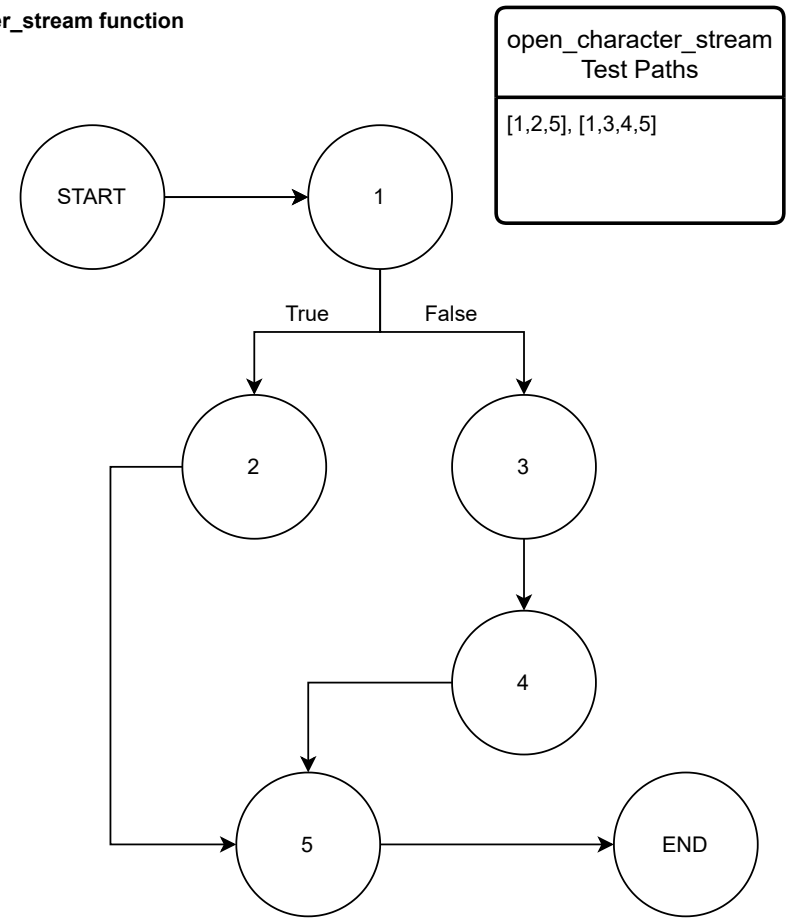
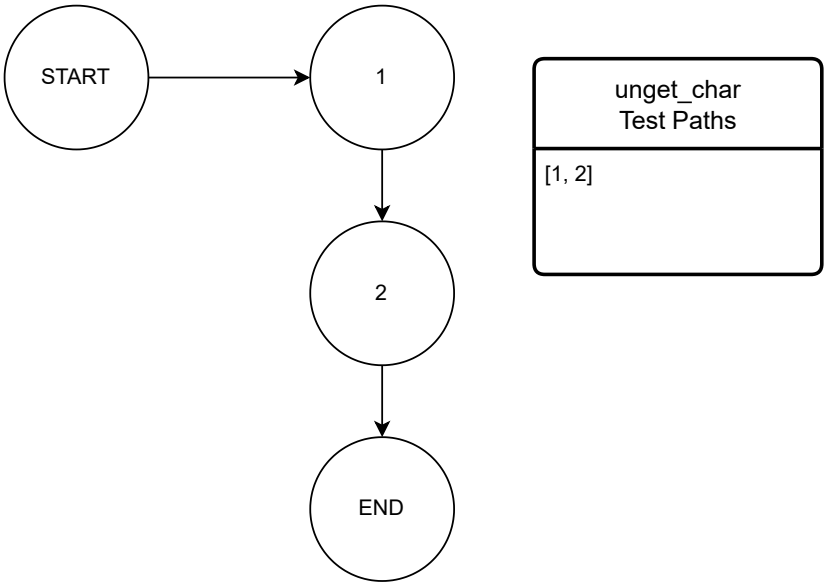
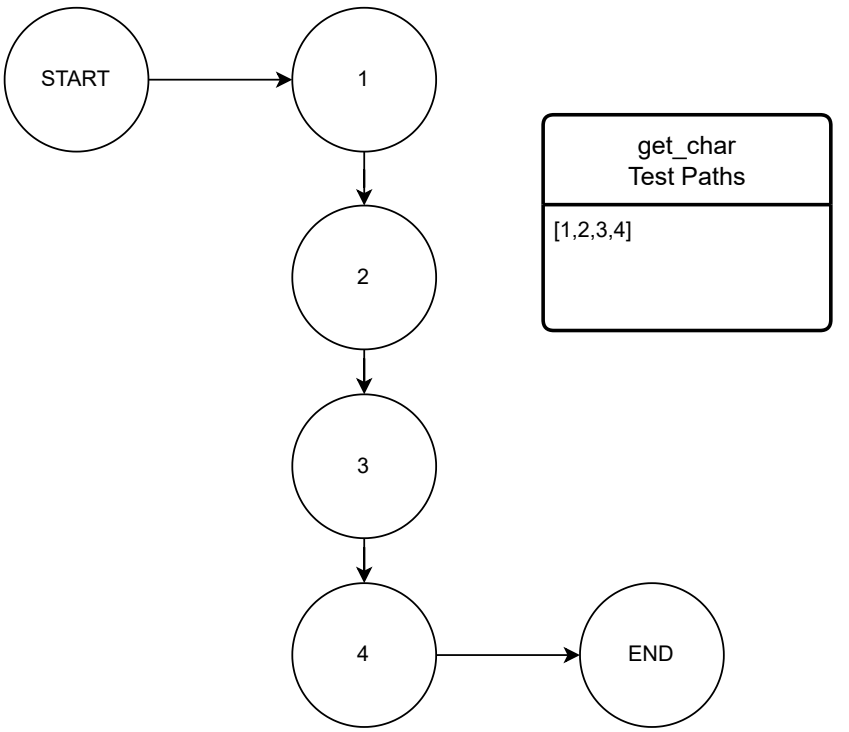
open_charachter_stream function



