

**1. Copyright.**

Copyright © Dave Bone 1998 - 2015

**2. *linker\_pass3* grammar.**

Quasi lexical / syntatic Phase for Yacco2's first set linker.

Sample of a grammar's First set control file:

```

/*
  File: subrule_def.fsc
  Date and Time: Fri Dec 7 16:28:47 2007
*/
transitive y
grammar-name "subrule_def"
name-space "NS_subrule_def"
thread-name "TH_subrule_def"
monolithic n
file-name "subrule_def.fsc"
no-of-T 567
list-of-native-first-set-terminals 0
end-list-of-native-first-set-terminals
list-of-transitive-threads 1
  NS_subrule_vector::TH_subrule_vector
end-list-of-transitive-threads
list-of-used-threads 10
  NS_cweb_marker::TH_cweb_marker
  NS_dbl_colon::TH_dbl_colon
  NS_identifier::TH_identifier
  NS_lint_balls::TH_lint_balls
  NS_o2_sdc::TH_o2_sdc
  NS_parallel_oper::TH_parallel_oper
  NS_rhs_bnd::TH_rhs_bnd
  NS_rhs_component::TH_rhs_component
  NS_rtn_component::TH_rtn_component
  NS_subrule_vector::TH_subrule_vector
end-list-of-used-threads
fsm-comments
"Parse a subrule: into the valley of sin..."

```

**3. Fsm Clinker\_pass3 class.****4. Clinker\_pass3 user-declaration directive.**

⟨Clinker\_pass3 user-declaration directive 4⟩ ≡

```

public: bool chk_filename(const char *Filename, CAbs_lr1_sym * Tok, CAbs_lr1_sym * Err);
  bool chk_ofilename(const char *Filename, CAbs_lr1_sym * Tok);
  yacco2::CAbs_lr1_sym * chk_for_overrun();
  std::string t_alphabet_filename_;
  std::string emitfile_filename_;
  T_syntax_code * preamble_srce_;
  std::vector < std::string > grammars_fsc_files_;
  std::vector < std::string > directories_;

```

### 5. Clinker\_pass3 user-implementation directive.

⟨Clinker\_pass3 user-implementation directive 5⟩ ≡

```

bool Clinker_pass3 :: chk_ofilename(const char *Filename, CAbs_lr1_sym * Tok)
{
    std :: ofstream fle_chk;
    fle_chk.open(Filename, ios :: out);
    if (¬fle_chk.good()) {
        CAbs_lr1_sym * sym = new Err_bad_filename(Filename);
        sym->set_rc(*Tok, __FILE__, __LINE__);
        parser->add_token_to_error_queue(*sym);
        parser->set_stop_parse(true);
        return false;
    }
    else {
        fle_chk.close();
    }
    return true;
}

bool Clinker_pass3 :: chk_filename(const char *Filename, CAbs_lr1_sym * Tok, CAbs_lr1_sym * Err)
{
    std :: ifstream fle_chk;
    fle_chk.open(Filename);
    if (¬fle_chk.good()) {
        Err->set_rc(*Tok, __FILE__, __LINE__);
        parser->add_token_to_error_queue(*Err);
        parser->set_stop_parse(true);
        return false;
    }
    else {
        delete Err;
        fle_chk.close();
    }
    return true;
}

yacco2 :: CAbs_lr1_sym * Clinker_pass3 :: chk_for_ouerrun()
{
    switch (parser->current_token()->enumerated_id_) {
    case T_Enum :: T_LR1_eog_: break;
    default: return 0;
    }
    yacco2 :: CAbs_lr1_sym * sym = new Err_end_preamble_kw_not_present;
    sym->set_rc(*parser->start_token_, __FILE__, __LINE__);
    parser->set_use_all_shift_off();
    return sym;
}

```

**6. Clinker\_pass3 user-prefix-declaration directive.**

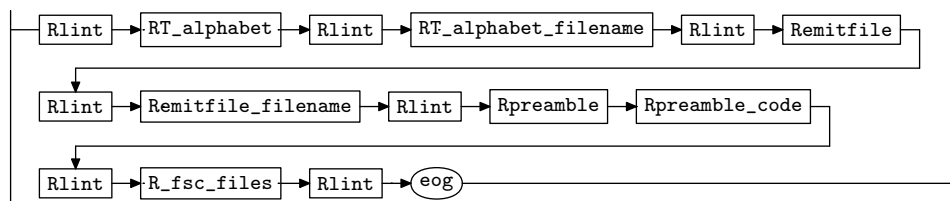
```

⟨Clinker_pass3 user-prefix-declaration directive 6⟩ ≡
#include "linker_id.h"
#include "linker_preamble_code.h"
#include "lint_balls.h"
#include "c_string.h"
#include "angled_string.h"
#include "c_literal.h"
#include "bad_char_set.h"
using namespace NS_yacco2_terminals;

```

**7. Rlinker\_pass3 rule.**

Rlinker\_pass3

**8. Rlinker\_pass3 op directive.**

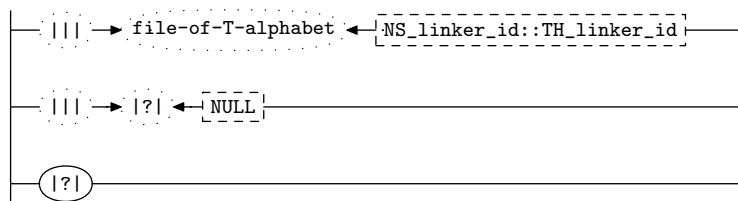
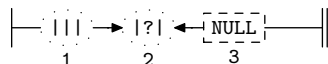
```

⟨Rlinker_pass3 op directive 8⟩ ≡
using namespace NS_yacco2_k_symbols;
ADD_TOKEN_TO_PRODUCER_QUEUE(*yacco2 :: PTR_LR1_eog_);
ADD_TOKEN_TO_PRODUCER_QUEUE(*yacco2 :: PTR_LR1_eog_);

```

**9. RT\_alphabet rule.**

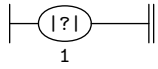
RT\_alphabet

**10. RT\_alphabet's subrule 2.**

```

⟨RT_alphabet subrule 2 op directive 10⟩ ≡
CAbs_lr1_sym * sym = new Err_file_of_T_alphabet_kw_not_present;
sym->set_rc(*sf-p2--, __FILE__, __LINE__);
ADD_TOKEN_TO_ERROR_QUEUE(*sym);
rule_info__parser__->set_stop_parse(true);
sf-p2__->set_auto_delete(true);

