Regular expresion

1- Regular expresion to match identifier

letter =_| [a-z]|[A-Z]

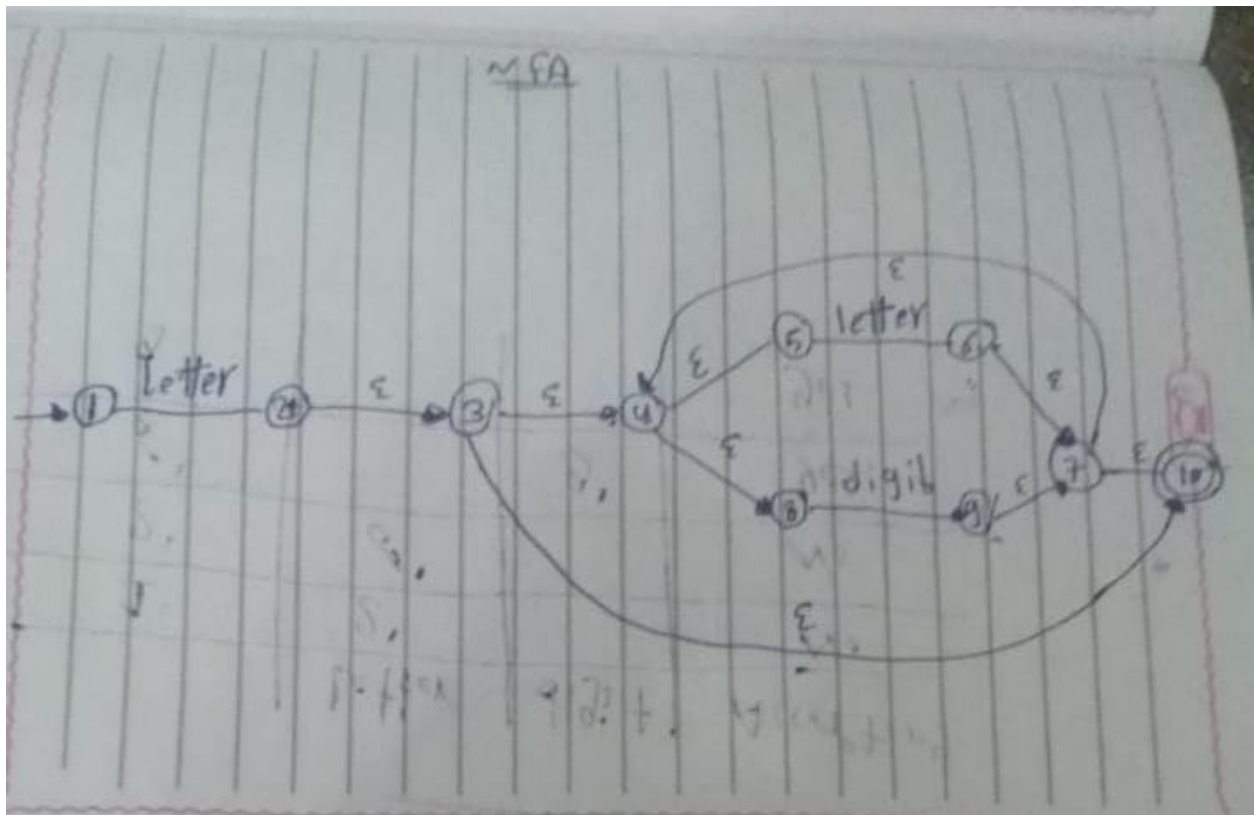digit = [0-9]

