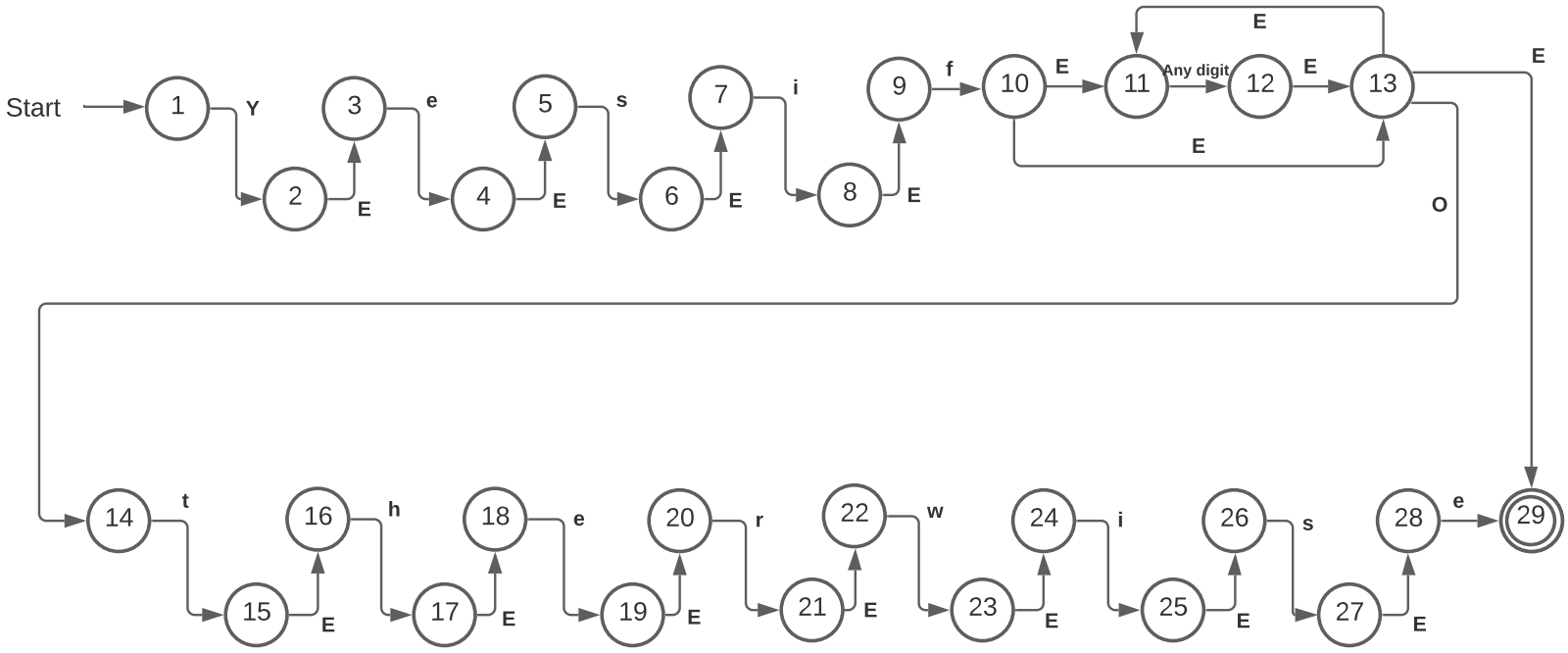
Yesif-Otherwise

Regex

Yesif.~(Otherwise | E)

NFA

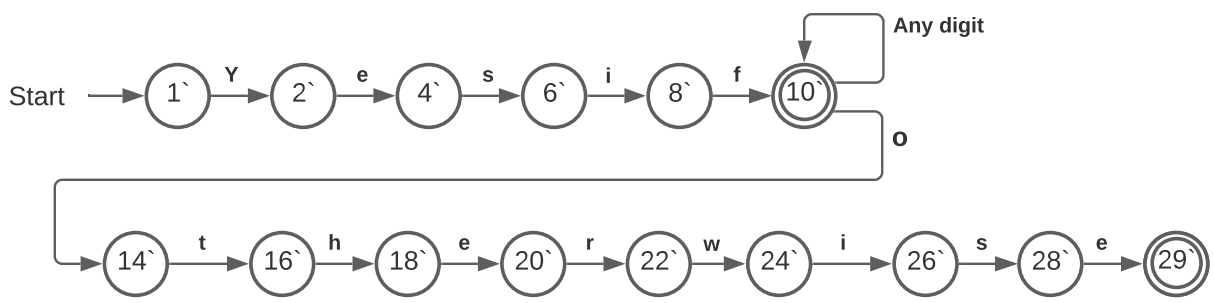


1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8,9}
9` = {9}

10` = {10,11,13}
11` = {11,12}
12` = {12,13}
13` = {11,13,14,29}

14` = {14}
15` = {15,16}
16` = {16}
17` = {17,18}
18` = {18}
19` = {19,20}
20` = {20}
21` = {20,21}
22` = {22}
23` = {23,24}
24` = {24}
25` = {25,26}
26` = {26}
27` = {27,28}
28` = {28}

DFA



Transition Table

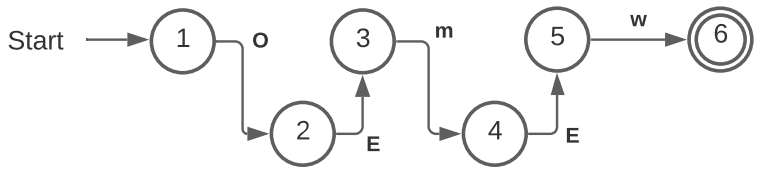
	Y	e	s	i	f	o	t	h	r	w	Any digit
1`	2`										
2`		4`									
4`			6`								
6`				8`							
8`					10`						
10`						14`					10`
14`							16`				
16`								18`			
18`		20`									
20`									22`		
22`										24`	
24`				26`							
26`			28`								
28`		29`									
29`											

Omw

Regex

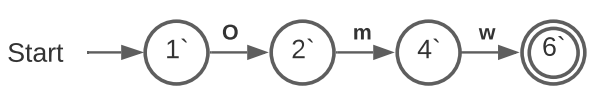
Omw

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6}

DFA



Transition Table

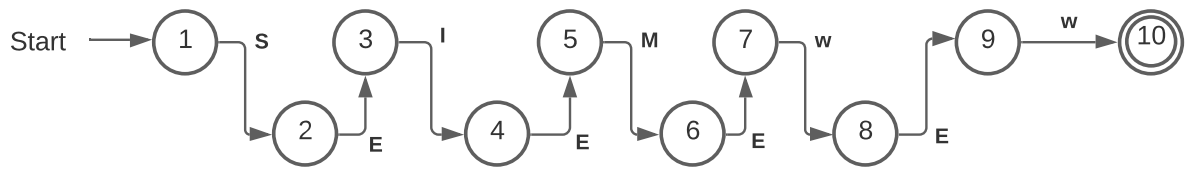
	O	m	w
1`	2`		
2`		4`	
4`			6`
6`			

SIMww

Regex

SIMww

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8,9}
9` = {9}
10` = {10}

DFA

Transition Table

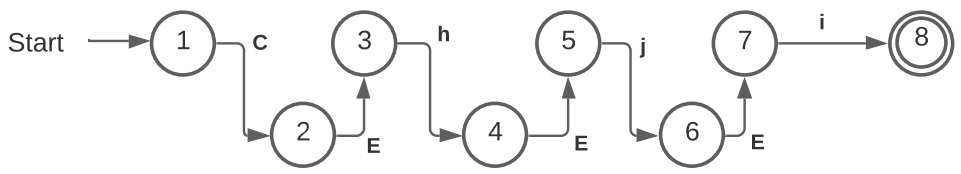
	S	I	M	w
1`	2`			
2`		4`		
4`			6`	
6`				8`
8`				10`
10`				

Chji

Regex

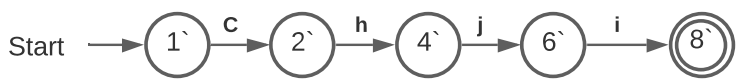
Chji

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8}

DFA



Transition Table

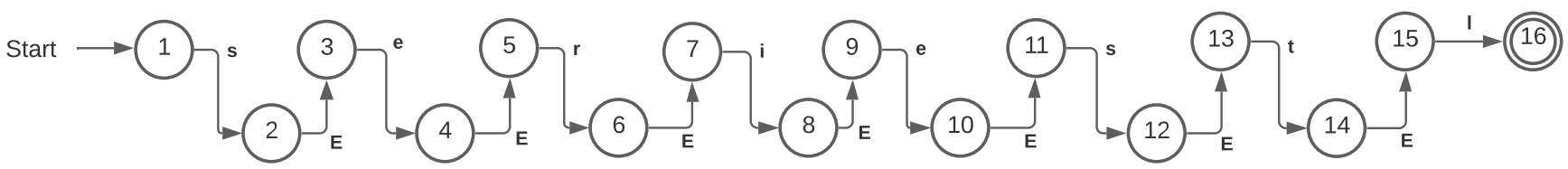
	C	h	j	i
1`	2`			
2`		4`		
4`			6`	
6`				8`
8`				

Seriestl

Regex

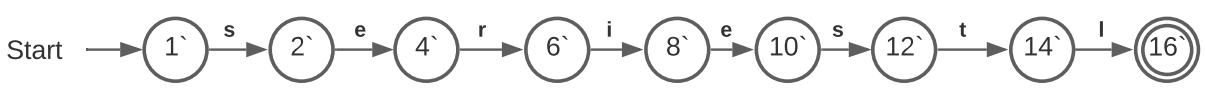
Seriestl

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8,9}
9` = {9}
10` = {10,11}
11` = {11}
12` = {12,13}
13` = {13}
14` = {14,15}
15` = {15}
16` = {16}

DFA



Transition Table

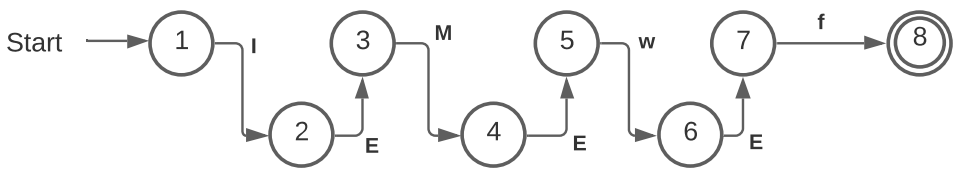
	s	e	r	i	t	l
1`	2`					
2`		4`				
4`			6`			
6`				8`		
8`		10`				
10`	12`					
12`					14`	
14`						16`
16`						

IMwf

Regex

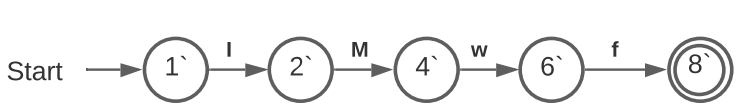
IMwf

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8}

DFA



Transition Table

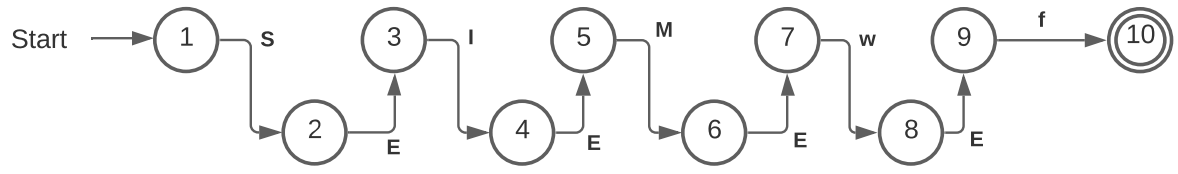
	I	M	w	f
1`	2`			
2`		4`		
4`			6`	
6`				8`
8`				

SIMwf

Regex

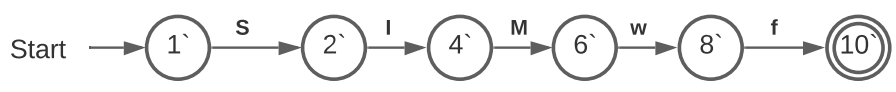
SIMwf

NFA



1` = {1}
2` = {2,3}
3` = {3}
4` = {4,5}
5` = {5}
6` = {6,7}
7` = {7}
8` = {8,9}
9` = {9}
10` = {10}

