

1. Grammar symbols: Used cross reference.

Reference of each grammar's symbol used within each rule's productions. The index uses the tripple: rule name, its subrule no, and the symbol's position within the symbol string.

2. # fsm-class:.

Rfsm_class 1.2

3. # fsm-comments:.

Rfsm_comments 1.2

4. # fsm-date:.

Rfsm_date 1.2

5. # fsm-debug:.

Rfsm_debug 1.2

6. # fsm-filename:.

Rfsm_filename 1.2

7. # fsm-id:.

Rfsm_id 1.2

8. # fsm-namespace:.

Rfsm_namespace 1.2

9. # fsm-version:.

Rfsm_version 1.2

10. (:.

Ropen_par 2.1

11.):.

Rclose_par 2.1

12. ,:.

Rfsm_filename_phrase 1.1 Rfsm_namespace_phrase 1.1 Rfsm_class_phrase 1.1 Rfsm_version_phrase 1.1
Rfsm_date_phrase 1.1 Rfsm_debug_phrase 1.1 Rfsm_comments_phrase 1.1

13. NS_c_string::TH_c_string:.

Rfsm_id_name 1.3 Rfsm_version_string 1.3 Rfsm_date_string 1.3 Rfsm_debug_string 1.3
Rfsm_comments_string 1.3

14. NS_fsm_class_phrase_th::TH_fsm_class_phrase_th::

Rfsm_class_name 1.3

15. NS_identifier::TH_identifier::

Rfsm_id 1.3 Rfsm_filename 1.3 Rfsm_filename_name 1.3 Rfsm_namespace 1.3 Rfsm_namespace_name 1.3
Rfsm_class 1.3 Rfsm_version 1.3 Rfsm_date 1.3 Rfsm_debug 1.3 Rfsm_comments 1.3

16. NS_lint_balls::TH_lint_balls::

Rlint 1.3 Rlint_epi 1.3

17. NULL thread::

Rfsm_id 2.3 Rfsm_id_name 2.3 Rfsm_filename 2.3 Rfsm_filename_name 2.3 Rfsm_namespace 2.3
Rfsm_namespace_name 2.3 Rfsm_class 2.3 Rfsm_class_name 2.3 Rfsm_version 2.3 Rfsm_version_string
2.3 Rfsm_date 2.3 Rfsm_date_string 2.3 Rfsm_debug 2.3 Rfsm_debug_string 2.3 Rfsm_comments 2.3
Rfsm_comments_string 2.3