identifier = letter (letter|digit)*

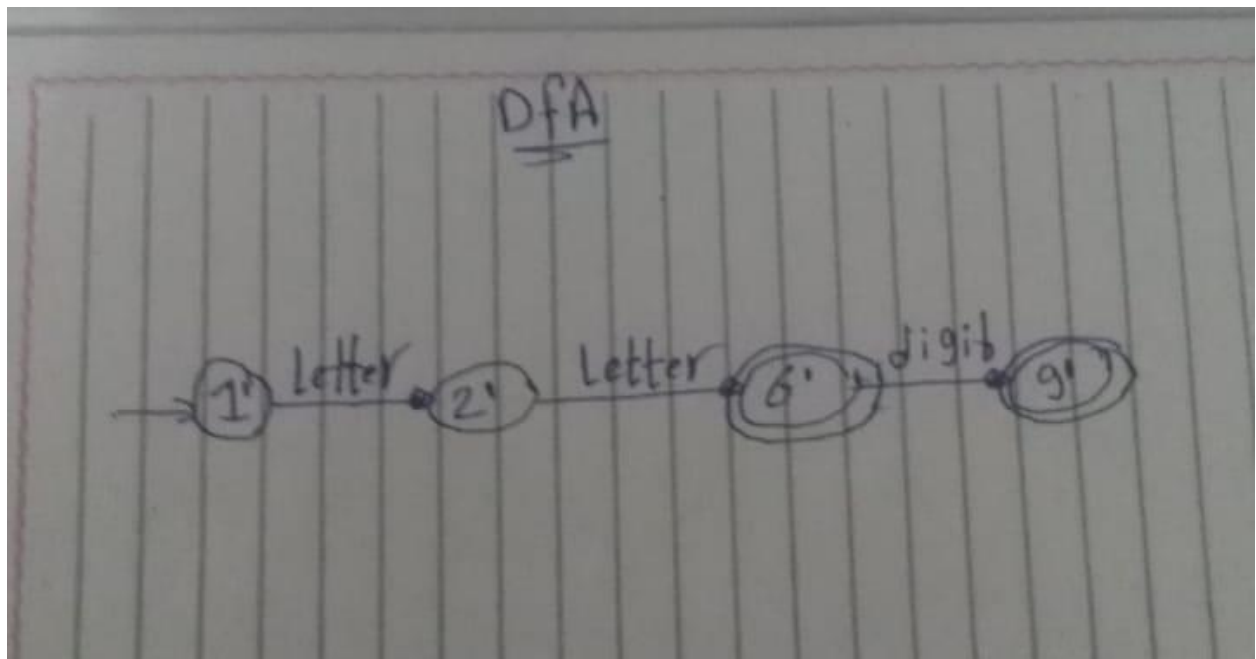# [_a-zA-Z][_a-zA-Z|0-9]*

Finite automate:

NFA by using Thompson's construction:

DFA by using subset construction:

TransitionTable:

Transition table

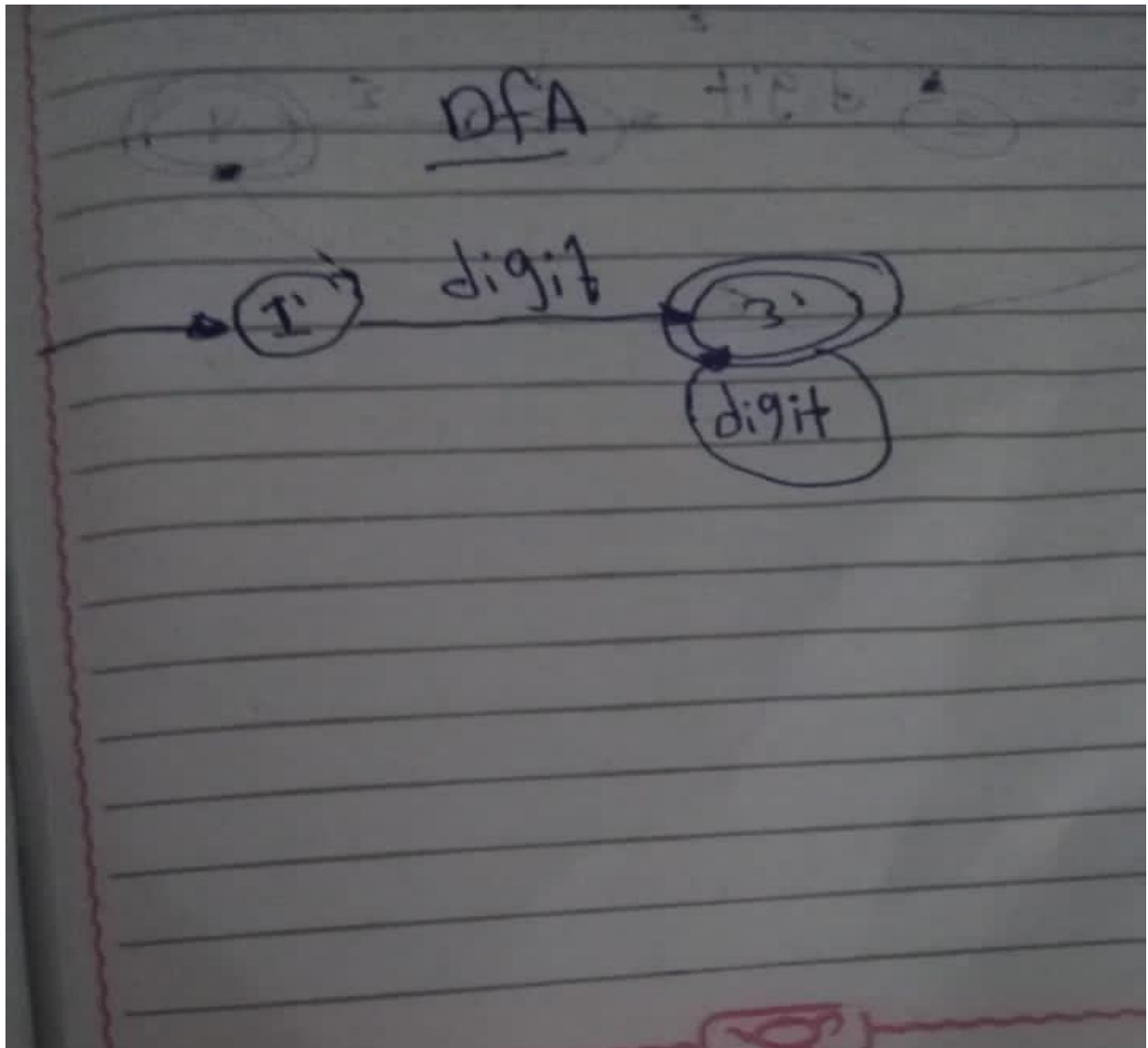|	Letter	digit	Accepting
1'	2'		No
2'	6'		No
6'		9'	Yes
9'			Yes

