

1. Copyright.

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2. *la_lrk_T* Thread.

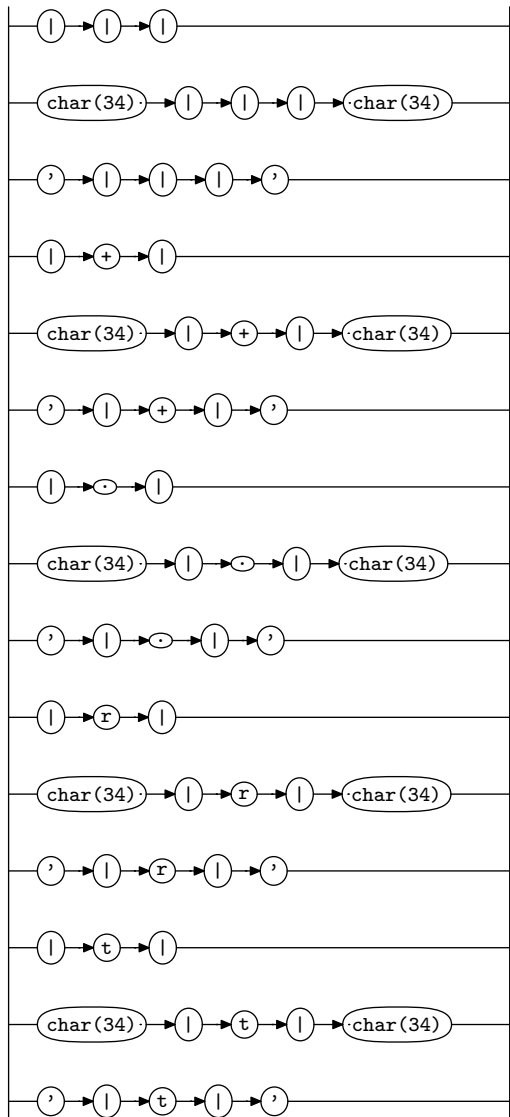
Recognize the meta terminals of LR K and returns them. These are passed backed to the calling grammar *la_expr_src*.

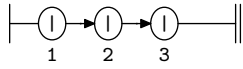
Added wolf in sheep's clothing: single and double quoted lrk strings. *la_expr_src* corrected to arbitrate on subset / superset: lrk string versus its general quoted string.

3. Fsm *Cla_lrk_T* class.

4. *Rla_lrk_T* rule.

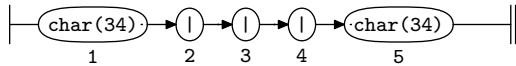
Rla_lrk_T



5. *Rla_lrk_T*'s subrule 1.

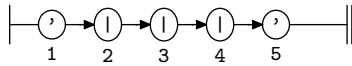
⟨Rla_lrk_T subrule 1 op directive 5⟩ ≡

```
CAbs_lr1_sym * sym = new LR1_parallel_operator;
sym->set_rc(*rule_info_.parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

6. *Rla_lrk_T*'s subrule 2.

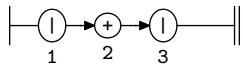
⟨Rla_lrk_T subrule 2 op directive 6⟩ ≡

```
CAbs_lr1_sym * sym = new LR1_parallel_operator;
sym->set_rc(*rule_info_.parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

7. *Rla_lrk_T*'s subrule 3.

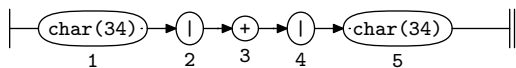
⟨Rla_lrk_T subrule 3 op directive 7⟩ ≡

```
CAbs_lr1_sym * sym = new LR1_parallel_operator;
sym->set_rc(*rule_info_.parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

8. *Rla_lrk_T*'s subrule 4.

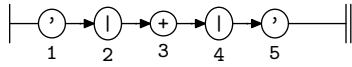
⟨Rla_lrk_T subrule 4 op directive 8⟩ ≡

```
CAbs_lr1_sym * sym = new LR1_all_shift_operator;
sym->set_rc(*rule_info_.parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

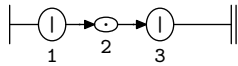
9. *Rla_lrk_T*'s subrule 5.

