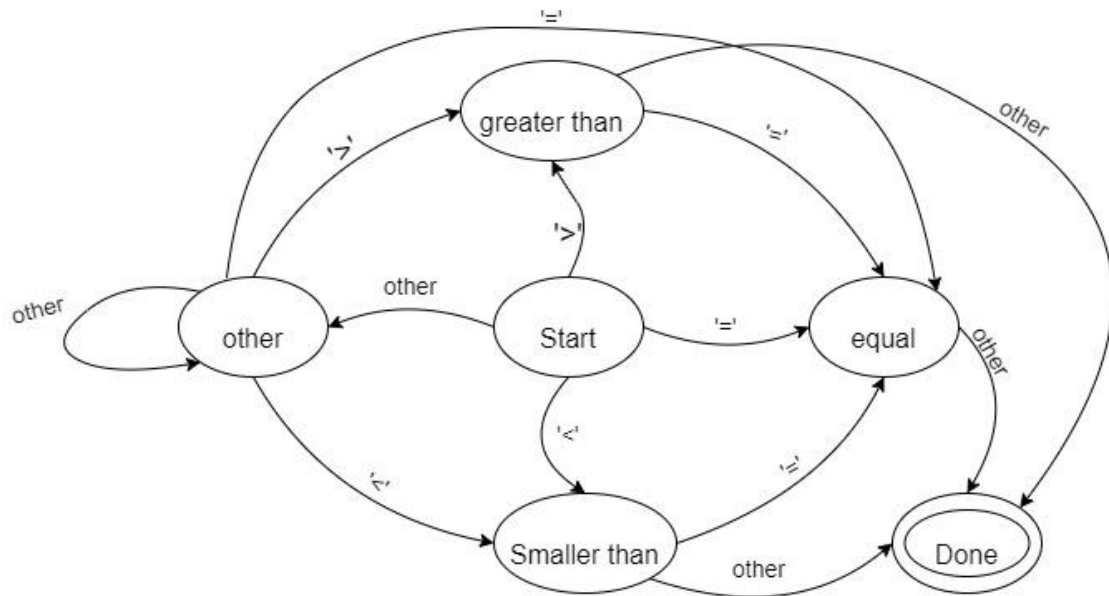# ID
DFA
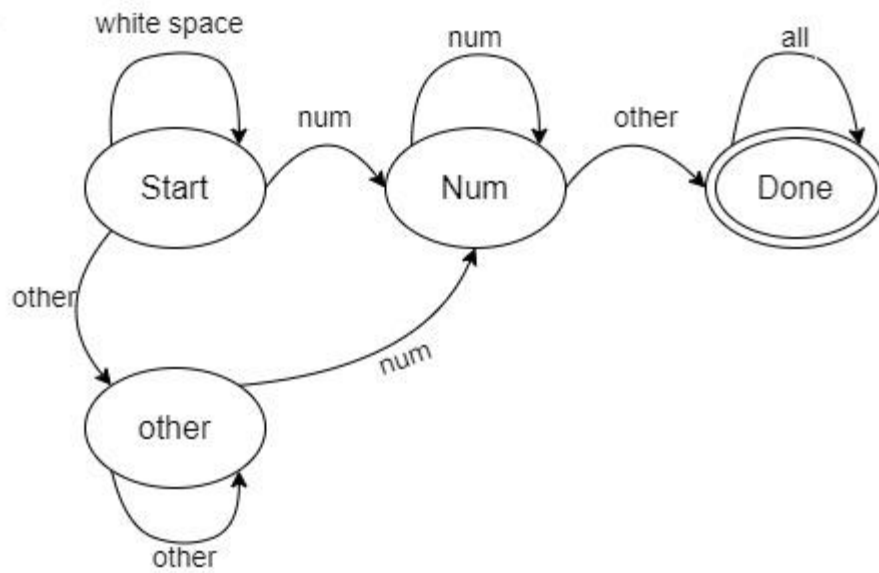$[a\text{-}z|A\text{-}Z]^+$

white space

alphabet

alphabet

all

start

other

ID

Done

other

other

other

alphabet

$[';']^+$

';'

other

Start

Done

other

';'

2

['=']'>']'<']'>=']'<=']

Numbers
DFA
$[0-9]^{+}$

Assignment

$[":="]^{+}$

start

2

done

other

other

other

other

hault

':'

'='

':'

other