```

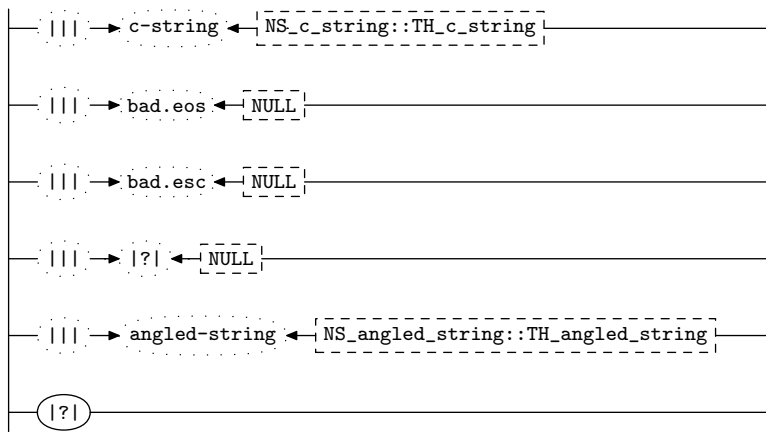
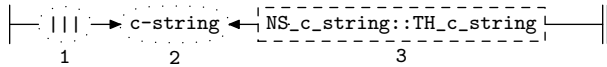
11. *RT\_alphabet*'s subrule 3.

⟨RT\_alphabet subrule 3 op directive 11⟩ ≡

```
CAbs_lr1_sym * sym = new Err_file_of_T_alphabet_kw_not_present;
sym->set_rc(*rule_info_.parser->current_token(), __FILE__, __LINE__);
ADD_TOKEN_TO_ERROR_QUEUE(*sym);
rule_info_.parser->set_stop_parse(true);
```

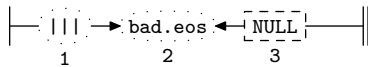
12. *RT\_alphabet\_filename* rule.

RT\_alphabet\_filename

13. *RT\_alphabet\_filename*'s subrule 1.

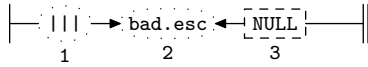
⟨RT\_alphabet\_filename subrule 1 op directive 13⟩ ≡

```
Clinker_pass3 * fsm = ( Clinker_pass3 * ) rule_info_.parser->fsm_tbl_;
const char *fn = sf->p2->c_string()->c_str();
if (fsm->chk_filename(fn, sf->p2_, new Err_T_alphabet_file_does_not_exist) ≡ false) return;
fsm->t_alphabet_filename_ += fn;
sf->p2->set_auto_delete(true);
```

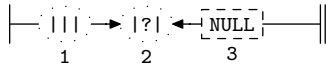
14. *RT\_alphabet\_filename*'s subrule 2.

⟨RT\_alphabet\_filename subrule 2 op directive 14⟩ ≡

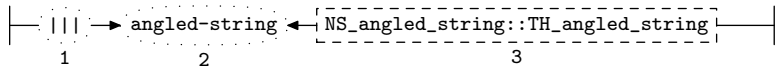
```
ADD_TOKEN_TO_ERROR_QUEUE(*sf->p2_);
rule_info_.parser->set_stop_parse(true);
```

15. *RT\_alphabet\_filename*'s subrule 3.

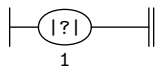
⟨RT\_alphabet\_filename subrule 3 op directive 15⟩ ≡  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sf→p2\_\_);  
 rule\_info→parser→set\_stop\_parse(true);

16. *RT\_alphabet\_filename*'s subrule 4.

⟨RT\_alphabet\_filename subrule 4 op directive 16⟩ ≡  
 CAbs\_lr1\_sym \* sym = new Err\_no\_filename\_present;  
 sym→set\_rc(\*sf→p2\_\_, \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info→parser→set\_stop\_parse(true);  
 sf→p2→set\_auto\_delete(true);

17. *RT\_alphabet\_filename*'s subrule 5.

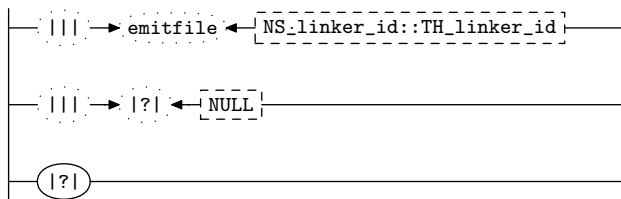
⟨RT\_alphabet\_filename subrule 5 op directive 17⟩ ≡  
 Clinker\_pass3 \* fsm = ( Clinker\_pass3 \* ) rule\_info→parser→fsm\_tbl→;  
 const char \*fn = sf→p2→angled\_string()→c\_str();  
 if (fsm→chk\_filename(fn, sf→p2\_\_, new Err\_T\_alphabet\_file\_does\_not\_exist) ≡ false) return;  
 fsm→t\_alphabet\_filename\_ += fn;  
 sf→p2→set\_auto\_delete(true);

18. *RT\_alphabet\_filename*'s subrule 6.

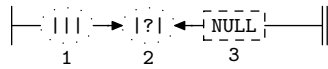
⟨RT\_alphabet\_filename subrule 6 op directive 18⟩ ≡  
 CAbs\_lr1\_sym \* sym = new Err\_T\_alphabet\_file\_not\_present;  
 sym→set\_rc(\*rule\_info→parser→current\_token(), \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info→parser→set\_stop\_parse(true);

19. *Remitfile* rule.

Remitfile



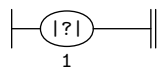
20. *Remitfile's subrule 2.*



```

<Remitfile subrule 2 op directive 20> ≡
  CAbs_lr1_sym * sym = new Err_emitfile_kw_not_present;
  sym->set_rc(*sf->p2--, __FILE__, __LINE__);
  ADD_TOKEN_TO_ERROR_QUEUE(*sym);
  rule_info...parser--set_stop_parse(true);
  sf->p2--set_auto_delete(true);
  
