

test1.txt

```
✉ test1
1 [ $ ]
2 [ $ COMPOUND_STMT IDENTIFIER program ]
3 [ $ COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ COMPOUND_STMT ]
6 [ $ COMPOUND_STMT identifier ]
7 [MATCH] - identifier - identifier
8 [ $ ]
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - int - int
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = -
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] - , -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = -
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
```



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E test1
345 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
346 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS ]
347 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
348 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
349 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : SIMPLE_STMT ]
350 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
351 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
352 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
353 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
354 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
355 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
356 [MATCH] - print_line - print_line
357 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
358 [MATCH] - ( - (
359 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : STRING_LITERAL ]
360 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : STRING_LITERAL ]
361 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
362 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
363 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
364 [MATCH] - string_literal - string_literal
365 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : ]
366 [MATCH] - ) - )
367 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : ]
368 [MATCH] - ; -
369 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
370 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
371 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
372 [MATCH] - end - end
373 [ $ end STMTS_PRIME ELSE_STMT ]
374 [ $ end STMTS_PRIME ELSE_STMT ]
375 [ $ end STMTS_PRIME ]
376 [ $ end STMTS_PRIME COMPOUND_STMT else ]
377 [ $ end STMTS_PRIME COMPOUND_STMT ]
378 [MATCH] - else - else
379 [ $ end STMTS_PRIME ]
380 [ $ end STMTS_PRIME end STMTS begin ]
381 [ $ end STMTS_PRIME end STMTS ]
382 [MATCH] - begin - begin
383 [ $ end STMTS_PRIME end ]
384 [ $ end STMTS_PRIME end STMTS_PRIME Stmt ]
385 [ $ end STMTS_PRIME end STMTS_PRIME ]
386 [ $ end STMTS_PRIME end STMTS_PRIME : SIMPLE_STMT ]
387 [ $ end STMTS_PRIME end STMTS_PRIME : ]
388 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT ]
389 [ $ end STMTS_PRIME end STMTS_PRIME : ]
390 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
391 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
392 [MATCH] - print_line - print_line
393 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT(PRINT_LINE) ]
394 [MATCH] - ( - (
395 [ $ end STMTS_PRIME end STMTS_PRIME : STRING_LITERAL ]
396 [ $ end STMTS_PRIME end STMTS_PRIME : STRING_LITERAL ]
397 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
398 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
399 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
400 [MATCH] - string_literal - string_literal
401 [ $ end STMTS_PRIME end STMTS_PRIME : ]
402 [MATCH] - ) - )
403 [ $ end STMTS_PRIME end STMTS_PRIME ]
404 [MATCH] - ; -
405 [ $ end STMTS_PRIME end ]
406 [ $ end STMTS_PRIME end ]
407 [ $ end STMTS_PRIME ]
408 [MATCH] - end - end
409 [ $ end ]
410 [ $ end ]
411 [ $ ]
412 [MATCH] - end - end
413 []
414 [MATCH] - $ - $
415 Parsing Ok
416

```

test1error.txt

```
£ out2
1 [ $ ]
2 [ $ COMPOUND_STMT IDENTIFIER program ]
3 [ $ COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ COMPOUND_STMT ]
6 [ $ COMPOUND_STMT identifier ]
7 [MATCH] - identifier - identifier
8 [ $ ]
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - int - int
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = =
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] - , -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = =
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
```



```

# out2
345 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
346 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS ]
347 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
348 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
349 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : SIMPLE_STMT ]
350 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
351 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
352 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
353 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT ]
354 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT_PRIME { print_line } ]
355 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT_PRIME { print_line } ]
356 [MATCH] - print_line - print_line
357 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : PRINT_STMT_PRIME { print_line } ]
358 [MATCH] - ( -
359 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : STRING_LITERAL ]
360 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
361 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
362 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
363 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
364 [MATCH] - string_literal - string_literal
365 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
366 [MATCH] - ) -
367 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : string_literal ]
368 [MATCH] - ; -
369 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
370 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
371 [ $ end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
372 [MATCH] - end - end
373 [ $ end STMTS_PRIME ELSE_STMT ]
374 [ $ end STMTS_PRIME ELSE_STMT ]
375 [ $ end STMTS_PRIME ]
376 [ $ end STMTS_PRIME COMPOUND_STMT else ]
377 [ $ end STMTS_PRIME COMPOUND_STMT ]
378 [MATCH] - else - else
379 [ $ end STMTS_PRIME ]
380 [ $ end STMTS_PRIME end STMTS begin ]
381 [ $ end STMTS_PRIME end STMTS ]
382 [MATCH] - begin - begin
383 [ $ end STMTS_PRIME end ]
384 [ $ end STMTS_PRIME end STMTS_PRIME Stmt ]
385 [ $ end STMTS_PRIME end STMTS_PRIME ]
386 [ $ end STMTS_PRIME end STMTS_PRIME : SIMPLE_STMT ]
387 [ $ end STMTS_PRIME end STMTS_PRIME : ]
388 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT ]
389 [ $ end STMTS_PRIME end STMTS_PRIME : ]
390 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT_PRIME { print_line } ]
391 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT_PRIME { print_line } ]
392 [MATCH] - print_line - print_line
393 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT_PRIME ]
394 [MATCH] - ( -
395 [ $ end STMTS_PRIME end STMTS_PRIME : STRING_LITERAL ]
396 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
397 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
398 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
399 [ $ end STMTS_PRIME end STMTS_PRIME : string_literal ]
400 [MATCH] - string_literal - string_literal
401 [ $ end STMTS_PRIME end STMTS_PRIME : ]
