'\t'|'\n'|' '   letter|digit|'_'

0 → letter → 1 → else → Return S-ID

0 → digit → 2 (digit loop)
2 → '.' → 27 → else → error ; 27 → digit → 28 (digit loop) → else → Return S-NO
2 → else → Return S-NO

0 → '/' → 3
3 → '*' → 29 ; 29 → '*' → 30 ; 30 → '/' → X
29 any empt* loop ; 30 → any empt → 29 ; '/'|'*'
30 → '*' → (loop)
3 → '/' → 31 (any empt \n loop) → \n → X
3 → '=' → Return S-E-DIV
3 → else → Return S-DIV

0 → '*' → 4 → '=' → Return S-E-MUL ; 4 → else → Return S-MUL
0 → '%' → 5 → '=' → Return S-E-Rem ; 5 → else → Return S-Rem
'+'
6 → '+' → Return S-INC
6 → '=' → Return S-E-PLS
6 → else → Return S-PLS

7 → '-' → Return S-DEC
7 → '=' → Return S-E-DEC
7 → '>' → Return S-PTR
7 → else → Return S-MNS

0 → '!' → 8 → '=' → Return S-NE ; 8 → else → Return S-N

0 → '&' → 9 → '&' → Return S-AND
9 → '=' → Return S-B-AND-ASG
9 → else → Return S-B-AND

0 → '|' → 10 → '|' → Return S-OR
10 → '=' → Return S-B-OR-ASG
10 → else → Return S-B-OR

11 → '>' → 32 → '=' → Return S-R-ASG ; 32 → else → Return S-RST
11 → '=' → Return S-E-GT
11 → else → Return S-GT

12 → '<' → 33 → '=' → Return S-L-ASG ; 33 → else → Return S-LST
12 → '=' → Return S-E-LT
12 → else → Return S-LT

13 → ':' → Return S-SCP-RES
13 → else → Return S-CLN

14 → '=' → Return S-B-XOR-ASG
14 → else → Return S-B-XOR

15 any empt '\', '\n' loop
15 → '"' → Return S-STR
15 → '\' → 34 → any → 15

16 → any empt ' → 35 → '.' → Return S-CHR
16 → '\' → 39 → any → 35

else → error

17 → Return S-R-BRC ; 22 → Return S-RP
18 → Return S-L-BRC ; 23 → Return S-Comm
19 → Return S-L-N ; 24 → Return S-ion
20 → Return S-R-N ; 25 → Return S-Q
21 → Return S-L-BRK ; 26 → Return S-B-Not

36 → Return S-DOT
37 → Return S-HASH ; '#'
38 → '=' Return S-B ; '='

#	State transitions
1	0, | 0, \t, 0 - 0, \n, 0 - 0,' ',0
2	0, letter, 1
3	0, digit, 2
4	0, '/', 3
5	0, '*', 4
6	0, '%', 5
7	0, '+', 6
8	0, '-', 7
9	0, '!', 8
10	0, '&', 9
11	0, '|', 10
12	0, '>', 11
13	0, '<', 12
14	0, ':', 13
15	0, '^', 14
16	0, '"', 15
17	0, ''', 16
18	0, '}', 17
19	0, '{', 18
20	0, '(', 19
21	0, ')', 20
22	0, '[', 21
23	0, ']', 22
24	0, ',', 23
25	0, ';', 24
26	0, '?', 25
27	0,'~',26 0,'.',36 0,'#',37 0,'=',38
28	1, letter, 1 - 1, digit, 1 - 1,'-',1
29	1, else, S-ID
30	2, digit, 2
31	2, '.', 27
32	2, else, S-NO
33	3,'*', 29
34	3,'/', 31
35	3,'=', S-E-DIV
36	3, else, S-DIV
37	4,'=', S-E-MUL
38	4, else, S-MUL
39	5,'=', S-E-REM
40	5, else, S-REM
41	6,'+', S-INC
42	6,'=', S-E-PLS
43	6, else, S-PLS
44	7,'-', S-DEC
45	7,'=', S-E-DEC
46	7,'>', S-PTR
47	7, else, S-MNS
48	8,'=', S-NE
49	8, else, S-N
50	9,'&', B-AND
51	9,'=', S-B-AND-ASG
52	9, else, S-B-AND
53	10,'|', S-OR
54	10,'=', S-B-OR-ASG
55	10, else, S-B-OR
56	11,'>', 32
57	11,'=', S-E-GT
58	11, else, S-GT
59	12,'<', 33
60	12,'=', S-E-LT
61	12, else, S-LT
62	13,':', S-SCP-RES
63	13, else, S-CLN
64	14,'=', S-B-XOR-ASG
65	14, else, S-B-XOR
66	15,'"', S-STR
67	15, '\', 34
68	15, else, 15
69	16, anything, 35 16, '\', 39
70	17, S-R-BRC - 18, S-L-BRC
71	19, S-L-FN - 20, S-R-FN
72	21, S-L-BRK - 22, S-R-BRK
73	23, S-comma - 24, S-SEMI - 25, S-Q - 26, S-B-NOT
74	27, digit, 28 27, else, (error)
75	28, digit, 28 - 28, else, S-NO
76	29,'*', 30 29, else, 29
77	30 '*', 30 - 30,'/', - - 30, else, 29
78	31, \n, - - 31, else, 31
79	32,'=', S-R-ASG - 32, else, S-RST
80	33,'=', S-L-ASG - 33, else, S-LST
81	34, anything, 15
82	35,''', S-CHR 36,'.', S-DOT
83	37,'#', S-HSH 38,'=', S-EQ 38, else, S-ASG

0, else, error

39, any, 35