```

21. *Remitfile's subrule 3.*

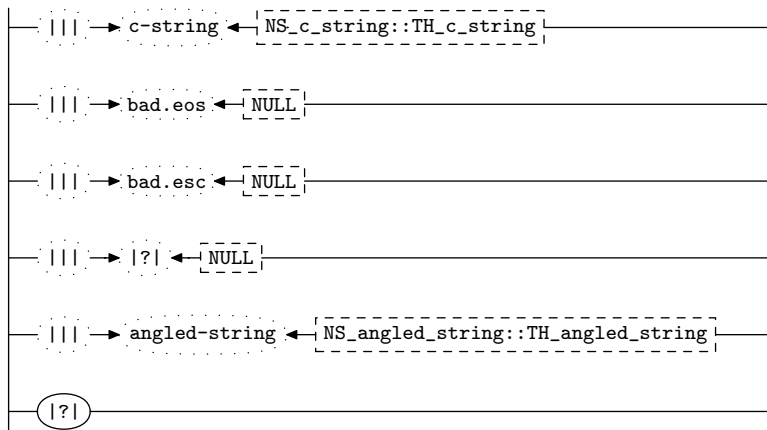


```

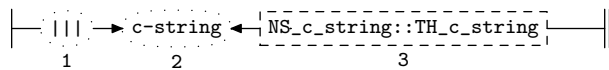
<Remitfile subrule 3 op directive 21> ≡
  CAbs_lr1_sym * sym = new Err_emitfile_kw_not_present;
  sym->set_rc(*rule_info...parser--current_token(), __FILE__, __LINE__);
  ADD_TOKEN_TO_ERROR_QUEUE(*sym);
  rule_info...parser--set_stop_parse(true);
  
```

22. *Remitfile\_filename rule.*

Remitfile\_filename

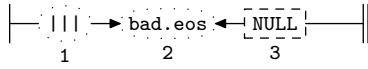


23. *Remitfile\_filename's subrule 1.*

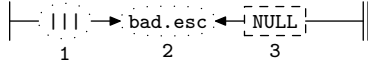


```

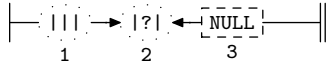
<Remitfile_filename subrule 1 op directive 23> ≡
  Clinker_pass3 * fsm = ( Clinker_pass3 * ) rule_info...parser--fsm_tbl--;
  const char *fn = sf->p2-->c_string()->c_str();
  if (fsm->chk_ofilename(fn, sf->p2--) ≡ false) return;
  fsm->emitfile_filename_ += fn;
  sf->p2--set_auto_delete(true);
  
```

24. *Remitfile\_filename*'s subrule 2.

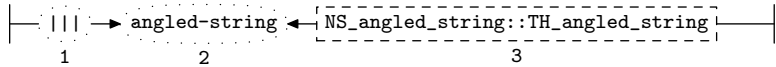
⟨*Remitfile\_filename* subrule 2 op directive 24⟩ ≡  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sf→p2\_\_);  
 rule\_info→parser→set\_stop\_parse(true);

25. *Remitfile\_filename*'s subrule 3.

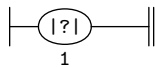
⟨*Remitfile\_filename* subrule 3 op directive 25⟩ ≡  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sf→p2\_\_);  
 rule\_info→parser→set\_stop\_parse(true);

26. *Remitfile\_filename*'s subrule 4.

⟨*Remitfile\_filename* subrule 4 op directive 26⟩ ≡  
 CAbs\_lr1\_sym \* sym = new Err\_emitfile\_file\_not\_present;  
 sym→set\_rc(\*sf→p2\_\_, \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info→parser→set\_stop\_parse(true);  
 sf→p2→set\_auto\_delete(true);

27. *Remitfile\_filename*'s subrule 5.

⟨*Remitfile\_filename* subrule 5 op directive 27⟩ ≡  
 Clinker\_pass3 \* fsm = ( Clinker\_pass3 \* ) rule\_info→parser→fsm\_tbl→;  
 const char \*fn = sf→p2→angled\_string()→c\_str();  
 if (fsm→chk\_ofilename(fn, sf→p2) ≡ false) return;  
 fsm→emitfile\_filename\_ += fn;  
 sf→p2→set\_auto\_delete(true);

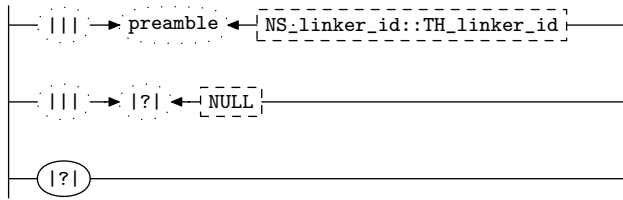
28. *Remitfile\_filename*'s subrule 6.

⟨*Remitfile\_filename* subrule 6 op directive 28⟩ ≡  
 CAbs\_lr1\_sym \* sym = new Err\_emitfile\_file\_not\_present;  
 sym→set\_rc(\*rule\_info→parser→current\_token(), \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info→parser→set\_stop\_parse(true);

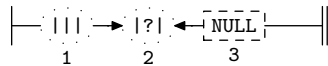


**29. Rpreamble rule.**

Rpreamble



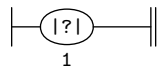
**30. Rpreamble's subrule 2.**



```

⟨Rpreamble subrule 2 op directive 30⟩ ≡
  CAbs_lr1_sym * sym = new Err_preamble_kw_not_present;
  sym->set_rc(*sf-p2--, __FILE__, __LINE__);
  ADD_TOKEN_TO_ERROR_QUEUE(*sym);
  rule_info...parser--set_stop_parse(true);
  sf-p2--set_auto_delete(true);
  
```

**31. Rpreamble's subrule 3.**

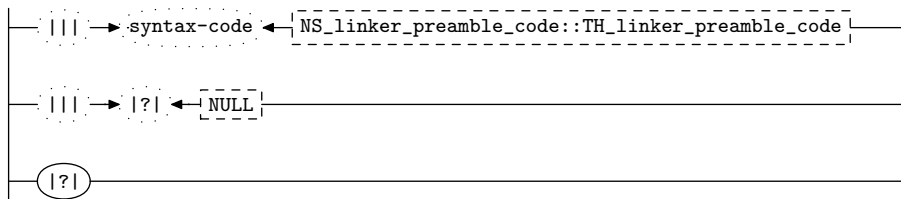


```

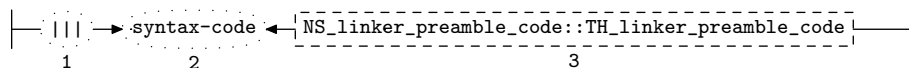
⟨Rpreamble subrule 3 op directive 31⟩ ≡
  CAbs_lr1_sym * sym = new Err_preamble_kw_not_present;
  sym->set_rc(*rule_info...parser--current_token(), __FILE__, __LINE__);
  ADD_TOKEN_TO_ERROR_QUEUE(*sym);
  rule_info...parser--set_stop_parse(true);
  
