1. Copyright.

2. *esc_seq* **Thread.**
Evaluates escape sequences but does not convert them into their binary form. The data is passed back as text for the caller to deal with it. For myself i'm dealing in text format not binary. The finite state tables are also emitted in c++ text form for a c++ compiler to digest. The variants cover the normal c++ backslash character literal like n or b, the octal and hexidecimal variations, and the unicode types.

3. Fsm Cesc_seq class.

4. Cesc_seq op directive.

```
⟨ Cesc_seq op directive 4 ⟩ ≡
  parser__→set_use_all_shift_on( );
  data_.clear( );
```

5. Cesc_seq user-declaration directive.

```
⟨ Cesc_seq user-declaration directive 5 ⟩ ≡
public: yacco2 :: CAbs_lr1_sym ∗ chk_for_overrun( );
  std :: string data_;
  std :: string hex_data_;
  std :: string octal_data_;
```

6. Cesc_seq user-implementation directive.

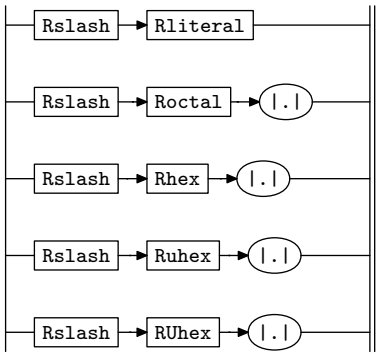
```
⟨ Cesc_seq user-implementation directive 6 ⟩ ≡
  yacco2 :: CAbs_lr1_sym ∗ Cesc_seq :: chk_for_overrun( )
  {
    switch (parser__→current_token( )→enumerated_id__) {
    case T_Enum :: T_raw_lf_: break;
    case T_Enum :: T_raw_cr_: break;
    case T_Enum :: T_T_eol_: break;
    case T_Enum :: T_LR1_eog_: break;
    default: return 0;
    }
    CAbs_lr1_sym ∗ sym = new Err_bad_eos;
    sym→set_rc(∗parser__→start_token__, __FILE__, __LINE__);
    parser__→set_use_all_shift_off( );
    return sym;
  }
```

7. Cesc_seq user-prefix-declaration directive.

```
⟨ Cesc_seq user-prefix-declaration directive 7 ⟩ ≡
#include "stdlib.h"
```

8. *Resc_seq* **rule.**

Resc_seq

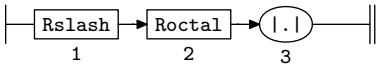


9. Resc_seq op directive.

⟨ Resc_seq op directive 9 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
CAbs_lr1_sym * sym = new T_esc_seq(fsm->data_.c_str( ));
sym->set_rc(*rule_info__.parser__->start_token__, __FILE__, __LINE__);
sym->set_line_no_and_pos_in_line(*rule_info__.parser__->start_token__);
RSVP(sym);
```

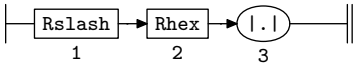
10. *Resc_seq*'**s subrule 2.**



⟨ Resc_seq subrule 2 op directive 10 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += '\\';
fsm->data_ += fsm->octal_data_.c_str( );
```

11. *Resc_seq*'**s subrule 3.**

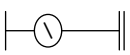


⟨ Resc_seq subrule 3 op directive 11 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += fsm->hex_data_.c_str( );
```

12. *Rslash* **rule.**

Rslash

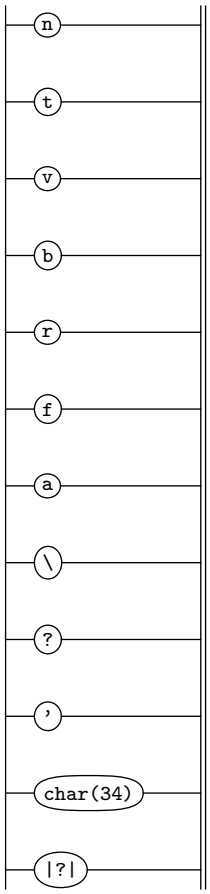


⟨ Rslash subrule 1 op directive 12 ⟩ ≡

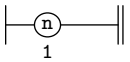
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
CAbs_lr1_sym * sym = fsm->chk_for_overrun( );
if (sym ≡ 0) return;
RSVP(sym);
rule_info__.parser__->set_stop_parse(true);
```

13. *Rliteral* **rule.**

Rliteral



14. *Rliteral*'**s subrule 1.**

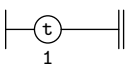


New line.

⟨ Rliteral subrule 1 op directive 14 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'n';
```

15. *Rliteral*'**s subrule 2.**

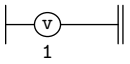


Horizontal tab.

⟨ Rliteral subrule 2 op directive 15 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 't';
```

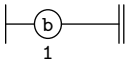
16. *Rliteral*'s subrule 3.



Vertical tab.

⟨ Rliteral subrule 3 op directive 16 ⟩ ≡
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'v';
```

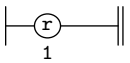
17. *Rliteral*'s subrule 4.



Backspace.

⟨ Rliteral subrule 4 op directive 17 ⟩ ≡
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'b';
```

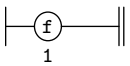
18. *Rliteral*'s subrule 5.



Carriage return.

⟨ Rliteral subrule 5 op directive 18 ⟩ ≡
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'r';
```

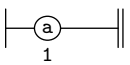
19. *Rliteral*'s subrule 6.



Form feed.

⟨ Rliteral subrule 6 op directive 19 ⟩ ≡
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'f';
```

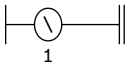
20. *Rliteral*'s subrule 7.



Alert or bell.

⟨ Rliteral subrule 7 op directive 20 ⟩ ≡
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'a';
```

21. *Rliteral*'s subrule 8.

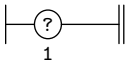


Backslash — escaping the escape.

⟨ Rliteral subrule 8 op directive 21 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += "\\";
```

22. *Rliteral*'s subrule 9.

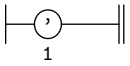


Question mark.

⟨ Rliteral subrule 9 op directive 22 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += '?';
```

23. *Rliteral*'s subrule 10.

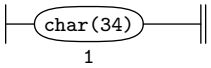


Single quote.

⟨ Rliteral subrule 10 op directive 23 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += "'";
```

24. *Rliteral*'s subrule 11.

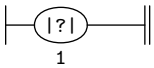


Double quote.

