

1. Copyright.

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2. *lint_balls_th* thread.

Rip thru the white stuff and the comments. Why this thread anyway? I'd rather have 1 place to deal with a slight overhead of a thread calling a thread. Overall the code bloat will go down instead of having it programmed per grammar. The *T_lint* terminal is returned. Use a global pointer to it as it is just an indicator. The new / delete cycle is too expensive.

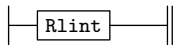
3. Fsm *Clint_balls* class.

4. *Clint_balls* user-prefix-declaration directive.

```
< Clint_balls user-prefix-declaration directive 4 > ≡
#include "eol.h"
#include "ws.h"
#include "c_comments.h"
```

5. *Rlint_balls* rule.

Rlint_balls



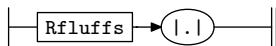
< Rlint_balls subrule 1 op directive 5 > ≡

```
CAbs_lr1_sym * sym = NS_yacco2_terminals :: PTR_lint_;
sym->set_rc(*rule_info->parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

6. *Rlint* rule.

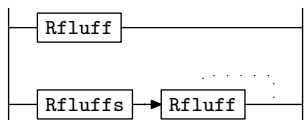
Why the use of |.|? To reduce the lookahead set size. *eolr* is only one entry in the lookahead instead of expressing the specifics.

Rlint



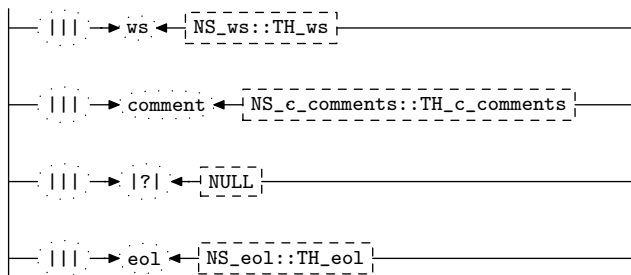
7. *Rfluffs* rule.

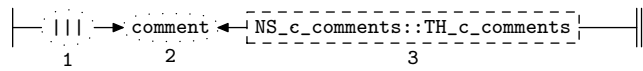
Rfluffs



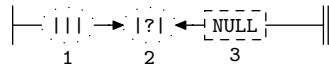
8. *Rfluff* rule.

Rfluff



9. Rfluff's subrule 2.

⟨ Rfluff subrule 2 op directive 9 ⟩ ≡
sf-p2--set_auto_delete(true);

10. Rfluff's subrule 3.

⟨ Rfluff subrule 3 op directive 10 ⟩ ≡
 RSVP(*sf-p2--*);
rule_info...parser--set_stop_parse(true);

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