⟨Rla_lrk_T subrule 5 op directive 9⟩ ≡

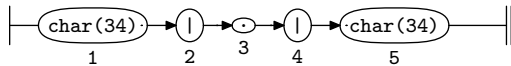
```
CAbs_lr1_sym * sym = new LR1_all_shift_operator;
sym->set_rc(*rule_info_.parser->start_token_, __FILE__, __LINE__);
RSVP(sym);
```

10. *Rla_lrk_T*'s subrule 6.

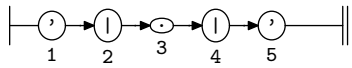
⟨Rla_lrk_T subrule 6 op directive 10⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_all_shift_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

11. *Rla_lrk_T*'s subrule 7.

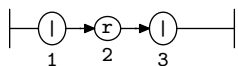
⟨Rla_lrk_T subrule 7 op directive 11⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_invisible_shift_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

12. *Rla_lrk_T*'s subrule 8.

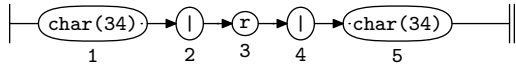
⟨Rla_lrk_T subrule 8 op directive 12⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_invisible_shift_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

13. *Rla_lrk_T*'s subrule 9.

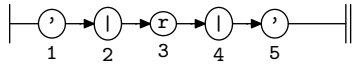
⟨Rla_lrk_T subrule 9 op directive 13⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_invisible_shift_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

14. *Rla_lrk_T*'s subrule 10.

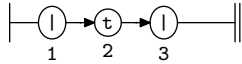
⟨Rla_lrk_T subrule 10 op directive 14⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_reduce_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

15. *Rla_lrk_T*'s subrule 11.

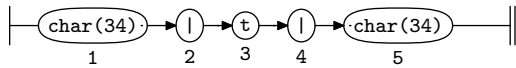
⟨Rla_lrk_T subrule 11 op directive 15⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_reduce_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

16. *Rla_lrk_T*'s subrule 12.

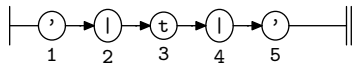
⟨Rla_lrk_T subrule 12 op directive 16⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_reduce_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

17. *Rla_lrk_T*'s subrule 13.

⟨Rla_lrk_T subrule 13 op directive 17⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_fset_transience_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

18. *Rla_lrk_T*'s subrule 14.

⟨Rla_lrk_T subrule 14 op directive 18⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_fset_transience_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

19. *Rla_lrk_T*'s subrule 15.

⟨Rla_lrk_T subrule 15 op directive 19⟩ ≡
CAbs_lr1_sym * *sym* = **new** *LR1_fset_transience_operator*;
sym→*set_rc*(**rule_info*→*parser*→*start_token*→, __FILE__, __LINE__);
RSVP(*sym*);

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

```
/*
  File: la_lrk_T.fsc
  Date and Time: Fri Jan  2 15:33:40 2015
*/
transitive      n
grammar-name    "la_lrk_T"
name-space     "NS_la_lrk_T"
thread-name     "TH_la_lrk_T"
monolithic     n
file-name      "la_lrk_T.fsc"
no-of-T        569
list-of-native-first-set-terminals 3
  raw_dbl_quote
  raw_right_quote
  raw_vertical_line
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
"Unquoted lookahead source symbol recognizer."
```

21. Lr1 State Network.

⇒

←	rule	→	R#	sr#	Po	←
c	Rla_lrk.T		1	8	1	"
c	Rla_lrk.T		1	2	1	"
c	Rla_lrk.T		1	5	1	"
c	Rla_lrk.T		1	11	1	"
c	Rla_lrk.T		1	14	1	"
c	Rla_lrk.T		1	3	1	'
c	Rla_lrk.T		1	9	1	'
c	Rla_lrk.T		1	12	1	'
c	Rla_lrk.T		1	6	1	'
c	Rla_lrk.T		1	15	1	'
c	Rla_lrk.T		1	1	1	
c	Rla_lrk.T		1	4	1	
c	Rla_lrk.T		1	7	1	
c	Rla_lrk.T		1	10	1	
c	Rla_lrk.T		1	13	1	

State: 1 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	2	9	
	1	2	18	
	1	2	6	
	1	2	12	
	1	2	15	
	1	19	35	
	1	19	26	
	1	19	29	
	1	19	23	
	1	19	32	
	1	36	46	
	1	36	38	
	1	36	40	
	1	36	42	
	1	36	44	