⟨ Rliteral subrule 11 op directive 24 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += '"';
```

25. *Rliteral*'s subrule 12.

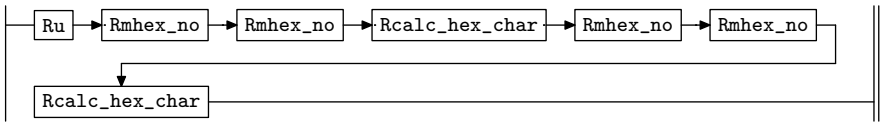


⟨ Rliteral subrule 12 op directive 25 ⟩ ≡

```
CAbs_lr1_sym * sym = new Err_bad_esc;
sym->set_rc(*rule_info__.parser__->start_token__, __FILE__, __LINE__);
sym->set_line_no_and_pos_in_line(*rule_info__.parser__->start_token__);
RSVP(sym);
rule_info__.parser__->set_stop_parse(true);
```

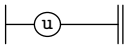
26. *Ruhex* **rule.**

Ruhex



27. *Ru* **rule.**

Ru

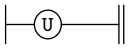


⟨ Ru subrule 1 op directive 27 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'u';
```

28. `RU` **rule.**

RU

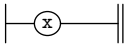


⟨ RU subrule 1 op directive 28 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'U';
```

29. *Rx* **rule.**

Rx

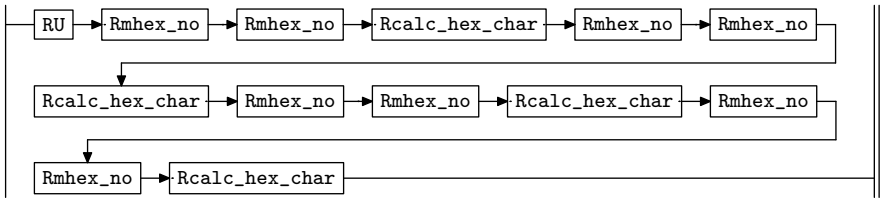


⟨ Rx subrule 1 op directive 29 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
fsm->data_ += "\\";
fsm->data_ += 'x';
```

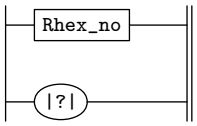
30. *RUhex* **rule.**

RUhex

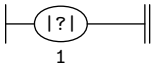


31. *Rmhex_no* **rule.**

Rmhex_no



32. *Rmhex_no*'**s subrule 2.**

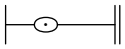


⟨ Rmhex_no subrule 2 op directive 32 ⟩ ≡

```
CAbs_lr1_sym * sym = new Err_bad_esc;
sym->set_rc(*rule_info__.parser__->start_token__, __FILE__, __LINE__);
RSVP(sym);
rule_info__.parser__->set_stop_parse(true);
```

33. *Rcalc_hex_char* **rule.**

Rcalc_hex_char

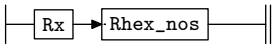


⟨ Rcalc_hex_char subrule 1 op directive 33 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__->fsm_tbl__;
unsigned long usl = strtoul(fsm->hex_data_.c_str( ), 0, 16);
unsigned char c = usl;
fsm->data_ += "\\x";
fsm->data_ += c;
fsm->hex_data_.clear( );
```

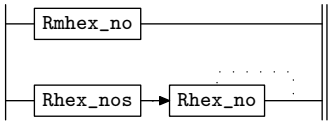
34. *Rhex* **rule.**

Rhex



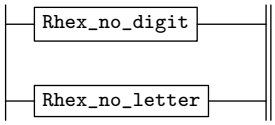
35. *Rhex_nos* **rule.**

Rhex_nos



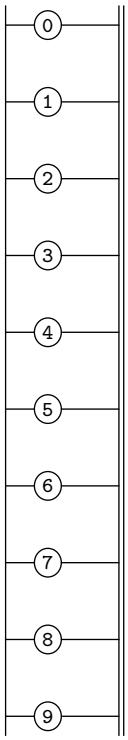
36. *Rhex_no* **rule.**

Rhex_no



37. *Rhex_no_digit* **rule.**

Rhex_no_digit



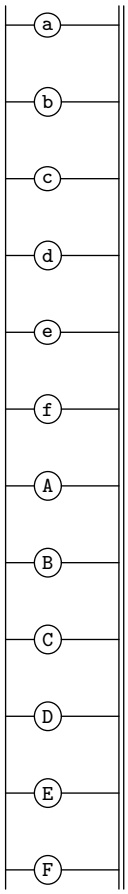
38. Rhex_no_digit op directive.

⟨ Rhex_no_digit op directive 38 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__→fsm_tbl__;
size_t pos = rule_info__.parser__→parse_stack__.top_sub__ − 1;
CAbs_lr1_sym * sym = rule_info__.parser__→get_spec_stack_token(pos);
fsm→hex_data_ += sym→id__;
```

39. *Rhex_no_letter* **rule.**

Rhex_no_letter



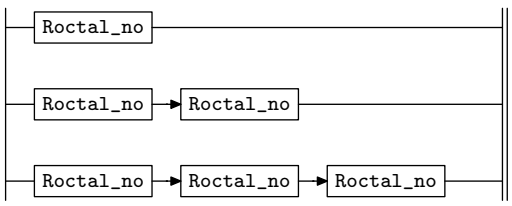
40. Rhex_no_letter op directive.

⟨ Rhex_no_letter op directive 40 ⟩ ≡

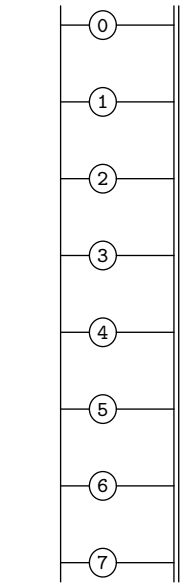
```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__→fsm_tbl__;
size_t pos = rule_info__.parser__→parse_stack__.top_sub__ − 1;
CAbs_lr1_sym * sym = rule_info__.parser__→get_spec_stack_token(pos);
fsm→hex_data_ += sym→id__;
```

41. *Roctal* **rule.**

Roctal



42. *Roctal_no* **rule.**



43. Roctal_no op directive.

⟨ Roctal_no op directive 43 ⟩ ≡

```
Cesc_seq * fsm = ( Cesc_seq * ) rule_info__.parser__→fsm_tbl__;
size_t pos = rule_info__.parser__→parse_stack__.top_sub__ − 1;
CAbs_lr1_sym * sym = rule_info__.parser__→get_spec_stack_token(pos);
fsm→octal_data_ += sym→id__;
```