```

**32. Rpreamble\_code rule.**

Rpreamble\_code



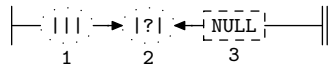
**33. Rpreamble\_code's subrule 1.**



```

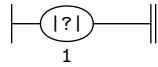
⟨Rpreamble_code subrule 1 op directive 33⟩ ≡
  Clinker_pass3 * fsm = ( Clinker_pass3 * ) rule_info...parser--fsm_tbl--;
  fsm->preamble_srce_ = sf-p2--;
  
```

**34. Rpreamble\_code's subrule 2.**



$\langle$  Rpreamble\_code subrule 2 op directive 34  $\rangle \equiv$   
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sf~p2~);  
 rule\_info...parser--set\_stop\_parse(true);

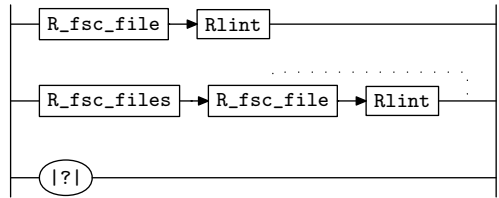
**35. Rpreamble\_code's subrule 3.**



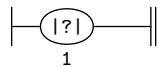
$\langle$  Rpreamble\_code subrule 3 op directive 35  $\rangle \equiv$   
 CAbs\_lr1\_sym \* sym = new Err\_preamble\_srce\_code\_not\_present;  
 sym~set\_rc(\*rule\_info...parser--current\_token(), \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info...parser--set\_stop\_parse(true);

**36. R\_fsc\_files rule.**

R\_fsc\_files



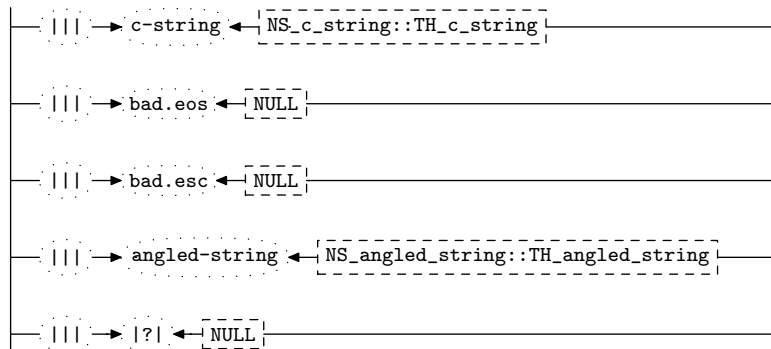
**37. R\_fsc\_files's subrule 3.**

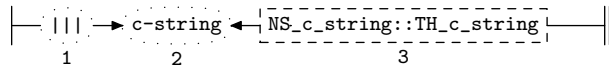


$\langle$  R\_fsc\_files subrule 3 op directive 37  $\rangle \equiv$   
 CAbs\_lr1\_sym \* sym = new Err\_fsc\_cntl\_file\_not\_present;  
 sym~set\_rc(\*rule\_info...parser--current\_token(), \_\_FILE\_\_, \_\_LINE\_\_);  
 ADD\_TOKEN\_TO\_ERROR\_QUEUE(\*sym);  
 rule\_info...parser--set\_stop\_parse(true);

**38. R\_fsc\_file rule.**

R\_fsc\_file

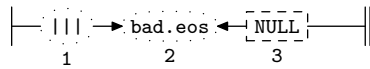


39. *R\_fsc\_file*'s subrule 1.

```

⟨ R_fsc_file subrule 1 op directive 39 ⟩ ≡
  Clinker_pass3 * fsm = ( Clinker_pass3 * ) rule_info...parser--fsm_tbl--;
  const char *fn = sf-p2--c_string()-c_str();
  if (fsm-chk_filename(fn, sf-p2--, new Err_fsc_file_does_not_exist) ≡ false) return;
  fsm-grammars_fsc_files-.push_back(string(fn));
  sf-p2--set_auto_delete(true);

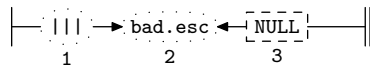
```

40. *R\_fsc\_file*'s subrule 2.

```

⟨ R_fsc_file subrule 2 op directive 40 ⟩ ≡
  ADD_TOKEN_TO_ERROR_QUEUE(*sf-p2--);
  rule_info...parser--set_stop_parse(true);

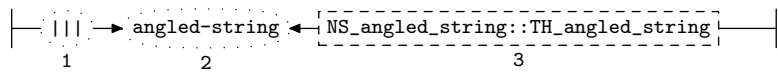
```

41. *R\_fsc\_file*'s subrule 3.

```

⟨ R_fsc_file subrule 3 op directive 41 ⟩ ≡
  ADD_TOKEN_TO_ERROR_QUEUE(*sf-p2--);
  rule_info...parser--set_stop_parse(true);

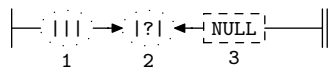
```

42. *R\_fsc\_file*'s subrule 4.

```

⟨ R_fsc_file subrule 4 op directive 42 ⟩ ≡
  Clinker_pass3 * fsm = ( Clinker_pass3 * ) rule_info...parser--fsm_tbl--;
  const char *fn = sf-p2--angled_string()-c_str();
  if (fsm-chk_filename(fn, sf-p2--, new Err_fsc_file_does_not_exist) ≡ false) return;
  fsm-grammars_fsc_files-.push_back(string(fn));
  sf-p2--set_auto_delete(true);

```

43. *R\_fsc\_file*'s subrule 5.

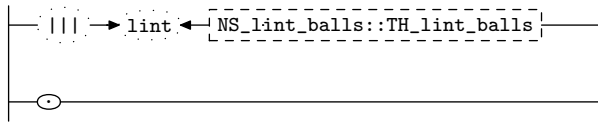
```

⟨ R_fsc_file subrule 5 op directive 43 ⟩ ≡
  ADD_TOKEN_TO_ERROR_QUEUE(*sf-p2--);
  rule_info...parser--set_stop_parse(true);

```

44. *Rlint* rule.