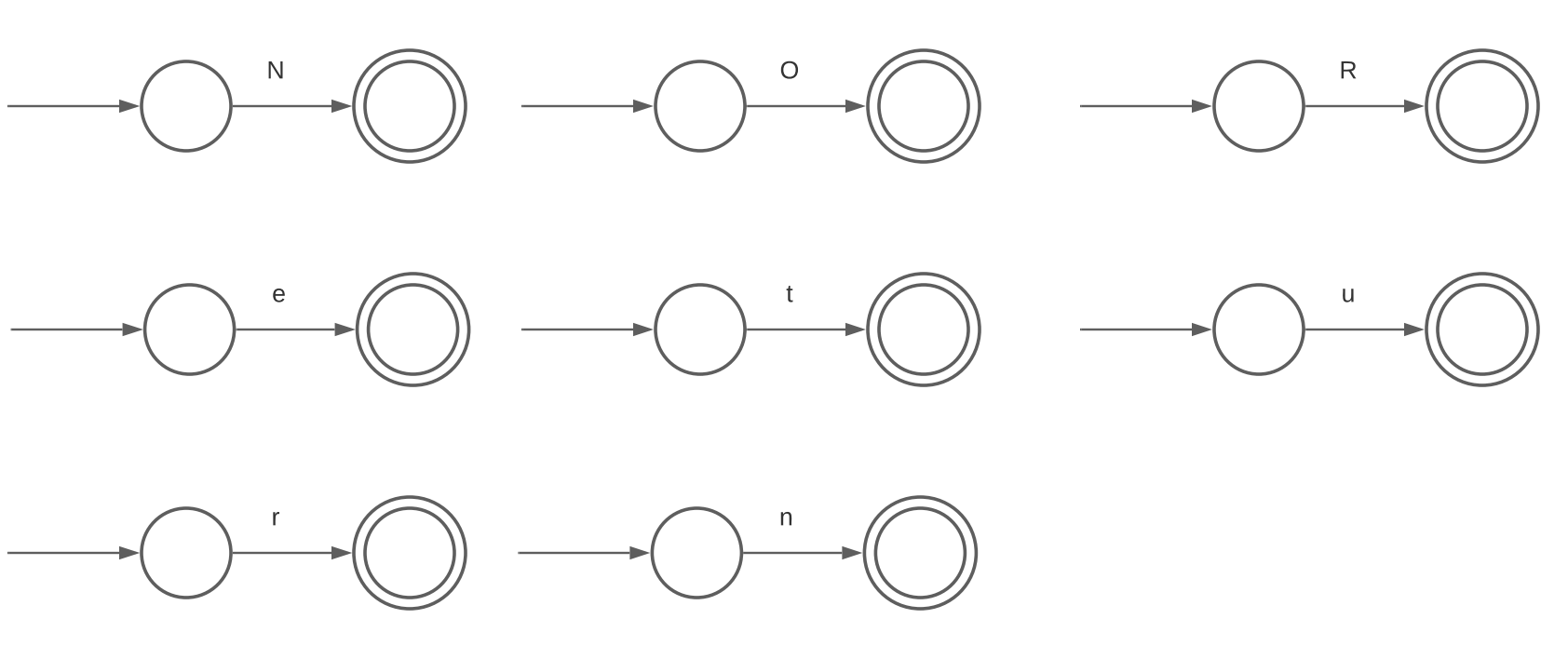
DFA



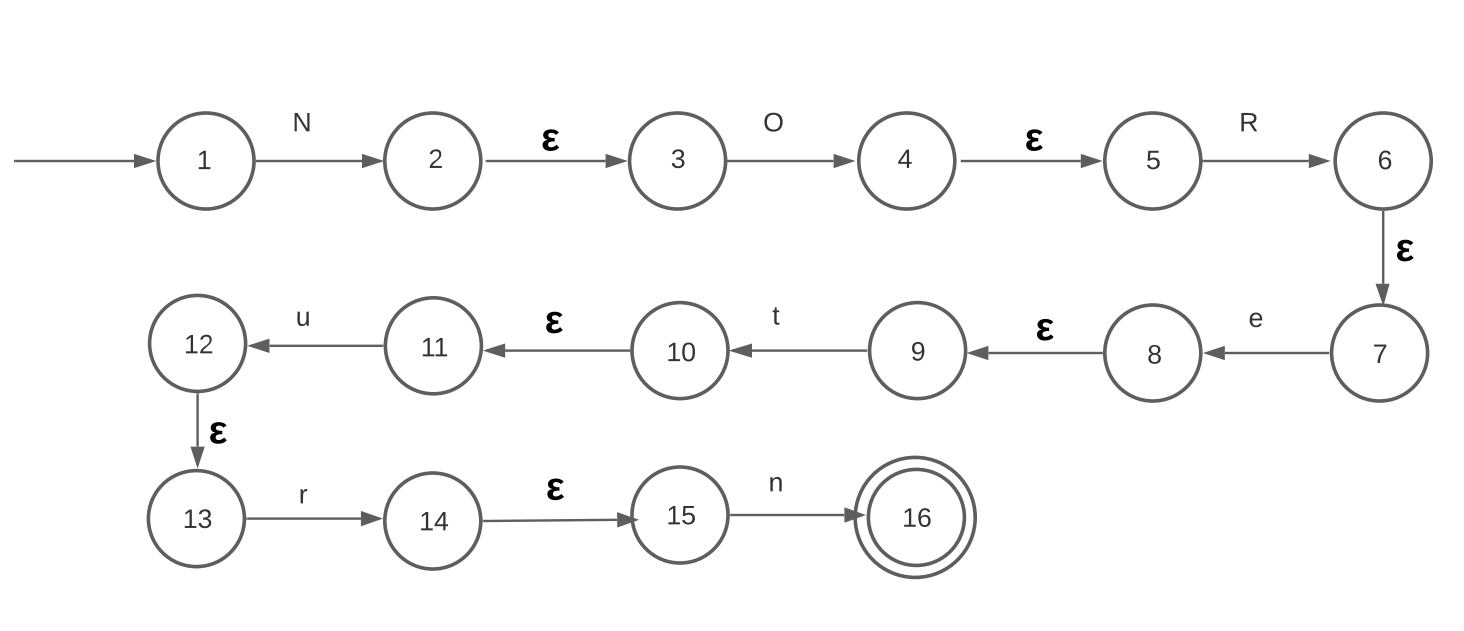
Transition Table

	S	I	M	w	f
1`	2`				
2`		4`			
4`			6`		
6`				8`	
8`					10`
10`					

RE = **NOReturn**



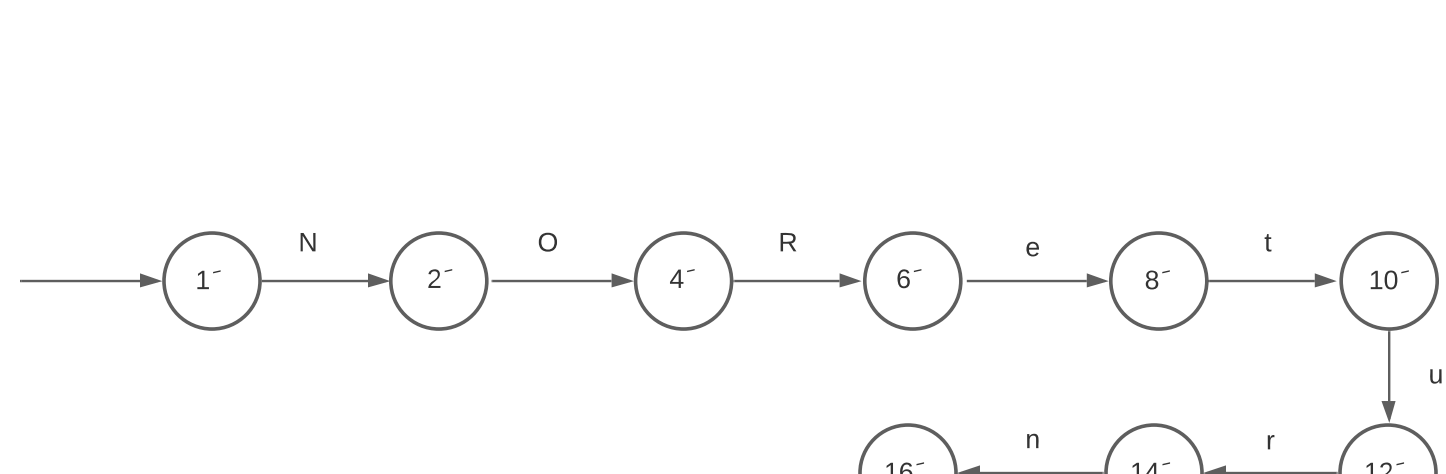
NFA



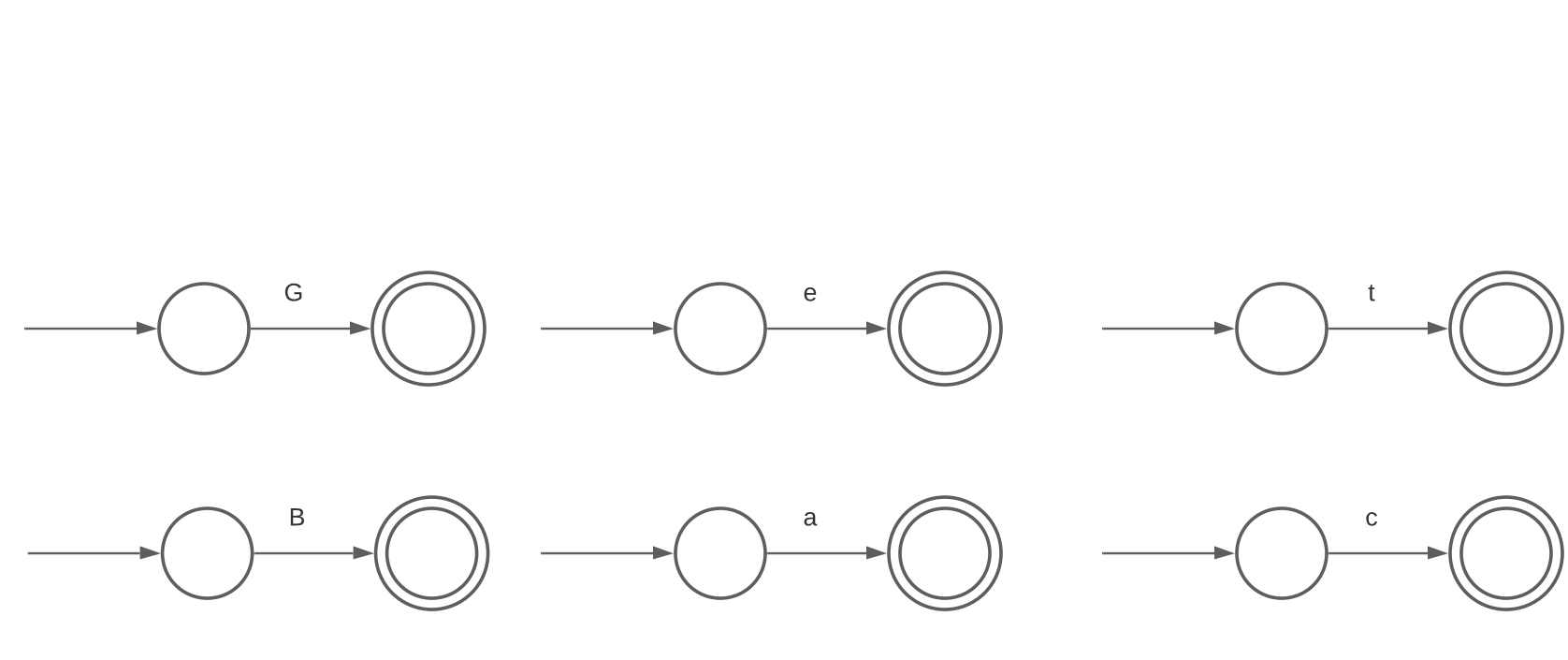
1´ = {1}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}
10´ = {10,11}
11´ = {11}
12´ = {12,13}
13´ = {13}
14´ = {14,15}
15´ = {15}

	N	O	R	e	t	u	r	n
1´	2´							
2´		4´						
4´			6´					
6´				8´				
8´					10´			
10´						12´		
12´							14´	
14´								16´
16´								