402 [MATCH] - ) -
403 [ $ end STMTS_PRIME end STMTS_PRIME ]
404 [MATCH] - ; -
405 [ $ end STMTS_PRIME end ]
406 [ $ end STMTS_PRIME end ]
407 [ $ end STMTS_PRIME ]
408 [MATCH] - end - end
409 [ $ end ]
410 keyword end not matched
411
412 Parsing Failed

```

test2.txt

```
✉ out
1 [ $ ]
2 [ $ COMPOUND_STMT IDENTIFIER program ]
3 [ $ COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ COMPOUND_STMT ]
6 [ $ COMPOUND_STMT identifier ]
7 [MATCH] - identifier - identifier
8 [ $ ]
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - int - int
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = -
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] - , -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = -
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; ]
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E out
87 [ $ end STMTS_PRIME ]
88 [MATCH] - ; -
89 [ $ end ]
90 [ $ end STMTS ]
91 [ $ end ]
92 [ $ end STMTS_PRIME STMT ]
93 [ $ end STMTS_PRIME ]
94 [ $ end STMTS_PRIME WHILE_STMT ]
95 [ $ end STMTS_PRIME ]
96 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION while ]
97 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION ]
98 [MATCH] - while - while
99 [ $ end STMTS_PRIME COMPOUND_STMT ]
100 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION ]
101 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME ]
102 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
103 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
104 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
105 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
106 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION ( ]
107 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION )
108 [MATCH] - ( -
109 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
110 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION ]
111 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
112 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
113 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
114 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
115 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
116 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
117 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
118 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
119 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
120 [MATCH] - identifier - identifier
121 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
122 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
123 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
124 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
125 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME EXPRESSION_PRIME ]
126 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
127 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
128 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_RELATIONAL_OPERATOR ]
129 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION ]
130 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION < ]
131 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION ]
132 [MATCH] - < - <
133 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
134 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
135 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME ]
136 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
137 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
138 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
139 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
140 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
141 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
142 [MATCH] - number_literal - number_literal
143 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME ]
144 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME ]
145 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
146 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
147 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
148 [MATCH] - ) -
149 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME )
150 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME )
151 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME )
152 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME )
153 [ $ end STMTS_PRIME COMPOUND_STMT )
154 [ $ end STMTS_PRIME COMPOUND_STMT )
155 [ $ end STMTS_PRIME )
156 [ $ end STMTS_PRIME end STMTS begin ]
157 [ $ end STMTS_PRIME end STMTS ]
158 [MATCH] - begin - begin
159 [ $ end STMTS_PRIME end ]
160 [ $ end STMTS_PRIME end STMTS_PRIME STMT ]
161 [ $ end STMTS_PRIME end STMTS_PRIME ) ]
162 [ $ end STMTS_PRIME end STMTS_PRIME : SIMPLE_STMT ]
163 [ $ end STMTS_PRIME end STMTS_PRIME : ]
164 [ $ end STMTS_PRIME end STMTS_PRIME : PRINT_STMT ]
165 [ $ end STMTS_PRIME end STMTS_PRIME : ]
166 [ $ end STMTS_PRIME end STMTS_PRIME : ) PRINT_STMT_PRIME ( print_line ]
167 [ $ end STMTS_PRIME end STMTS_PRIME : ) PRINT_STMT_PRIME ( ]
168 [MATCH] - print_line - print_line
169 [ $ end STMTS_PRIME end STMTS_PRIME : ) PRINT_STMT_PRIME ]
170 [MATCH] - ( -
171 [ $ end STMTS_PRIME end STMTS_PRIME : ) IDENTIFIER ]
172 [ $ end STMTS_PRIME end STMTS_PRIME ; ) IDENTIFIER ]

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≡ out
173 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
174 [ $ end STMTS_PRIME end STMTS_PRIME ; ) identifier ]
175 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
176 [MATCH] - identifier
177 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
178 [MATCH] - ) -
179 [ $ end STMTS_PRIME end STMTS_PRIME ]
180 [MATCH] - ; -
181 [ $ end STMTS_PRIME end ]
182 [ $ end STMTS_PRIME end STMTS ]
183 [ $ end STMTS_PRIME end ]
184 [ $ end STMTS_PRIME end STMTS_PRIME Stmt ]
185 [ $ end STMTS_PRIME end STMTS_PRIME ]
186 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMT ]
187 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
188 [ $ end STMTS_PRIME end STMTS_PRIME ; ASSIGNMENT_STMT ]
189 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
190 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = IDENTIFIER ]
191 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
192 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = identifier ]
193 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
194 [MATCH] - identifier - identifier
195 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION ]
196 [MATCH] - == =
197 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
198 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION ]
199 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
200 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
201 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
202 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
203 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
204 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
205 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
206 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
207 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
208 [MATCH] - identifier - identifier
209 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