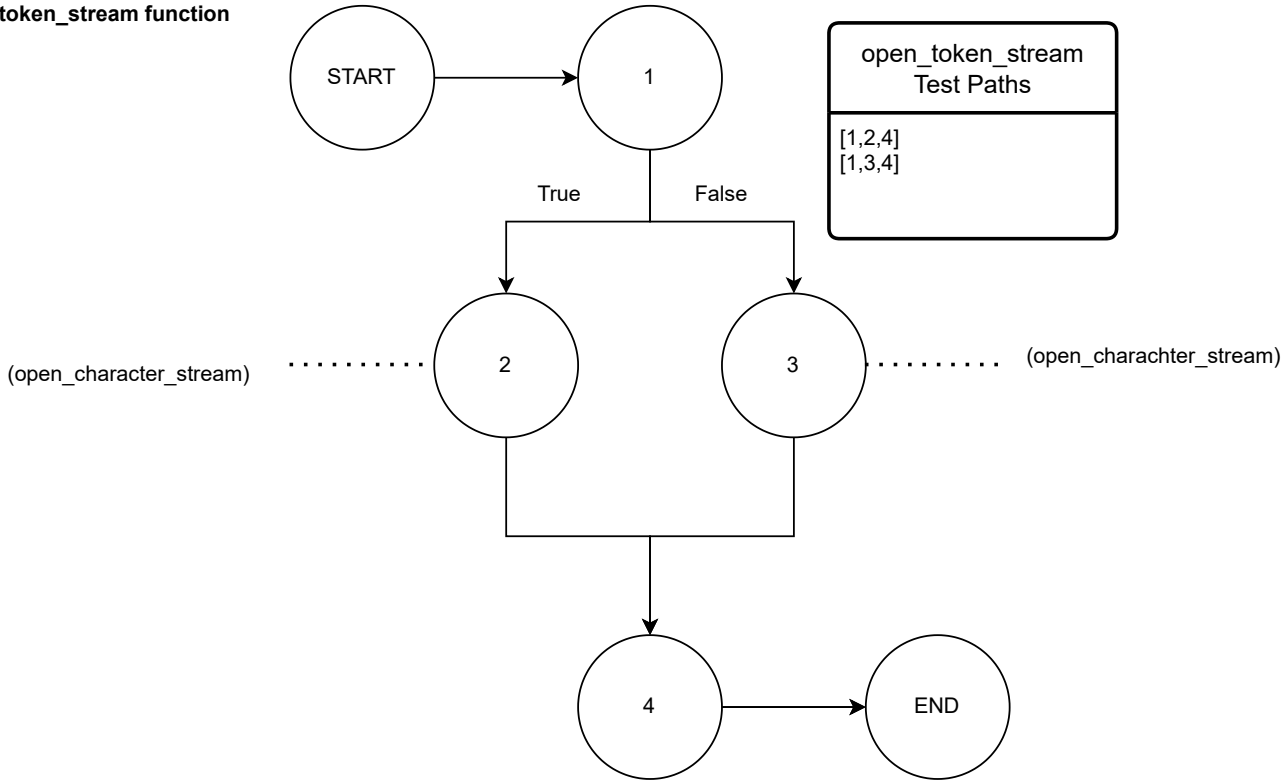
unget_char function



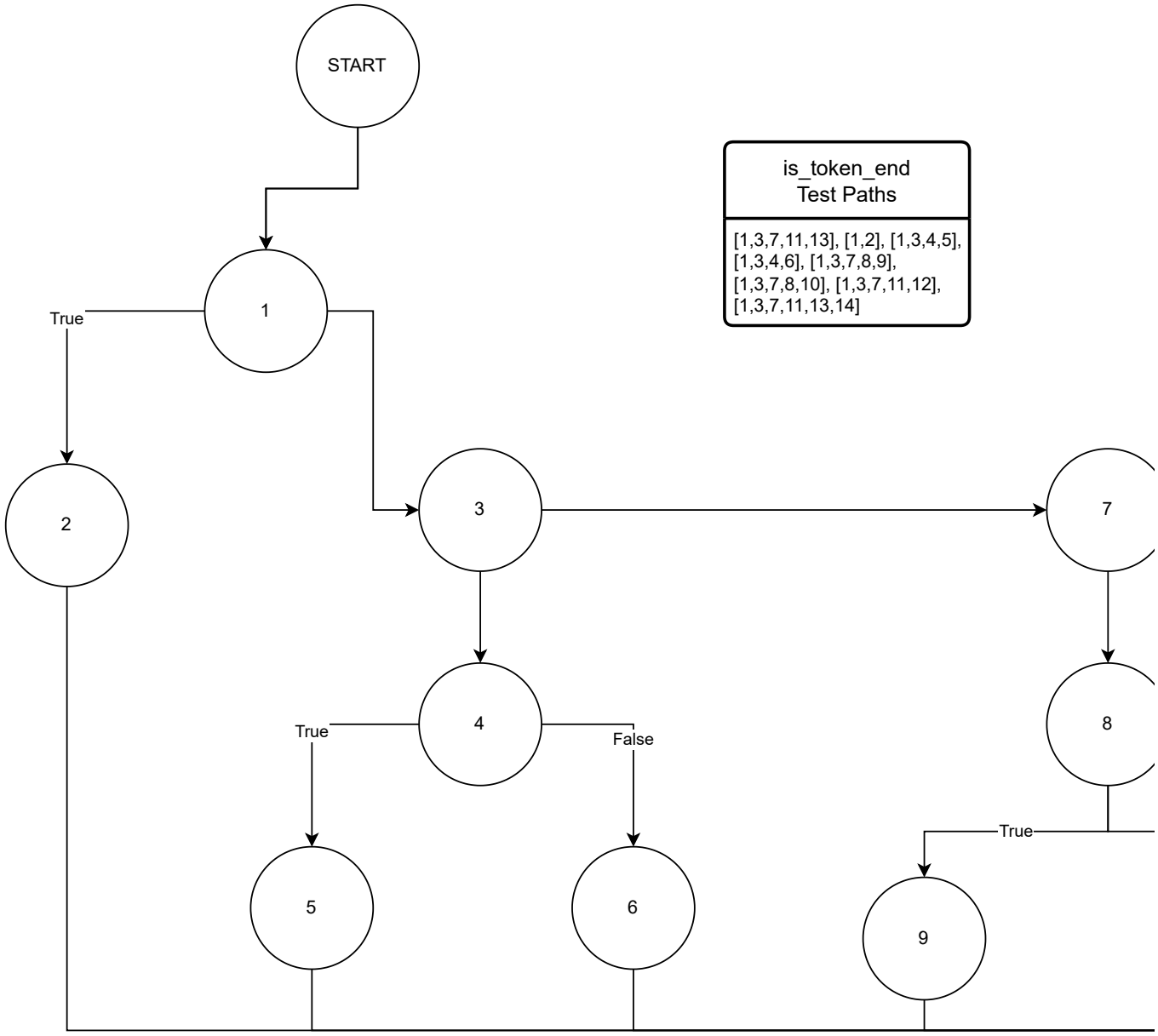
get_char function

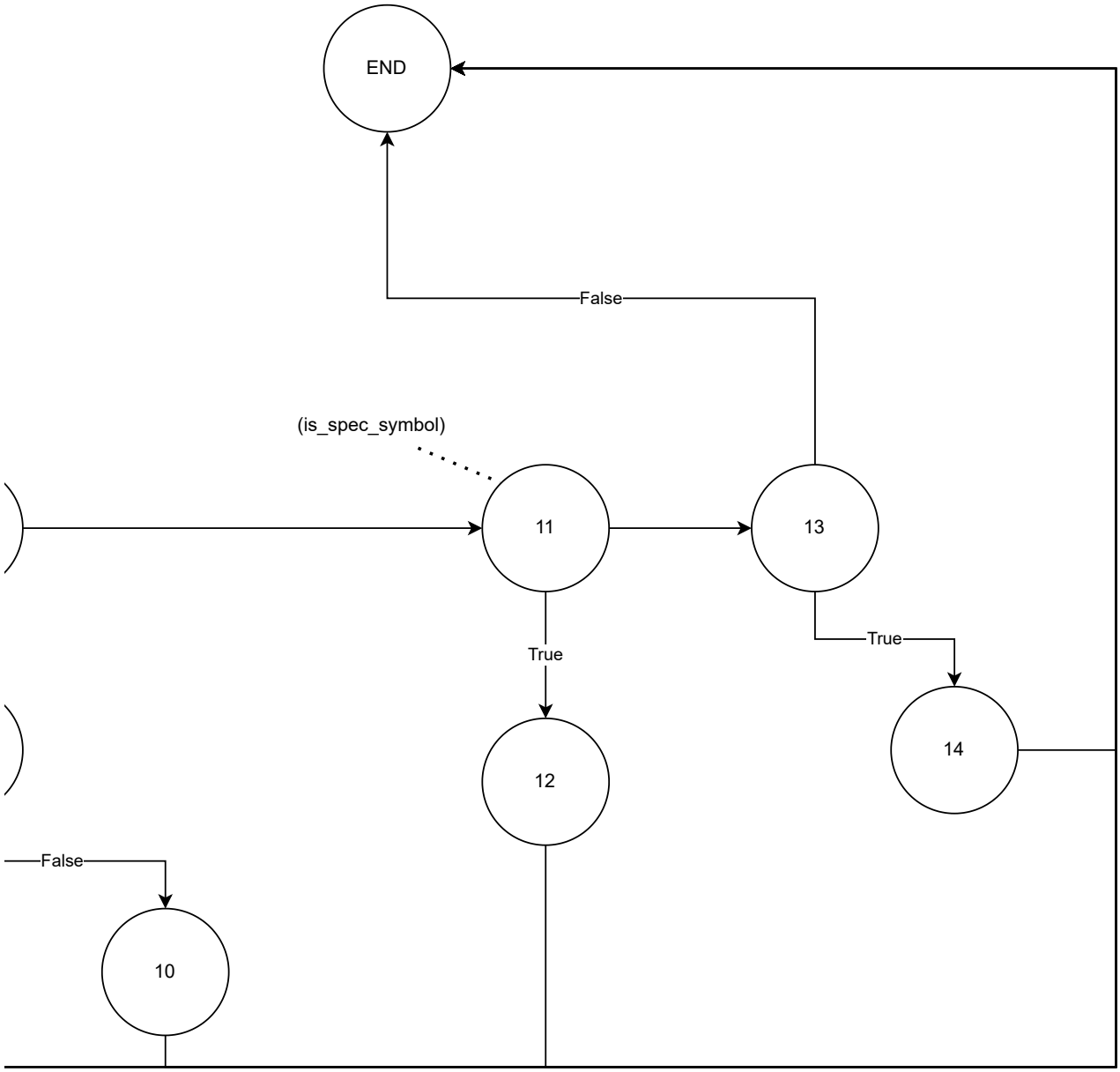


open_token_stream function



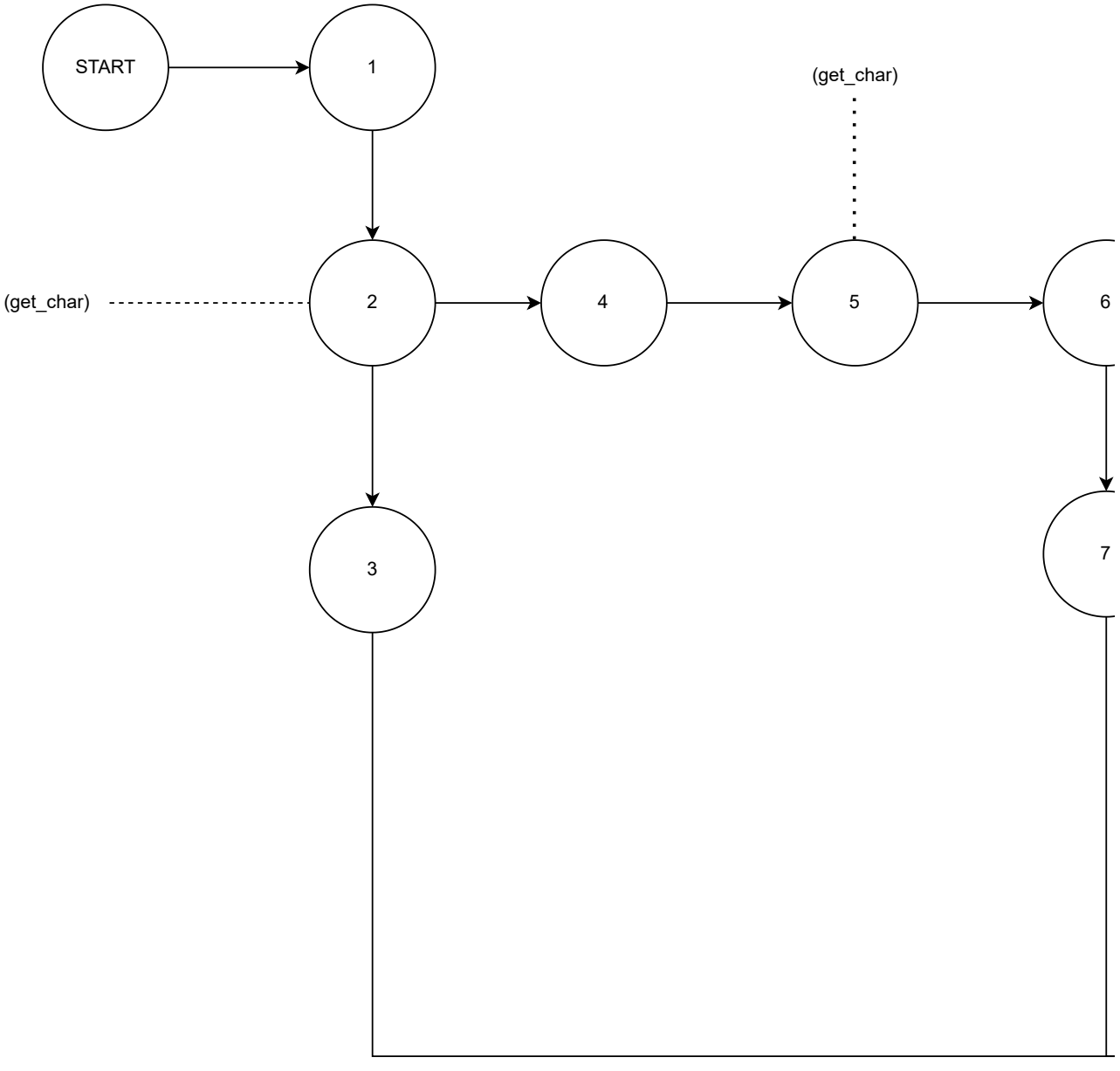
is_token_end function

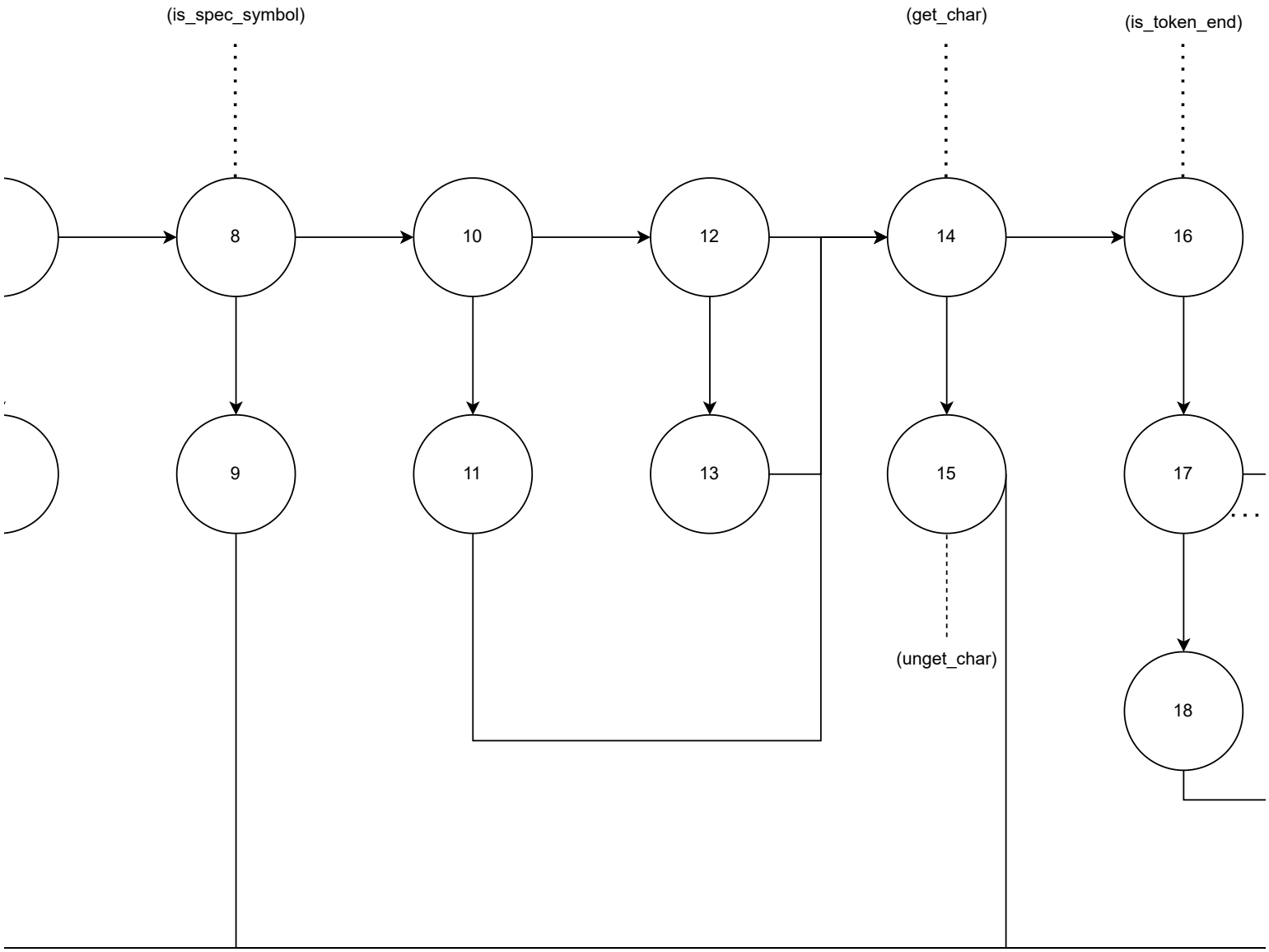


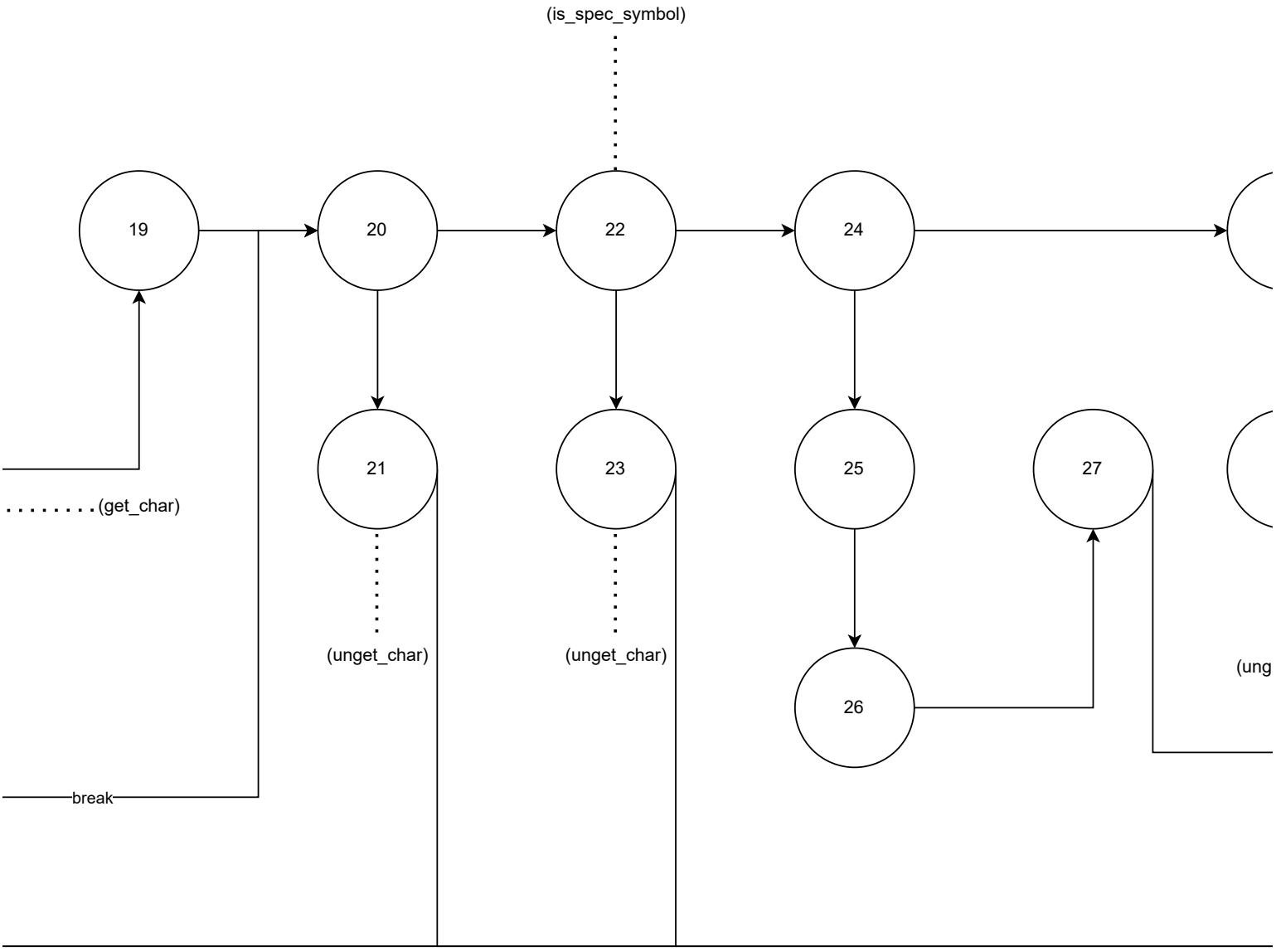

END
False
(is_spec_symbol)
11
13
True
True
14