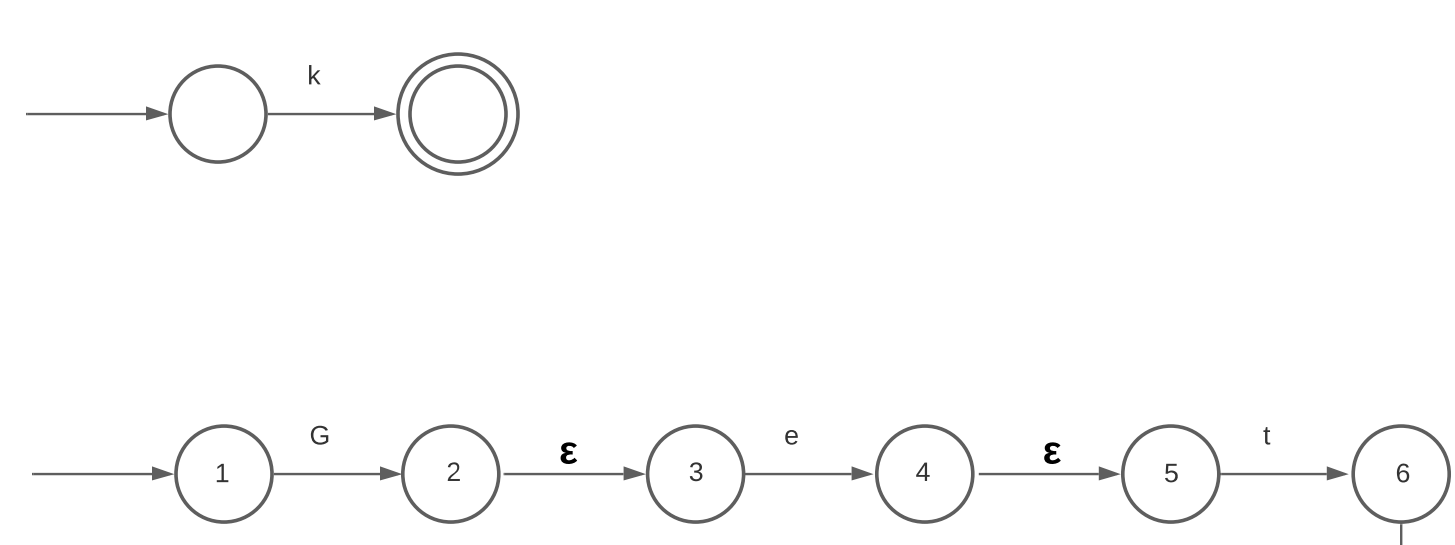
DFA



RE = **GetBack**



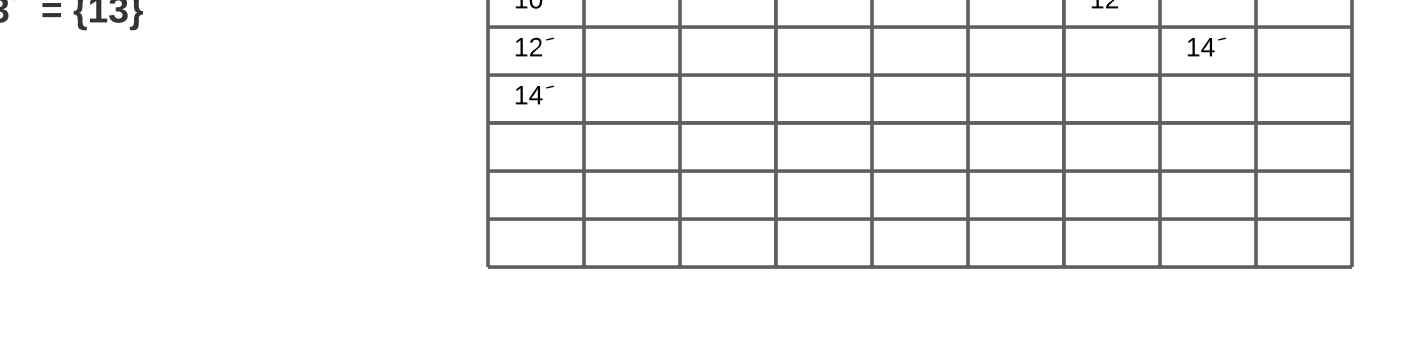
NFA



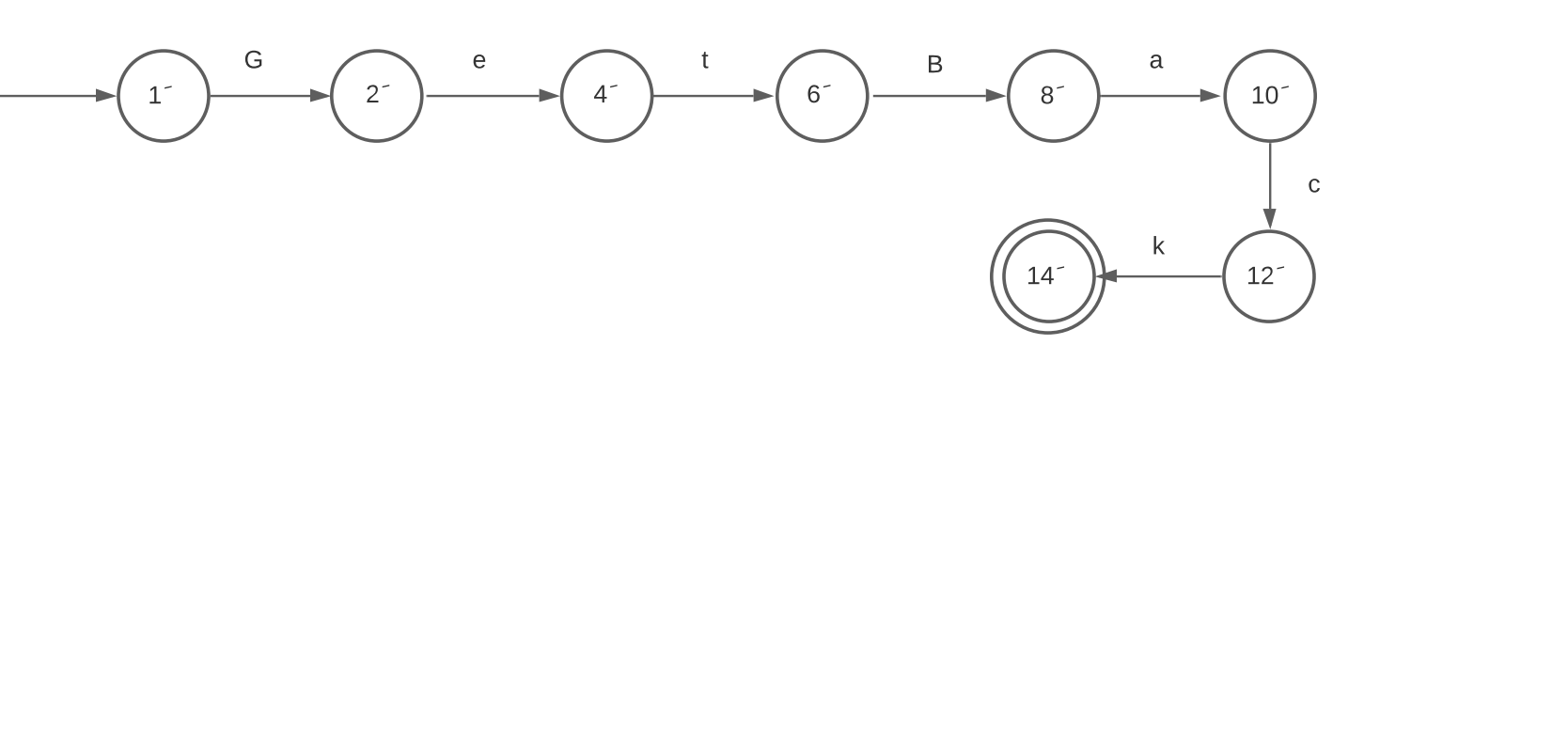
1´ = {1}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}
10´ = {10,11}
11´ = {11}
12´ = {12,13}
13´ = {13}

	G	e	t	B	a	c	k	
1´	2´							
2´		4´						
4´			6´					
6´				8´				
8´					10´			
10´						12´		
12´							14´	
14´								

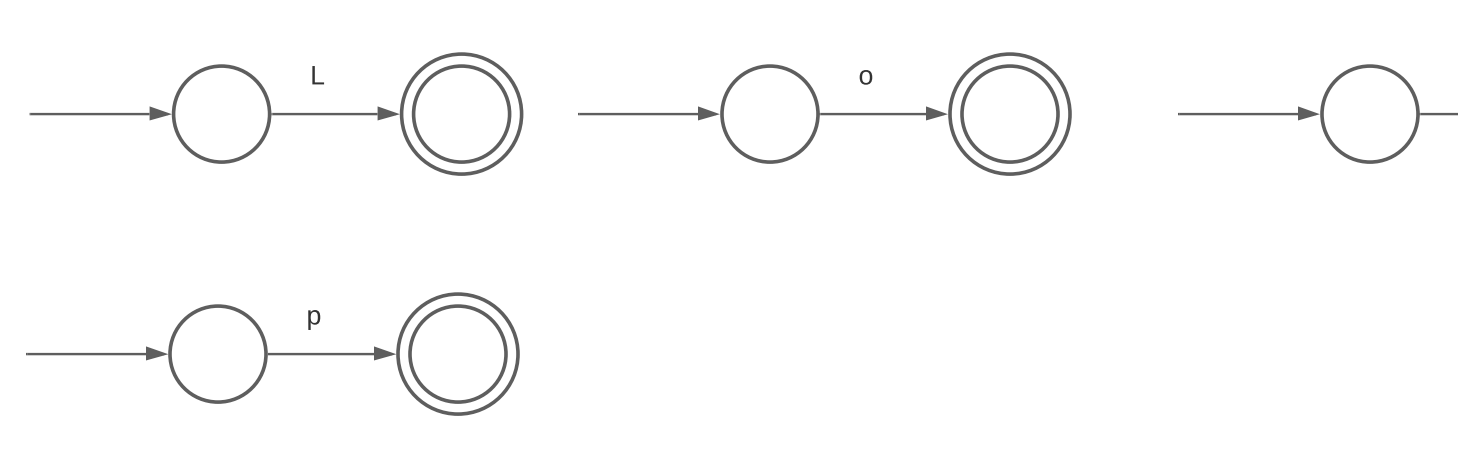
DFA



RE = **OutLoop**



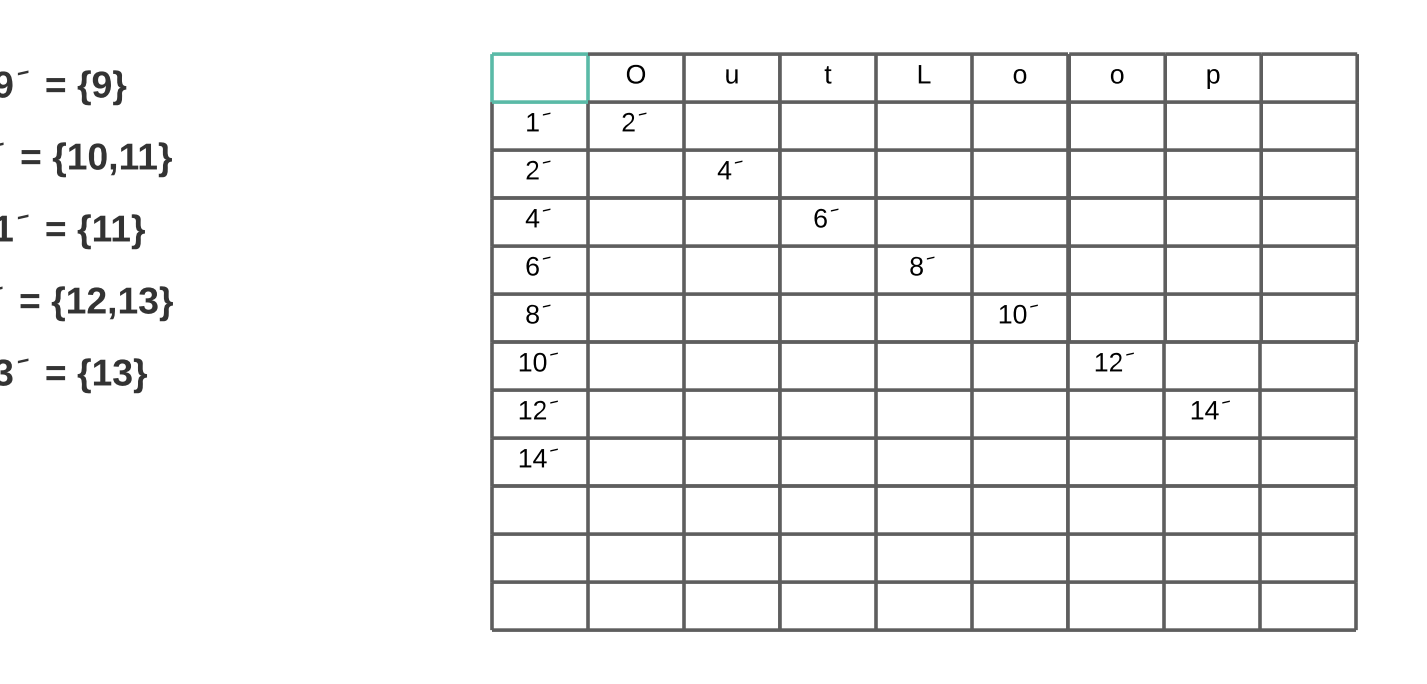
NFA



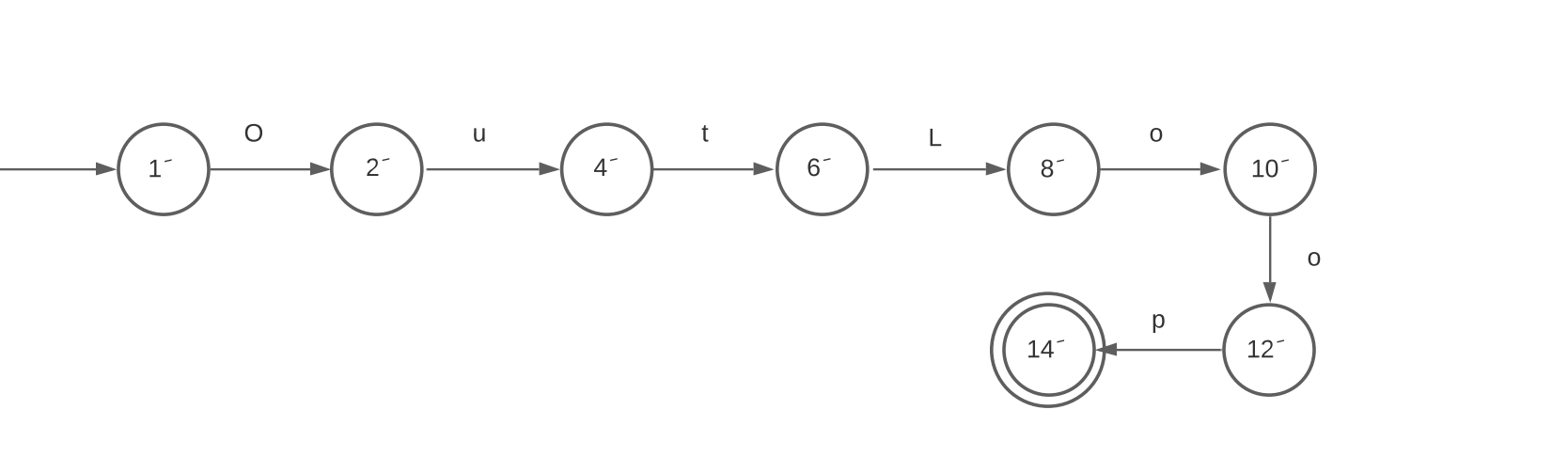
1´ = {1}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}
10´ = {10,11}
11´ = {11}
12´ = {12,13}
13´ = {13}

	O	u	t	L	o	o	p	
1´	2´							
2´		4´						
4´			6´					
6´				8´				
8´					10´			
10´						12´		
12´							14´	
14´								

