

1. Copyright.

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2. *fsm_phrase* grammar.

Dispatch grammar to parse the fsm construct.

Gets launched from `PROCESS_KEYWORD_FOR_SYNTAX_CODE` external procedure.

3. Fsm Cfsm_phrase class.**4. Cfsm_phrase op directive.**

⟨Cfsm_phrase op directive 4⟩ ≡
`cweb_marker_ = 0;`

5. Cfsm_phrase user-declaration directive.

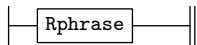
⟨Cfsm_phrase user-declaration directive 5⟩ ≡
public: `yacco2::AST * cweb_marker_;`

6. Cfsm_phrase user-prefix-declaration directive.

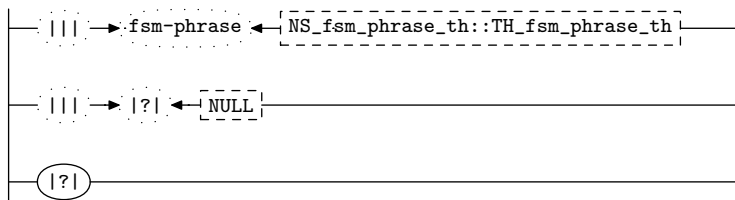
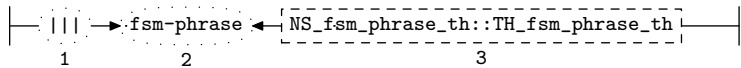
⟨Cfsm_phrase user-prefix-declaration directive 6⟩ ≡
#include "fsm_phrase_th.h"
using namespace `NS_yacco2_terminals;`

7. *Rfsm_phrase* rule.

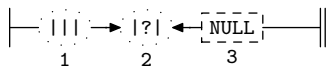
Rfsm_phrase

**8. *Rphrase* rule.**

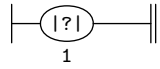
Rphrase

**9. *Rphrase*'s subrule 1.**

⟨Rphrase subrule 1 op directive 9⟩ ≡
`ADD_TOKEN_TO_PRODUCER_QUEUE(*sf→p2_);`

10. *Rphrase*'s subrule 2.

⟨Rphrase subrule 2 op directive 10⟩ ≡
`ADD_TOKEN_TO_ERROR_QUEUE(*sf→p2_);`

11. Rphrase's subrule 3.

\langle Rphrase subrule 3 op directive 11 $\rangle \equiv$

```
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);
```

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

```
/*
  File: fsm_phrase.fsc
  Date and Time: Fri Jan  2 15:33:37 2015
*/
transitive      y
grammar-name    "fsm_phrase"
name-space      "NS_fsm_phrase"
thread-name     "Cfsm_phrase"
monolithic      y
file-name       "fsm_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_fsm_phrase_th::TH_fsm_phrase_th
end-list-of-transitive-threads
list-of-used-threads 1
  NS_fsm_phrase_th::TH_fsm_phrase_th
end-list-of-used-threads
fsm-comments
"Dispatcher to parse ‘fsm’ construct."
```

13. 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	fsm_phrase NS_fsm_phrase_th::TH_fsm_phrase_th			1 3 5
c	Rfsm_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
⇒	<i>arbitration-code: ε</i>				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	fsm_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
⇒	<i>fsm_phrase</i>				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
⇒	<i>Rphrase</i>				State: 6 state type: <i>r</i>		
←	rule	→	R# sr# Po	←	subrule element	→	Brn Gto Red LA
t	Rfsm_phrase		1 1 2				1 0 6 1

14. Index.

|||: 8.
|?|: 8.
__FILE__: 11.
__LINE__: 11.
ADD_TOKEN_TO_ERROR_QUEUE: 10, 11.
ADD_TOKEN_TO_PRODUCER_QUEUE: 9.
AST: 5.
CAbs_lr1_sym: 11.
current_token: 11.
cweb_marker_: 4, 5.
Err_no_open_parenthesis: 11.
fsm_phrase: 8.
fsm_phrase: 2.
NS_fsm_phrase_th::TH_fsm_phrase_th: 8.
NS_yacco2_terminals: 6.
NULL: 8.
parser_: 11.
PROCESS_KEYWORD_FOR_SYNTAX_CODE: 2.
p2_: 9, 10.
Rfsm_phrase: 7.
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rule_info_: 11.
set_rc: 11.
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yacco2: 5.

- ⟨ C fsm_phrase op directive 4 ⟩
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- ⟨ R phrase subrule 2 op directive 10 ⟩
- ⟨ R phrase subrule 3 op directive 11 ⟩

fsm_phrase Grammar

Date: January 2, 2015 at 15:36

File: fsm_phrase.lex

Ns: NS_fsm_phrase

Version: 1.0

Debug: false

Grammar Comments:

Type: Monolithic

Dispatcher to parse “fsm” construct.

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