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

```
/*
 File: esc_seq.fsc
 Date and Time: Fri Jan  2 15:33:35 2015
*/
transitive   n
grammar-name "esc_seq"
name-space   "NS_esc_seq"
thread-name  "TH_esc_seq"
monolithic   n
file-name    "esc_seq.fsc"
no-of-T      569
list-of-native-first-set-terminals 1
   raw_back_slash
end-list-of-native-first-set-terminals
list-of-transitive-threads 0
end-list-of-transitive-threads
list-of-used-threads 0
end-list-of-used-threads
fsm-comments
"C type escape sequence recognizer."
```

45. Lr1 State Network.

⇒ State: 1 state type: ^{s}

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rslash			2	1	1	\			1	2	2	
c	Resc_seq			1	4	1	Rslash *Ruhex*			1	3	29	
c	Resc_seq			1	5	1	Rslash *RUhex*			1	3	81	
c	Resc_seq			1	2	1	Rslash *Roctal*			1	3	85	
c	Resc_seq			1	3	1	Rslash *Rhex*			1	3	83	
c	Resc_seq			1	1	1	Rslash *Rliteral*			1	3	27	

⇒\ State: 2 state type: ^{r}

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rslash			2	1	2				1	0	2	1

⇒*Rslash* State: 3 state type: ^{s}

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rliteral			3	12	1	|?|			3	4	4	
c	Rliteral			3	11	1	"			3	5	5	
c	Rliteral			3	10	1	'			3	6	6	
c	Roctal_no			17	1	1	0			3	7	7	
c	Roctal_no			17	2	1	1			3	8	8	
c	Roctal_no			17	3	1	2			3	9	9	
c	Roctal_no			17	4	1	3			3	10	10	
c	Roctal_no			17	5	1	4			3	11	11	
c	Roctal_no			17	6	1	5			3	12	12	
c	Roctal_no			17	7	1	6			3	13	13	
c	Roctal_no			17	8	1	7			3	14	14	
c	Rliteral			3	9	1	?			3	15	15	
c	RU			6	1	1	U			3	16	16	
c	Rliteral			3	8	1	\			3	17	17	
c	Rliteral			3	7	1	a			3	18	18	
c	Rliteral			3	4	1	b			3	19	19	
c	Rliteral			3	6	1	f			3	20	20	
c	Rliteral			3	1	1	n			3	21	21	
c	Rliteral			3	5	1	r			3	22	22	
c	Rliteral			3	2	1	t			3	23	23	
c	Ru			5	1	1	u			3	24	24	
c	Rliteral			3	3	1	v			3	25	25	
c	Rx			7	1	1	x			3	26	26	
t	Resc_seq			1	1	2	Rliteral			1	27	27	
t	Resc_seq			1	4	2	Ruhex |.|			1	28	29	
c	Ruhex			4	1	1	Ru *Rmhex_no*			3	30	59	
c	RUhex			8	1	1	RU *Rmhex_no*			3	63	75	
c	Rhex			11	1	1	Rx *Rhex_nos*			3	76	78	
t	Resc_seq			1	5	2	RUhex |.|			1	80	81	
t	Resc_seq			1	3	2	Rhex |.|			1	82	83	
t	Resc_seq			1	2	2	Roctal |.|			1	84	85	
c	Roctal			16	1	1	Roctal_no			3	86	86	
c	Roctal			16	2	1	Roctal_no *Roctal_no*			3	86	87	
c	Roctal			16	3	1	Roctal_no *Roctal_no*			3	86	88	

$\Rightarrow^{|?|}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rliteral		3	12	2				3	0	4	2

State: 4 state type: ^{r}

$\Rightarrow^{"}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rliteral		3	11	2				3	0	5	2

State: 5 state type: ^{r}

$\Rightarrow^{'}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rliteral		3	10	2				3	0	6	2

State: 6 state type: ^{r}

$\Rightarrow^{0}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	1	2				3	0	7	3

State: 7 state type: ^{r}

$\Rightarrow^{1}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	2	2				3	0	8	3

State: 8 state type: ^{r}

$\Rightarrow^{2}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	3	2				3	0	9	3

State: 9 state type: ^{r}

$\Rightarrow^{3}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	4	2				3	0	10	3

State: 10 state type: ^{r}

$\Rightarrow^{4}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	5	2				3	0	11	3

State: 11 state type: ^{r}

$\Rightarrow^{5}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	6	2				3	0	12	3

State: 12 state type: ^{r}

$\Rightarrow^{6}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	7	2				3	0	13	3

State: 13 state type: ^{r}

$\Rightarrow^{7}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal_no		17	8	2				3	0	14	3

State: 14 state type: ^{r}

$\Rightarrow^{?}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rliteral		3	9	2				3	0	15	2

State: 15 state type: ^{r}

$\Rightarrow^{U}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	RU		6	1	2				3	0	16	4

State: 16 state type: ^{r}

⇒\ State: 17 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	8	2				3	0	17	2

⇒a State: 18 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	7	2				3	0	18	2

⇒b State: 19 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	4	2				3	0	19	2

⇒f State: 20 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	6	2				3	0	20	2

⇒n State: 21 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	1	2				3	0	21	2

⇒r State: 22 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	5	2				3	0	22	2

⇒t State: 23 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	2	2				3	0	23	2

⇒u State: 24 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Ru			5	1	2				3	0	24	4

⇒v State: 25 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rliteral			3	3	2				3	0	25	2

⇒x State: 26 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Rx			7	1	2				3	0	26	4

⇒*Rliteral* State: 27 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Resc_seq			1	1	3				1	0	27	2

⇒*Ruhex* State: 28 state type: s

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Resc_seq			1	4	3	|.|			1	29	29	

⇒|.| State: 29 state type: r

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t Resc_seq			1	4	4				1	0	29	2