Rlint



**45. First Set Language for  $O_2^{linker}$ .**

```
/*
  File: linker_pass3.fsc
  Date and Time: Fri Jan  2 15:33:41 2015
*/
transitive      y
grammar-name    "linker_pass3"
name-space      "NS_linker_pass3"
thread-name     "Clinker_pass3"
monolithic      y
file-name       "linker_pass3.fsc"
no-of-T         569
list-of-native-first-set-terminals 1
  LR1_questionable_shift_operator
end-list-of-native-first-set-terminals
list-of-transitive-threads 2
  NS_lint_balls::TH_lint_balls
  NS_linker_id::TH_linker_id
end-list-of-transitive-threads
list-of-used-threads 5
  NS_angled_string::TH_angled_string
  NS_c_string::TH_c_string
  NS_linker_id::TH_linker_id
  NS_linker_preamble_code::TH_linker_preamble_code
  NS_lint_balls::TH_lint_balls
end-list-of-used-threads
fsm-comments
"Lexer: constructing tokens for \\olinker parsing stage."
```

## 46. Lr1 State Network.

$\Rightarrow$					State: 1 state type: $s/r$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	Rlint		10 2 1	$\epsilon$			1 0 1 1	
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			1 2 3	
c	Rlinker_pass3		1 1 1	Rlint <u>RT_alphabet</u>			1 4 24	
$\Rightarrow$	arbitration-code: $\epsilon$				State: 2 state type: $s$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
t	Rlint		10 1 2	lint			1 3 3	
$\Rightarrow$	lint				State: 3 state type: $r$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
t	Rlint		10 1 3				1 0 3 1	
$\Rightarrow$	Rlint				State: 4 state type: $s$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	RT_alphabet		2 3 1	?			4 25 25	
c	RT_alphabet		2 1 1	file-of-T-alphabet NS_linker_id::TH_linker_id			4 26 28	
c	RT_alphabet		2 2 1	?  NULL			4 26 27	
t	Rlinker_pass3		1 1 2	RT_alphabet <u>Rlint<math>^{\epsilon}</math> RT_alphabet_filename</u>			1 5 24	
$\Rightarrow$	RT_alphabet				State: 5 state type: $s/r$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	Rlint		10 2 1	$\epsilon$			5 0 5 2	
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			5 2 3	
t	Rlinker_pass3		1 1 3	Rlint <u>RT_alphabet_filename</u>			1 6 24	
$\Rightarrow$	Rlint				State: 6 state type: $s$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	RT_alphabet_filename		3 6 1	?			6 29 29	
c	RT_alphabet_filename		3 1 1	c-string NS_c_string::TH_c_string			6 30 33	
c	RT_alphabet_filename		3 2 1	bad eos NULL			6 30 34	
c	RT_alphabet_filename		3 3 1	bad esc NULL			6 30 35	
c	RT_alphabet_filename		3 4 1	?  NULL			6 30 31	
c	RT_alphabet_filename		3 5 1	angled-string NS_angled_string::TH_angled_string			6 30 32	
t	Rlinker_pass3		1 1 4	RT_alphabet_filename <u>Rlint<math>^{\epsilon}</math> Remitfile</u>			1 7 24	
$\Rightarrow$	RT_alphabet_filename				State: 7 state type: $s/r$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	Rlint		10 2 1	$\epsilon$			7 0 7 2	
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			7 2 3	
t	Rlinker_pass3		1 1 5	Rlint <u>Remitfile</u>			1 8 24	
$\Rightarrow$	Rlint				State: 8 state type: $s$			
$\leftarrow$	rule	$\rightarrow$	R# sr# Po	$\leftarrow$	subrule element	$\rightarrow$	Brn Gto Red LA	
c	Remitfile		4 3 1	?			8 36 36	
c	Remitfile		4 1 1	emitfile NS_linker_id::TH_linker_id			8 37 39	
c	Remitfile		4 2 1	?  NULL			8 37 38	
t	Rlinker_pass3		1 1 6	Remitfile <u>Rlint<math>^{\epsilon}</math> Remitfile_filename</u>			1 9 24	

$\Rightarrow$ <i>Remitfile</i>				State: 9 state type: <i>s/r</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Rlint		10 2 1	$\epsilon$			9 0 9 2
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			9 2 3
t	Rlinker_pass3		1 1 7	Rlint <u>Remitfile_filename</u>			1 10 24
$\Rightarrow$ <i>Rlint</i>				State: 10 state type: <i>s</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Remitfile_filename		5 6 1	?			10 40 40
c	Remitfile_filename		5 2 1	bad eos NULL			10 41 45
c	Remitfile_filename		5 1 1	c-string NS_c_string::TH_c_string			10 41 44
c	Remitfile_filename		5 3 1	bad esc NULL			10 41 46
c	Remitfile_filename		5 4 1	?  NULL			10 41 42
c	Remitfile_filename		5 5 1	angled-string NS_angled_string::TH_angled_string			10 41 43
t	Rlinker_pass3		1 1 8	Remitfile_filename <u>Rlint<sup><math>\epsilon</math></sup> Rpreamble</u>			1 11 24
$\Rightarrow$ <i>Remitfile_filename</i>				State: 11 state type: <i>s/r</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Rlint		10 2 1	$\epsilon$			11 0 11 2
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			11 2 3
t	Rlinker_pass3		1 1 9	Rlint <u>Rpreamble</u>			1 12 24
$\Rightarrow$ <i>Rlint</i>				State: 12 state type: <i>s</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Rpreamble		6 3 1	?			12 47 47
c	Rpreamble		6 1 1	preamble NS_linker_id::TH_linker_id			12 48 50
c	Rpreamble		6 2 1	?  NULL			12 48 49
t	Rlinker_pass3		1 1 10	Rpreamble <u>Rpreamble_code</u>			1 13 24
$\Rightarrow$ <i>Rpreamble</i>				State: 13 state type: <i>s</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Rpreamble_code		7 3 1	?			13 51 51
c	Rpreamble_code		7 1 1	syntax-code NS_linker_preamble_code::TH_linker_preamble_code			13 52 54
c	Rpreamble_code		7 2 1	?  NULL			13 52 53
t	Rlinker_pass3		1 1 11	Rpreamble_code <u>Rlint<sup><math>\epsilon</math></sup> R_fsc_files</u>			1 14 24
$\Rightarrow$ <i>Rpreamble_code</i>				State: 14 state type: <i>s/r</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	Rlint		10 2 1	$\epsilon$			14 0 14 2
c	Rlint		10 1 1	lint NS_lint_balls::TH_lint_balls			14 2 3
t	Rlinker_pass3		1 1 12	Rlint <u>R_fsc_files</u>			1 15 24
$\Rightarrow$ <i>Rlint</i>				State: 15 state type: <i>s</i>			
$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
c	R_fsc_files		8 3 1	?			15 55 55
c	R_fsc_file		9 2 1	bad eos NULL			15 56 21
c	R_fsc_file		9 4 1	angled-string NS_angled_string::TH_angled_string			15 56 19
c	R_fsc_file		9 1 1	c-string NS_c_string::TH_c_string			15 56 20
c	R_fsc_file		9 3 1	bad esc NULL			15 56 22
c	R_fsc_file		9 5 1	?  NULL			15 56 18
t	Rlinker_pass3		1 1 13	R_fsc_files <u>Rlint<sup><math>\epsilon</math></sup> eog</u>			1 16 24