18. Rclose_par::

Rfsm_phrase 1.4

19. Rfsm_class::

Rfsm_class_phrase 1.3

20. Rfsm_class_name::

Rfsm_class_phrase 1.5

21. Rfsm_class_phrase::

Rparameters 1.8

22. Rfsm_comments::

Rfsm_comments_phrase 1.3

23. Rfsm_comments_phrase::

Rparameters 1.16

24. Rfsm_comments_string::

Rfsm_comments_phrase 1.5

25. Rfsm_date::

Rfsm_date_phrase 1.3

26. Rfsm_date_phrase:.

Rparameters 1.12

27. Rfsm_date_string:.

Rfsm_date_phrase 1.5

28. Rfsm_debug:.

Rfsm_debug_phrase 1.3

29. Rfsm_debug_phrase:.

Rparameters 1.14

30. Rfsm_debug_string:.

Rfsm_debug_phrase 1.5

31. Rfsm_filename:.

Rfsm_filename_phrase 1.3

32. Rfsm_filename_name:.

Rfsm_filename_phrase 1.5

33. Rfsm_filename_phrase:.

Rparameters 1.4

34. Rfsm_id:.

Rfsm_id_phrase 1.1

35. Rfsm_id_name:.

Rfsm_id_phrase 1.3

36. Rfsm_id_phrase:.

Rparameters 1.2

37. Rfsm_namespace:.

Rfsm_namespace_phrase 1.3

38. Rfsm_namespace_name:.

Rfsm_namespace_phrase 1.5

39. Rfsm_namespace_phrase::

Rparameters 1.6

40. Rfsm_version::

Rfsm_version_phrase 1.3

41. Rfsm_version_phrase::

Rparameters 1.10

42. Rfsm_version_string::

Rfsm_version_phrase 1.5

43. Rlint::

Rfsm_phrase 1.5 Rparameters 1.1 Rparameters 1.3 Rparameters 1.5 Rparameters 1.7 Rparameters 1.9 Rparameters 1.11 Rparameters 1.13 Rparameters 1.15 Rparameters 1.17 Rfsm_id_phrase 1.2 Rfsm_filename_phrase 1.2 Rfsm_filename_phrase 1.4 Rfsm_namespace_phrase 1.2 Rfsm_namespace_phrase 1.4 Rfsm_class_phrase 1.2 Rfsm_class_phrase 1.4 Rfsm_version_phrase 1.2 Rfsm_version_phrase 1.4 Rfsm_date_phrase 1.2 Rfsm_date_phrase 1.4 Rfsm_debug_phrase 1.2 Rfsm_debug_phrase 1.4 Rfsm_comments_phrase 1.2 Rfsm_comments_phrase 1.4

44. Rlint_epi::

Rfsm_phrase 1.1

45. Ropen_par::

Rfsm_phrase 1.2

46. Rparameters::

Rfsm_phrase 1.3

47. ϵ ::

Rlint 2.1 Rlint_epi 2.1

48. c-string::

Rfsm_id_name 1.2 Rfsm_version_string 1.2 Rfsm_date_string 1.2 Rfsm_debug_string 1.2
Rfsm_comments_string 1.2

49. fsm-class-phrase::

Rfsm_class_name 1.2

50. identifier::

Rfsm_filename_name 1.2 Rfsm_namespace_name 1.2

51. lint:.

Rlint 1.2 Rlint_epi 1.2

52. |?:.

Ropen_par 1.1 Rclose_par 1.1 Rfsm_id 2.2 Rfsm_id 3.1 Rfsm_id_name 2.2 Rfsm_id_name 3.1 Rfsm_filename_phrase 2.1 Rfsm_filename 2.2 Rfsm_filename 3.1 Rfsm_filename_name 2.2 Rfsm_filename_name 3.1 Rfsm_namespace_phrase 2.1 Rfsm_namespace 2.2 Rfsm_namespace 3.1 Rfsm_namespace_name 2.2 Rfsm_namespace_name 3.1 Rfsm_class_phrase 2.1 Rfsm_class 2.2 Rfsm_class 3.1 Rfsm_class_name 2.2 Rfsm_version_phrase 2.1 Rfsm_version 2.2 Rfsm_version 3.1 Rfsm_version_string 2.2 Rfsm_version_string 3.1 Rfsm_date_phrase 2.1 Rfsm_date 2.2 Rfsm_date 3.1 Rfsm_date_string 2.2 Rfsm_date_string 3.1 Rfsm_debug_phrase 2.1 Rfsm_debug 2.2 Rfsm_debug 3.1 Rfsm_debug_string 2.2 Rfsm_debug_string 3.1 Rfsm_comments_phrase 2.1 Rfsm_comments 2.2 Rfsm_comments 3.1 Rfsm_comments_string 2.2 Rfsm_comments_string 3.1

53. |||:.

Rfsm_id 1.1 Rfsm_id 2.1 Rfsm_id_name 1.1 Rfsm_id_name 2.1 Rfsm_filename 1.1 Rfsm_filename 2.1 Rfsm_filename_name 1.1 Rfsm_filename_name 2.1 Rfsm_namespace 1.1 Rfsm_namespace 2.1 Rfsm_namespace_name 1.1 Rfsm_namespace_name 2.1 Rfsm_class 1.1 Rfsm_class 2.1 Rfsm_class_name 1.1 Rfsm_class_name 2.1 Rfsm_version 1.1 Rfsm_version 2.1 Rfsm_version_string 1.1 Rfsm_version_string 2.1 Rfsm_date 1.1 Rfsm_date 2.1 Rfsm_date_string 1.1 Rfsm_date_string 2.1 Rfsm_debug 1.1 Rfsm_debug 2.1 Rfsm_debug_string 1.1 Rfsm_debug_string 2.1 Rfsm_comments 1.1 Rfsm_comments 2.1 Rfsm_comments_string 1.1 Rfsm_comments_string 2.1 Rlint 1.1 Rlint_epi 1.1