2-Regular expresion to match identifier exception

^[0-9]*$

NFA by using Thompson's construction:
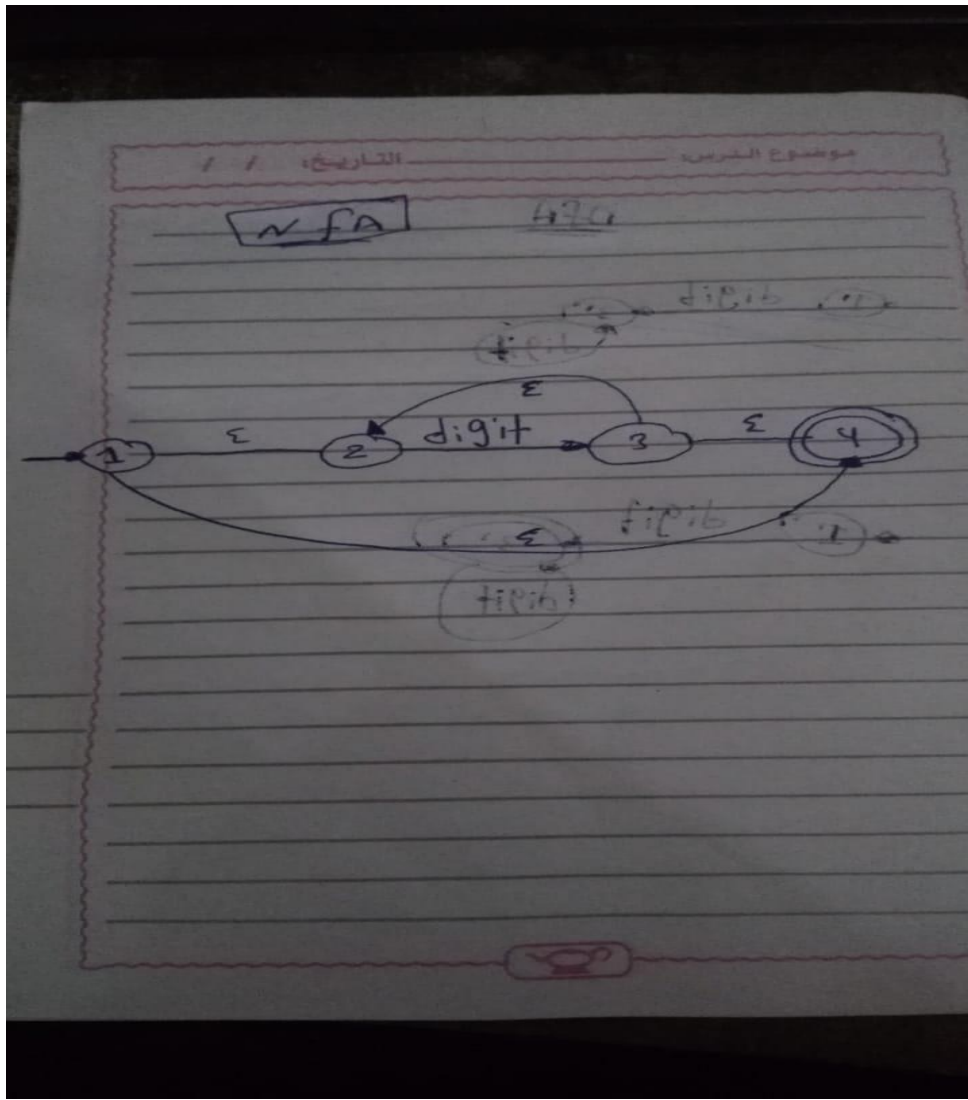
DFA by using subset construction:

Transition Table:

(Transition table)

	digit	accepting
1'	3'	No
3'	3'	yes.