$\Rightarrow^{Ru}$ State: 30 state type: ^{s}

	← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|		30	35	35	
c	Rhex_no_digit		14	1	1	0		30	36	36	
c	Rhex_no_digit		14	2	1	1		30	37	37	
c	Rhex_no_digit		14	3	1	2		30	38	38	
c	Rhex_no_digit		14	4	1	3		30	39	39	
c	Rhex_no_digit		14	5	1	4		30	40	40	
c	Rhex_no_digit		14	6	1	5		30	41	41	
c	Rhex_no_digit		14	7	1	6		30	42	42	
c	Rhex_no_digit		14	8	1	7		30	43	43	
c	Rhex_no_digit		14	9	1	8		30	44	44	
c	Rhex_no_digit		14	10	1	9		30	45	45	
c	Rhex_no_letter		15	7	1	A		30	46	46	
c	Rhex_no_letter		15	8	1	B		30	47	47	
c	Rhex_no_letter		15	9	1	C		30	48	48	
c	Rhex_no_letter		15	10	1	D		30	49	49	
c	Rhex_no_letter		15	11	1	E		30	50	50	
c	Rhex_no_letter		15	12	1	F		30	51	51	
c	Rhex_no_letter		15	1	1	a		30	52	52	
c	Rhex_no_letter		15	2	1	b		30	53	53	
c	Rhex_no_letter		15	3	1	c		30	54	54	
c	Rhex_no_letter		15	4	1	d		30	55	55	
c	Rhex_no_letter		15	5	1	e		30	56	56	
c	Rhex_no_letter		15	6	1	f		30	57	57	
t	Ruhex		4	1	2	Rmhex_no *Rmhex_no*		3	31	59	
c	Rmhex_no		9	1	1	Rhex_no		30	60	60	
c	Rhex_no		13	1	1	Rhex_no_digit		30	61	61	
c	Rhex_no		13	2	1	Rhex_no_letter		30	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 31 state type: ^{s}

	← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|		31	35	35	
c	Rhex_no_digit		14	1	1	0		31	36	36	
c	Rhex_no_digit		14	2	1	1		31	37	37	
c	Rhex_no_digit		14	3	1	2		31	38	38	
c	Rhex_no_digit		14	4	1	3		31	39	39	
c	Rhex_no_digit		14	5	1	4		31	40	40	
c	Rhex_no_digit		14	6	1	5		31	41	41	
c	Rhex_no_digit		14	7	1	6		31	42	42	
c	Rhex_no_digit		14	8	1	7		31	43	43	
c	Rhex_no_digit		14	9	1	8		31	44	44	
c	Rhex_no_digit		14	10	1	9		31	45	45	
c	Rhex_no_letter		15	7	1	A		31	46	46	
c	Rhex_no_letter		15	8	1	B		31	47	47	
c	Rhex_no_letter		15	9	1	C		31	48	48	
c	Rhex_no_letter		15	10	1	D		31	49	49	
c	Rhex_no_letter		15	11	1	E		31	50	50	
c	Rhex_no_letter		15	12	1	F		31	51	51	
c	Rhex_no_letter		15	1	1	a		31	52	52	
c	Rhex_no_letter		15	2	1	b		31	53	53	

c Rhex_no_letter	15	3	1	c	31	54	54	
c Rhex_no_letter	15	4	1	d	31	55	55	
c Rhex_no_letter	15	5	1	e	31	56	56	
c Rhex_no_letter	15	6	1	f	31	57	57	
t Ruhex	4	1	3	Rmhex_no *Rcalc_hex_char*$^{\epsilon}$ *Rmhex_no*	3	32	59	
c Rmhex_no	9	1	1	Rhex_no	31	60	60	
c Rhex_no	13	1	1	Rhex_no_digit	31	61	61	
c Rhex_no	13	2	1	Rhex_no_letter	31	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 32 state type: $^{s/r}$

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rcalc_hex_char		10	1	1	ϵ		32	0	32	4
t Ruhex		4	1	4	Rcalc_hex_char *Rmhex_no*		3	33	59	

$\Rightarrow^{Rcalc\_hex\_char}$ State: 33 state type: ^{s}

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rmhex_no		9	2	1	|?|		33	35	35	
c Rhex_no_digit		14	1	1	0		33	36	36	
c Rhex_no_digit		14	2	1	1		33	37	37	
c Rhex_no_digit		14	3	1	2		33	38	38	
c Rhex_no_digit		14	4	1	3		33	39	39	
c Rhex_no_digit		14	5	1	4		33	40	40	
c Rhex_no_digit		14	6	1	5		33	41	41	
c Rhex_no_digit		14	7	1	6		33	42	42	
c Rhex_no_digit		14	8	1	7		33	43	43	
c Rhex_no_digit		14	9	1	8		33	44	44	
c Rhex_no_digit		14	10	1	9		33	45	45	
c Rhex_no_letter		15	7	1	A		33	46	46	
c Rhex_no_letter		15	8	1	B		33	47	47	
c Rhex_no_letter		15	9	1	C		33	48	48	
c Rhex_no_letter		15	10	1	D		33	49	49	
c Rhex_no_letter		15	11	1	E		33	50	50	
c Rhex_no_letter		15	12	1	F		33	51	51	
c Rhex_no_letter		15	1	1	a		33	52	52	
c Rhex_no_letter		15	2	1	b		33	53	53	
c Rhex_no_letter		15	3	1	c		33	54	54	
c Rhex_no_letter		15	4	1	d		33	55	55	
c Rhex_no_letter		15	5	1	e		33	56	56	
c Rhex_no_letter		15	6	1	f		33	57	57	
t Ruhex		4	1	5	Rmhex_no *Rmhex_no*		3	34	59	
c Rmhex_no		9	1	1	Rhex_no		33	60	60	
c Rhex_no		13	1	1	Rhex_no_digit		33	61	61	
c Rhex_no		13	2	1	Rhex_no_letter		33	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 34 state type: ^{s}

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rmhex_no		9	2	1	|?|		34	35	35	
c Rhex_no_digit		14	1	1	0		34	36	36	
c Rhex_no_digit		14	2	1	1		34	37	37	
c Rhex_no_digit		14	3	1	2		34	38	38	
c Rhex_no_digit		14	4	1	3		34	39	39	
c Rhex_no_digit		14	5	1	4		34	40	40	

c	Rhex_no_digit	14	6	1	5	34	41	41	
c	Rhex_no_digit	14	7	1	6	34	42	42	
c	Rhex_no_digit	14	8	1	7	34	43	43	
c	Rhex_no_digit	14	9	1	8	34	44	44	
c	Rhex_no_digit	14	10	1	9	34	45	45	
c	Rhex_no_letter	15	7	1	A	34	46	46	
c	Rhex_no_letter	15	8	1	B	34	47	47	
c	Rhex_no_letter	15	9	1	C	34	48	48	
c	Rhex_no_letter	15	10	1	D	34	49	49	
c	Rhex_no_letter	15	11	1	E	34	50	50	
c	Rhex_no_letter	15	12	1	F	34	51	51	
c	Rhex_no_letter	15	1	1	a	34	52	52	
c	Rhex_no_letter	15	2	1	b	34	53	53	
c	Rhex_no_letter	15	3	1	c	34	54	54	
c	Rhex_no_letter	15	4	1	d	34	55	55	
c	Rhex_no_letter	15	5	1	e	34	56	56	
c	Rhex_no_letter	15	6	1	f	34	57	57	
t	Ruhex	4	1	6	Rmhex_no $\underline{Rcalc\_hex\_char^{\epsilon}}$	3	58	59	
c	Rmhex_no	9	1	1	Rhex_no	34	60	60	
c	Rhex_no	13	1	1	Rhex_no_digit	34	61	61	
c	Rhex_no	13	2	1	Rhex_no_letter	34	62	62	