210 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
211 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
212 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
213 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
214 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ADDING_OPERATOR ]
215 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
216 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM + ]
217 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
218 [MATCH] - + -
219 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
220 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
221 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
222 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
223 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
224 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
225 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
226 [MATCH] - number_literal - number_literal
227 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
228 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
229 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
230 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
231 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
232 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
233 [ $ end STMTS_PRIME end STMTS_PRIME ]
234 [MATCH] - ; -
235 [ $ end STMTS_PRIME end ]
236 [ $ end STMTS_PRIME end STMTS ]
237 [ $ end STMTS_PRIME end ]
238 [ $ end STMTS_PRIME end STMTS_PRIME Stmt ]
239 [ $ end STMTS_PRIME end STMTS_PRIME ]
240 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMT ]
241 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
242 [ $ end STMTS_PRIME end STMTS_PRIME ; ASSIGNMENT_STMT ]
243 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
244 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = IDENTIFIER ]
245 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
246 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = identifier ]
247 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
248 [MATCH] - identifier - identifier
249 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION ]
250 [MATCH] - == =
251 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
252 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION ]
253 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
254 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
255 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
256 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
257 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
258 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]

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 59 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ] ]
60 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
61 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
64 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
65 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
66 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
67 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
68 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ADDING_OPERATOR ]
69 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
70 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM + ]
71 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
72 [MATCH] - + +
73 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
74 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
75 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
77 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
79 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
80 [MATCH] - number_literal - number_literal
81 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
84 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
85 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
87 [ $ end STMTS_PRIME end STMTS_PRIME ]
88 [MATCH] - : -
89 [ $ end STMTS_PRIME end ]
90 [ $ end STMTS_PRIME end ]
91 [ $ end STMTS_PRIME ]
92 [MATCH] - end - end
93 [ $ end ]
94 [ $ end ]
95 [ $ ]
96 [MATCH] - end - end
97 []
98 [MATCH] - $ - $
99 Parsing Ok
300
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test2error.txt

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✉ out
1 [ $ ]
2 [ $ COMPOUND_STMT IDENTIFIER program ]
3 [ $ COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ COMPOUND_STMT ]
6 [ $ COMPOUND_STMT identifier ]
7 [ $ COMPOUND_STMT ]
8 [MATCH] - identifier - identifier
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - int - int
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = =
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] - , -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = =
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; ]
```

```
  E out
87   [ $ end  STMTS_PRIME ]
88   [MATCH] - ; -
89   [ $ end ]
90 keyword spelling error
91 Parsing Failed
92
```

test3.txt

```
✉ out
1 [ $ ]
2 [ $ COMPOUND_STMT IDENTIFIER program ]
3 [ $ COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ COMPOUND_STMT ]
6 [ $ COMPOUND_STMT identifier ]
7 [ $ COMPOUND_STMT ]
8 [MATCH] - identifier - identifier
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION integer ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - integer - integer
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = -
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] - , -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = -
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
```

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 $\vdash$  out
87 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
88 [MATCH] - , -
89 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
90 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
91 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
92 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
93 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
94 [MATCH] - identifier - identifier
95 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
96 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
97 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
98 [MATCH] - = =
99 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
100 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
101 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
102 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
103 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
104 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
105 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
106 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
107 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
108 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
109 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
110 [MATCH] - number_literal
111 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
112 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
113 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
114 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
115 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
116 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