12
False
10

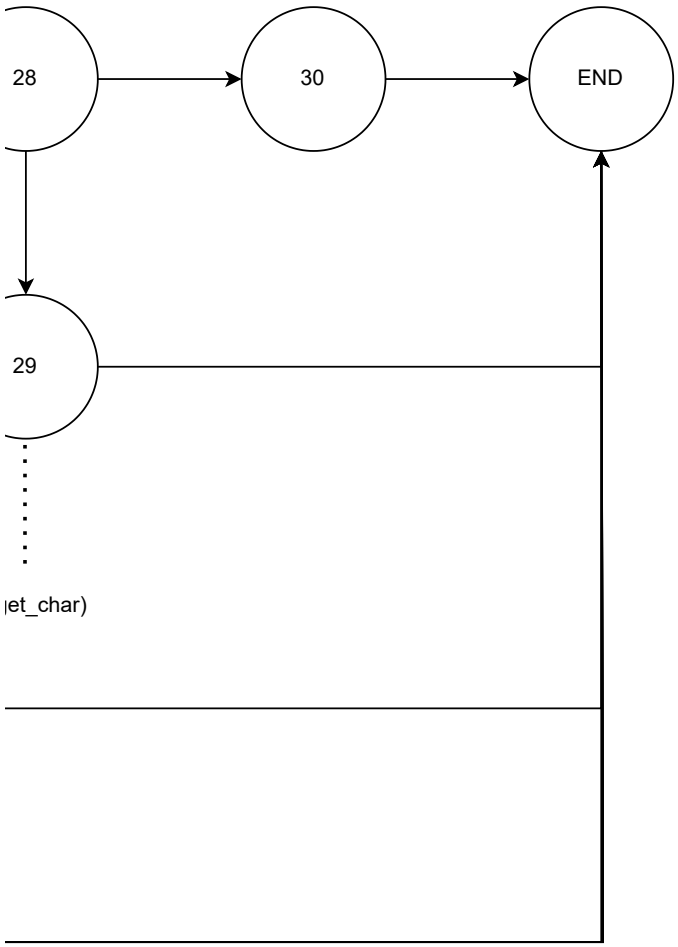
get_token Test Paths
[1,2,3],[1,2,4,5,6,7], [1,2,4,5,6,8,9],[1,2,4,5,6,8,10,11], [1,2,4,5,6,8,10,12,13], [1,2,4,5,6,8,10,12,14,15], [1,2,4,5,6,8,10,12,14,16,17,18], [1,2,4,5,6,8,10,12,14,16,17, 19, 20 ,21], [1,2,4,5,6,8,10,12,14,16,17, 19, 20 ,22,23], [1,2,4,5,6,8,10,12,14,16,17, 19, 20 ,22, 24, 25, 26, 27], [1,2,4,5,6,8,10,12,14,16,17, 