DFA



RE = **Loli**



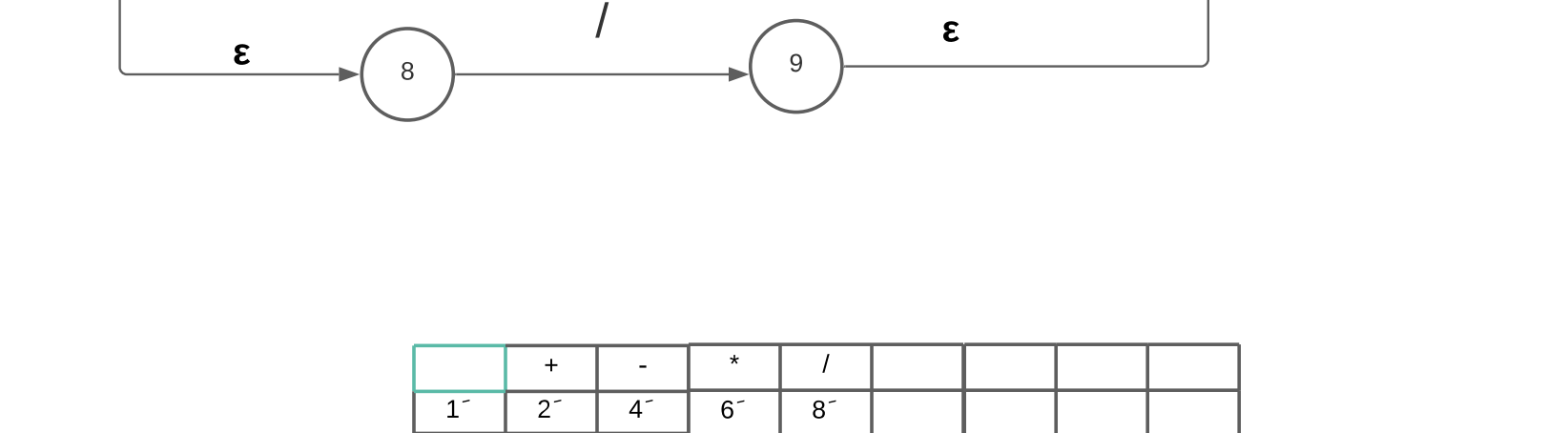
NFA

1´ = {1}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}

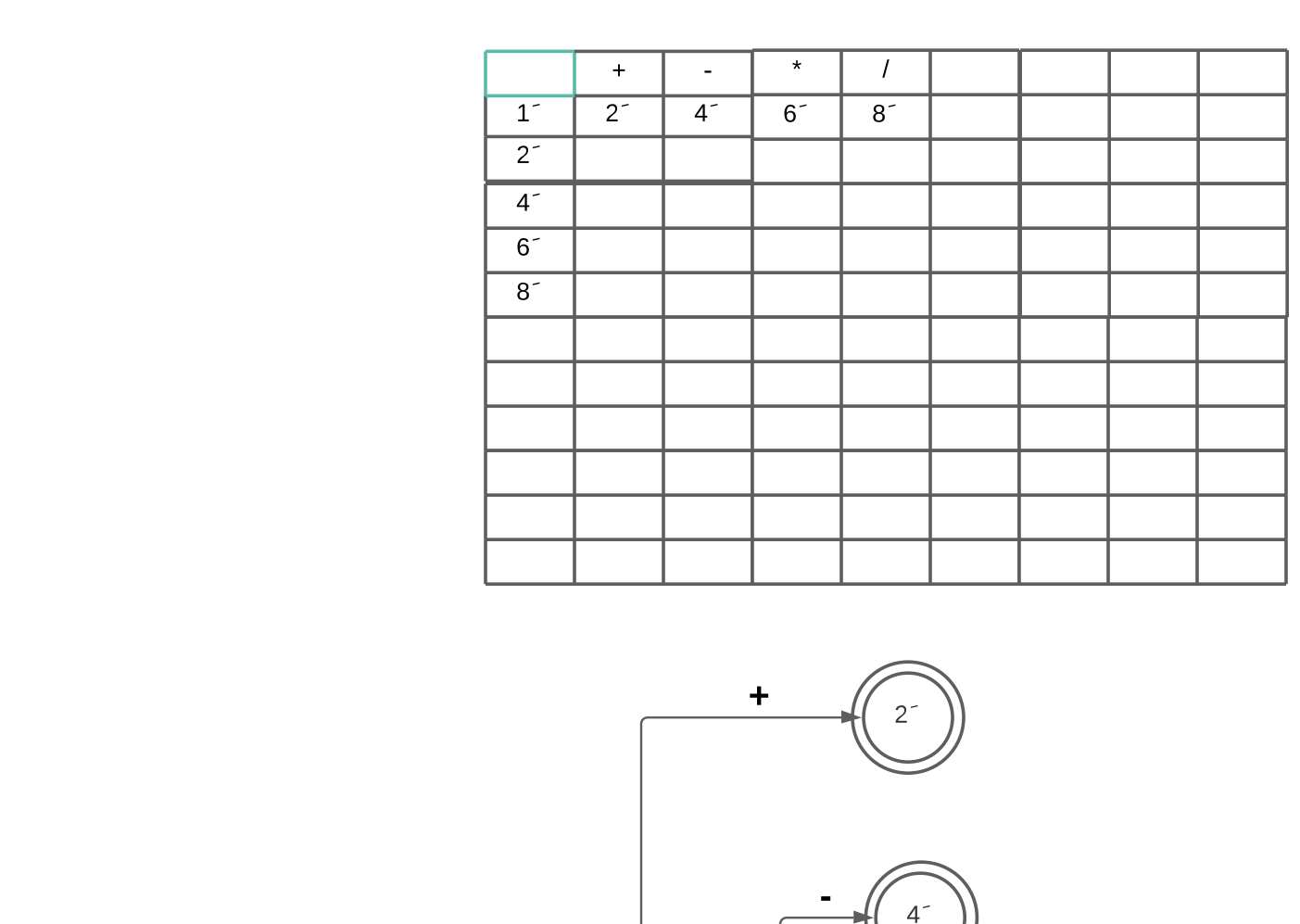
	L	o	l	i				
1´	2´							
2´		4´						
4´			6´					
6´				8´				
8´								

DFA

RE = **+ | - | * | /**



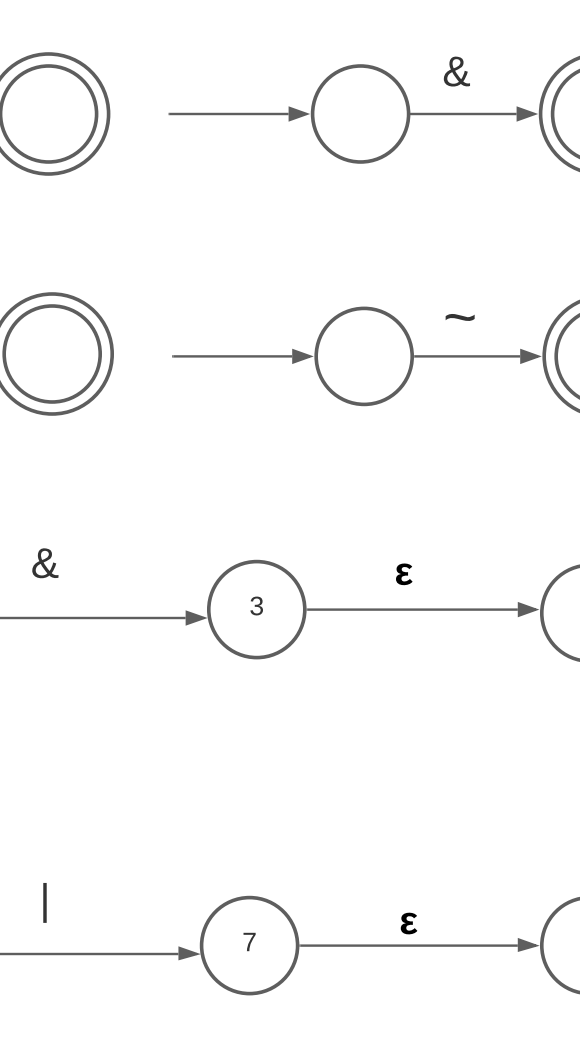
NFA



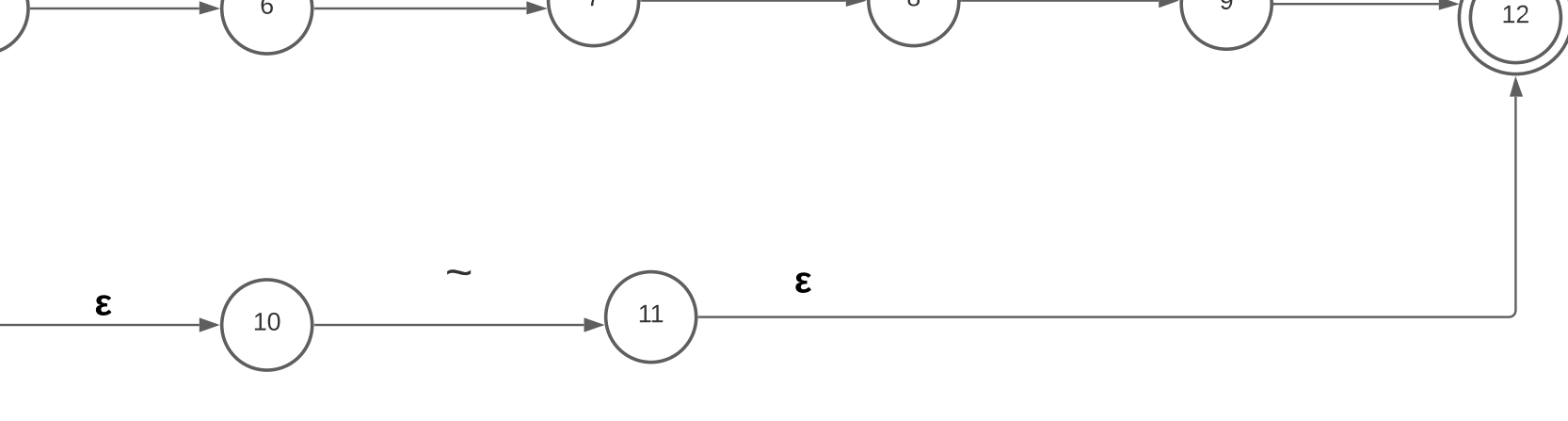
1´ = {1,2,4,6,8}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}