$\Rightarrow$|?|

State: 35 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rmhex_no		9	2	2				34	0	35	5

$\Rightarrow^{0}$

State: 36 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	1	2				34	0	36	5

$\Rightarrow^{1}$

State: 37 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	2	2				34	0	37	5

$\Rightarrow^{2}$

State: 38 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	3	2				34	0	38	5

$\Rightarrow^{3}$

State: 39 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	4	2				34	0	39	5

$\Rightarrow^{4}$

State: 40 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	5	2				34	0	40	5

$\Rightarrow^{5}$

State: 41 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	6	2				34	0	41	5

$\Rightarrow^{6}$

State: 42 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA

t	Rhex_no_digit			14	7	2						34	0	42	5

$\Rightarrow^{7}$ State: 43 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	8	2				34	0	43	5

$\Rightarrow^{8}$ State: 44 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	9	2				34	0	44	5

$\Rightarrow^{9}$ State: 45 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_digit		14	10	2				34	0	45	5

$\Rightarrow^{A}$ State: 46 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	7	2				34	0	46	5

$\Rightarrow^{B}$ State: 47 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	8	2				34	0	47	5

$\Rightarrow^{C}$ State: 48 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	9	2				34	0	48	5

$\Rightarrow^{D}$ State: 49 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	10	2				34	0	49	5

$\Rightarrow^{E}$ State: 50 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	11	2				34	0	50	5

$\Rightarrow^{F}$ State: 51 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	12	2				34	0	51	5

$\Rightarrow^{a}$ State: 52 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	1	2				34	0	52	5

$\Rightarrow^{b}$ State: 53 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	2	2				34	0	53	5

$\Rightarrow^{c}$ State: 54 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	3	2				34	0	54	5

$\Rightarrow^{d}$ State: 55 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA

t	Rhex_no_letter		15	4	2				34	0	55	5

⇒^{e} State: 56 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	5	2				34	0	56	5

⇒^{f} State: 57 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no_letter		15	6	2				34	0	57	5

⇒$^{Rmhex\_no}$ State: 58 state type: $^{s/r}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rcalc_hex_char		10	1	1	ϵ			58	0	58	6
t	Ruhex		4	1	7	Rcalc_hex_char			3	59	59	

⇒$^{Rcalc\_hex\_char}$ State: 59 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Ruhex		4	1	8				3	0	59	6

⇒$^{Rhex\_no}$ State: 60 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rmhex_no		9	1	2				34	0	60	5

⇒$^{Rhex\_no\_digit}$ State: 61 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no		13	1	2				34	0	61	5

⇒$^{Rhex\_no\_letter}$ State: 62 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_no		13	2	2				34	0	62	5

⇒^{RU} State: 63 state type: ^{s}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|			63	35	35	
c	Rhex_no_digit		14	1	1	0			63	36	36	
c	Rhex_no_digit		14	2	1	1			63	37	37	
c	Rhex_no_digit		14	3	1	2			63	38	38	
c	Rhex_no_digit		14	4	1	3			63	39	39	
c	Rhex_no_digit		14	5	1	4			63	40	40	
c	Rhex_no_digit		14	6	1	5			63	41	41	
c	Rhex_no_digit		14	7	1	6			63	42	42	
c	Rhex_no_digit		14	8	1	7			63	43	43	
c	Rhex_no_digit		14	9	1	8			63	44	44	
c	Rhex_no_digit		14	10	1	9			63	45	45	
c	Rhex_no_letter		15	7	1	A			63	46	46	
c	Rhex_no_letter		15	8	1	B			63	47	47	
c	Rhex_no_letter		15	9	1	C			63	48	48	
c	Rhex_no_letter		15	10	1	D			63	49	49	
c	Rhex_no_letter		15	11	1	E			63	50	50	
c	Rhex_no_letter		15	12	1	F			63	51	51	
c	Rhex_no_letter		15	1	1	a			63	52	52	
c	Rhex_no_letter		15	2	1	b			63	53	53	

c Rhex_no_letter	15	3	1	c	63	54	54	
c Rhex_no_letter	15	4	1	d	63	55	55	
c Rhex_no_letter	15	5	1	e	63	56	56	
c Rhex_no_letter	15	6	1	f	63	57	57	
t RUhex	8	1	2	Rmhex_no *Rmhex_no*	3	64	75	
c Rmhex_no	9	1	1	Rhex_no	63	60	60	
c Rhex_no	13	1	1	Rhex_no_digit	63	61	61	
c Rhex_no	13	2	1	Rhex_no_letter	63	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 64 state type: ^{s}

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rmhex_no		9	2	1	|?|		64	35	35	
c Rhex_no_digit		14	1	1	0		64	36	36	
c Rhex_no_digit		14	2	1	1		64	37	37	
c Rhex_no_digit		14	3	1	2		64	38	38	
c Rhex_no_digit		14	4	1	3		64	39	39	
c Rhex_no_digit		14	5	1	4		64	40	40	
c Rhex_no_digit		14	6	1	5		64	41	41	
c Rhex_no_digit		14	7	1	6		64	42	42	
c Rhex_no_digit		14	8	1	7		64	43	43	
c Rhex_no_digit		14	9	1	8		64	44	44	
c Rhex_no_digit		14	10	1	9		64	45	45	
c Rhex_no_letter		15	7	1	A		64	46	46	
c Rhex_no_letter		15	8	1	B		64	47	47	
c Rhex_no_letter		15	9	1	C		64	48	48	
c Rhex_no_letter		15	10	1	D		64	49	49	
c Rhex_no_letter		15	11	1	E		64	50	50	
c Rhex_no_letter		15	12	1	F		64	51	51	
c Rhex_no_letter		15	1	1	a		64	52	52	
c Rhex_no_letter		15	2	1	b		64	53	53	
c Rhex_no_letter		15	3	1	c		64	54	54	
c Rhex_no_letter		15	4	1	d		64	55	55	
c Rhex_no_letter		15	5	1	e		64	56	56	
c Rhex_no_letter		15	6	1	f		64	57	57	
t RUhex		8	1	3	Rmhex_no *Rcalc_hex_char*$^{\epsilon}$ *Rmhex_no*		3	65	75	
c Rmhex_no		9	1	1	Rhex_no		64	60	60	
c Rhex_no		13	1	1	Rhex_no_digit		64	61	61	
c Rhex_no		13	2	1	Rhex_no_letter		64	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 65 state type: $^{s/r}$