19, 20 ,22, 24, 28, 29], [1,2,4,5,6,8,10,12,14,16,17, 19, 20 ,22, 24, 28, 30]

get_token function

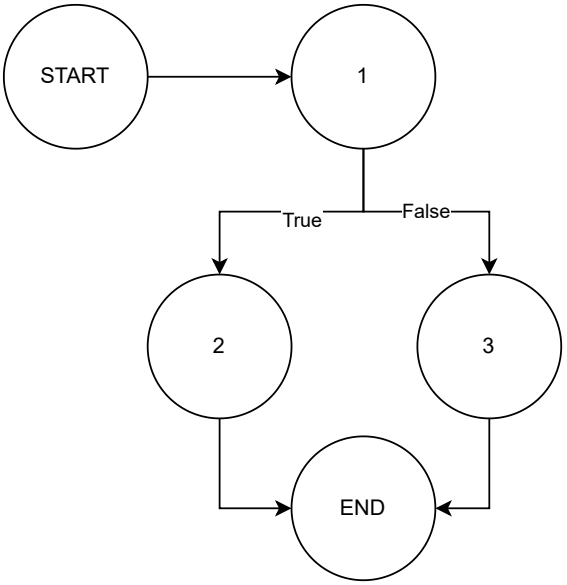



(is_spec_symbol)
(get_char)
(is_token_end)
8
10
12
14
16
9
11
13
15
17
(unget_char)
18


(is_spec_symbol)
19
20
22
24
21
23
25
27
(get_char)
(unget_char)
(unget_char)
26
(ung
break

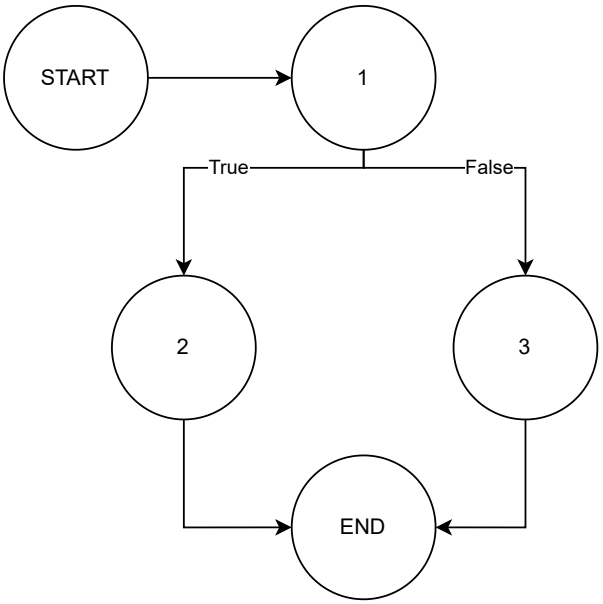

28
30
END
29
et_char)

