37. <action> -> NOT T <stmt>

Project Grammar

T = {IDENT T, NUMLIT T, LISTOP1 T, PLUS T, MINUS T, GT T, LT T, TRUE T, FALSE T, DIV T, MULT T, EQUALTO T, GTE T, LTE T, LPAREN T, RPAREN T, SQUOTE T, IDENT T, IF T, COND_T, DISPLAY_T, NEWLINE_T, AND_T, OR_T, NOT_T, DEFINE_T, LET_T, LISTOP2_T, NUMBERP T, LISTP T, ZEROP T, NULLP T, EOFP T, MODULO T, ROUND T, READ T, ELSE T, STRLIT T, ERROR T, EOF T, MAX TOKENS);

<more tokens>, <param list>, <else part>, <stmt pair >, <stmt pair body>, <assign pair>, <more assigns>, <action>, <any other token>}

 $S = \langle program \rangle$ $P = {$ 1. cprogram> -> LPAREN T <define> LPAREN T <more defines> EOF T 2. <more defines> -> <define> LPAREN T <more defines> 3. <more defines> -> IDENT T <stmt list> RPAREN T 4. <define> -> DEFINE T LPAREN T IDENT T param list> RPAREN T <stmt> <stmt list> RPAREN T 5. <stmt list> -> <stmt> <stmt list> 6. \leq stmt list \geq - \geq λ 7. <stmt> -> teral> 8. < stmt > -> IDENT T9. <stmt> -> LPAREN T <action> RPAREN T 10. < literal> -> NUMLIT T 11. literal> -> STRLIT T 12. literal> -> SQUOTE T <quoted lit> 13. literal> -> <logical lit> 14. <quoted lit> -> <any other token> 15. <logical lit> -> TRUE T 16. <logical lit> -> FALSE T 17. <more tokens> -> <any other token> <more tokens> 18. <more tokens> -> λ 19. <param list> -> IDENT T <param list> 20. <param list> -> λ 21. <else part> -> <stmt> 22. $\langle \text{else part} \rangle - \lambda$ 23. <stmt pair> -> LPAREN T <stmt pair body> 24. $\langle \text{stmt pair} \rangle - \lambda$ 25. <stmt pair body> -> <stmt> <stmt> RPAREN T <stmt pair> 26. <stmt pair body> -> ELSE T <stmt> RPAREN T 27. <assign pair> -> LPAREN T IDENT T <stmt> RPAREN T 28. <more assigns> -> <assign pair> <more assigns> 29. <more assigns> -> λ 30. <action> -> IF T <stmt> <stmt> <else_part> 31. <action> -> COND T LPAREN T <stmt pair body> 32. <action> -> LET T LPAREN T <more assigns> RPAREN T <stmt> <stmt list> 33. <action> -> LISTOP1 T <stmt> 34. <action> -> LISTOP2 T <stmt> <stmt> 35. <action> -> AND T <stmt list> 36. <action> -> OR T <stmt list>

```
38. <action> -> NUMBERP T <stmt>
39. <action> -> LISTP T <stmt>
40. <action> -> ZEROP T <stmt>
41. <action> -> NULLP T <stmt>
42. <action> -> EOFP T <stmt>
43. <action> -> PLUS T <stmt list>
44. <action> -> MINUS T <stmt> <stmt list>
45. <action> -> DIV T <stmt> <stmt list>
46. <action> -> MULT_T <stmt_list>
47. <action> -> MODULO T <stmt> <stmt>
48. <action> -> ROUND T <stmt>
49. <action> -> EQUALTO T <stmt list>
50. <action> -> GT T <stmt list>
51. <action> -> LT T <stmt list>
52. <action> -> GTE T <stmt list>
53. <action> -> LTE T <stmt list>
54. <action> -> IDENT T <stmt list>
55. <action> -> DISPLAY T <stmt>
56. <action> -> NEWLINE T
57. <action> -> READ T
58. <any other token> -> LPAREN T <more tokens> RPAREN T
59. <any other token> -> IDENT T
60. <any other token> -> NUMLIT T
61. <any other token> -> STRLIT T
62. <any other token> -> IF T
63. <any other token> -> DISPLAY T
64. <any other token> -> NEWLINE T
65. <any other token> -> READ T
66. <any other token> -> LISTOP1 T
67. <any_other_token> -> LISTOP2_T
68. <any other token> -> AND T
69. <any other token> -> OR T
70. <any other token> -> NOT T
71. <any other token> -> DEFINE T
72. <any other token> -> LET T
73. <any other token> -> NUMBERP T
74. <any other token> -> LISTP T
75. <any other token> -> ZEROP T
76. <any other token> -> NULLP T
77. <any other token> -> EOFP T
78. <any other token> -> PLUS T
79. <any other token> -> MINUS T
80. <any other token> -> DIV T
81. <any other token> -> MULT T
82. <any other token> -> MODULO T
83. <any other token> -> ROUND T
84. <any other token> -> EQUALTO T
85. <any other token> -> GT T
86. <any other token> -> LT T
87. <any other token> -> GTE T
88. <any other token> -> LTE T
89. <any other token> -> SQUOTE T <any other token>
90. <any other token> -> COND T
91. <any other token> -> ELSE T
92. <any other token> -> TRUE T
93. <any other token> -> FALSE T
```