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rcalc_hex_char		10	1	1	ϵ		65	0	65	4
t RUhex		8	1	4	Rcalc_hex_char *Rmhex_no*		3	66	75	

$\Rightarrow^{Rcalc\_hex\_char}$ State: 66 state type: ^{s}

← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c Rmhex_no		9	2	1	|?|		66	35	35	
c Rhex_no_digit		14	1	1	0		66	36	36	
c Rhex_no_digit		14	2	1	1		66	37	37	
c Rhex_no_digit		14	3	1	2		66	38	38	
c Rhex_no_digit		14	4	1	3		66	39	39	
c Rhex_no_digit		14	5	1	4		66	40	40	

c	Rhex_no_digit	14	6	1	5	66	41	41
c	Rhex_no_digit	14	7	1	6	66	42	42
c	Rhex_no_digit	14	8	1	7	66	43	43
c	Rhex_no_digit	14	9	1	8	66	44	44
c	Rhex_no_digit	14	10	1	9	66	45	45
c	Rhex_no_letter	15	7	1	A	66	46	46
c	Rhex_no_letter	15	8	1	B	66	47	47
c	Rhex_no_letter	15	9	1	C	66	48	48
c	Rhex_no_letter	15	10	1	D	66	49	49
c	Rhex_no_letter	15	11	1	E	66	50	50
c	Rhex_no_letter	15	12	1	F	66	51	51
c	Rhex_no_letter	15	1	1	a	66	52	52
c	Rhex_no_letter	15	2	1	b	66	53	53
c	Rhex_no_letter	15	3	1	c	66	54	54
c	Rhex_no_letter	15	4	1	d	66	55	55
c	Rhex_no_letter	15	5	1	e	66	56	56
c	Rhex_no_letter	15	6	1	f	66	57	57
t	RUhex	8	1	5	Rmhex_no *Rmhex_no*	3	67	75
c	Rmhex_no	9	1	1	Rhex_no	66	60	60
c	Rhex_no	13	1	1	Rhex_no_digit	66	61	61
c	Rhex_no	13	2	1	Rhex_no_letter	66	62	62

$\Rightarrow^{Rmhex\_no}$

State: 67 state type: ^{s}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|			67	35	35	
c	Rhex_no_digit		14	1	1	0			67	36	36	
c	Rhex_no_digit		14	2	1	1			67	37	37	
c	Rhex_no_digit		14	3	1	2			67	38	38	
c	Rhex_no_digit		14	4	1	3			67	39	39	
c	Rhex_no_digit		14	5	1	4			67	40	40	
c	Rhex_no_digit		14	6	1	5			67	41	41	
c	Rhex_no_digit		14	7	1	6			67	42	42	
c	Rhex_no_digit		14	8	1	7			67	43	43	
c	Rhex_no_digit		14	9	1	8			67	44	44	
c	Rhex_no_digit		14	10	1	9			67	45	45	
c	Rhex_no_letter		15	7	1	A			67	46	46	
c	Rhex_no_letter		15	8	1	B			67	47	47	
c	Rhex_no_letter		15	9	1	C			67	48	48	
c	Rhex_no_letter		15	10	1	D			67	49	49	
c	Rhex_no_letter		15	11	1	E			67	50	50	
c	Rhex_no_letter		15	12	1	F			67	51	51	
c	Rhex_no_letter		15	1	1	a			67	52	52	
c	Rhex_no_letter		15	2	1	b			67	53	53	
c	Rhex_no_letter		15	3	1	c			67	54	54	
c	Rhex_no_letter		15	4	1	d			67	55	55	
c	Rhex_no_letter		15	5	1	e			67	56	56	
c	Rhex_no_letter		15	6	1	f			67	57	57	
t	RUhex		8	1	6	Rmhex_no *Rcalc_hex_char*$^{\epsilon}$ *Rmhex_no*			3	68	75	
c	Rmhex_no		9	1	1	Rhex_no			67	60	60	
c	Rhex_no		13	1	1	Rhex_no_digit			67	61	61	
c	Rhex_no		13	2	1	Rhex_no_letter			67	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 68 state type: $^{s/r}$

	← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c	Rcalc_hex_char		10	1	1	ϵ		68	0	68	4
t	RUhex		8	1	7	Rcalc_hex_char *Rmhex_no*		3	69	75	

$\Rightarrow^{Rcalc\_hex\_char}$ State: 69 state type: ^{s}

	← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|		69	35	35	
c	Rhex_no_digit		14	1	1	0		69	36	36	
c	Rhex_no_digit		14	2	1	1		69	37	37	
c	Rhex_no_digit		14	3	1	2		69	38	38	
c	Rhex_no_digit		14	4	1	3		69	39	39	
c	Rhex_no_digit		14	5	1	4		69	40	40	
c	Rhex_no_digit		14	6	1	5		69	41	41	
c	Rhex_no_digit		14	7	1	6		69	42	42	
c	Rhex_no_digit		14	8	1	7		69	43	43	
c	Rhex_no_digit		14	9	1	8		69	44	44	
c	Rhex_no_digit		14	10	1	9		69	45	45	
c	Rhex_no_letter		15	7	1	A		69	46	46	
c	Rhex_no_letter		15	8	1	B		69	47	47	
c	Rhex_no_letter		15	9	1	C		69	48	48	
c	Rhex_no_letter		15	10	1	D		69	49	49	
c	Rhex_no_letter		15	11	1	E		69	50	50	
c	Rhex_no_letter		15	12	1	F		69	51	51	
c	Rhex_no_letter		15	1	1	a		69	52	52	
c	Rhex_no_letter		15	2	1	b		69	53	53	
c	Rhex_no_letter		15	3	1	c		69	54	54	
c	Rhex_no_letter		15	4	1	d		69	55	55	
c	Rhex_no_letter		15	5	1	e		69	56	56	
c	Rhex_no_letter		15	6	1	f		69	57	57	
t	RUhex		8	1	8	Rmhex_no *Rmhex_no*		3	70	75	
c	Rmhex_no		9	1	1	Rhex_no		69	60	60	
c	Rhex_no		13	1	1	Rhex_no_digit		69	61	61	
c	Rhex_no		13	2	1	Rhex_no_letter		69	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 70 state type: ^{s}