54. Grammar Rules's First Sets.

55. *Rfsm_phrase* # in set: 3.
(|?| |||

56. *Ropen_par* # in set: 2.
(|?|

57. *Rclose_par* # in set: 2.
) |?|

58. *Rparameters* # in set: 2.
|?| |||

59. *Rfsm_id_phrase* # in set: 2.
|?| |||

60. *Rfsm_id* # in set: 2.
|?| |||

61. *Rfsm_id_name* # in set: 2.
|?| |||

62. *Rfsm_filename_phrase* # in set: 2.
, |?|

63. *Rfsm_filename* # in set: 2.
|?| |||

64. *Rfsm_filename_name* # in set: 2.
|?| |||

65. *Rfsm_namespace_phrase* # in set: 2.
, |?|

66. *Rfsm_namespace* # in set: 2.
|?| |||

67. *Rfsm_namespace_name* # in set: 2.
|?| |||

68. *Rfsm_class_phrase* # in set: 2.
, |?|

69. *Rfsm_class* # in set: 2.
|?| |||

70. *Rfsm_class_name* # in set: 1.
|||

71. *Rfsm_version_phrase* # in set: 2.
, |?|

72. *Rfsm_version* # in set: 2.

|?| |||

73. *Rfsm_version_string* # in set: 2.

|?| |||

74. *Rfsm_date_phrase* # in set: 2.

, |?|

75. *Rfsm_date* # in set: 2.

|?| |||

76. *Rfsm_date_string* # in set: 2.

|?| |||

77. *Rfsm_debug_phrase* # in set: 2.

, |?|

78. *Rfsm_debug* # in set: 2.

|?| |||

79. *Rfsm_debug_string* # in set: 2.

|?| |||

80. *Rfsm_comments_phrase* # in set: 2.

, |?|

81. *Rfsm_comments* # in set: 2.

|?| |||

82. *Rfsm_comments_string* # in set: 2.

|?| |||

83. *Rlint*^ε # in set: 1.

|||

84. *Rlint_epi*^ε # in set: 1.

|||

85. LR State Network.

List of productions with their derived LR state lists. Their subrule number and symbol string indicates the specific production being derived. The “>” symbol indicates the production’s list of derived states from its closed state. Multiple lists within a production indicate 1 of 2 things:

- 1) derived string that could not be merged due to a lr(1) conflict
- 2) partially derived string merged into another derived lr states

A partially derived string is indicated by the “merged into” symbol ↗ used as a superscript along with the merged into state number.

86. Rfsm_phrase.

1 Rlint_epi Ropen_par Rparameters Rclose_par Rlint

▷ 1 4 5 6 9 12

87. Ropen_par.

```

1 |?|
  ▷ 4 13
2 (
  ▷ 4 14

```

88. Rclose_par.

```

1 |?|
  ▷ 6 7
2 )
  ▷ 6 8

```

89. Rparameters.

```

1 Rlint Rfsm_id_phrase Rlint Rfsm_filename_phrase Rlint Rfsm_namespace_phrase Rlint
  Rfsm_class_phrase Rlint Rfsm_version_phrase Rlint Rfsm_date_phrase Rlint Rfsm_debug_phrase Rlint
  Rfsm_comments_phrase Rlint
  ▷ 5 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 40 41

```

90. Rfsm_id_phrase.

```

1 Rfsm_id Rlint Rfsm_id_name
  ▷ 15 46 47 52

```

91. Rfsm_id.

```

1 ||| # fsm-id NS_identifer::TH_identifer
  ▷ 15 43 45
2 ||| |?| NULL
  ▷ 15 43 44
3 |?|
  ▷ 15 42

```

92. Rfsm_id_name.

```

1 ||| c-string NS_c_string::TH_c_string
  ▷ 47 49 51
2 ||| |?| NULL
  ▷ 47 49 50
3 |?|
  ▷ 47 48

```

93. Rfsm_filename_phrase.

```

1 , Rlint Rfsm_filename Rlint Rfsm_filename_name
  ▷ 17 54 55 56 57 62
2 |?|
  ▷ 17 53

```


94. Rfsm_filename.

```
1 ||| # fsm-filename NS_identifier::TH_identifier
  ▷ 55 117 119
2 ||| |?| NULL
  ▷ 55 117 118
3 |?|
  ▷ 55 116
```