117 [ $ end STMTS_PRIME ; ]
118 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
119 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
120 [MATCH] - , -
121 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
122 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
123 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
124 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
125 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
126 [MATCH] - identifier - identifier
127 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
128 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
129 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
130 [MATCH] - = =
131 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
132 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
133 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
134 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
135 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
136 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
137 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
138 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
139 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
140 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
141 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
142 [MATCH] - number_literal - number_literal
143 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
144 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
145 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
146 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
147 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
148 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
149 [ $ end STMTS_PRIME ; ]
150 [ $ end STMTS_PRIME ; ]
151 [ $ end STMTS_PRIME ]
152 [MATCH] - ; -
153 [ $ end ]
154 [ $ end STMTS ]
155 [ $ end ]
156 [ $ end STMTS_PRIME STMT ]
157 [ $ end STMTS_PRIME ]
158 [ $ end STMTS_PRIME FOR_STMT ]
159 [ $ end STMTS_PRIME ]
160 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION ; DECLARATION_STMT ( for ]
161 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION ; DECLARATION_STMT ( )
162 [MATCH] - for - for
163 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; DECLARATION_STMT ]
164 [MATCH] - ( -
165 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; ]
166 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_TYPE ]
167 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
168 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
169 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
170 [MATCH] - int - int
171 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS ]
172 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]

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  █ out
259 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
260 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
261 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME ]
262 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
263 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
264 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
265 [ $ end STMTS_PRIME COMPOUND_STMT )
266 [MATCH] - ) - )
267 [ $ end STMTS_PRIME ]
268 [ $ end STMTS_PRIME end STMTS begin ]
269 [ $ end STMTS_PRIME end STMTS ]
270 [MATCH] - begin - begin
271 [ $ end STMTS_PRIME end ]
272 [ $ end STMTS_PRIME end STMTS_PRIME_STMT ]
273 [ $ end STMTS_PRIME end STMTS_PRIME ]
274 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMT ]
275 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
276 [ $ end STMTS_PRIME end STMTS_PRIME ; DISPLAY_STMT ]
277 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
278 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( display ]
279 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( ]
280 [MATCH] - display - display
281 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ]
282 [MATCH] - ( - (
283 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
284 [ $ end STMTS_PRIME end STMTS_PRIME ; ) string_literal ]
285 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
286 [MATCH] - string_literal - string_literal
287 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
288 [MATCH] - ) - )
289 [ $ end STMTS_PRIME end STMTS_PRIME ]
290 [MATCH] - ) - -
291 [ $ end STMTS_PRIME end ]
292 [ $ end STMTS_PRIME end ]
293 [ $ end STMTS_PRIME ]
294 [MATCH] - end - end
295 [ $ end ]
296 [ $ end STMTS ]
297 [ $ end ]
298 [ $ end STMTS_PRIME STMT ]
299 [ $ end STMTS_PRIME ]
300 [ $ end STMTS_PRIME WHILE_STMT ]
301 [ $ end STMTS_PRIME ]
302 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION while ]
303 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION ]
304 [MATCH] - while - while
305 [ $ end STMTS_PRIME COMPOUND_STMT ]
306 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION ]
307 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME ]
308 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
309 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
310 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
311 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME TERM_PRIME ]
312 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION ( ]
313 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION )
314 [MATCH] - ( - (
315 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
316 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION ]
317 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
318 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
319 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
320 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
321 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
322 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
323 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
324 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
325 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
326 [MATCH] - identifier - identifier
327 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
328 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
329 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
330 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
331 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
332 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
333 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME ]
334 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION_RELATIONAL_OPERATOR ]
335 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION ]
336 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION_PRIME SIMPLE_EXPRESSION < ]
337 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION ]
338 [MATCH] - < - <
339 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
340 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM ]
341 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME ]
342 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
343 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
344 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]

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E out