	← rule	→	R#	sr#	Po	← subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|		70	35	35	
c	Rhex_no_digit		14	1	1	0		70	36	36	
c	Rhex_no_digit		14	2	1	1		70	37	37	
c	Rhex_no_digit		14	3	1	2		70	38	38	
c	Rhex_no_digit		14	4	1	3		70	39	39	
c	Rhex_no_digit		14	5	1	4		70	40	40	
c	Rhex_no_digit		14	6	1	5		70	41	41	
c	Rhex_no_digit		14	7	1	6		70	42	42	
c	Rhex_no_digit		14	8	1	7		70	43	43	
c	Rhex_no_digit		14	9	1	8		70	44	44	
c	Rhex_no_digit		14	10	1	9		70	45	45	
c	Rhex_no_letter		15	7	1	A		70	46	46	
c	Rhex_no_letter		15	8	1	B		70	47	47	
c	Rhex_no_letter		15	9	1	C		70	48	48	

c	Rhex_no_letter	15	10	1	D	70	49	49	
c	Rhex_no_letter	15	11	1	E	70	50	50	
c	Rhex_no_letter	15	12	1	F	70	51	51	
c	Rhex_no_letter	15	1	1	a	70	52	52	
c	Rhex_no_letter	15	2	1	b	70	53	53	
c	Rhex_no_letter	15	3	1	c	70	54	54	
c	Rhex_no_letter	15	4	1	d	70	55	55	
c	Rhex_no_letter	15	5	1	e	70	56	56	
c	Rhex_no_letter	15	6	1	f	70	57	57	
t	RUhex	8	1	9	Rmhex_no *Rcalc_hex_char*$^{\epsilon}$ *Rmhex_no*	3	71	75	
c	Rmhex_no	9	1	1	Rhex_no	70	60	60	
c	Rhex_no	13	1	1	Rhex_no_digit	70	61	61	
c	Rhex_no	13	2	1	Rhex_no_letter	70	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 71 state type: $^{s/r}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rcalc_hex_char		10	1	1	ϵ			71	0	71	4
t	RUhex		8	1	10	Rcalc_hex_char *Rmhex_no*			3	72	75	

$\Rightarrow^{Rcalc\_hex\_char}$ State: 72 state type: ^{s}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|			72	35	35	
c	Rhex_no_digit		14	1	1	0			72	36	36	
c	Rhex_no_digit		14	2	1	1			72	37	37	
c	Rhex_no_digit		14	3	1	2			72	38	38	
c	Rhex_no_digit		14	4	1	3			72	39	39	
c	Rhex_no_digit		14	5	1	4			72	40	40	
c	Rhex_no_digit		14	6	1	5			72	41	41	
c	Rhex_no_digit		14	7	1	6			72	42	42	
c	Rhex_no_digit		14	8	1	7			72	43	43	
c	Rhex_no_digit		14	9	1	8			72	44	44	
c	Rhex_no_digit		14	10	1	9			72	45	45	
c	Rhex_no_letter		15	7	1	A			72	46	46	
c	Rhex_no_letter		15	8	1	B			72	47	47	
c	Rhex_no_letter		15	9	1	C			72	48	48	
c	Rhex_no_letter		15	10	1	D			72	49	49	
c	Rhex_no_letter		15	11	1	E			72	50	50	
c	Rhex_no_letter		15	12	1	F			72	51	51	
c	Rhex_no_letter		15	1	1	a			72	52	52	
c	Rhex_no_letter		15	2	1	b			72	53	53	
c	Rhex_no_letter		15	3	1	c			72	54	54	
c	Rhex_no_letter		15	4	1	d			72	55	55	
c	Rhex_no_letter		15	5	1	e			72	56	56	
c	Rhex_no_letter		15	6	1	f			72	57	57	
t	RUhex		8	1	11	Rmhex_no *Rmhex_no*			3	73	75	
c	Rmhex_no		9	1	1	Rhex_no			72	60	60	
c	Rhex_no		13	1	1	Rhex_no_digit			72	61	61	
c	Rhex_no		13	2	1	Rhex_no_letter			72	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 73 state type: ^{s}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|			73	35	35	

c	Rhex_no_digit	14	1	1	0	73	36	36	
c	Rhex_no_digit	14	2	1	1	73	37	37	
c	Rhex_no_digit	14	3	1	2	73	38	38	
c	Rhex_no_digit	14	4	1	3	73	39	39	
c	Rhex_no_digit	14	5	1	4	73	40	40	
c	Rhex_no_digit	14	6	1	5	73	41	41	
c	Rhex_no_digit	14	7	1	6	73	42	42	
c	Rhex_no_digit	14	8	1	7	73	43	43	
c	Rhex_no_digit	14	9	1	8	73	44	44	
c	Rhex_no_digit	14	10	1	9	73	45	45	
c	Rhex_no_letter	15	7	1	A	73	46	46	
c	Rhex_no_letter	15	8	1	B	73	47	47	
c	Rhex_no_letter	15	9	1	C	73	48	48	
c	Rhex_no_letter	15	10	1	D	73	49	49	
c	Rhex_no_letter	15	11	1	E	73	50	50	
c	Rhex_no_letter	15	12	1	F	73	51	51	
c	Rhex_no_letter	15	1	1	a	73	52	52	
c	Rhex_no_letter	15	2	1	b	73	53	53	
c	Rhex_no_letter	15	3	1	c	73	54	54	
c	Rhex_no_letter	15	4	1	d	73	55	55	
c	Rhex_no_letter	15	5	1	e	73	56	56	
c	Rhex_no_letter	15	6	1	f	73	57	57	
t	RUhex	8	1	12	Rmhex_no *Rcalc_hex_char*$^{\epsilon}$	3	74	75	
c	Rmhex_no	9	1	1	Rhex_no	73	60	60	
c	Rhex_no	13	1	1	Rhex_no_digit	73	61	61	
c	Rhex_no	13	2	1	Rhex_no_letter	73	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 74 state type: $^{s/r}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rcalc_hex_char		10	1	1	ϵ			74	0	74	6
t	RUhex		8	1	13	Rcalc_hex_char			3	75	75	

$\Rightarrow^{Rcalc\_hex\_char}$ State: 75 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	RUhex		8	1	14				3	0	75	6