	+	-	*	/				
1´	2´	4´	6´	8´				
2´								
4´								
6´								
8´								

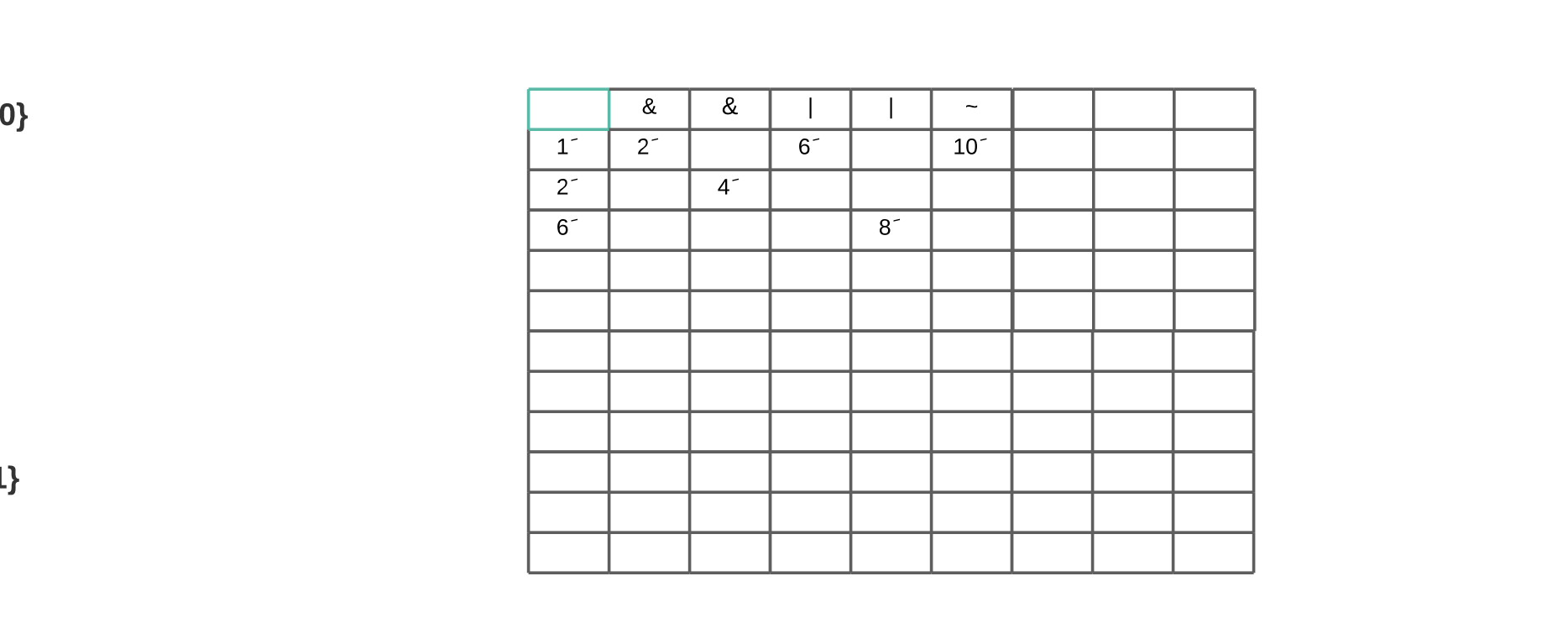
DFA



RE = **&& | || | ~**



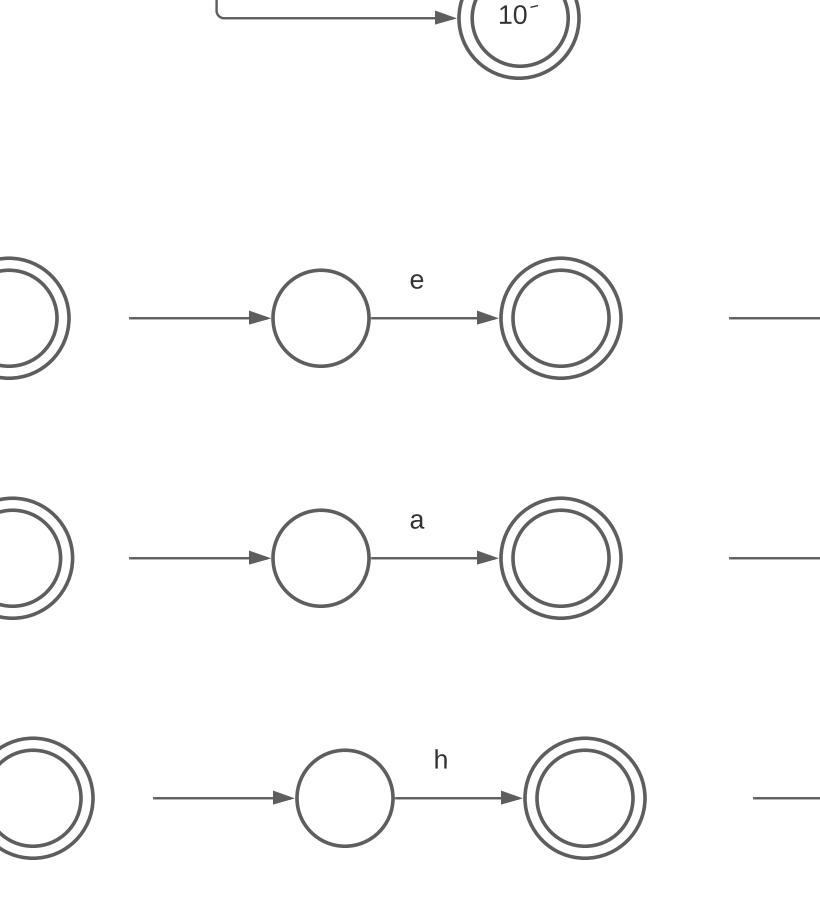
NFA



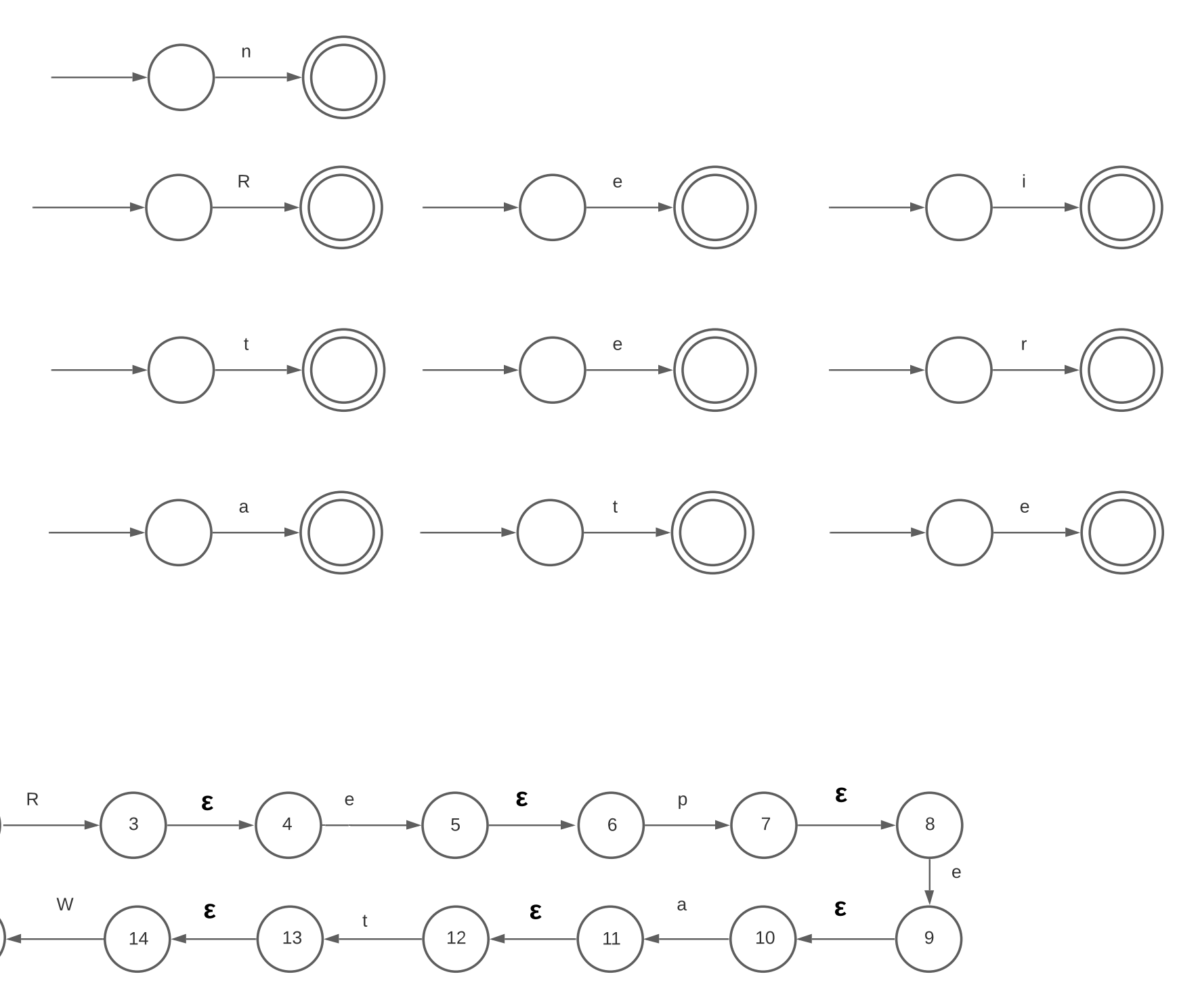
1´ = {1,2,6,10}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}
10´ = {10,11}
11´ = {11}

	&	&	|	|	~			
1´	2´		6´		10´			
2´		4´						
6´				8´				

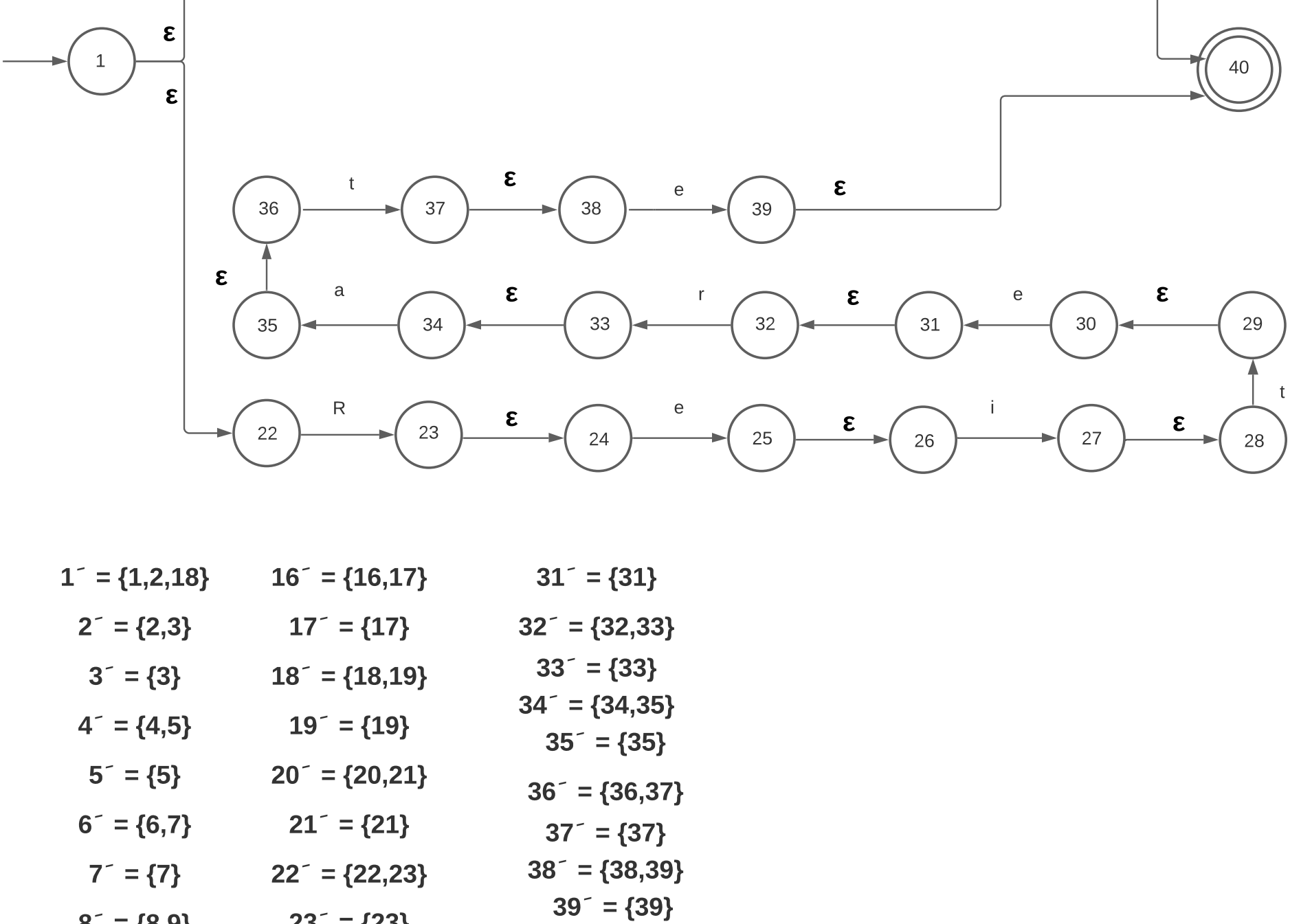
DFA



RE = **RepeatWhen|Reiterate**



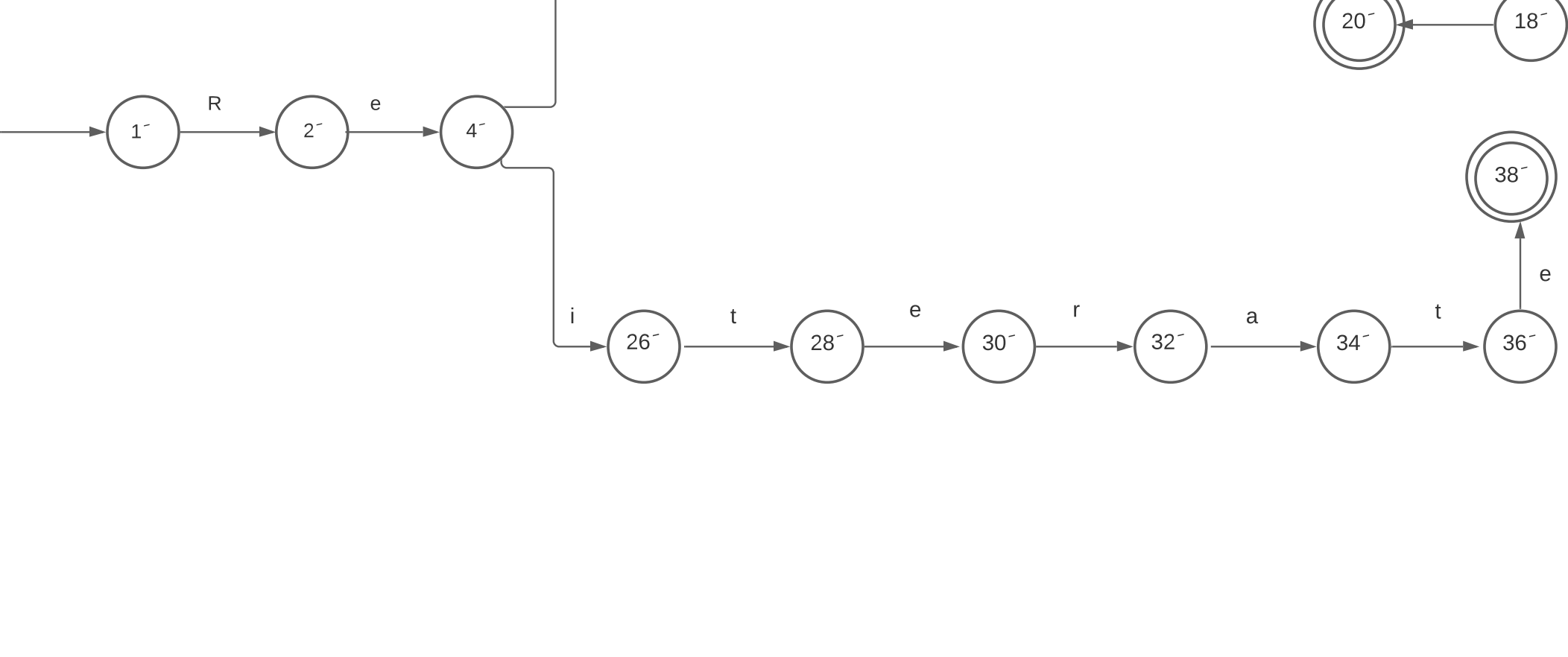
NFA



1´ = {1,2,18}
2´ = {2,3}
3´ = {3}
4´ = {4,5}
5´ = {5}
6´ = {6,7}
7´ = {7}
8´ = {8,9}
9´ = {9}
10´ = {10,11}
11´ = {11}
12´ = {12,13}
13´ = {13}
14´ = {14,15}
15´ = {15}
16´ = {16,17}
17´ = {17}
18´ = {18,19}
19´ = {19}
20´ = {20,21}
21´ = {21}
22´ = {22,23}
23´ = {23}
24´ = {24,25}
25´ = {25}
26´ = {26,27}
27´ = {27}
28´ = {28,29}
29´ = {29}
30´ = {30,31}
31´ = {31}
32´ = {32,33}
33´ = {33}
34´ = {34,35}
35´ = {35}
36´ = {36,37}
37´ = {37}
38´ = {38,39}
39´ = {39}

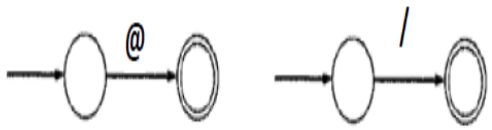
	R	e	p	e	a	t	W	h	e	n	R	e	i	t	e	r	a	t	e
1´	2´										2´								
2´		4´										4´							
4´			6´										26´						
6´				8´															
8´					10´														
10´						12´													
12´							14´												
14´								16´											
16´									18´										
18´										20´									
26´														28´					
28´															30´				
30´																32´			
32´																	34´		
34´																		36´	
36´																			38´