⇒"

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	8	2	
t	Rla_lrk.T		1	2	2	
t	Rla_lrk.T		1	5	2	
t	Rla_lrk.T		1	11	2	
t	Rla_lrk.T		1	14	2	

State: 2 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	3	9	
	1	3	18	
	1	3	6	
	1	3	12	
	1	3	15	

⇒|

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	5	3	+
t	Rla_lrk.T		1	8	3	.
t	Rla_lrk.T		1	11	3	r
t	Rla_lrk.T		1	14	3	t
t	Rla_lrk.T		1	2	3	

State: 3 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	4	6	
	1	7	9	
	1	10	12	
	1	13	15	
	1	16	18	

⇒+

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	5	4	

State: 4 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	5	6	

⇒|

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	5	5	"

State: 5 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	6	6	

⇒"

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	5	6	

State: 6 state type: ^r

subrule element

→	Brn	Gto	Red	LA
	1	0	6	1

⇒·

←	rule	→	R#	sr#	Po	←
t	Rla_lrk.T		1	8	4	

State: 7 state type: ^s

subrule element

→	Brn	Gto	Red	LA
	1	8	9	

⇒	← rule → R# sr# Po ← t Rla_lrk_T 1 8 5 "	State: 8 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 9 9
⇒"	← rule → R# sr# Po ← t Rla_lrk_T 1 8 6	State: 9 state type: <i>r</i> subrule element	→ Brn Gto Red LA 1 0 9 1
⇒ <i>r</i>	← rule → R# sr# Po ← t Rla_lrk_T 1 11 4	State: 10 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 11 12
⇒	← rule → R# sr# Po ← t Rla_lrk_T 1 11 5 "	State: 11 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 12 12
⇒"	← rule → R# sr# Po ← t Rla_lrk_T 1 11 6	State: 12 state type: <i>r</i> subrule element	→ Brn Gto Red LA 1 0 12 1
⇒ <i>t</i>	← rule → R# sr# Po ← t Rla_lrk_T 1 14 4	State: 13 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 14 15
⇒	← rule → R# sr# Po ← t Rla_lrk_T 1 14 5 "	State: 14 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 15 15
⇒"	← rule → R# sr# Po ← t Rla_lrk_T 1 14 6	State: 15 state type: <i>r</i> subrule element	→ Brn Gto Red LA 1 0 15 1
⇒	← rule → R# sr# Po ← t Rla_lrk_T 1 2 4	State: 16 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 17 18
⇒	← rule → R# sr# Po ← t Rla_lrk_T 1 2 5 "	State: 17 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 18 18
⇒"	← rule → R# sr# Po ← t Rla_lrk_T 1 2 6	State: 18 state type: <i>r</i> subrule element	→ Brn Gto Red LA 1 0 18 1
⇒'	← rule → R# sr# Po ← t Rla_lrk_T 1 3 2 t Rla_lrk_T 1 9 2 t Rla_lrk_T 1 12 2 t Rla_lrk_T 1 6 2 t Rla_lrk_T 1 15 2	State: 19 state type: <i>s</i> subrule element	→ Brn Gto Red LA 1 20 35 1 20 26 1 20 29 1 20 23 1 20 32

⇒	← rule → R# sr# Po ←	State: 20 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 6 3 +	subrule element	1 21 23
t Rla_lrk_T	1 9 3 .		1 24 26
t Rla_lrk_T	1 12 3 r		1 27 29
t Rla_lrk_T	1 15 3 t		1 30 32
t Rla_lrk_T	1 3 3		1 33 35
⇒+	← rule → R# sr# Po ←	State: 21 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 6 4	subrule element	1 22 23
⇒	← rule → R# sr# Po ←	State: 22 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 6 5 ,	subrule element	1 23 23
⇒'	← rule → R# sr# Po ←	State: 23 state type: ^r	→ Brn Gto Red LA
t Rla_lrk_T	1 6 6	subrule element	1 0 23 1
⇒·	← rule → R# sr# Po ←	State: 24 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 9 4	subrule element	1 25 26
⇒	← rule → R# sr# Po ←	State: 25 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 9 5 ,	subrule element	1 26 26
⇒'	← rule → R# sr# Po ←	State: 26 state type: ^r	→ Brn Gto Red LA
t Rla_lrk_T	1 9 6	subrule element	1 0 26 1
⇒ ^r	← rule → R# sr# Po ←	State: 27 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 12 4	subrule element	1 28 29
⇒	← rule → R# sr# Po ←	State: 28 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 12 5 ,	subrule element	1 29 29
⇒'	← rule → R# sr# Po ←	State: 29 state type: ^r	→ Brn Gto Red LA
t Rla_lrk_T	1 12 6	subrule element	1 0 29 1
⇒ ^t	← rule → R# sr# Po ←	State: 30 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 15 4	subrule element	1 31 32
⇒	← rule → R# sr# Po ←	State: 31 state type: ^s	→ Brn Gto Red LA
t Rla_lrk_T	1 15 5 ,	subrule element	1 32 32

