

1. Copyright.

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2. *subrules_phrase* Thread.

Parse subrule definitions.

3. Fsm Csubrules_phrase class.**4. Csubrules_phrase constructor directive.**

⟨Csubrules_phrase constructor directive 4⟩ ≡
subrules_phrase_ = 0;

5. Csubrules_phrase op directive.

⟨Csubrules_phrase op directive 5⟩ ≡
 if (*subrules_phrase_* ≠ 0) {
 delete *subrules_phrase_;*
 subrules_phrase_ = 0;
 }
subrules_phrase_ = new *T_subrules_phrase;*
subrules_phrase_→*set_rc*(**parser_*→*start_token_*, __FILE__, __LINE__);
 AST **t* = new AST(**subrules_phrase_*);
subrules_phrase_→*phrase_tree*(*t*);
subrule_no_ = 0;

6. Csubrules_phrase user-declaration directive.

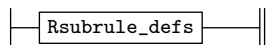
⟨Csubrules_phrase user-declaration directive 6⟩ ≡
public: *T_subrules_phrase* * *subrules_phrase_;*
 int *subrule_no_;*

7. Csubrules_phrase user-prefix-declaration directive.

⟨Csubrules_phrase user-prefix-declaration directive 7⟩ ≡
 #include "lint_balls.h"
 #include "eol.h"
 #include "c_comments.h"
 #include "identifier.h"
 #include "c_string.h"
 #include "subrule_def.h"

8. Rsubrules_phrase rule.

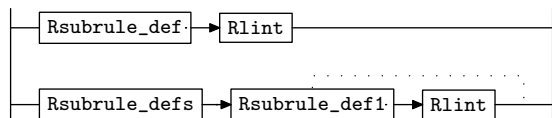
Rsubrules_phrase



⟨Rsubrules_phrase subrule 1 op directive 8⟩ ≡
Csubrules_phrase * *fsm* = (*Csubrules_phrase* *) *rule_info_*→*parser_*→*fsm_tbl_*;
 RSVP(*fsm*→*subrules_phrase_*);
fsm→*subrules_phrase_* = 0;

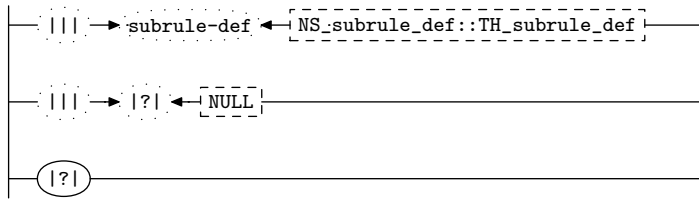
9. Rsubrule_defs rule.

Rsubrule_defs

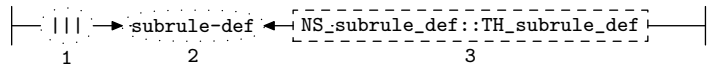


10. *Rsubrule_def* rule.

Rsubrule_def

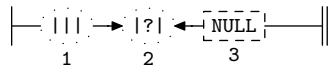


11. *Rsubrule_def*'s subrule 1.



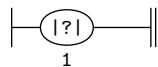
⟨Rsubrule_def subrule 1 op directive 11⟩ ≡
Csubrules_phrase * *fsm* = (*Csubrules_phrase* *) *rule_info__parser__fsm_tbl__*;
 ++*fsm*-*subrule_no*;
sf-*p2__subrule_no_of_rule*(*fsm*-*subrule_no*);
fsm-*subrules_phrase*-*add_sr_to_subrules*(*sf*-*p2__*);

12. *Rsubrule_def*'s subrule 2.



⟨Rsubrule_def subrule 2 op directive 12⟩ ≡
 RSVP(*sf*-*p2__*);
rule_info__parser__set_stop_parse(*true*);

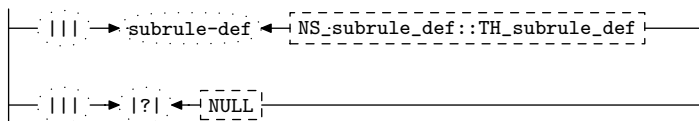
13. *Rsubrule_def*'s subrule 3.

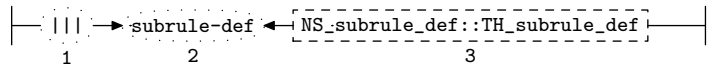


⟨Rsubrule_def subrule 3 op directive 13⟩ ≡
CAbs_lr1_sym * *sym* = **new** *Err_no_sub_rule_present*;
sym-*set_rc*(**rule_info__parser__current_token*(), *__FILE__*, *__LINE__*);
 RSVP(*sym*);
rule_info__parser__set_stop_parse(*true*);

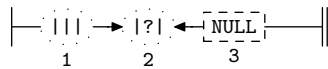
14. *Rsubrule_def1* rule.

Rsubrule_def1



15. *Rsubrule_def1*'s subrule 1.