is_comment function



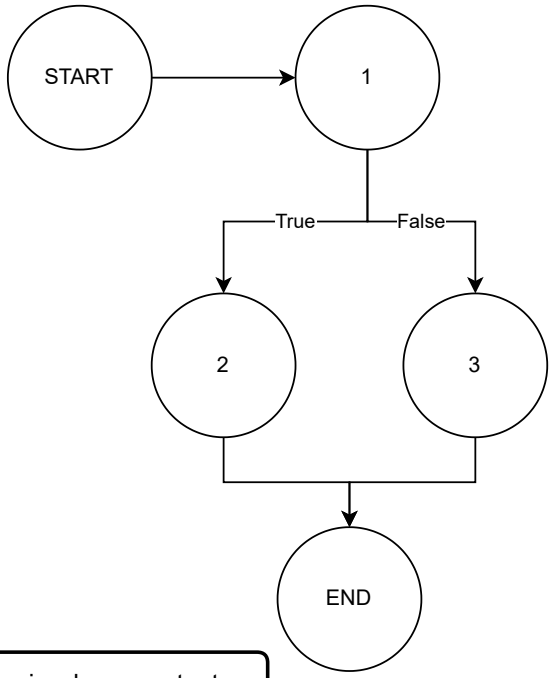
is_comment Test Paths
[1,2] [1,3]

is_keyword function



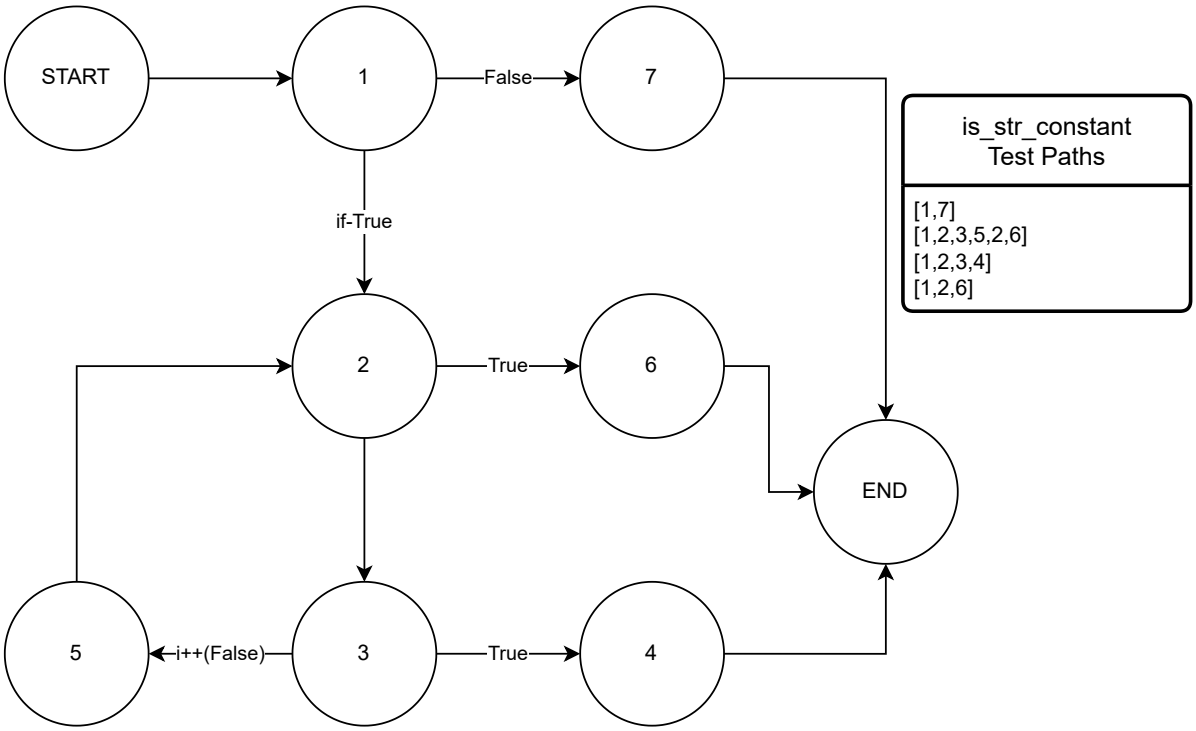
is_keyword Test Paths
[1,2] [1,3]

is_char_constant function

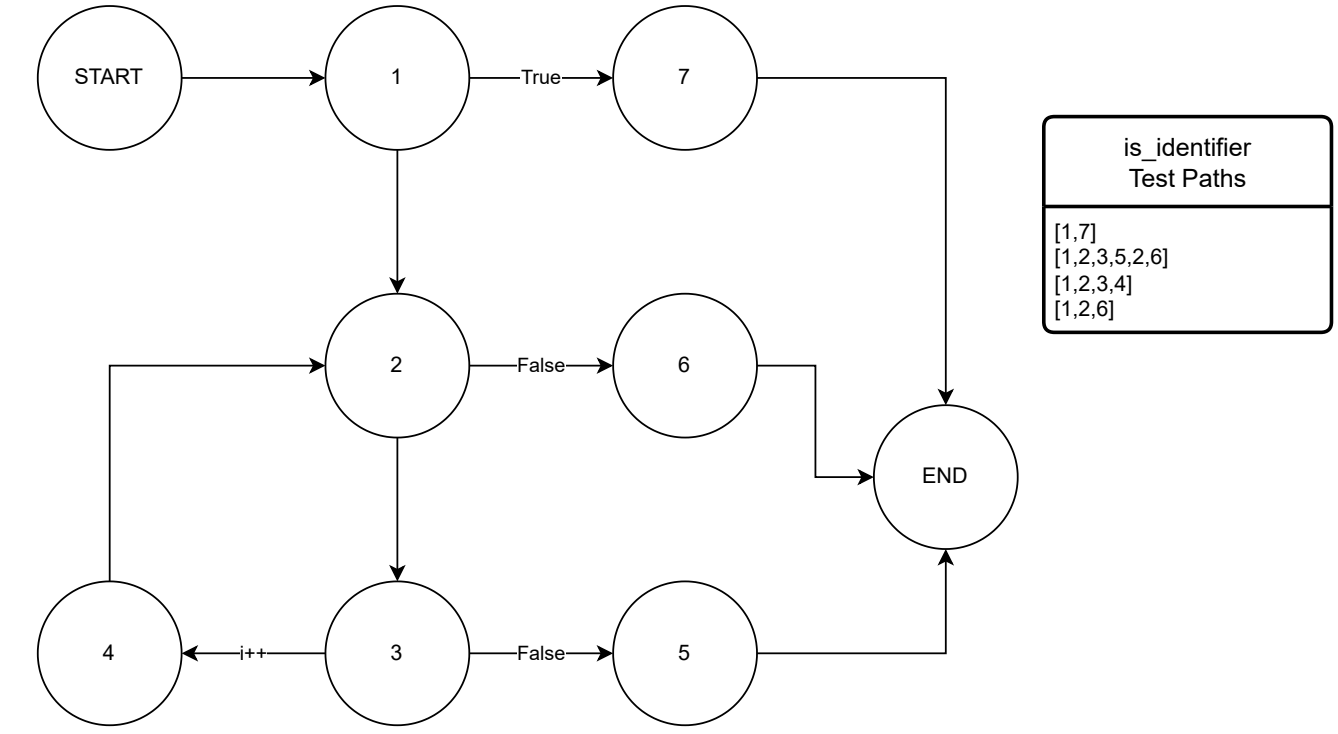


is_char_constant Test Paths
[1,2] [1,3]