```
/*
  File: lint_balls.fsc
  Date and Time: Fri Jan  2 15:33:42 2015
*/
transitive      y
grammar-name    "lint_balls"
name-space      "NS_lint_balls"
thread-name     "TH_lint_balls"
monolithic      n
file-name       "lint_balls.fsc"
no-of-T         569
list-of-native-first-set-terminals 0
end-list-of-native-first-set-terminals
list-of-transitive-threads 3
  NS_ws::TH_ws
  NS_eol::TH_eol
  NS_c_comments::TH_c_comments
end-list-of-transitive-threads
list-of-used-threads 3
  NS_c_comments::TH_c_comments
  NS_eol::TH_eol
  NS_ws::TH_ws
end-list-of-used-threads
fsm-comments
"Is this spring cleaning?"
```

12. Lr1 State Network.

| | | | | | | | | |
|---------------|-------------|------------------------------|-----------|--------------|--------------------------------------|---------------|----------------|--|
| \Rightarrow | | | | | State: 1 state type: s | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| c | Rfluff | | 4 2 1 | | comment NS_c.comments::TH_c.comments | | 1 2 5 | |
| c | Rfluff | | 4 3 1 | | ? NULL | | 1 2 3 | |
| c | Rfluff | | 4 1 1 | | ws NS_ws::TH_ws | | 1 2 6 | |
| c | Rfluff | | 4 4 1 | | eol NS_eol::TH_eol | | 1 2 4 | |
| c | Rlint_balls | | 1 1 1 | Rlint | | | 1 7 7 | |
| c | Rfluffs | | 3 2 1 | Rfluffs | <u>Rfluff</u> | | 1 8 10 | |
| c | Rlint | | 2 1 1 | Rfluffs | <u> .</u> | | 1 8 9 | |
| c | Rfluffs | | 3 1 1 | Rfluff | | | 1 11 11 | |
| \Rightarrow | | arbitration-code: ϵ | | | State: 2 state type: s | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rfluff | | 4 3 2 | ? | | | 1 3 3 | |
| t | Rfluff | | 4 4 2 | eol | | | 1 4 4 | |
| t | Rfluff | | 4 2 2 | comment | | | 1 5 5 | |
| t | Rfluff | | 4 1 2 | ws | | | 1 6 6 | |
| \Rightarrow | ? | | | | State: 3 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rfluff | | 4 3 3 | | | | 1 0 3 1 | |
| \Rightarrow | eol | | | | State: 4 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rfluff | | 4 4 3 | | | | 1 0 4 1 | |
| \Rightarrow | comment | | | | State: 5 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rfluff | | 4 2 3 | | | | 1 0 5 1 | |
| \Rightarrow | ws | | | | State: 6 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rfluff | | 4 1 3 | | | | 1 0 6 1 | |
| \Rightarrow | Rlint | | | | State: 7 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rlint_balls | | 1 1 2 | | | | 1 0 7 2 | |
| \Rightarrow | Rfluffs | | | | State: 8 state type: s | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| c | Rfluff | | 4 2 1 | | comment NS_c.comments::TH_c.comments | | 8 2 5 | |
| c | Rfluff | | 4 3 1 | | ? NULL | | 8 2 3 | |
| c | Rfluff | | 4 1 1 | | ws NS_ws::TH_ws | | 8 2 6 | |
| c | Rfluff | | 4 4 1 | | eol NS_eol::TH_eol | | 8 2 4 | |
| t | Rlint | | 2 1 2 | . | | | 1 9 9 | |
| t | Rfluffs | | 3 2 2 | Rfluff | | | 1 10 10 | |
| \Rightarrow | . | | | | State: 9 state type: r | | | |
| \leftarrow | rule | \rightarrow | R# sr# Po | \leftarrow | subrule element | \rightarrow | Brn Gto Red LA | |
| t | Rlint | | 2 1 3 | | | | 1 0 9 2 | |

$\Rightarrow Rfluff$

| | | | | | | |
|---|---------|---|----|-----|----|---|
| ← | rule | → | R# | sr# | Po | ← |
| t | Rfluffs | | 3 | 2 | 3 | |

State: 10 state type: *r*
 subrule element

| | | | | |
|---|-----|-----|-----|----|
| → | Brn | Gto | Red | LA |
| | 1 | 0 | 10 | 1 |

 $\Rightarrow Rfluff$

| | | | | | | |
|---|---------|---|----|-----|----|---|
| ← | rule | → | R# | sr# | Po | ← |
| t | Rfluffs | | 3 | 1 | 2 | |

State: 11 state type: *r*
 subrule element

| | | | | |
|---|-----|-----|-----|----|
| → | Brn | Gto | Red | LA |
| | 1 | 0 | 11 | 1 |

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|.|: 6.
|||: 8.
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< Clint_balls user-prefix-declaration directive 4 >
< Rfluff subrule 2 op directive 9 >
< Rfluff subrule 3 op directive 10 >
< Rlint_balls subrule 1 op directive 5 >

lint_balls Grammar

Date: January 2, 2015 at 15:37

File: lint_balls.lex

Ns: NS_lint_balls

Version: 1.0

Debug: false

Grammar Comments:

Type: Thread

Is this spring cleaning?

1 element(s) in Lookahead Expression below

eolr

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