⇒'			State: 32 state type: <i>r</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 15 6		1 0 32 1	
⇒			State: 33 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 3 4		1 34 35	
⇒			State: 34 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 3 5 ' ,		1 35 35	
⇒'			State: 35 state type: <i>r</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 3 6		1 0 35 1	
⇒			State: 36 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 4 2 +		1 37 38	
t Rla_lrk_T	1 7 2 .		1 39 40	
t Rla_lrk_T	1 10 2 r		1 41 42	
t Rla_lrk_T	1 13 2 t		1 43 44	
t Rla_lrk_T	1 1 2		1 45 46	
⇒+			State: 37 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 4 3		1 38 38	
⇒			State: 38 state type: <i>r</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 4 4		1 0 38 1	
⇒.			State: 39 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 7 3		1 40 40	
⇒			State: 40 state type: <i>r</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 7 4		1 0 40 1	
⇒ ^r			State: 41 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 10 3		1 42 42	
⇒			State: 42 state type: <i>r</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 10 4		1 0 42 1	
⇒ ^t			State: 43 state type: <i>s</i>	
← rule	→ R# sr# Po ←	subrule element	→ Brn Gto Red LA	
t Rla_lrk_T	1 13 3		1 44 44	

⇒|
 ← rule → R# sr# Po ←
 t Rla_lrk.T 1 13 4

State: 44 state type: *r*
 subrule element

→ Brn Gto Red LA
 1 0 44 1

⇒|
 ← rule → R# sr# Po ←
 t Rla_lrk.T 1 1 3 |

State: 45 state type: *s*
 subrule element

→ Brn Gto Red LA
 1 46 46

⇒|
 ← rule → R# sr# Po ←
 t Rla_lrk.T 1 1 4

State: 46 state type: *r*
 subrule element

→ Brn Gto Red LA
 1 0 46 1

22. Index.

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17, 18, 19.

⟨ Rla_lrk_T subrule 1 op directive 5 ⟩
⟨ Rla_lrk_T subrule 10 op directive 14 ⟩
⟨ Rla_lrk_T subrule 11 op directive 15 ⟩
⟨ Rla_lrk_T subrule 12 op directive 16 ⟩
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⟨ Rla_lrk_T subrule 2 op directive 6 ⟩
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⟨ Rla_lrk_T subrule 8 op directive 12 ⟩
⟨ Rla_lrk_T subrule 9 op directive 13 ⟩

la_lrk_T Grammar

Date: January 2, 2015 at 15:36

File: la_lrk_T.lex

Ns: NS_la_lrk_T

Version: 1.0

Debug: false

Grammar Comments:

Type: Thread

Unquoted lookahead source symbol recognizer.

1 element(s) in Lookahead Expression below

eolr

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<i>Rla_lrk_T</i> 's subrule 3	7	3
<i>Rla_lrk_T</i> 's subrule 4	8	3
<i>Rla_lrk_T</i> 's subrule 5	9	3
<i>Rla_lrk_T</i> 's subrule 6	10	4
<i>Rla_lrk_T</i> 's subrule 7	11	4
<i>Rla_lrk_T</i> 's subrule 8	12	4
<i>Rla_lrk_T</i> 's subrule 9	13	4
<i>Rla_lrk_T</i> 's subrule 10	14	4
<i>Rla_lrk_T</i> 's subrule 11	15	5
<i>Rla_lrk_T</i> 's subrule 12	16	5
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