345 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
346 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
347 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
348 [MATCH] - number_literal - number_literal
349 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME ]
350 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) SIMPLE_EXPRESSION_PRIME ]
351 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
352 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
353 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
354 [MATCH] - ) - )
355 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
356 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
357 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME ]
358 [ $ end STMTS_PRIME COMPOUND_STMTT EXPRESSION_PRIME ]
359 [ $ end STMTS_PRIME COMPOUND_STMTT ]
360 [ $ end STMTS_PRIME COMPOUND_STMTT ]
361 [ $ end STMTS_PRIME ]
362 [ $ end STMTS_PRIME end STMTS begin ]
363 [ $ end STMTS_PRIME end STMTS ]
364 [MATCH] - begin - begin
365 [ $ end STMTS_PRIME end ]
366 [ $ end STMTS_PRIME end STMTS_PRIME Stmtt ]
367 [ $ end STMTS_PRIME end STMTS_PRIME ]
368 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMTT ]
369 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
370 [ $ end STMTS_PRIME end STMTS_PRIME ; ASSIGNMENT_STMTT ]
371 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
372 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = IDENTIFIER ]
373 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
374 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = identifier ]
375 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION = ]
376 [MATCH] - identifier - identifier
377 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION ]
378 [MATCH] - == ==
379 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
380 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION ]
381 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
382 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
383 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
384 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
385 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
386 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
387 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
388 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
389 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
390 [MATCH] - identifier - identifier
391 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
392 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
393 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
394 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
395 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
396 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ADDING_OPERATOR ]
397 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
398 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM + ]
399 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
400 [MATCH] - + + +
401 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
402 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
403 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
404 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
405 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
406 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
407 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
408 [MATCH] - number_literal - number_literal
409 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
410 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
411 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
412 [ $ end STMTS_PRIME end STMTS_PRIME ; EXPRESSION_PRIME ]
413 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
414 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
415 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
416 [MATCH] - ; ;
417 [ $ end STMTS_PRIME end ]
418 [ $ end STMTS_PRIME end STMTS ]
419 [ $ end STMTS_PRIME end ]
420 [ $ end STMTS_PRIME end STMTS_PRIME Stmtt ]
421 [ $ end STMTS_PRIME end STMTS_PRIME ]
422 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMTT ]
423 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
424 [ $ end STMTS_PRIME end STMTS_PRIME ; DISPLAY_STMTT ]
425 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
426 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( display ]
427 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( ]
428 [MATCH] - display - display
429 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ]
430 [MATCH] - ( - (

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@ out
517 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ) STRING_LITERAL ( ]
518 [MATCH] - display - display
519 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ) STRING_LITERAL ]
520 [MATCH] - ( - (
521 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ) )
522 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ) string_literal ]
523 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ) ]
524 [MATCH] - string_literal - string_literal
525 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ]
526 [MATCH] - ) - (
527 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
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528 [MATCH] - ; - ;

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529 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
530 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
531 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
532 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME Stmt ]
533 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
534 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : SIMPLE_STMT ]
535 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ]
536 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME : BREAK_STMT ]
537 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ]
538 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; break ]
539 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ; ]
540 [MATCH] - break - break
541 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end STMTS_PRIME ]
542 [MATCH] - ; - ;
543 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
544 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT end ]
545 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ELSE_IF_STMT ]
546 [MATCH] - end - end
547 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ]
548 [ $ end STMTS_PRIME end STMTS_PRIME ELSE_STMT ]
549 [ $ end STMTS_PRIME end STMTS_PRIME ]
550 [ $ end STMTS_PRIME end STMTS_PRIME ]
551 [ $ end STMTS_PRIME end ]
552 [ $ end STMTS_PRIME end ]
553 [ $ end STMTS_PRIME end ]
554 [MATCH] - end - end
555 [ $ end ]
556 [ $ end ]
557 [ $ ]
558 [MATCH] - end - end
559 [ ]
560 [MATCH] - $ - $
561 Parsing Ok
562
```

test3error.txt

```
E out
1 [ $ ]
2 [ $ end COMPOUND_STMT IDENTIFIER program ]
3 [ $ end COMPOUND_STMT IDENTIFIER ]
4 [MATCH] - program - program
5 [ $ end COMPOUND_STMT ]
6 [ $ end COMPOUND_STMT identifier ]
7 [ $ end COMPOUND_STMT ]
8 [MATCH] - identifier - identifier
9 [ $ ]
10 [ $ end STMTS begin ]
11 [ $ end STMTS ]
12 [MATCH] - begin - begin
13 [ $ end ]
14 [ $ end STMTS_PRIME Stmt ]