95. Rfsm_filename_name.

```
1 ||| identifier NS_identifier::TH_identifier
  ▷ 57 59 61
2 ||| |?| NULL
  ▷ 57 59 60
3 |?|
  ▷ 57 58
```

96. Rfsm_namespace_phrase.

```
1 , Rlint Rfsm_namespace Rlint Rfsm_namespace_name
  ▷ 19 64 65 66 67 72
2 |?|
  ▷ 19 63
```

97. Rfsm_namespace.

```
1 ||| # fsm-namespace NS_identifier::TH_identifier
  ▷ 65 121 123
2 ||| |?| NULL
  ▷ 65 121 122
3 |?|
  ▷ 65 120
```

98. Rfsm_namespace_name.

```
1 ||| identifier NS_identifier::TH_identifier
  ▷ 67 69 71
2 ||| |?| NULL
  ▷ 67 69 70
3 |?|
  ▷ 67 68
```

99. Rfsm_class_phrase.

```
1 , Rlint Rfsm_class Rlint Rfsm_class_name
  ▷ 21 74 75 76 77 81
2 |?|
  ▷ 21 73
```

100. Rfsm_class.

```
1 ||| # fsm-class NS_identifier::TH_identifier
  ▷ 75 125 127
2 ||| |?| NULL
  ▷ 75 125 126
3 |?|
  ▷ 75 124
```

101. Rfsm_class_name.

```
1 ||| fsm-class-phrase NS_fsm_class_phrase_th::TH_fsm_class_phrase_th
  ▷ 77 78 80
2 ||| |?| NULL
  ▷ 77 78 79
```

102. Rfsm_version_phrase.

```
1 , Rlint Rfsm_version Rlint Rfsm_version_string
  ▷ 23 83 84 85 86 91
2 |?|
  ▷ 23 82
```

103. Rfsm_version.

```
1 ||| # fsm-version NS_identifier::TH_identifier
  ▷ 84 129 131
2 ||| |?| NULL
  ▷ 84 129 130
3 |?|
  ▷ 84 128
```

104. Rfsm_version_string.

```
1 ||| c-string NS_c_string::TH_c_string
  ▷ 86 88 90
2 ||| |?| NULL
  ▷ 86 88 89
3 |?|
  ▷ 86 87
```

105. Rfsm_date_phrase.

```
1 , Rlint Rfsm_date Rlint Rfsm_date_string
  ▷ 25 93 94 95 96 101
2 |?|
  ▷ 25 92
```

106. Rfsm_date.

```
1 ||| # fsm-date NS_identifier::TH_identifier
  ▷ 94 133 135
2 ||| |?| NULL
  ▷ 94 133 134
3 |?|
  ▷ 94 132
```

107. Rfsm_date_string.

```
1 ||| c-string NS_c_string::TH_c_string
  ▷ 96 98 100
2 ||| |?| NULL
  ▷ 96 98 99
3 |?|
  ▷ 96 97
```

108. Rfsm_debug_phrase.

```
1 , Rlint Rfsm_debug Rlint Rfsm_debug_string
  ▷ 27 103 104 105 106 111
2 |?|
  ▷ 27 102
```

109. Rfsm_debug.

```
1 ||| # fsm-debug NS_identifier::TH_identifier
  ▷ 104 137 139
2 ||| |?| NULL
  ▷ 104 137 138
3 |?|
  ▷ 104 136
```

110. Rfsm_debug_string.

```
1 ||| c-string NS_c_string::TH_c_string
  ▷ 106 108 110
2 ||| |?| NULL
  ▷ 106 108 109
3 |?|
  ▷ 106 107
```

111. Rfsm_comments_phrase.

```
1 , Rlint Rfsm_comments Rlint Rfsm_comments_string
  ▷ 29 31 32 33 34 39
2 |?|
  ▷ 29 30
```

112. Rfsm_comments.

```
1 ||| # fsm-comments NS_identifer::TH_identifer
  ▷ 32 113 115
2 ||| |?| NULL
  ▷ 32 113 114
3 |?|
  ▷ 32 112
```

113. Rfsm_comments_string.

```
1 ||| c-string NS_c_string::TH_c_string
  ▷ 34 36 38
2 ||| |?| NULL
  ▷ 34 36 37
3 |?|
  ▷ 34 35
```