DFA

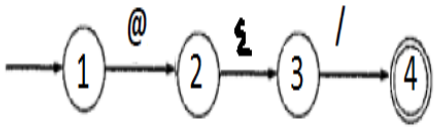


@/	Used to a matcher to Comment left side (Multiple Lines)	Comment

RE = @/



NFA



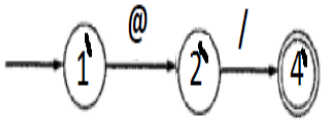
1'={1} 1--------@-------->2 1'---------@---------->2'

2'={2,3} 3----------/---------->4 2'----------/---------->4'

	@	/
1'	2'	
2'		4'
4'		

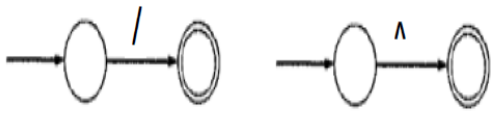
Transition Table

DFA

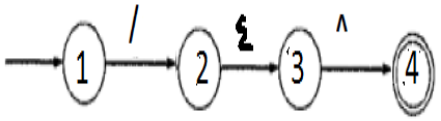


/^	Used to Comment some portion of code (Single Line)	Comment

RE = /^



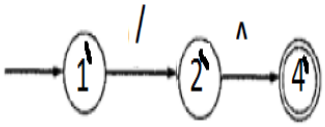
NFA



1'={1} 1--------/------>2 1'---------/---->2'

2'={2,3} 3----------^---->4 2'----------^---->4'

DFA

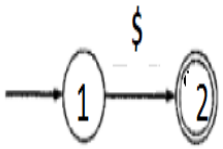


	/	^
1'	2'	
2'		4'
4'		

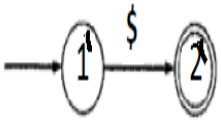
Transition Table

$	Used as Token Delimiter	Token Delimiter

RE = $

NFA 

1={1} 1--------$-->2 1---------$-->2

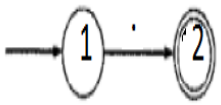
DFA 

	$
1	2
2	

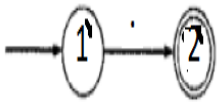
Transition Table

.	Used as Line Delimiter	Line Delimiter

RE = .

NFA 

1={1} 1--------->2 1---------->2

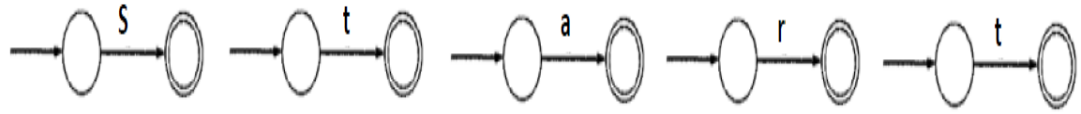
DFA 

	.
1	2
2	

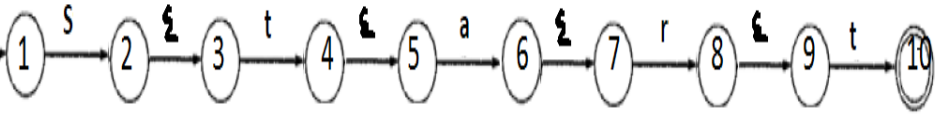
Transition Table

Start	Program Starting Statement	Start

RE = Start



NFA



1'={1} 1---S--->2 1'---S--->2'

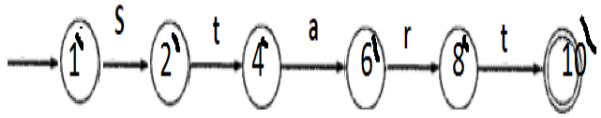
2'={2,3} 3---t--->4 2'---t--->4'

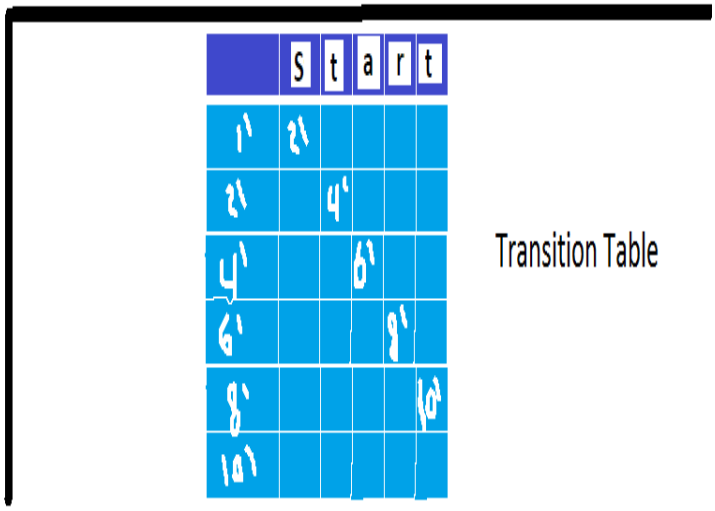
4'={4,5} 5---a--->6 4'---a--->6'

6'={6,7} 7---r--->8 6'---r--->8'

8'={8,9} 9---t--->10 9'---t--->10'

DFA

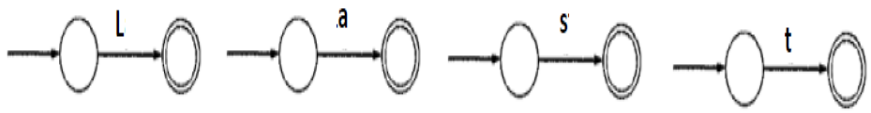




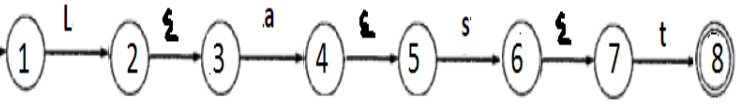
Transition Table

Last	Used as Line Delimiter	End

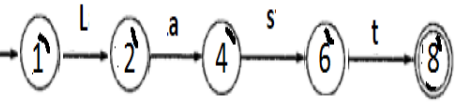
RE = Last



NFA



DFA



1'={1} 1---L--->2 1'---L--->2'

2'={2,3} 3---a--->4 2'---a--->4'

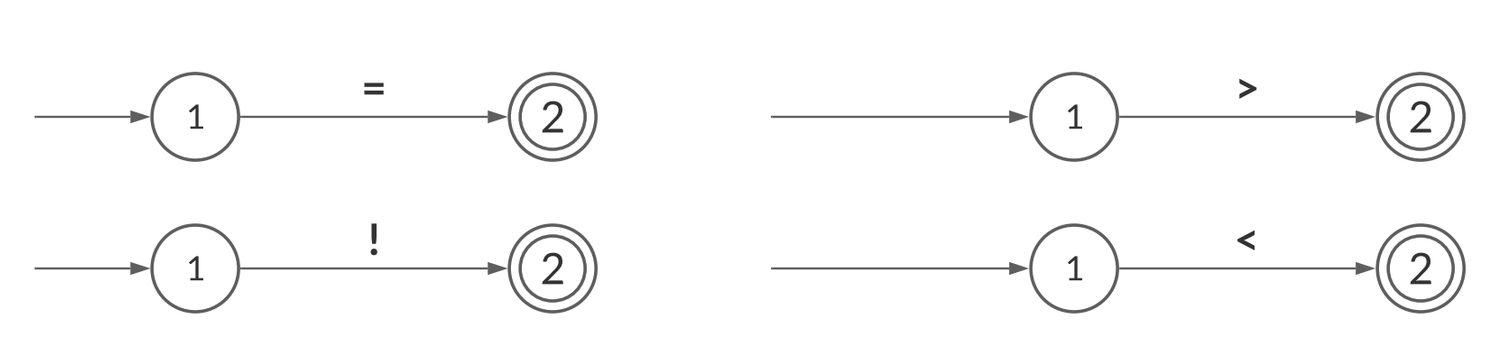
4'={4,5} 5---s--->6 4'---s--->6'

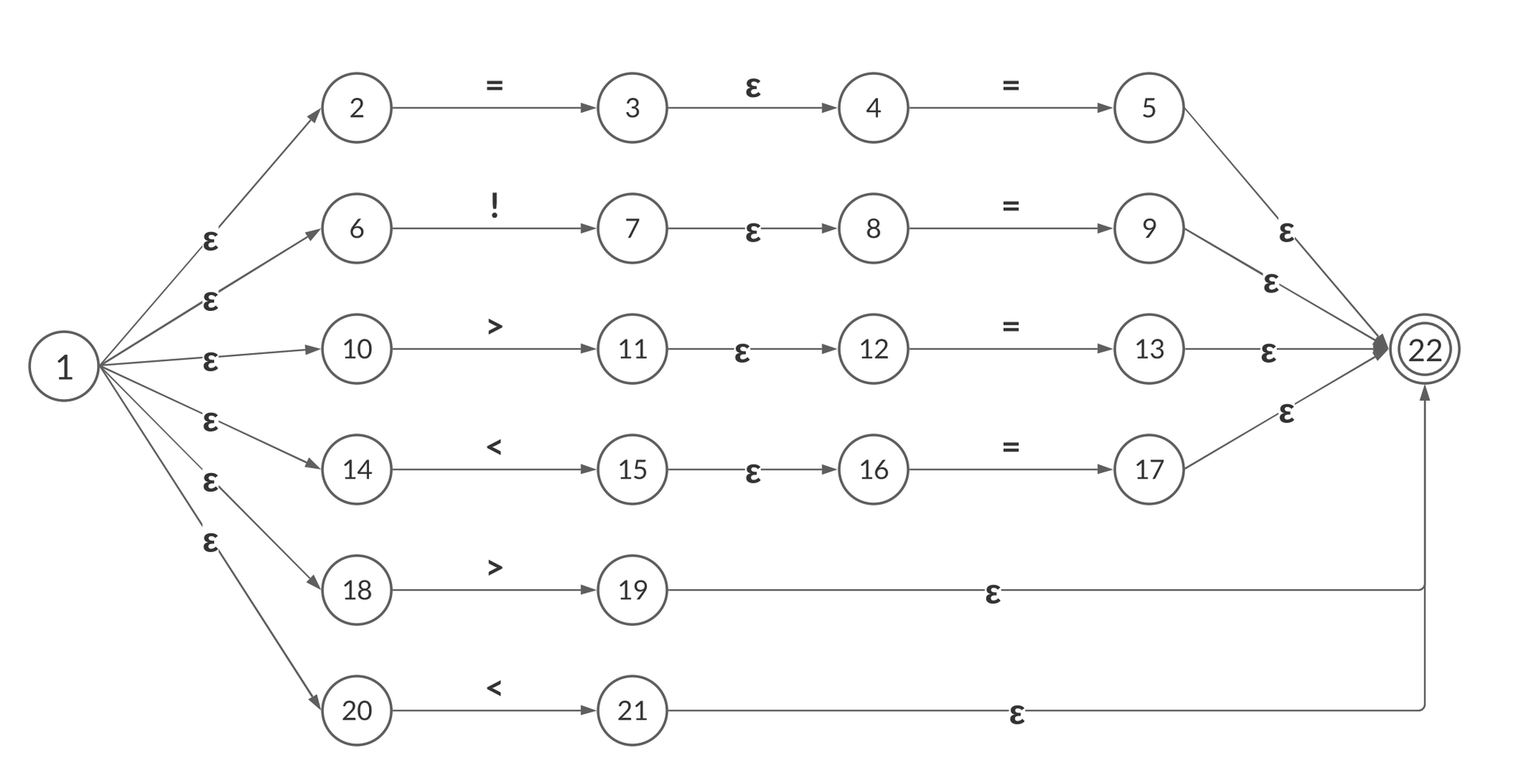
6'={6,7} 7---t--->8 6'---t--->8'

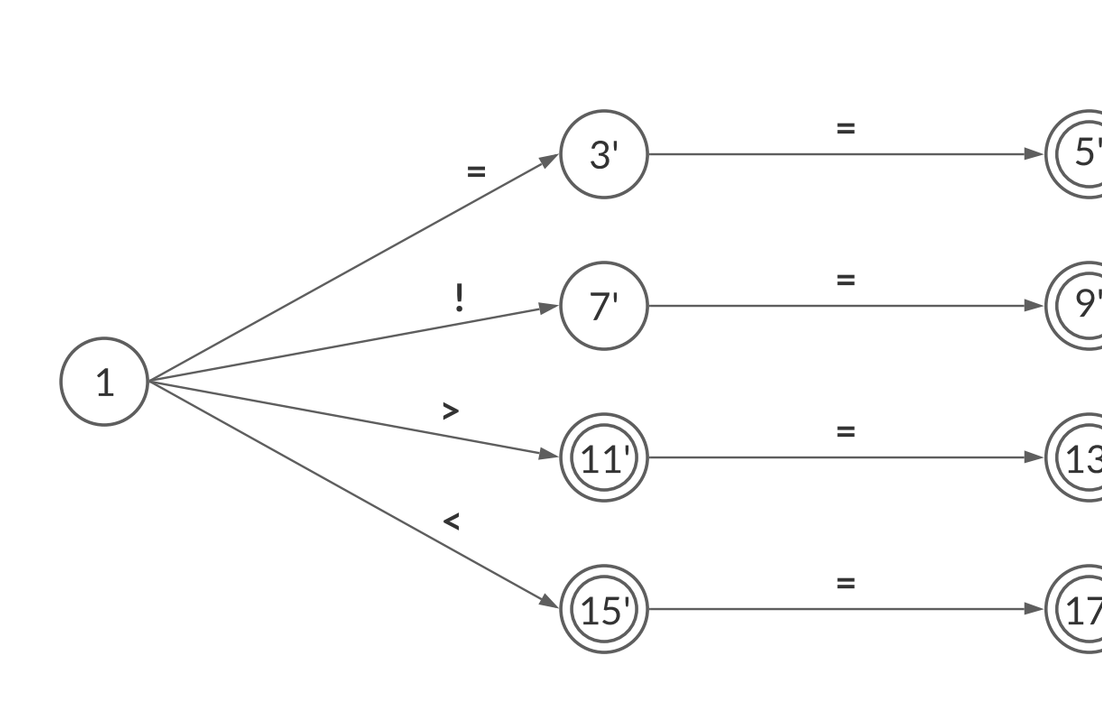
	L	a	s	t
1'	2'			
2'		4'		
4'			6'	
6'				8'
8'				