15 [ $ end STMTS_PRIME ]
16 [ $ end STMTS_PRIME ; SIMPLE_STMT ]
17 [ $ end STMTS_PRIME ; ]
18 [ $ end STMTS_PRIME ; DECLARATION_STMT ]
19 [ $ end STMTS_PRIME ; ]
20 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION TYPE ]
21 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
22 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION integer ]
23 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
24 [MATCH] - integer - integer
25 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
26 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
27 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
28 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
29 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
30 [MATCH] - identifier - identifier
31 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
32 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
33 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
34 [MATCH] - = - =
35 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
36 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
37 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
38 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
39 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
40 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
41 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
42 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
43 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
44 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
45 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
46 [MATCH] - number_literal - number_literal
47 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
48 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
49 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
50 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
51 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
52 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
53 [ $ end STMTS_PRIME ; ]
54 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
55 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
56 [MATCH] -
57 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
58 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
59 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
60 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
61 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
62 [MATCH] - identifier - identifier
63 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
64 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
65 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
66 [MATCH] - = - =
67 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
68 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
69 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
70 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
71 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
72 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
73 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
74 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
75 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
76 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
77 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
78 [MATCH] - number_literal - number_literal
79 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
80 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
81 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
82 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
83 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
84 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
85 [ $ end STMTS_PRIME ; ]
86 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION , ]
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≡ out
87 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
88 [ MATCH ] - - ,
89 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
90 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
91 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
92 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
93 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
94 [MATCH] - identifier = identifier
95 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
96 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION = ]
97 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION ]
98 [MATCH] - = =
99 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
100 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
101 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
102 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
103 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
104 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
105 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
106 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
107 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
108 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
109 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
110 [MATCH] - number_literal = number_literal
111 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
112 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
113 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
114 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
115 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
116 [ $ end STMTS_PRIME ; VARIABLE_DECLARATIONS ]
117 [ $ end STMTS_PRIME ; ]
118 [ $ end STMTS_PRIME ; ]
119 [ $ end STMTS_PRIME ; ]
120 [MATCH] - = ;
121 [ $ end ]
122 [ $ end STMTS ]
123 [ $ end ]
124 [ $ end STMTS_PRIME_STMT ]
125 [ $ end STMTS_PRIME ]
126 [ $ end STMTS_PRIME FOR_STMT ]
127 [ $ end STMTS_PRIME ]
128 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : DECLARATION_STMT ( for ]
129 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : DECLARATION_STMT ( ]
130 [MATCH] - for - for
131 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : DECLARATION_STMT ]
132 [MATCH] - ( -
133 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : ]
134 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION TYPE ]
135 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
136 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION int ]
137 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION ]
138 [MATCH] - int - int
139 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS ]
140 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME IDENTIFIER ]
141 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
142 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME identifier ]
143 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS VARIABLE_DECLARATION_PRIME ]
144 [MATCH] - Identifier = Identifier
145 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS ]
146 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION = ]
147 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION ]
148 [MATCH] - = =
149 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS ]
150 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION ]
151 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
152 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