114. Rlint.

1 ||| lint NS_lint_balls::TH_lint_balls

▷ 5 10 11

▷ 9^{↗10}

▷ 16^{↗10}

▷ 18^{↗10}

▷ 20^{↗10}

▷ 22^{↗10}

▷ 24^{↗10}

▷ 26^{↗10}

▷ 28^{↗10}

▷ 31^{↗10}

▷ 33^{↗10}

▷ 40^{↗10}

▷ 46^{↗10}

▷ 54^{↗10}

▷ 56^{↗10}

▷ 64^{↗10}

▷ 66^{↗10}

▷ 74^{↗10}

▷ 76^{↗10}

▷ 83^{↗10}

▷ 85^{↗10}

▷ 93^{↗10}

▷ 95^{↗10}

▷ 103^{↗10}

▷ 105^{↗10}

2 €

▷ 5

▷ 9

▷ 16

▷ 18

▷ 20

▷ 22

▷ 24

▷ 26

▷ 28

▷ 31

▷ 33

▷ 40

▷ 46

▷ 54

▷ 56

▷ 64

▷ 66

▷ 74

▷ 76

▷ 83

▷ 85

▷ 93

▷ 95

▷ 103

▷ 105

115. Rlint_epi.

1 ||| lint NS_lint_balls::TH_lint_balls

▷ 1 2 3

2 ϵ

▷ 1

116. List of reducing states.

The following legend indicates the type of reducing state.

Points 2–4 are states that must meet the $lr(1)$ condition:

- 1) r — only 1 production reducing
- 2) r^2 — 2 or more reducing productions
- 3) s/r — shift and 1 reducing production
- 4) s/r^2 — shift and multiple reducing productions

$\subset 1^{s/r} 3^r 5^{s/r} 7^r 8^r 9^{s/r} 11^r 12^r 13^r 14^r 16^{s/r} 18^{s/r} 20^{s/r} 22^{s/r} 24^{s/r} 26^{s/r} 28^{s/r}$
 $30^r 31^{s/r} 33^{s/r} 35^r 37^r 38^r 39^r 40^{s/r} 41^r 42^r 44^r 45^r 46^{s/r} 48^r 50^r 51^r 52^r 53^r$
 $54^{s/r} 56^{s/r} 58^r 60^r 61^r 62^r 63^r 64^{s/r} 66^{s/r} 68^r 70^r 71^r 72^r 73^r 74^{s/r} 76^{s/r} 79^r$
 $80^r 81^r 82^r 83^{s/r} 85^{s/r} 87^r 89^r 90^r 91^r 92^r 93^{s/r} 95^{s/r} 97^r 99^r 100^r 101^r 102^r$
 $103^{s/r} 105^{s/r} 107^r 109^r 110^r 111^r 112^r 114^r 115^r 116^r 118^r 119^r 120^r 122^r 123^r$
 $124^r 126^r 127^r 128^r 130^r 131^r 132^r 134^r 135^r 136^r 138^r 139^r$

117. Lr1 State's Follow sets and reducing lookahead sets.

Notes on Follow set expressions:

1) The “follow set” for rule uses its literal name and tags its grammar rule rank number as a superscript. Due to space limitations, part of the follow set information uses the rule's literal name while the follow set expressions refers to the rule's rank number. This $\langle \text{rule name, rule rank number} \rangle$ tuple allows you the reader to decipher the expressions. Transitions are represented by S_xR_z whereby S is the LR1 state identified by its “x” subscript where other transient calculations occur within the LR1 state network. R indicates the follow set rule with the subscript “z” as its grammar rank number that contributes to the follow set.