$\Rightarrow^{Rx}$ State: 76 state type: ^{s}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
c	Rmhex_no		9	2	1	|?|			76	35	35	
c	Rhex_no_digit		14	1	1	0			76	36	36	
c	Rhex_no_digit		14	2	1	1			76	37	37	
c	Rhex_no_digit		14	3	1	2			76	38	38	
c	Rhex_no_digit		14	4	1	3			76	39	39	
c	Rhex_no_digit		14	5	1	4			76	40	40	
c	Rhex_no_digit		14	6	1	5			76	41	41	
c	Rhex_no_digit		14	7	1	6			76	42	42	
c	Rhex_no_digit		14	8	1	7			76	43	43	
c	Rhex_no_digit		14	9	1	8			76	44	44	
c	Rhex_no_digit		14	10	1	9			76	45	45	
c	Rhex_no_letter		15	7	1	A			76	46	46	
c	Rhex_no_letter		15	8	1	B			76	47	47	
c	Rhex_no_letter		15	9	1	C			76	48	48	

c	Rhex_no_letter	15	10	1	D	76	49	49	
c	Rhex_no_letter	15	11	1	E	76	50	50	
c	Rhex_no_letter	15	12	1	F	76	51	51	
c	Rhex_no_letter	15	1	1	a	76	52	52	
c	Rhex_no_letter	15	2	1	b	76	53	53	
c	Rhex_no_letter	15	3	1	c	76	54	54	
c	Rhex_no_letter	15	4	1	d	76	55	55	
c	Rhex_no_letter	15	5	1	e	76	56	56	
c	Rhex_no_letter	15	6	1	f	76	57	57	
c	Rhex_nos	12	1	1	Rmhex_no	76	77	77	
c	Rhex_nos	12	2	1	Rhex_nos *Rhex_no*	76	78	79	
t	Rhex	11	1	2	Rhex_nos	3	78	78	
c	Rmhex_no	9	1	1	Rhex_no	76	60	60	
c	Rhex_no	13	1	1	Rhex_no_digit	76	61	61	
c	Rhex_no	13	2	1	Rhex_no_letter	76	62	62	

$\Rightarrow^{Rmhex\_no}$ State: 77 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_nos		12	1	2				76	0	77	7

$\Rightarrow^{Rhex\_nos}$ State: 78 state type: $^{s/r}$

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex		11	1	3				3	0	78	6
c	Rhex_no_digit		14	1	1	0			78	36	36	
c	Rhex_no_digit		14	2	1	1			78	37	37	
c	Rhex_no_digit		14	3	1	2			78	38	38	
c	Rhex_no_digit		14	4	1	3			78	39	39	
c	Rhex_no_digit		14	5	1	4			78	40	40	
c	Rhex_no_digit		14	6	1	5			78	41	41	
c	Rhex_no_digit		14	7	1	6			78	42	42	
c	Rhex_no_digit		14	8	1	7			78	43	43	
c	Rhex_no_digit		14	9	1	8			78	44	44	
c	Rhex_no_digit		14	10	1	9			78	45	45	
c	Rhex_no_letter		15	7	1	A			78	46	46	
c	Rhex_no_letter		15	8	1	B			78	47	47	
c	Rhex_no_letter		15	9	1	C			78	48	48	
c	Rhex_no_letter		15	10	1	D			78	49	49	
c	Rhex_no_letter		15	11	1	E			78	50	50	
c	Rhex_no_letter		15	12	1	F			78	51	51	
c	Rhex_no_letter		15	1	1	a			78	52	52	
c	Rhex_no_letter		15	2	1	b			78	53	53	
c	Rhex_no_letter		15	3	1	c			78	54	54	
c	Rhex_no_letter		15	4	1	d			78	55	55	
c	Rhex_no_letter		15	5	1	e			78	56	56	
c	Rhex_no_letter		15	6	1	f			78	57	57	
t	Rhex_nos		12	2	2	Rhex_no			76	79	79	
c	Rhex_no		13	1	1	Rhex_no_digit			78	61	61	
c	Rhex_no		13	2	1	Rhex_no_letter			78	62	62	

$\Rightarrow^{Rhex\_no}$ State: 79 state type: ^{r}

←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Rhex_nos		12	2	3				76	0	79	7

⇒*RUhex*

State: 80 state type: *s*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	5	3	|.|			1	81	81	

⇒\|.\|

State: 81 state type: *r*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	5	4				1	0	81	2

⇒*Rhex*

State: 82 state type: *s*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	3	3	|.|			1	83	83	

⇒\|.\|

State: 83 state type: *r*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	3	4				1	0	83	2

⇒*Roctal*

State: 84 state type: *s*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	2	3	|.|			1	85	85	

⇒\|.\|

State: 85 state type: *r*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Resc_seq			1	2	4				1	0	85	2

⇒*Roctal_no*

State: 86 state type: *s/r*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal			16	1	2				3	0	86	6
c	Roctal_no			17	1	1	0			86	7	7	
c	Roctal_no			17	2	1	1			86	8	8	
c	Roctal_no			17	3	1	2			86	9	9	
c	Roctal_no			17	4	1	3			86	10	10	
c	Roctal_no			17	5	1	4			86	11	11	
c	Roctal_no			17	6	1	5			86	12	12	
c	Roctal_no			17	7	1	6			86	13	13	
c	Roctal_no			17	8	1	7			86	14	14	
t	Roctal			16	2	2	Roctal_no			3	87	87	
t	Roctal			16	3	2	Roctal_no	*Roctal_no*		3	87	88	

⇒*Roctal_no*

State: 87 state type: *s/r*

	←	rule	→	R#	sr#	Po	←	subrule element	→	Brn	Gto	Red	LA
t	Roctal			16	2	3				3	0	87	6
c	Roctal_no			17	1	1	0			87	7	7	
c	Roctal_no			17	2	1	1			87	8	8	
c	Roctal_no			17	3	1	2			87	9	9	
c	Roctal_no			17	4	1	3			87	10	10	
c	Roctal_no			17	5	1	4			87	11	11	
c	Roctal_no			17	6	1	5			87	12	12	
c	Roctal_no			17	7	1	6			87	13	13	
c	Roctal_no			17	8	1	7			87	14	14	
t	Roctal			16	3	3	Roctal_no			3	88	88	

$\Rightarrow^{Roctal\_no}$

←	rule	→	R#	sr#	Po	←
t	Roctal		16	3	4	

State: 88 state type: ^{r}

subrule element	→	Brn	Gto	Red	LA
		3	0	88	6

46. Index.

esc_seq Grammar

Date: January 2, 2015 at 15:35

File: esc_seq.lex Ns: NS_esc_seq

Version: 1.0 Debug: false

Grammar Comments: Type: Thread

C type escape sequence recognizer.

1 element(s) in Lookahead Expression below

eolr