153 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
154 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
155 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
156 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
157 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
158 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
159 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
160 [MATCH] - number_literal = number_literal
161 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
162 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
163 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
164 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS EXPRESSION_PRIME ]
165 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS ]
166 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : VARIABLE_DECLARATIONS ]
167 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : ]
168 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : ]
169 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION : ]
170 [MATCH] - = ;
171 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : ]
172 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION : EXPRESSION_PRIME SIMPLE_EXPRESSION ]

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≡ out
173 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME ]
174 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
175 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
176 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
177 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
178 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
179 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
180 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
181 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
182 [MATCH] - < - <
183 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
184 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
185 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
186 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
187 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME ]
188 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; EXPRESSION_PRIME ]
189 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; ]
190 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_RELATIONAL_OPERATOR ]
191 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION ]
192 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION < ]
193 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION ]
194 [MATCH] - < - <
195 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; ]
196 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM ]
197 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME ]
198 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
199 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME ]
200 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM_PRIME NUMBER_LITERAL ]
201 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
202 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM_PRIME number_literal ]
203 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
204 [MATCH] - number_literal - number_literal
205 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME ]
206 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; SIMPLE_EXPRESSION_PRIME ]
207 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; ]
208 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; ]
209 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION ; ]
210 [MATCH] - > -
211 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
212 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION ]
213 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME ]
214 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
215 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
216 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
217 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
218 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME IDENTIFIER ]
219 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
220 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME identifier ]
221 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR_PRIME ]
222 [MATCH] - identifier - identifier
223 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
224 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ++ ]
225 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
226 [MATCH] - ++ - ++
227 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
228 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
229 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME ]
230 [ $ end STMTS_PRIME COMPOUND_STMT ) EXPRESSION_PRIME ]
231 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
232 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
233 [ $ end STMTS_PRIME COMPOUND_STMT ) ]
234 [MATCH] - -
235 [ $ end STMTS_PRIME ]
236 [ $ end STMTS_PRIME end STMTS_begin ]
237 [ $ end STMTS_PRIME end STMTS ]
238 [MATCH] - begin - begin
239 [ $ end STMTS_PRIME end ]
240 [ $ end STMTS_PRIME end STMTS_PRIME_STMT ]
241 [ $ end STMTS_PRIME end STMTS_PRIME ]
242 [ $ end STMTS_PRIME end STMTS_PRIME ; SIMPLE_STMT ]
243 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
244 [ $ end STMTS_PRIME end STMTS_PRIME ; DISPLAY_STMT ]
245 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
246 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( display ]
247 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ( )
248 [MATCH] - display - display
249 [ $ end STMTS_PRIME end STMTS_PRIME ; ) STRING_LITERAL ]
250 [MATCH] - ( -
251 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
252 [ $ end STMTS_PRIME end STMTS_PRIME ; ) string_literal ]
253 [ $ end STMTS_PRIME end STMTS_PRIME ; ) ]
254 [MATCH] - string_literal - string_literal
255 [ $ end STMTS_PRIME end STMTS_PRIME ; ]
256 [MATCH] - ) -
257 [ $ end STMTS_PRIME end STMTS_PRIME ]
258 [MATCH] - ) -

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≡ out
259 [ $ end STMTS_PRIME end ]
260 [ $ end STMTS_PRIME end ]
261 [ $ end STMTS_PRIME ]
262 [MATCH] - end - end
263 [ $ end ]
264 [ $ end STMTS ]
265 [ $ end ]
266 [ $ end STMTS_PRIME STMT ]
267 [ $ end STMTS_PRIME ]
268 [ $ end STMTS_PRIME WHILE_STMT ]
269 [ $ end STMTS_PRIME ]
270 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION while ]
271 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION ]
272 [MATCH] - while - while
273 [ $ end STMTS_PRIME COMPOUND_STMT ]
274 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION ]
275 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME ]
276 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM ]
277 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME ]
278 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME FACTOR ]
279 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ]
280 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION ( ]
281 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) EXPRESSION ]
282 [MATCH] - ( -
283 [ $ end STMTS_PRIME COMPOUND_STMT EXPRESSION_PRIME SIMPLE_EXPRESSION_PRIME TERM_PRIME ) ]
284 temp not declared
285 Parsing Failed
286
```