c	R_fsc_files	8	2	1	R_fsc_files	<u>R_fsc_file</u>	15	16	58
c	R_fsc_files	8	1	1	R_fsc_file	<u>Rlint<sup>ε</sup></u>	15	59	60
⇒ <i>R_fsc_files</i> State: 16 state type: <i>s/r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
c	Rlint		10	2	1	←	ε		16 0 16 3
c	R_fsc_file		9	2	1	←	bad eos NULL		16 17 21
c	R_fsc_file		9	4	1	←	angled-string NS_angled_string::TH_angled_string		16 17 19
c	Rlint		10	1	1	←	lint NS_lint_balls::TH_lint_balls		16 17 3
c	R_fsc_file		9	1	1	←	c-string NS_c_string::TH_c_string		16 17 20
c	R_fsc_file		9	3	1	←	bad esc NULL		16 17 22
c	R_fsc_file		9	5	1	←	?  NULL		16 17 18
t	R_fsc_files		8	2	2		R_fsc_file <u>Rlint<sup>ε</sup></u>		15 57 58
t	Rlinker_pass3		1	1	14		Rlint <u>eog</u>		1 23 24
⇒ <i>    arbitration-code: ε</i> State: 17 state type: <i>s</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	5	2	←	?		16 18 18
t	R_fsc_file		9	4	2	←	angled-string		16 19 19
t	R_fsc_file		9	1	2	←	c-string		16 20 20
t	Rlint		10	1	2	←	lint		16 3 3
t	R_fsc_file		9	2	2	←	bad eos		16 21 21
t	R_fsc_file		9	3	2	←	bad esc		16 22 22
⇒ <i> ? </i> State: 18 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	5	3	←			16 0 18 4
⇒ <i>angled-string</i> State: 19 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	4	3	←			16 0 19 4
⇒ <i>c-string</i> State: 20 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	1	3	←			16 0 20 4
⇒ <i>badeos</i> State: 21 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	2	3	←			16 0 21 4
⇒ <i>badesc</i> State: 22 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	R_fsc_file		9	3	3	←			16 0 22 4
⇒ <i>Rlint</i> State: 23 state type: <i>s</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	Rlinker_pass3		1	1	15	←	eog		1 24 24
⇒ <i>eog</i> State: 24 state type: <i>r</i>									
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn Gto Red LA
t	Rlinker_pass3		1	1	16	←			1 0 24 5



⇒ ?					State: 25 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet	2	3	2				4	0	25	2
⇒    <i>arbitration-code: ε</i>					State: 26 state type: <i>s</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet	2	2	2	?			4	27	27	
t RT_alphabet	2	1	2	file-of-T-alphabet			4	28	28	
⇒ ?					State: 27 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet	2	2	3				4	0	27	2
⇒ <i>file-of-T-alphabet</i>					State: 28 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet	2	1	3				4	0	28	2
⇒ ?					State: 29 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	6	2				6	0	29	2
⇒    <i>arbitration-code: ε</i>					State: 30 state type: <i>s</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	4	2	?			6	31	31	
t RT_alphabet_filename	3	5	2	angled-string			6	32	32	
t RT_alphabet_filename	3	1	2	c-string			6	33	33	
t RT_alphabet_filename	3	2	2	bad eos			6	34	34	
t RT_alphabet_filename	3	3	2	bad esc			6	35	35	
⇒ ?					State: 31 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	4	3				6	0	31	2
⇒ <i>angled-string</i>					State: 32 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	5	3				6	0	32	2
⇒ <i>c-string</i>					State: 33 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	1	3				6	0	33	2
⇒ <i>badeos</i>					State: 34 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	2	3				6	0	34	2
⇒ <i>badesc</i>					State: 35 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t RT_alphabet_filename	3	3	3				6	0	35	2
⇒ ?					State: 36 state type: <i>r</i>					
← rule	→ R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA

t Remitfile	4	3	2			8	0	36	2
$\Rightarrow$     <i>arbitration-code: <math>\epsilon</math></i>					State: 37 state type: <i>s</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile	4	2	2	?		8	38	38	
t Remitfile	4	1	2	emitfile		8	39	39	
$\Rightarrow$  ?					State: 38 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile	4	2	3			8	0	38	2
$\Rightarrow$ <i>emitfile</i>					State: 39 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile	4	1	3			8	0	39	2
$\Rightarrow$  ?					State: 40 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	6	2			10	0	40	2
$\Rightarrow$     <i>arbitration-code: <math>\epsilon</math></i>					State: 41 state type: <i>s</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	4	2	?		10	42	42	
t Remitfile.filename	5	5	2	angled-string		10	43	43	
t Remitfile.filename	5	1	2	c-string		10	44	44	
t Remitfile.filename	5	2	2	bad eos		10	45	45	
t Remitfile.filename	5	3	2	bad esc		10	46	46	
$\Rightarrow$  ?					State: 42 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	4	3			10	0	42	2
$\Rightarrow$ <i>angled-string</i>					State: 43 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	5	3			10	0	43	2
$\Rightarrow$ <i>c-string</i>					State: 44 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	1	3			10	0	44	2
$\Rightarrow$ <i>badeos</i>					State: 45 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	2	3			10	0	45	2
$\Rightarrow$ <i>badesc</i>					State: 46 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t Remitfile.filename	5	3	3			10	0	46	2
$\Rightarrow$  ?					State: 47 state type: <i>r</i>				
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red	LA
t R preamble	6	3	2			12	0	47	2
$\Rightarrow$     <i>arbitration-code: <math>\epsilon</math></i>					State: 48 state type: <i>s</i>				

← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble	6 2 2  ?		12 49 49
t R_preamble	6 1 2 preamble		12 50 50
⇒ ?  State: 49 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble	6 2 3		12 0 49 2
⇒preamble State: 50 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble	6 1 3		12 0 50 2
⇒ ?  State: 51 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble_code	7 3 2		13 0 51 2
⇒    arbitration-code: $\epsilon$ State: 52 state type: <i>s</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble_code	7 2 2  ?		13 53 53
t R_preamble_code	7 1 2 syntax-code		13 54 54
⇒ ?  State: 53 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble_code	7 2 3		13 0 53 2
⇒syntax-code State: 54 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_preamble_code	7 1 3		13 0 54 2
⇒ ?  State: 55 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_fsc_files	8 3 2		15 0 55 4
⇒    arbitration-code: $\epsilon$ State: 56 state type: <i>s</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_fsc_file	9 5 2  ?		15 18 18
t R_fsc_file	9 4 2 angled-string		15 19 19
t R_fsc_file	9 1 2 c-string		15 20 20
t R_fsc_file	9 2 2 bad eos		15 21 21
t R_fsc_file	9 3 2 bad esc		15 22 22
⇒R_fsc_file State: 57 state type: <i>s/r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
c Rlint	10 2 1 $\epsilon$		57 0 57 4
c Rlint	10 1 1     lint NS_lint_balls::TH_lint_balls		57 2 3
t R_fsc_files	8 2 3 Rlint		15 58 58
⇒Rlint State: 58 state type: <i>r</i>			
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA
t R_fsc_files	8 2 4		15 0 58 4
⇒R_fsc_file State: 59 state type: <i>s/r</i>			

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rlint		10	2	1		ε		59	0	59	4
c	Rlint		10	1	1		lint NS lint_balls::TH lint_balls		59	2	3	
t	R_fsc_files		8	1	2		Rlint		15	60	60	
⇒ <i>Rlint</i>												
							State: 60 state type: <i>r</i>					
←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	R_fsc_files		8	1	3				15	0	60	4

## 47. Index.

- $\epsilon$  : 44.
- ||| : 9, 12, 19, 22, 29, 32, 38, 44.
- |?| : 9, 12, 19, 22, 29, 32, 36, 38.
- \_\_FILE\_\_ : 5, 10, 11, 16, 18, 20, 21, 26, 28, 30, 31, 35, 37.
- \_\_LINE\_\_ : 5, 10, 11, 16, 18, 20, 21, 26, 28, 30, 31, 35, 37.
- add\_token\_to\_error\_queue* : 5.
- ADD\_TOKEN\_TO\_ERROR\_QUEUE : 10, 11, 14, 15, 16, 18, 20, 21, 24, 25, 26, 28, 30, 31, 34, 35, 37, 40, 41, 43.
- ADD\_TOKEN\_TO\_PRODUCER\_QUEUE : 8.
- angled-string : 12, 22, 38.
- angled\_string* : 17, 27, 42.
- bad eos : 12, 22, 38.
- bad esc : 12, 22, 38.
- c-string : 12, 22, 38.
- c\_str* : 13, 17, 23, 27, 39, 42.
- c\_string* : 13, 23, 39.
- CAbs\_lr1\_sym* : 4, 5, 10, 11, 16, 18, 20, 21, 26, 28, 30, 31, 35, 37.
- chk\_filename* : 4, 5, 13, 17, 39, 42.
- chk\_for\_overrun* : 4, 5.
- chk\_ofilename* : 4, 5, 23, 27.
- Clinker\_pass3* : 5, 13, 17, 23, 27, 33, 39, 42.
- close : 5.
- current\_token* : 5, 11, 18, 21, 28, 31, 35, 37.
- directories : 4.
- emitfile : 19.
- emitfile\_filename* : 4, 23, 27.
- enumerated\_id* : 5.
- eog : 7.
- Err : 4, 5.
- Err\_bad\_filename* : 5.
- Err\_emitfile\_file\_not\_present* : 26, 28.
- Err\_emitfile\_kw\_not\_present* : 20, 21.
- Err\_end\_preamble\_kw\_not\_present* : 5.
- Err\_file\_of\_T\_alphabet\_kw\_not\_present* : 10, 11.
- Err\_fsc\_cntl\_file\_not\_present* : 37.
- Err\_fsc\_file\_does\_not\_exist* : 39, 42.
- Err\_no\_filename\_present* : 16.
- Err\_preamble\_kw\_not\_present* : 30, 31.
- Err\_preamble\_srce\_code\_not\_present* : 35.
- Err\_T\_alphabet\_file\_does\_not\_exist* : 13, 17.
- Err\_T\_alphabet\_file\_not\_present* : 18.
- false : 5, 13, 17, 23, 27, 39, 42.
- file-of-T-alphabet : 9.
- Filename : 4, 5.
- fle\_chk* : 5.
- fn* : 13, 17, 23, 27, 39, 42.
- fsm* : 13, 17, 23, 27, 33, 39, 42.
- fsm\_tbl* : 13, 17, 23, 27, 33, 39, 42.
- good : 5.
- grammars\_fsc\_files* : 4, 39, 42.
- ifstream* : 5.
- ios* : 5.
- linker\_pass3* : 2.
- lint : 44.
- NS\_angled\_string::TH\_angled\_string : 12, 22, 38.
- NS\_c\_string::TH\_c\_string : 12, 22, 38.
- NS\_linker\_id::TH\_linker\_id : 9, 19, 29.
- NS\_linker\_preamble\_code::TH\_linker\_preamble\_code : 32.
- NS\_lint\_balls::TH\_lint\_balls : 44.
- NS\_yacco2\_k\_symbols : 8.
- NS\_yacco2\_terminals : 6.
- NULL : 9, 12, 19, 22, 29, 32, 38.
- ofstream* : 5.
- open : 5.
- out : 5.
- parser* : 5, 10, 11, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 30, 31, 33, 34, 35, 37, 39, 40, 41, 42, 43.
- preamble : 29.
- preamble\_srce* : 4, 33.
- PTR\_LR1\_eog* : 8.
- push\_back* : 39, 42.
- p2* : 10, 13, 14, 15, 16, 17, 20, 23, 24, 25, 26, 27, 30, 33, 34, 39, 40, 41, 42, 43.
- R\_fsc\_file : 36.
- R\_fsc\_files : 7, 36.
- R\_fsc\_file* : 38, 39, 40, 41, 42, 43.
- R\_fsc\_files* : 36, 37.
- Remitfile* : 19, 20, 21.
- Remitfile : 7.
- Remitfile\_filename* : 7.
- Remitfile\_filename* : 22, 23, 24, 25, 26, 27, 28.
- Rlinker\_pass3* : 7.
- Rlint* : 44.
- Rlint : 7, 36.
- Rpreamble* : 29, 30, 31.
- Rpreamble : 7.
- Rpreamble\_code* : 7.
- Rpreamble\_code* : 32, 33, 34, 35.
- RT\_alphabet : 7.
- RT\_alphabet\_filename : 7.
- RT\_alphabet* : 9, 10, 11.
- RT\_alphabet\_filename* : 12, 13, 14, 15, 16, 17, 18.
- rule\_info* : 10, 11, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 30, 31, 33, 34, 35, 37, 39, 40, 41, 42, 43.