The \nearrow^x symbol indicates that a merge into state “x” has taken place. That is, the reduced subrule that depends on this follow set finds its follow set in 2 places: its birthing state that generated the sequence up to the merged into state, and the birthing state that generated the “merged into” state. So the rule's “follow set” calculation must also continue its calculation within the birth state generating the “x merged into” state.

```

State: 1      Follow Set contributors, merges, and transitions
← Follow set Rule → ←          follow set symbols contributors      →
Rfsm_phrase1
Local follow set yield:
  eolr.
← Follow set Rule → ←          follow set symbols contributors      →
Rlint.epi30          R1.1.1
Local follow set yield:
  |?|, (.

State: 4      Follow Set contributors, merges, and transitions
← Follow set Rule → ←          follow set symbols contributors      →
Ropen_par2          R1.1.2
Local follow set yield:
  |?|, |||.

State: 5      Follow Set contributors, merges, and transitions
← Follow set Rule → ←          follow set symbols contributors      →
Rparameters4          R1.1.3
Local follow set yield:
  |?|, ).
← Follow set Rule → ←          follow set symbols contributors      →
Rlint29          R4.1.1
Local follow set yield:
  |?|, |||.

State: 6      Follow Set contributors, merges, and transitions
← Follow set Rule → ←          follow set symbols contributors      →
Rclose_par3          R1.1.4 R1.1.5 S1R1
Local follow set yield:
  |||.

State: 9      Follow Set contributors, merges, and transitions
← Follow set Rule → ←          follow set symbols contributors      →
Rlint29          R1.1.5  $\nearrow^{105}$   $\nearrow^{103}$   $\nearrow^{95}$   $\nearrow^{93}$   $\nearrow^{85}$   $\nearrow^{83}$   $\nearrow^{76}$   $\nearrow^{74}$   $\nearrow^{66}$   $\nearrow^{64}$ 
                    $\nearrow^{56}$   $\nearrow^{54}$   $\nearrow^{46}$   $\nearrow^{33}$   $\nearrow^{31}$   $\nearrow^{28}$   $\nearrow^{26}$   $\nearrow^{24}$   $\nearrow^{22}$   $\nearrow^{20}$ 

```

$$\nearrow^{18} \nearrow^{16} \nearrow^{40} \nearrow^5 S_1 R_1$$

Local follow set yield:

State: 15 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rfsm_id_phrase⁵ R_{4.1.2} R_{4.1.3}

Local follow set yield:

|?|, |||, ,.

← Follow set Rule → ← follow set symbols contributors →
 Rfsm_id⁶ R_{5.1.1} R_{5.1.2}

Local follow set yield:

|?|, |||.

State: 16 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.3}

Local follow set yield:

|?|, ,.

State: 17 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rfsm_filename_phrase⁸ R_{4.1.4} R_{4.1.5}

Local follow set yield:

|?|, |||, ,.

State: 18 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.5}

Local follow set yield:

|?|, ,.

State: 19 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rfsm_namespace_phrase¹¹ R_{4.1.6} R_{4.1.7}

Local follow set yield:

|?|, |||, ,.

State: 20 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.7}

Local follow set yield:

|?|, ,.

State: 21 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rfsm_class_phrase¹⁴ R_{4.1.8} R_{4.1.9}

Local follow set yield:

|?|, |||, ,.

State: 22 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rlint²⁹ R_{4.1.9}
 Local follow set yield:
 |?|, ,,

State: 23 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm_version_phrase¹⁷ R_{4.1.10} R_{4.1.11}
 Local follow set yield:
 |?|, |||, ,,

State: 24 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.11}
 Local follow set yield:
 |?|, ,,

State: 25 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm_date_phrase²⁰ R_{4.1.12} R_{4.1.13}
 Local follow set yield:
 |?|, |||, ,,

State: 26 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.13}
 Local follow set yield:
 |?|, ,,

State: 27 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm_debug_phrase²³ R_{4.1.14} R_{4.1.15}
 Local follow set yield:
 |?|, |||, ,,

State: 28 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.15}
 Local follow set yield:
 |?|, ,,

State: 29 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm_comments_phrase²⁶ R_{4.1.16} R_{4.1.17} S₅R₄
 Local follow set yield:
 |||.

State: 31 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{26.1.2}
 Local follow set yield:
 |?|, |||.

State: 32 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.comments²⁷ R_{26.1.3} R_{26.1.4}
 Local follow set yield:
 |?|, |||.

State: 33 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{26.1.4}
 Local follow set yield:
 |?|, |||.

State: 34 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.comments_string²⁸ R_{26.1.5} S₂₉R₂₆
 Local follow set yield:

State: 40 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{4.1.17} S₅R₄
 Local follow set yield:

State: 46 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{5.1.2}
 Local follow set yield:
 |?|, |||.

