

1. Copyright.

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2. *parallel-parser_phrase* grammar.

Dispatcher to parse the parallel-parser construct: lookahead expression and the grammar's thread identity.

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

```
<Cparallel_parser_phrase constructor directive 4> ≡
  cweb_marker_ = 0;
```

5. *Cparallel_parser_phrase* op directive.

```
<Cparallel_parser_phrase op directive 5> ≡
  if (CWEB_MARKER ≠ 0) {
    cweb_marker_ = CWEB_MARKER;
    CWEB_MARKER = 0;
  }
```

6. *Cparallel_parser_phrase* user-declaration directive.

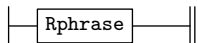
```
<Cparallel_parser_phrase user-declaration directive 6> ≡
public: yacco2::AST * cweb_marker_;
```

7. *Cparallel_parser_phrase* user-prefix-declaration directive.

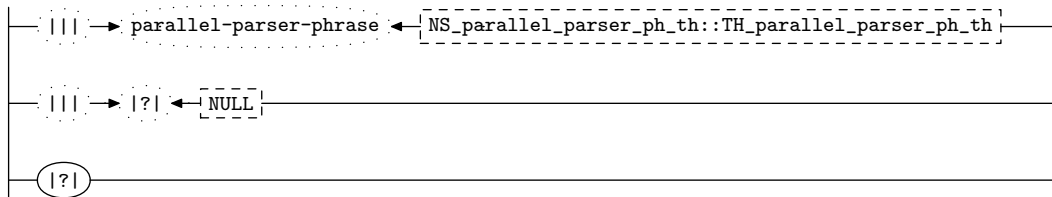
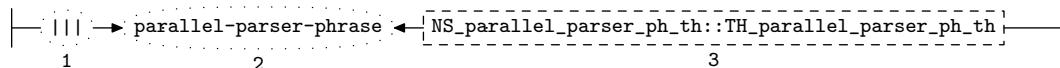
```
<Cparallel_parser_phrase user-prefix-declaration directive 7> ≡
  using namespace NS_yacco2_terminals; # include "parallel_parser_ph_th.h" # include
  "o2_externs.h"
```

8. *Rparallel_parser_phrase* rule.

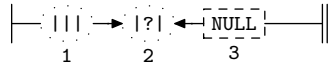
Rparallel_parser_phrase

**9. *Rphrase* rule.**

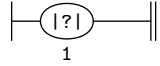
Rphrase

**10. *Rphrase*'s subrule 1.**

```
<Rphrase subrule 1 op directive 10> ≡
  ADD_TOKEN_TO_PRODUCER_QUEUE(*sf->p2_);
```

11. Rphrase's subrule 2.

⟨ Rphrase subrule 2 op directive 11 ⟩ ≡
 ADD_TOKEN_TO_ERROR_QUEUE(*sf→p2_);

12. Rphrase's subrule 3.

⟨ Rphrase subrule 3 op directive 12 ⟩ ≡
 CAbs_lr1_sym * sym = new Err_no_open_parenthesis;
 sym→set_rc(*rule_info→parser→current_token(), __FILE__, __LINE__);
 ADD_TOKEN_TO_ERROR_QUEUE(*sym);

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

```
/*
  File: parallel_parser_phrase.fsc
  Date and Time: Fri Jan  2 15:33:48 2015
*/
transitive      y
grammar-name    "parallel_parser_phrase"
name-space     "NS_parallel_parser_phrase"
thread-name     "Cparallel_parser_phrase"
monolithic     y
file-name      "parallel_parser_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_parallel_parser_ph_th::TH_parallel_parser_ph_th
end-list-of-transitive-threads
list-of-used-threads 1
  NS_parallel_parser_ph_th::TH_parallel_parser_ph_th
end-list-of-used-threads
fsm-comments
"Dispatcher to parse grammar's 'parallel-parser' construct."
```

14. Lr1 State Network.

⇒					State: 1 state type: <i>s</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
c	Rphrase		2 3 1	?			1 2 2		
c	Rphrase		2 2 1	? NULL			1 3 4		
c	Rphrase		2 1 1	parallel-parser-phrase NS_parallel_parser_ph_th::TH_parallel_parser_ph_th			1 3 5		
c	Rparallel_parser_phrase		1 1 1	Rphrase			1 6 6		
⇒	?				State: 2 state type: <i>r</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
t	Rphrase		2 3 2				1 0 2 1		
⇒	arbitration-code: ϵ				State: 3 state type: <i>s</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
t	Rphrase		2 2 2	?			1 4 4		
t	Rphrase		2 1 2	parallel-parser-phrase			1 5 5		
⇒	?				State: 4 state type: <i>r</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
t	Rphrase		2 2 3				1 0 4 1		
⇒	parallel-parser-phrase				State: 5 state type: <i>r</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
t	Rphrase		2 1 3				1 0 5 1		
⇒	Rphrase				State: 6 state type: <i>r</i>				
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA		
t	Rparallel_parser_phrase		1 1 2				1 0 6 1		

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|||: 9.
|?|: 9.
__FILE__: 12.
__LINE__: 12.
ADD_TOKEN_TO_ERROR_QUEUE: 11, 12.
ADD_TOKEN_TO_PRODUCER_QUEUE: 10.
AST: 6.
CAbs_lr1_sym: 12.
current_token: 12.
CWEB_MARKER: 5.
cweb_marker_: 4, 5, 6.
Err_no_open_parenthesis: 12.
NS_parallel_parser_ph_th::TH_parallel_parser_ph_th: 9.■
NS_yacco2_terminals: 7.
NULL: 9.
parallel-parser-phrase: 9.
parallel_parser_phrase: 2.
parser_: 12.
p2_: 10, 11.
Rparallel_parser_phrase: 8.
Rphrase: 9, 10, 11, 12.
Rphrase: 8.
rule_info_: 12.
set_rc: 12.
sf: 10, 11.
sym: 12.
yacco2: 6.

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parallel_parser_phrase Grammar

Date: January 2, 2015 at 15:38

File: parallel_parser_phrase.lex

Ns: NS_parallel_parser_phrase

Version: 1.0

Debug: false

Grammar Comments:

Type: Monolithic

Dispatcher to parse grammar's "parallel-parser" construct.

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