*set\_auto\_delete*: 10, 13, 16, 17, 20, 23, 26, 27, 30, 39, 42.  
*set\_rc*: 5, 10, 11, 16, 18, 20, 21, 26, 28, 30, 31, 35, 37.  
*set\_stop\_parse*: 5, 10, 11, 14, 15, 16, 18, 20, 21, 24, 25, 26, 28, 30, 31, 34, 35, 37, 40, 41, 43.  
*set\_use\_all\_shift\_off*: 5.  
*sf*: 10, 13, 14, 15, 16, 17, 20, 23, 24, 25, 26, 27, 30, 33, 34, 39, 40, 41, 42, 43.  
*start\_token\_*: 5.  
*std*: 4, 5.  
*string*: 4, 39, 42.  
*sym*: 5, 10, 11, 16, 18, 20, 21, 26, 28, 30, 31, 35, 37.  
*syntax-code*: 32.  
*t\_alphabet\_filename\_*: 4, 13, 17.  
*T\_Enum*: 5.  
*T\_LR1\_eog\_*: 5.  
*T\_syntax\_code*: 4.  
*Tok*: 4, 5.  
*true*: 5, 10, 11, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 30, 31, 34, 35, 37, 39, 40, 41, 42, 43.  
*vector*: 4.  
*yacco2*: 4, 5, 8.

< Clinker\_pass3 user-declaration directive 4 >  
< Clinker\_pass3 user-implementation directive 5 >  
< Clinker\_pass3 user-prefix-declaration directive 6 >  
< RT\_alphabet subrule 2 op directive 10 >  
< RT\_alphabet subrule 3 op directive 11 >  
< RT\_alphabet\_filename subrule 1 op directive 13 >  
< RT\_alphabet\_filename subrule 2 op directive 14 >  
< RT\_alphabet\_filename subrule 3 op directive 15 >  
< RT\_alphabet\_filename subrule 4 op directive 16 >  
< RT\_alphabet\_filename subrule 5 op directive 17 >  
< RT\_alphabet\_filename subrule 6 op directive 18 >  
< R\_fsc\_file subrule 1 op directive 39 >  
< R\_fsc\_file subrule 2 op directive 40 >  
< R\_fsc\_file subrule 3 op directive 41 >  
< R\_fsc\_file subrule 4 op directive 42 >  
< R\_fsc\_file subrule 5 op directive 43 >  
< R\_fsc\_files subrule 3 op directive 37 >  
< Remitfile subrule 2 op directive 20 >  
< Remitfile subrule 3 op directive 21 >  
< Remitfile\_filename subrule 1 op directive 23 >  
< Remitfile\_filename subrule 2 op directive 24 >  
< Remitfile\_filename subrule 3 op directive 25 >  
< Remitfile\_filename subrule 4 op directive 26 >  
< Remitfile\_filename subrule 5 op directive 27 >  
< Remitfile\_filename subrule 6 op directive 28 >  
< Rlinker\_pass3 op directive 8 >  
< Rpreamble subrule 2 op directive 30 >  
< Rpreamble subrule 3 op directive 31 >  
< Rpreamble\_code subrule 1 op directive 33 >  
< Rpreamble\_code subrule 2 op directive 34 >  
< Rpreamble\_code subrule 3 op directive 35 >

linker\_pass3 Grammar

Date: January 2, 2015 at 15:36

File: linker\_pass3.lex

Ns: NS\_linker\_pass3

Version: 1.0

Debug: false

Grammar Comments:

Type: Monolithic

Lexer: constructing tokens for  $O_2^{linker}$  parsing stage.



<i>linker_pass3</i> <b>grammar</b> .....	2	2
Fsm Clinker_pass3 class .....	3	2
Clinker_pass3 user-declaration directive .....	4	2
Clinker_pass3 user-implementation directive .....	5	3
Clinker_pass3 user-prefix-declaration directive .....	6	4
<i>Rlinker_pass3</i> rule .....	7	4
Rlinker_pass3 op directive .....	8	4
<i>RT_alphabet</i> rule .....	9	4
<i>RT_alphabet</i> 's subrule 2 .....	10	4
<i>RT_alphabet</i> 's subrule 3 .....	11	5
<i>RT_alphabet_filename</i> rule .....	12	5
<i>RT_alphabet_filename</i> 's subrule 1 .....	13	5
<i>RT_alphabet_filename</i> 's subrule 2 .....	14	5
<i>RT_alphabet_filename</i> 's subrule 3 .....	15	6
<i>RT_alphabet_filename</i> 's subrule 4 .....	16	6
<i>RT_alphabet_filename</i> 's subrule 5 .....	17	6
<i>RT_alphabet_filename</i> 's subrule 6 .....	18	6
<i>Remitfile</i> rule .....	19	6
<i>Remitfile</i> 's subrule 2 .....	20	7
<i>Remitfile</i> 's subrule 3 .....	21	7
<i>Remitfile_filename</i> rule .....	22	7
<i>Remitfile_filename</i> 's subrule 1 .....	23	7
<i>Remitfile_filename</i> 's subrule 2 .....	24	8
<i>Remitfile_filename</i> 's subrule 3 .....	25	8
<i>Remitfile_filename</i> 's subrule 4 .....	26	8
<i>Remitfile_filename</i> 's subrule 5 .....	27	8
<i>Remitfile_filename</i> 's subrule 6 .....	28	8
<i>Rpreamble</i> rule .....	29	9
<i>Rpreamble</i> 's subrule 2 .....	30	9
<i>Rpreamble</i> 's subrule 3 .....	31	9
<i>Rpreamble_code</i> rule .....	32	9
<i>Rpreamble_code</i> 's subrule 1 .....	33	9
<i>Rpreamble_code</i> 's subrule 2 .....	34	10
<i>Rpreamble_code</i> 's subrule 3 .....	35	10
<i>R_fsc_files</i> rule .....	36	10
<i>R_fsc_files</i> 's subrule 3 .....	37	10
<i>R_fsc_file</i> rule .....	38	10
<i>R_fsc_file</i> 's subrule 1 .....	39	11
<i>R_fsc_file</i> 's subrule 2 .....	40	11
<i>R_fsc_file</i> 's subrule 3 .....	41	11
<i>R_fsc_file</i> 's subrule 4 .....	42	11
<i>R_fsc_file</i> 's subrule 5 .....	43	11
<i>Rlint</i> rule .....	44	12
<b>First Set Language for <math>O_2^{linker}</math></b> .....	45	13
<b>Lr1 State Network</b> .....	46	14
<b>Index</b> .....	47	21