State: 47 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.id_name⁷ R_{5.1.3} S₁₅R₅
 Local follow set yield:

State: 54 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{8.1.2}
 Local follow set yield:
 |?|, |||.

State: 55 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.filename⁹ R_{8.1.3} R_{8.1.4}
 Local follow set yield:
 |?|, |||.

State: 56 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{8.1.4}

Local follow set yield:

|?|, |||.

State: 57 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rfsm.filename_name¹⁰ R_{8.1.5} S₁₇R₈

Local follow set yield:

State: 64 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rlint²⁹ R_{11.1.2}

Local follow set yield:

|?|, |||.

State: 65 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rfsm.namespace¹² R_{11.1.3} R_{11.1.4}

Local follow set yield:

|?|, |||.

State: 66 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rlint²⁹ R_{11.1.4}

Local follow set yield:

|?|, |||.

State: 67 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rfsm.namespace_name¹³ R_{11.1.5} S₁₉R₁₁

Local follow set yield:

State: 74 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rlint²⁹ R_{14.1.2}

Local follow set yield:

|?|, |||.

State: 75 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rfsm.class¹⁵ R_{14.1.3} R_{14.1.4}

Local follow set yield:

|||.

State: 76 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →

Rlint²⁹ R_{14.1.4}

Local follow set yield:

|||.

State: 77 Follow Set contributors, merges, and transitions

← Follow set Rule → ← follow set symbols contributors →
 Rfsm.class_name¹⁶ R_{14·1·5} S₂₁R₁₄
 Local follow set yield:

State: 83 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{17·1·2}
 Local follow set yield:
 |?|, |||.

State: 84 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.version¹⁸ R_{17·1·3} R_{17·1·4}
 Local follow set yield:
 |?|, |||.

State: 85 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{17·1·4}
 Local follow set yield:
 |?|, |||.

State: 86 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.version_string¹⁹ R_{17·1·5} S₂₃R₁₇
 Local follow set yield:

State: 93 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{20·1·2}
 Local follow set yield:
 |?|, |||.

State: 94 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.date²¹ R_{20·1·3} R_{20·1·4}
 Local follow set yield:
 |?|, |||.

State: 95 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rlint²⁹ R_{20·1·4}
 Local follow set yield:
 |?|, |||.

State: 96 Follow Set contributors, merges, and transitions
 ← Follow set Rule → ← follow set symbols contributors →
 Rfsm.date_string²² R_{20·1·5} S₂₅R₂₀
 Local follow set yield:

State: 103 Follow Set contributors, merges, and transitions
 \leftarrow Follow set Rule $\rightarrow \leftarrow$ follow set symbols contributors \rightarrow
 R_{lint}^{29} $R_{23 \cdot 1 \cdot 2}$
 Local follow set yield:
 |?|, |11|.

State: 104 Follow Set contributors, merges, and transitions
 \leftarrow Follow set Rule $\rightarrow \leftarrow$ follow set symbols contributors \rightarrow
 $R_{\text{fsm.debug}}^{24}$ $R_{23 \cdot 1 \cdot 3}$ $R_{23 \cdot 1 \cdot 4}$
 Local follow set yield:
 |?|, |11|.

State: 105 Follow Set contributors, merges, and transitions
 \leftarrow Follow set Rule $\rightarrow \leftarrow$ follow set symbols contributors \rightarrow
 R_{lint}^{29} $R_{23 \cdot 1 \cdot 4}$
 Local follow set yield:
 |?|, |11|.

State: 106 Follow Set contributors, merges, and transitions
 \leftarrow Follow set Rule $\rightarrow \leftarrow$ follow set symbols contributors \rightarrow
 $R_{\text{fsm.debug.string}}^{25}$ $R_{23 \cdot 1 \cdot 5}$ $S_{27} R_{23}$
 Local follow set yield:

118. **Common Follow sets.**

119. **LA set: 1.**

|?**|**, (.

120. **LA set: 2.**

|?**|**, |r|.

121. **LA set: 3.**

eolr.

122. **LA set: 4.**

|?**|**, ,.

123. **LA set: 5.**

|?**|**, |r|,).

124. **LA set: 6.**

|?**|**,).

125. **LA set: 7.**

|?**|**, |r|, ,.

126. **LA set: 8.**

|r|.

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