Transition Table

Conditions RE (==|<|>|!=|<=|>=)



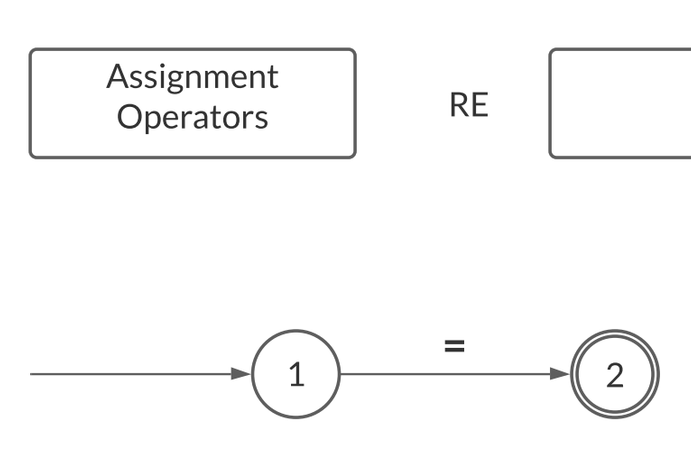




1' = {1, 2, 6, 10, 14, 18, 20}
3' = {3, 4}
7' = {7, 8}
11' = {11. 12}
15' = {15, 16}
19' = {19, 22}
5' = {5, 22}
9' = {9, 22}
13' = {13, 22}
17' = {17, 22}

	=	!	>	<
1'	3'	7'	11'	15'
3'	5'			
5'				
7'	9'			
9'				
11'	13'			
13'				
15'	17'			
17'				

Assignment Operators RE =



	=
1'	2'
2'	

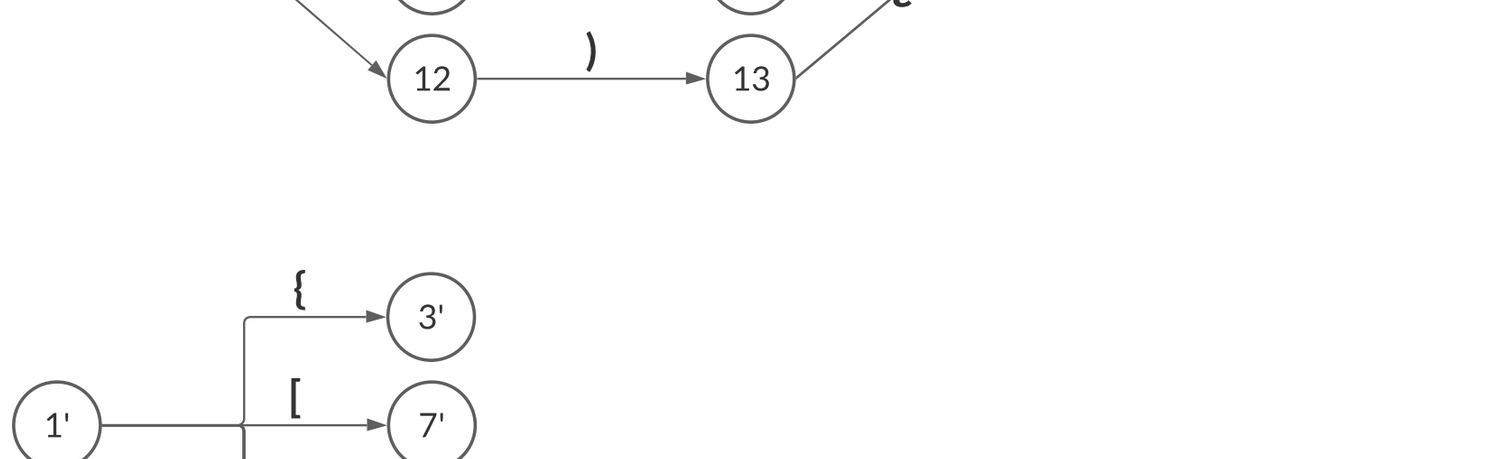
1' = {1, 2}

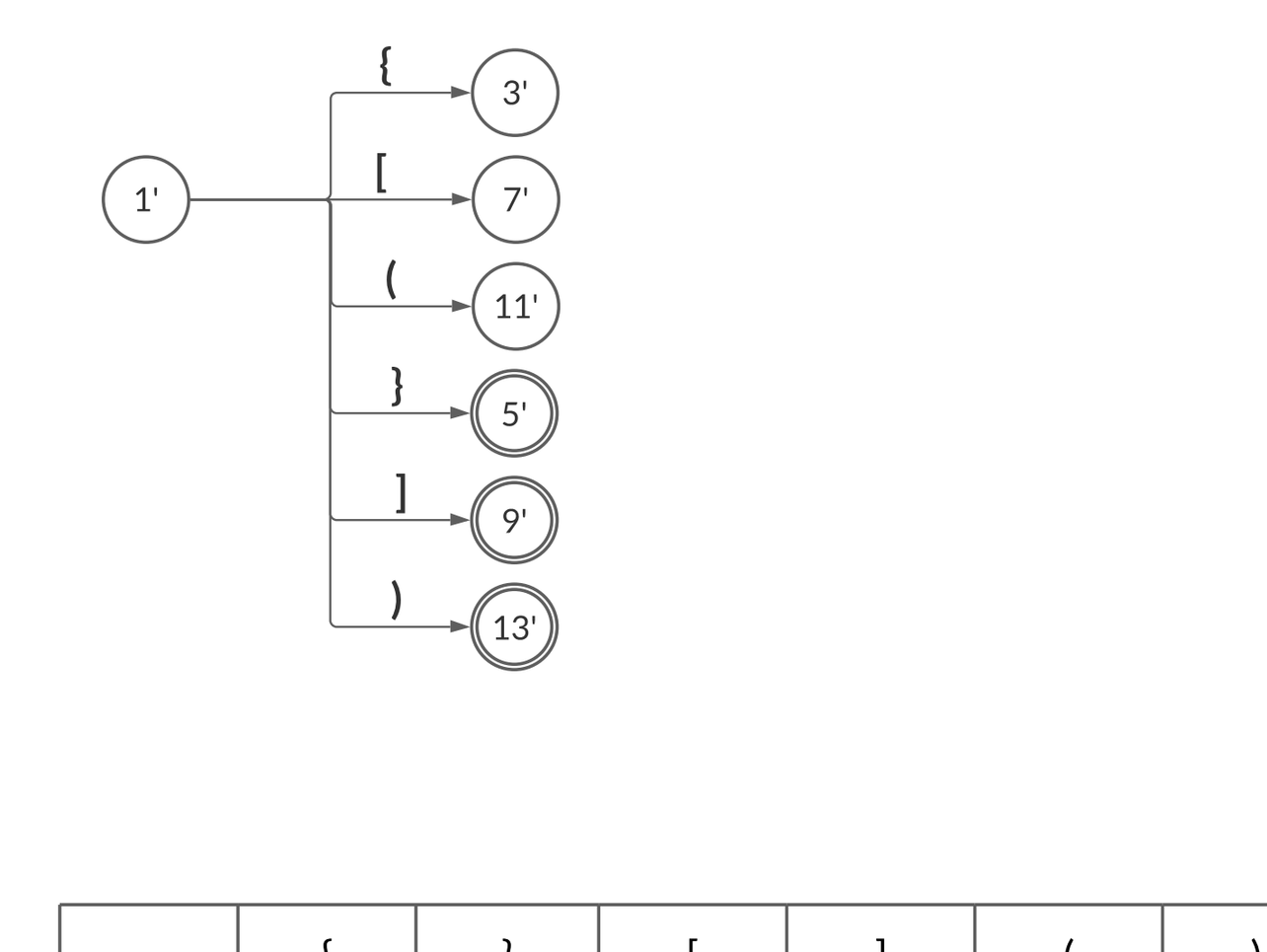
Accessing Operator RE =>

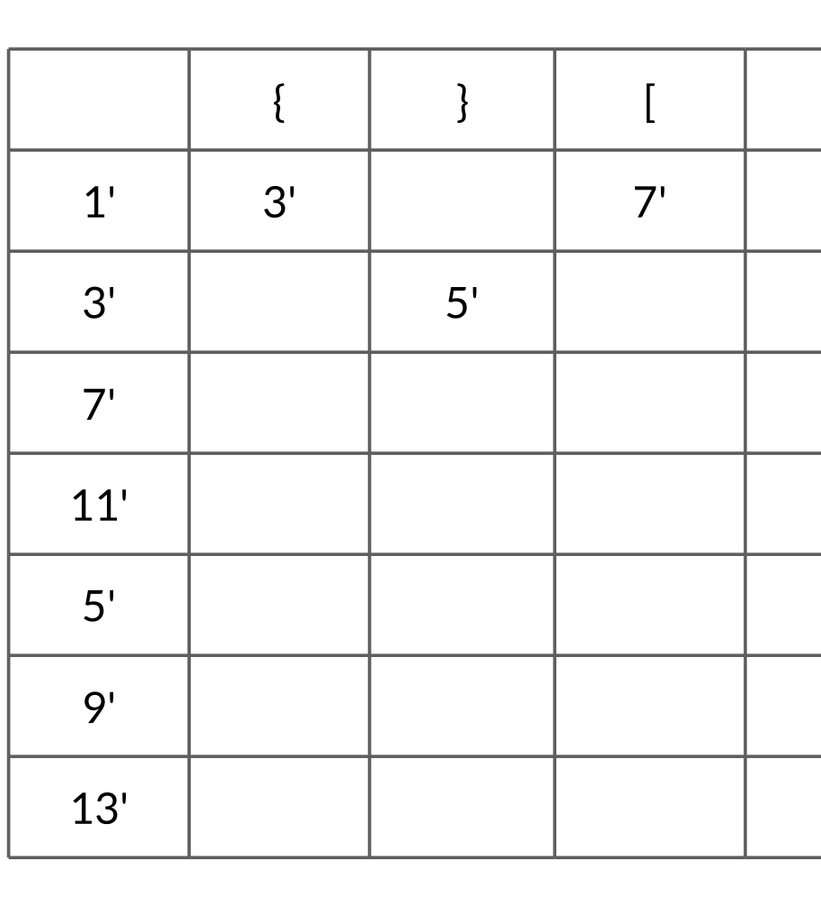
	=	>
1'	2'	
2'		4'
4'		

1' = {1, 2}
2' = {2, 3}
3' = {3, 4}

Braces RE ({|})|\(|\)|([|])



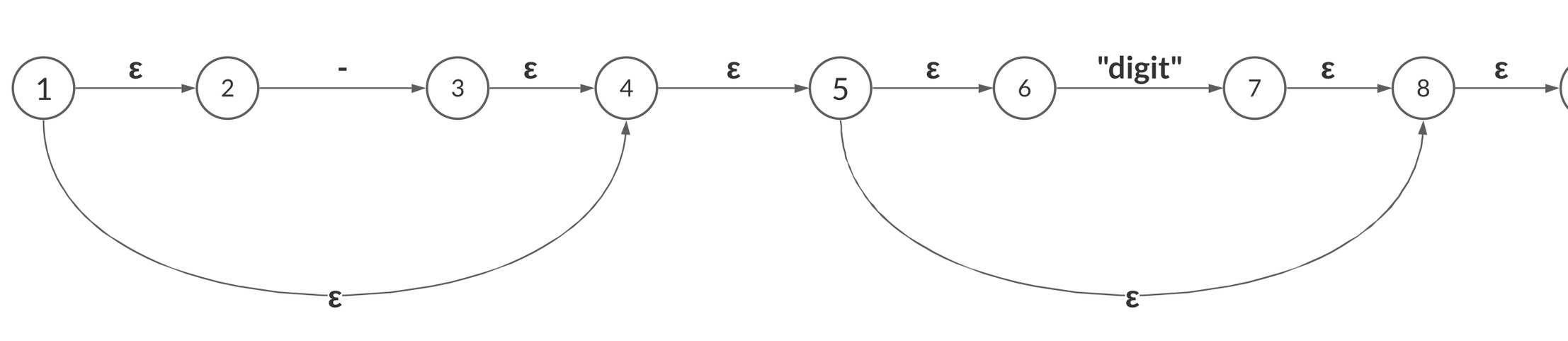


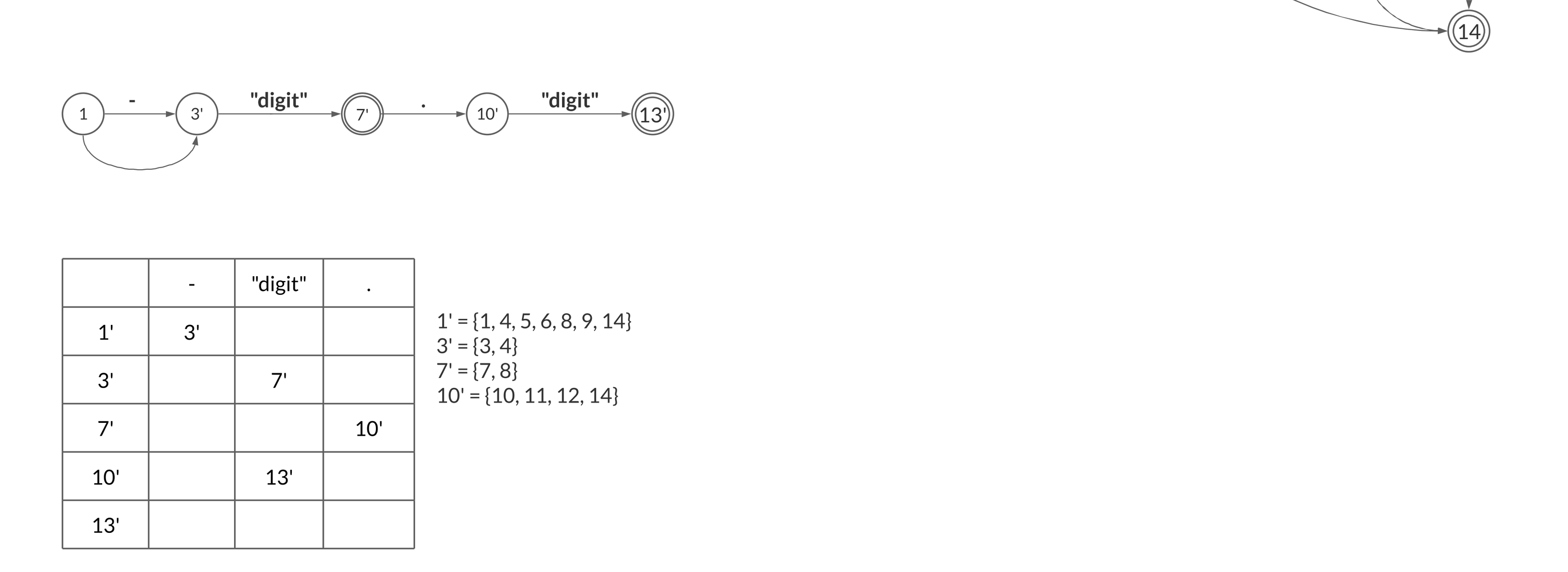


	{	}	[	]	(	)
1'	3'		7'		11'	
3'		5'		9'		13'
7'						
11'						
5'						
9'						
13'						