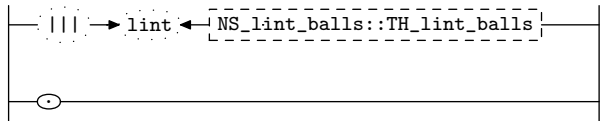
\langle Rsubrule_def1 subrule 1 op directive 15 $\rangle \equiv$
Csubrules_phrase * *fsm* = (*Csubrules_phrase* *) *rule_info...parser...fsm_tbl...*;
 ++*fsm-subrule_no*;
sf-p2...subrule_no_of_rule(*fsm-subrule_no*);
fsm-subrules_phrase...add_sr_to_subrules(*sf-p2...*);

16. *Rsubrule_def1*'s subrule 2.

\langle Rsubrule_def1 subrule 2 op directive 16 $\rangle \equiv$
 RSVP(*sf-p2...*);
rule_info...parser...set_stop_parse(*true*);

17. *Rlint* rule.

Rlint



18. First Set Language for O_2^{linker} .

```
/*
  File: subrules_phrase.fsc
  Date and Time: Fri Jan  2 15:33:56 2015
*/
transitive      y
grammar-name    "subrules_phrase"
name-space      "NS_subrules_phrase"
thread-name     "TH_subrules_phrase"
monolithic      n
file-name       "subrules_phrase.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 1
  NS_subrule_def::TH_subrule_def
end-list-of-transitive-threads
list-of-used-threads 2
  NS_lint_balls::TH_lint_balls
  NS_subrule_def::TH_subrule_def
end-list-of-used-threads
fsm-comments
"Parse subrules: into the valley of ..."
```

19. Lr1 State Network.

\Rightarrow					State: 1 state type: s			
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	c	Rsubrule_def		3 3 1	?			1 2 2
	c	Rsubrule_def		3 1 1	subrule-def NS_subrule_def::TH_subrule_def			1 3 5
	c	Rsubrule_def		3 2 1	? NULL			1 3 4
	c	Rsubrule_defs		2 2 1	Rsubrule_defs <u>Rsubrule_def1</u>			1 6 13
	c	Rsubrules_phrase		1 1 1	Rsubrule_defs			1 6 6
	c	Rsubrule_defs		2 1 1	Rsubrule_def <u>Rlintϵ</u>			1 14 15
\Rightarrow	?					State: 2 state type: r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def		3 3 2				1 0 2 1
\Rightarrow		arbitration-code: ϵ				State: 3 state type: s		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def		3 2 2	?			1 4 4
	t	Rsubrule_def		3 1 2	subrule-def			1 5 5
\Rightarrow	?					State: 4 state type: r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def		3 2 3				1 0 4 1
\Rightarrow	subrule-def					State: 5 state type: r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def		3 1 3				1 0 5 1
\Rightarrow	Rsubrule_defs					State: 6 state type: s/r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrules_phrase		1 1 2				1 0 6 2
	c	Rsubrule_def1		4 1 1	subrule-def NS_subrule_def::TH_subrule_def			6 7 9
	c	Rsubrule_def1		4 2 1	? NULL			6 7 8
	t	Rsubrule_defs		2 2 2	Rsubrule_def1 <u>Rlintϵ</u>			1 10 13
\Rightarrow		arbitration-code: ϵ				State: 7 state type: s		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def1		4 2 2	?			6 8 8
	t	Rsubrule_def1		4 1 2	subrule-def			6 9 9
\Rightarrow	?					State: 8 state type: r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def1		4 2 3				6 0 8 1
\Rightarrow	subrule-def					State: 9 state type: r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	t	Rsubrule_def1		4 1 3				6 0 9 1
\Rightarrow	Rsubrule_def1					State: 10 state type: s/r		
	\leftarrow	rule	\rightarrow	R# sr# Po	\leftarrow	subrule element	\rightarrow	Brn Gto Red LA
	c	Rlint		5 2 1	ϵ			10 0 10 1
	c	Rlint		5 1 1	lint NS_lint_balls::TH_lint_balls			10 11 12

t Rsubrule_defs	2	2	3	Rlint		1	13	13
⇒ <i>arbitration-code</i> : ε					State: 11 state type: <i>s</i>			
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red LA
t Rlint	5	1	2	lint		10	12	12
⇒ <i>lint</i>					State: 12 state type: <i>r</i>			
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red LA
t Rlint	5	1	3			10	0	12 1
⇒ <i>Rlint</i>					State: 13 state type: <i>r</i>			
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red LA
t Rsubrule_defs	2	2	4			1	0	13 1
⇒ <i>Rsubrule_def</i>					State: 14 state type: <i>s/r</i>			
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red LA
c Rlint	5	2	1	ε		14	0	14 1
c Rlint	5	1	1	lint NS_lint_balls::TH_lint_balls		14	11	12
t Rsubrule_defs	2	1	2	Rlint		1	15	15
⇒ <i>Rlint</i>					State: 15 state type: <i>r</i>			
← rule	→ R#	sr#	Po	←	subrule element	→ Brn	Gto	Red LA
t Rsubrule_defs	2	1	3			1	0	15 1

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subrules_phrase Grammar

Date: January 2, 2015 at 15:39

File: subrules_phrase.lex Ns: NS_subrules_phrase

Version: 1.0

Debug: false

Grammar Comments:

Type: Thread

Parse subrules: into the valley of ...

562 element(s) in Lookahead Expression below

colr - |||

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