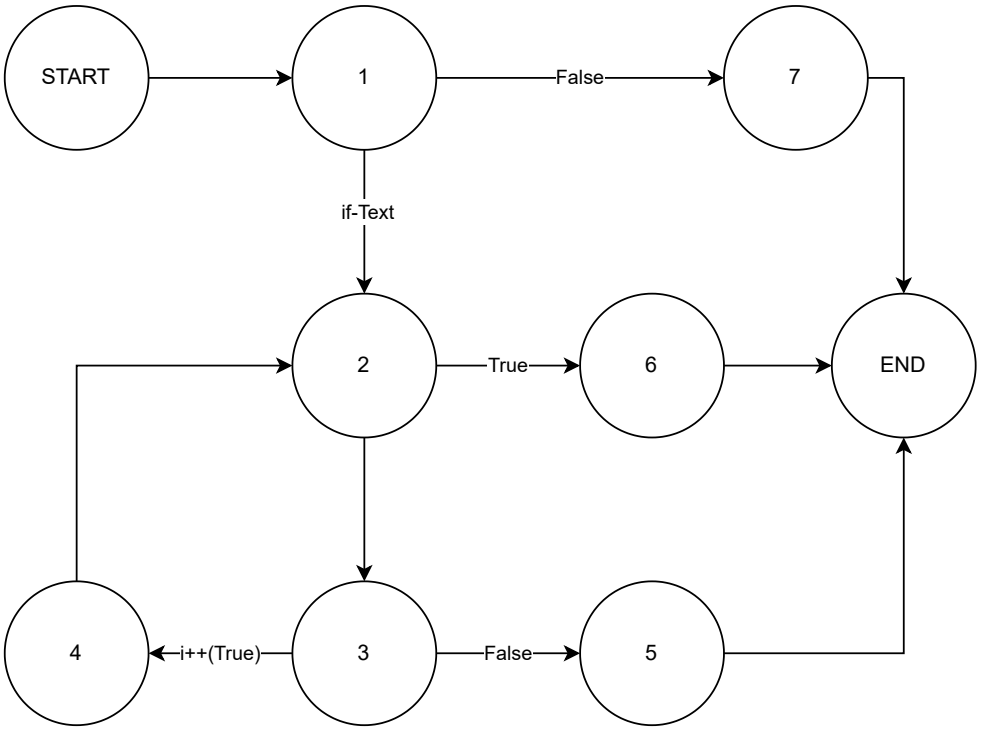
is_str_constant function



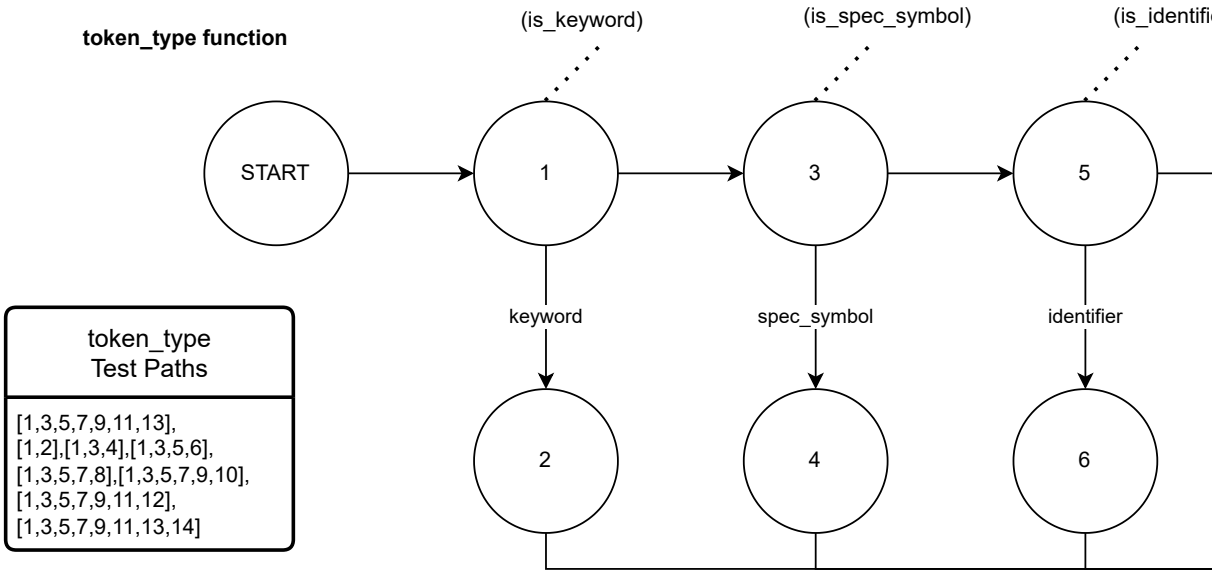
is_identifier function

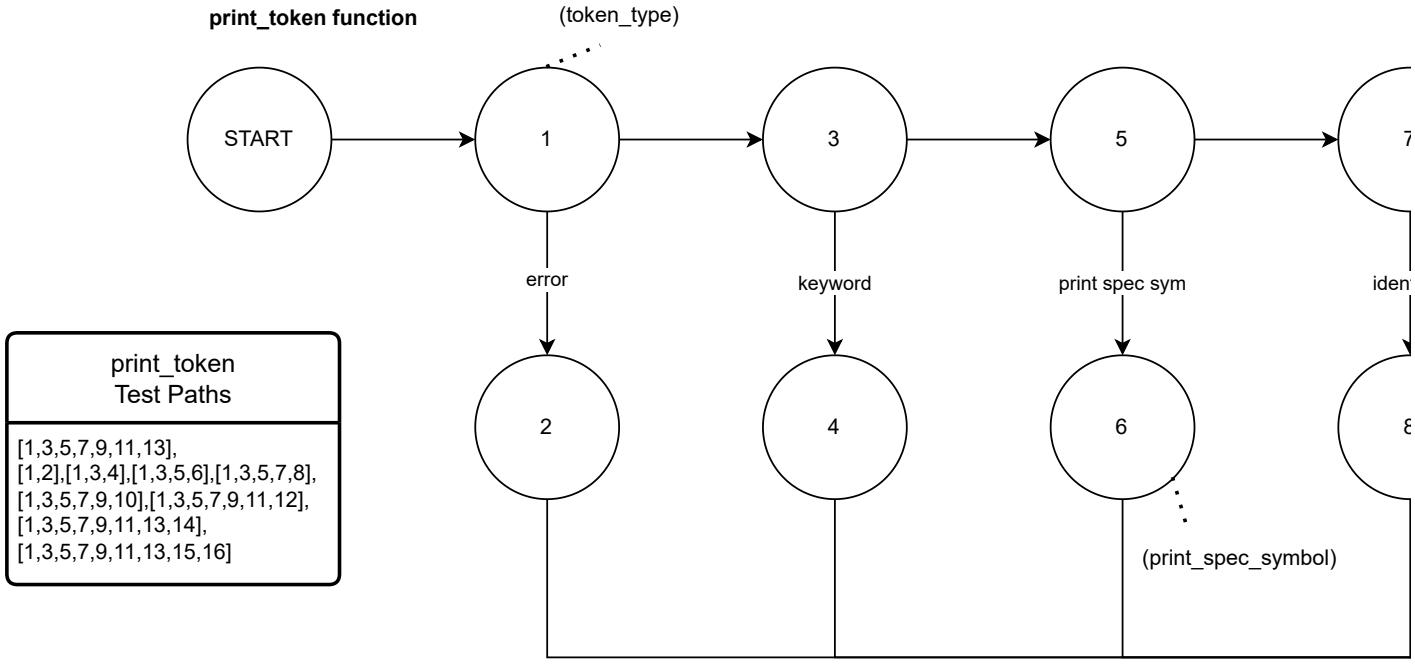


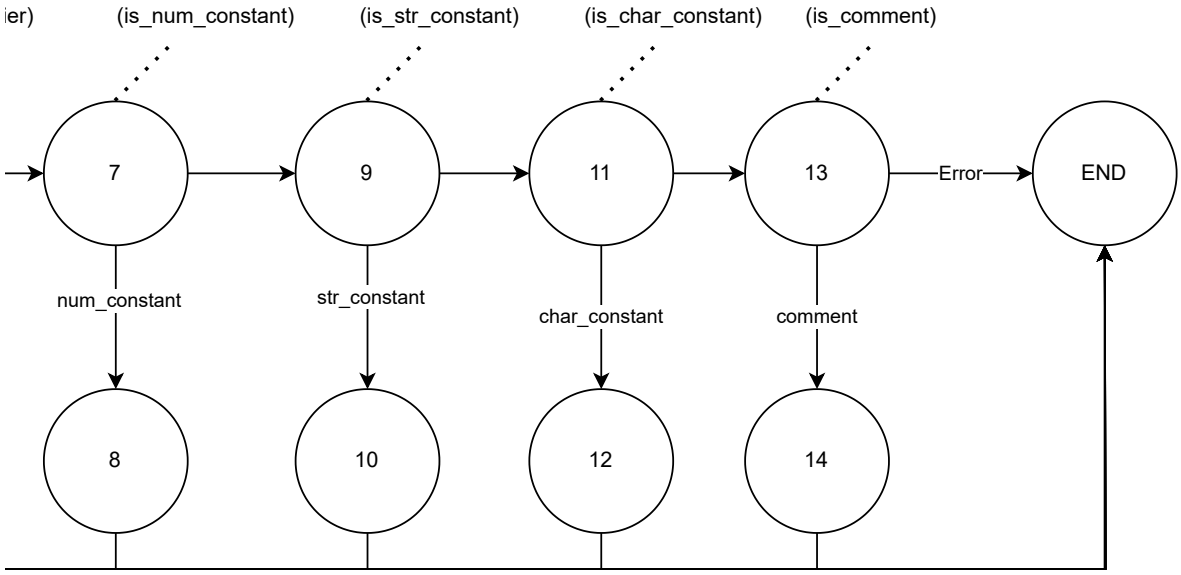
is_num_constant function

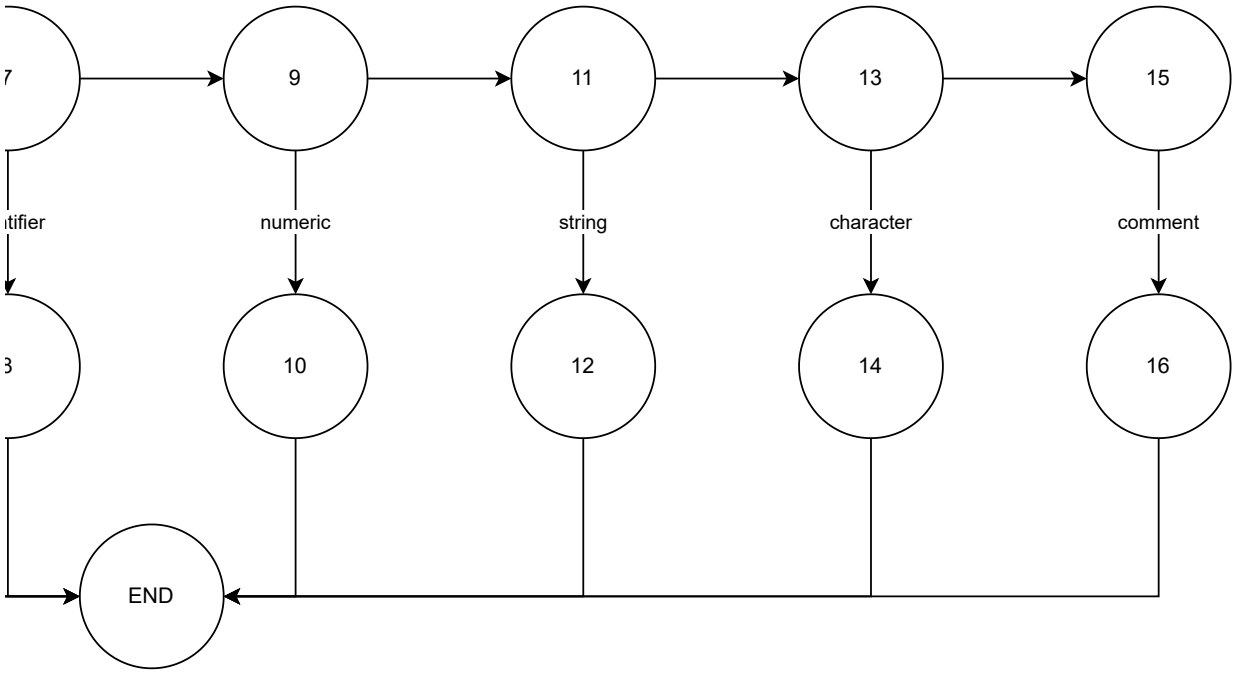


is_num_constant Test Paths
[1,7] [1,2,3,4,2,6] [1,2,3,5] [1,2,6]

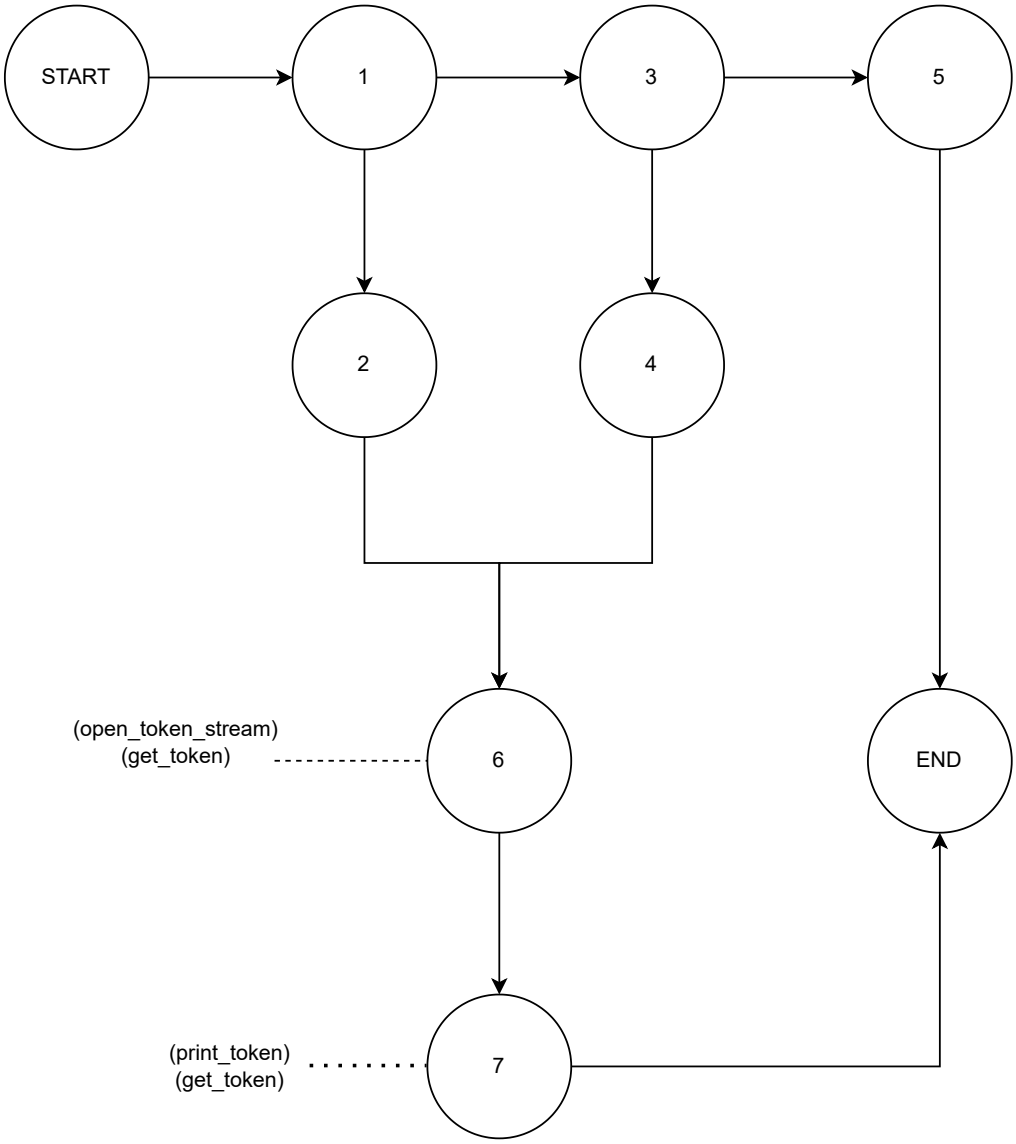

token_type function
(is_keyword)
(is_spec_symbol)
(is_identifi
START
1
3
5
keyword
spec_symbol
identifier
2
4
6
token_type
Test Paths
[1,3,5,7,9,11,13],
[1,2],[1,3,4],[1,3,5,6],
[1,3,5,7,8],[1,3,5,7,9,10],
[1,3,5,7,9,11,12],
[1,3,5,7,9,11,13,14]


print_token function
(token_type)
START
1
3
5
7
error
keyword
print spec sym
iden
2
4
6
8
(print_spec_symbol)
print_token
Test Paths
[1,3,5,7,9,11,13],
[1,2],[1,3,4],[1,3,5,6],[1,3,5,7,8],
[1,3,5,7,9,10],[1,3,5,7,9,11,12],
[1,3,5,7,9,11,13,14],
[1,3,5,7,9,11,13,15,16]


ier)
(is_num_constant)
(is_str_constant)
(is_char_constant)
(is_comment)
7
9
11
13
Error
END
num_constant
str_constant
char_constant
comment
8
10
12
14