1' = {1, 2, 6, 10}, 2' -> 3 '{',
6' -> 7 '[',
10' -> 11 '('
3' = {3, 4}, 4 -> 5 '}'
5' = {5, 14}
7' = {7, 8} 8' -> 9 ']'
9' = {9, 14}
11' = {11, 12} 12' -> 13 ')'
13' = {13, 14}

Numbers RE -*[0-9]*((\.)[0-9])*

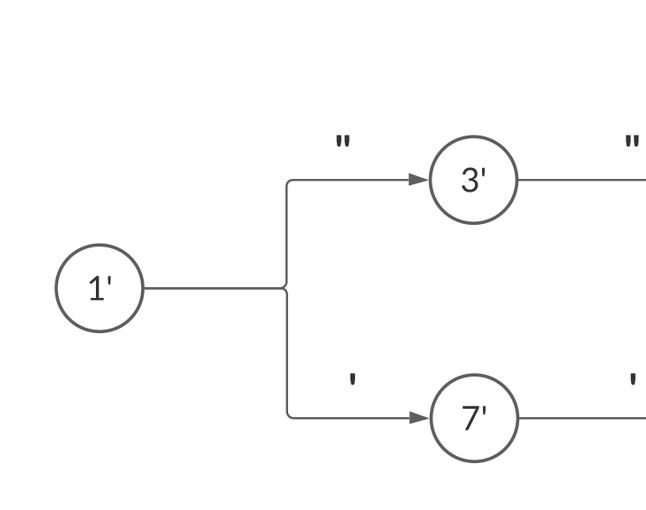


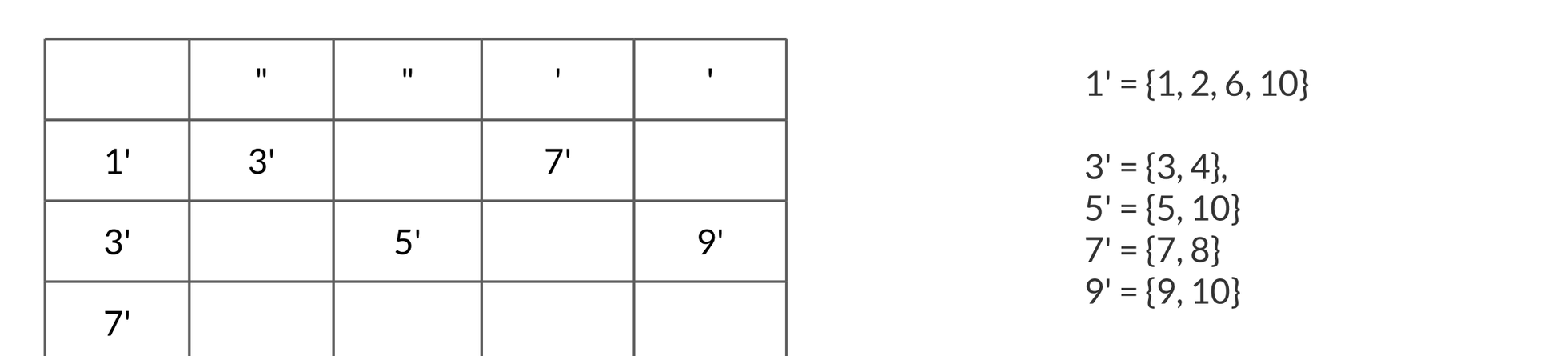


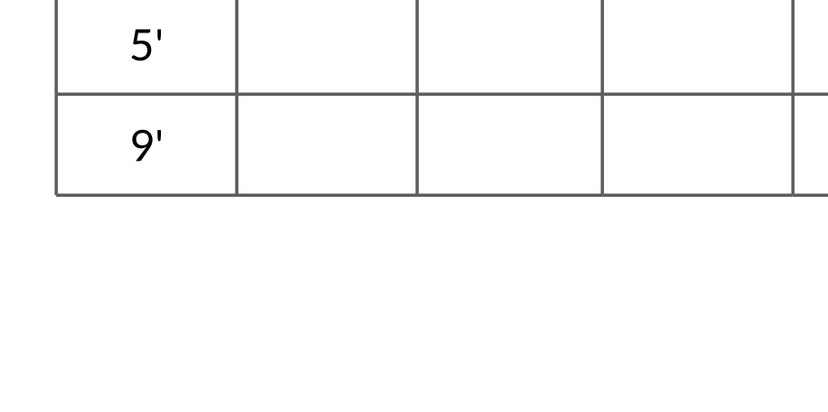
	-	"digit"	.
1'	3'		
3'		7'	
7'			10'
10'		13'	
13'			

1' = {1, 4, 5, 6, 8, 9, 14}
3' = {3, 4}
7' = {7, 8}
10' = {10, 11, 12, 14}

Strings RE \"\" | \'\'





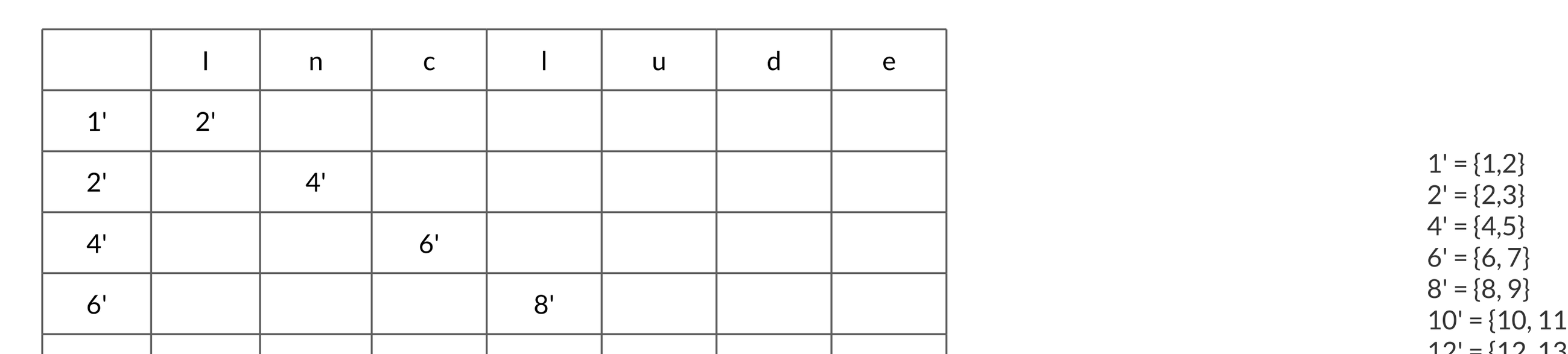


	"	"	'	'
1'	3'		7'	
3'		5'		9'
7'				
5'				
9'				

1' = {1, 2, 6, 10}

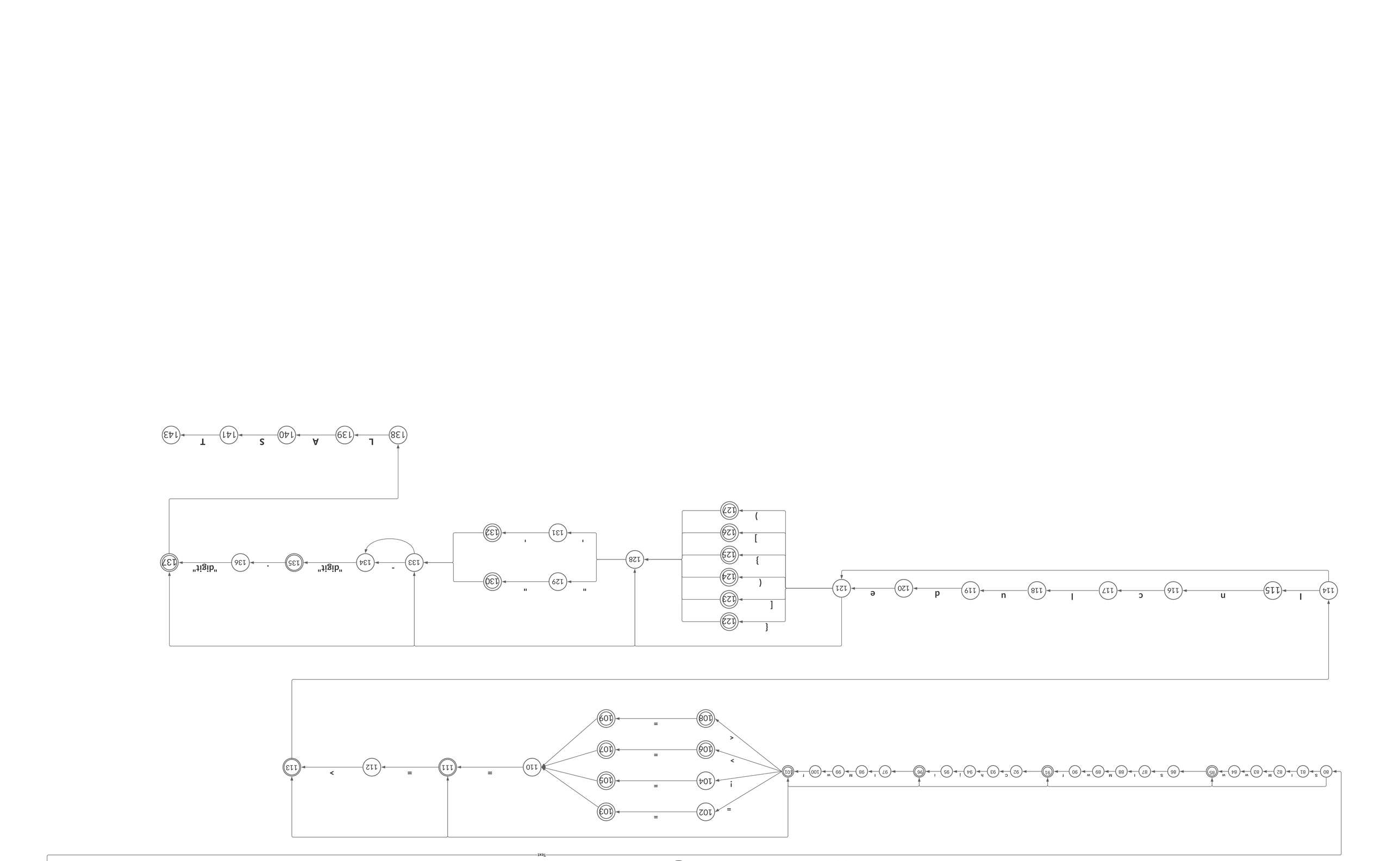
3' = {3, 4},
5' = {5, 10}
7' = {7, 8}
9' = {9, 10}

File Include RE Include \"\.h\"



	I	n	c	l	u	d	e
1'	2'						
2'		4'					
4'			6'				
6'				8'			
8'					10'		
10'						12'	
12'							14'
14'							

1' = {1,2}
2' = {2,3}
4' = {4,5}
6' = {6, 7}
8' = {8, 9}
10' = {10, 11}
12' = {12, 13}
14' = {14, 15}


1 S
2 T
3 A
4 R
5 T
6 /
7
@
8
@
9 /
10 /
11 ^
12 $
13 .
14 R
15 e
16
17 p
18 e
19 a
20 t
21 W
22 h
23 e
24 n
31
25 i
26 t
27 e
28 r
29 a
30 t
e
32 N
33 O
34 R
35 e
36 t
37 u
38 r
39 n
40
41
text
42 +
43 -
44 *
45 /
46
47 &
48 &
49 |
50 |
51 ~
52 Y
53 e
54 s
55 l
56 f
57 o
Any digit
58 t
59 h
60 e
61 r
62 e
63 w
64 i
65 s
66 e
70 w
69 e
68 m
71 s
72 e
73 r
74 i
75 e
76 s
77 t
78 l
79
text
80 S
81 I
82 M
83 W
84 W
85 S
86
87 I
88 M
89 W
90 I
91 C
92 C
93 h
94 l
95 i
96 i
97 I
98 M
99 W
100 r
101
102 =
103 =
104 i
105 =
106 >
107 =
108 <
109 =
110
111 =
112 =
113 >
text