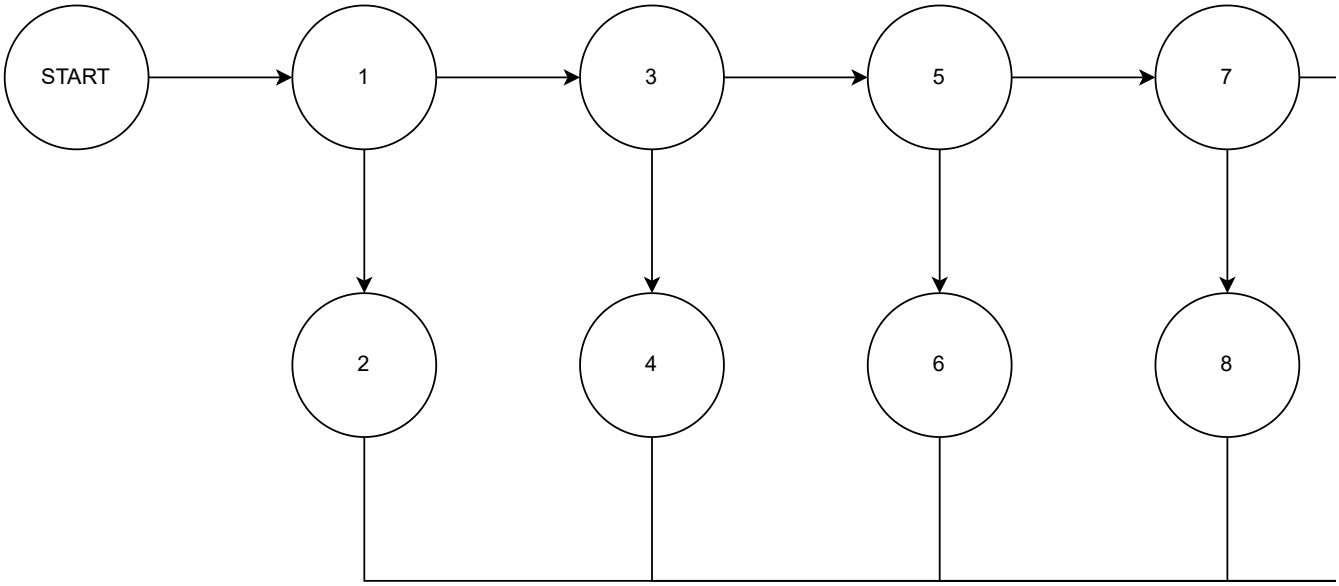

9
11
13
15
numeric
string
character
comment
10
12
14
16
END

Main function

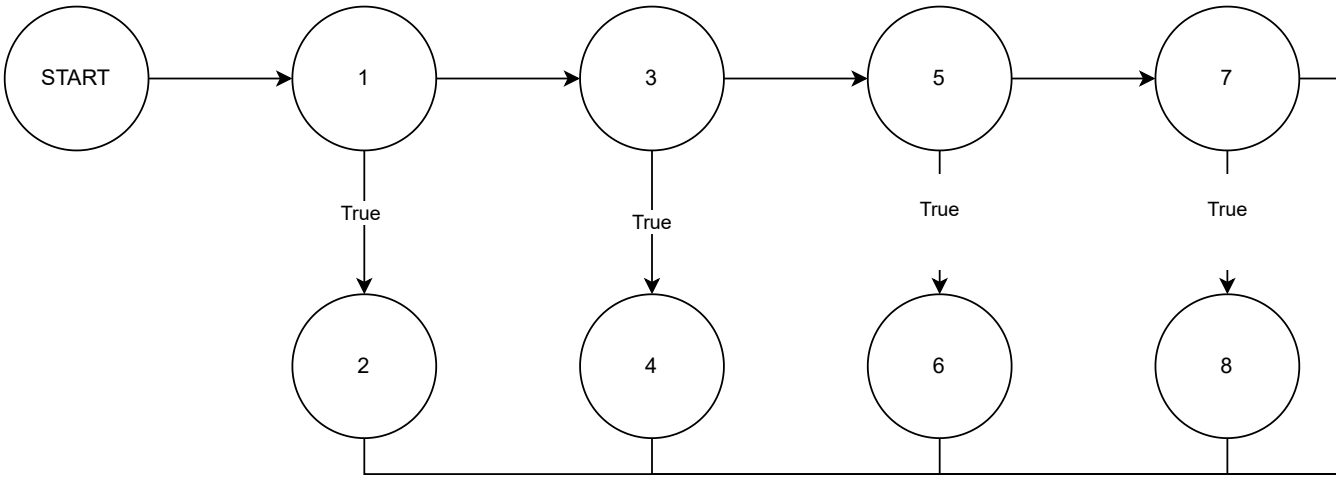


Main Test Paths
[1,3,5], [1,2,6,7], [1,3,4,6,7]

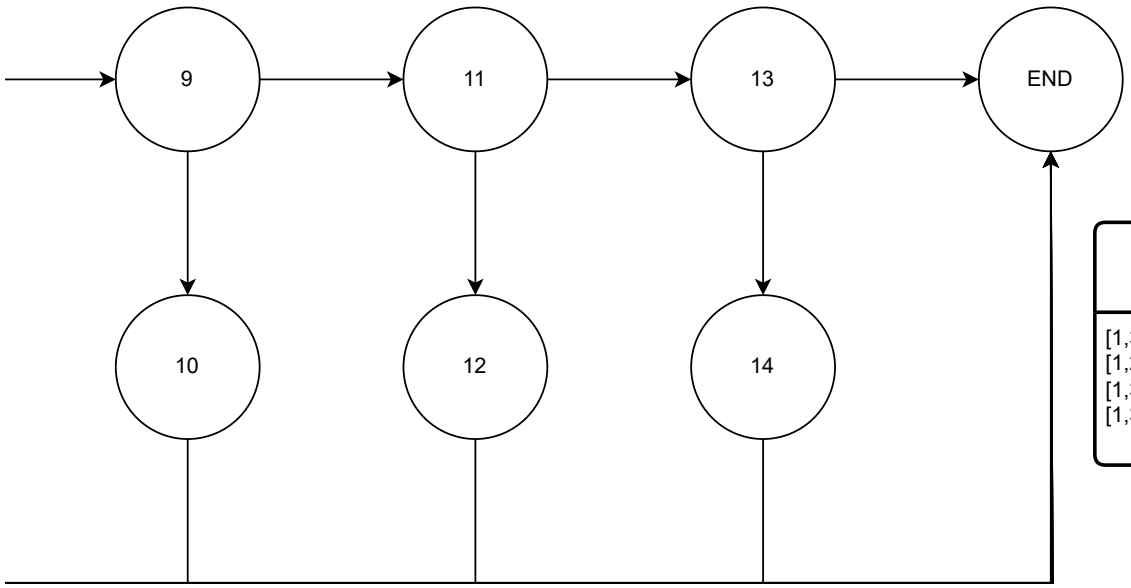
print_spec_symbol function



is_spec_symbol function

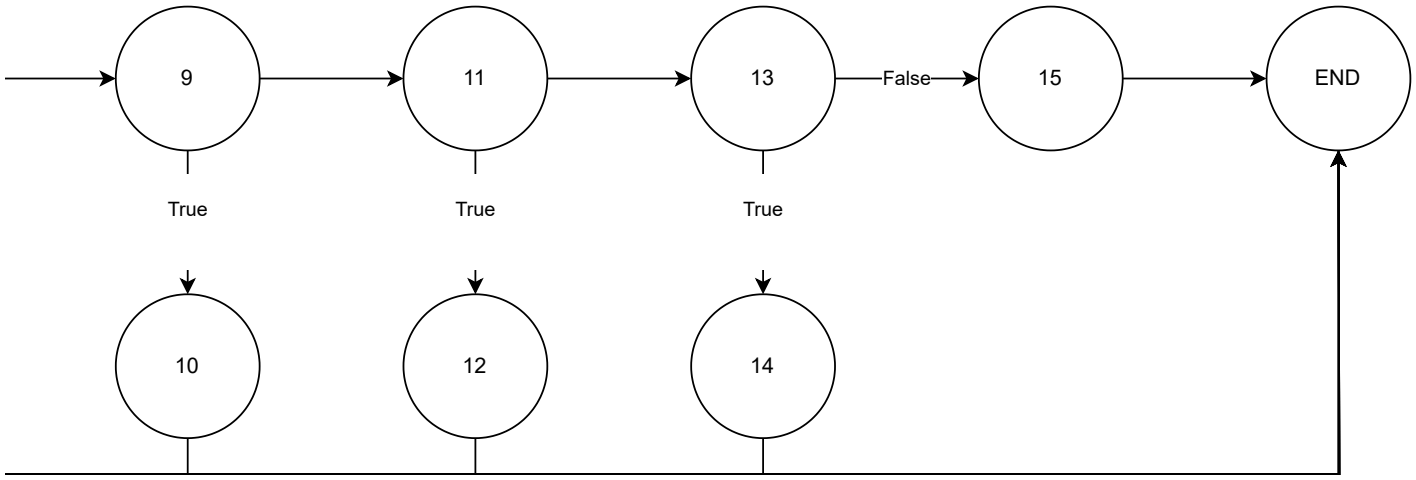


is_spec_symbo Test Paths
[1,3,5,7,9,11,13,15], [1,2],[1,3,4],[1,3,5,6],[1,3, [1,3,5,7,9,10],[1,3,5,7,9,1 [1,3,5,7,9,11,13,14]



print_spec_symbol
Test Paths

[1,3,5,7,9,11,13],
[1,2],[1,3,4],[1,3,5,6],[1,3,5,7,8],
[1,3,5,7,9,10],[1,3,5,7,9,11,12],
[1,3,5,7,9,11,13,14]



ol

5,7,8],
1,12],