

Lark Options	
parser="earley"	Earley - default
parser="lalr"	LALR(1)
parser="cyk"	CYK
lexer="standard"	Revert to simple lexer
ambiguity='explicit'	Return all derivations for Earley
start="foo"	Set starting rule
transformer=...	Apply transformer to tree (for LALR)
propagate_positions	Fill tree instances with line number information
keep_all_tokens	Don't remove unnamed terminals
postlex	Provide a wrapper for the lexer
tree_class	Provide an alternative for Tree

Tree Reference	
tree.data	Rule name
tree.children	Rule matches
print(tree.pretty())	
tree.iter_subtrees()	
tree.find_data("foo")	Find by rule
tree.find_pred(...)	Find by predicate
tree1 == tree2	

Token Reference	
token.type	Terminal name
token.value	Matched text
token.line	
token.column	
token.end_line	
token.end_column	
len(token)	
Tokens inherit from <code>str</code> , so all string operations are valid (such as <code>token.upper()</code>).	

Grammar Definitions	
rule: ...	Define a rule
TERM: ...	Define a terminal
rule.n: ...	Rule with priority n
TERM.n: ...	Terminal with priority n
// text	Comment
%ignore ...	Ignore terminal in input
%import ...	Import terminal from file
%declare TERM	Declare a terminal without a pattern (used for postlex)

Rules consist of values, other rules and terminals.
Terminals only consist of values and other terminals.

Grammar Patterns	
foo bar	Match sequence
(foo bar)	Group together (for operations)
foo bar	Match one or the other

Grammar Patterns (cont)	
foo?	Match 0 or 1 instances
[foo bar]	Match 0 or 1 instances
foo*	Match 0 or more instances
foo+	Match 1 or more instances
foo~3	Match exactly 3 instances
foo~3..5	Match between 3 to 5 instances

Terminal Atoms	
"string"	String to match
"string"i	Case-insensitive string
/regexp/	Regular Expression
/re/imslux	Regular Expression with flags
"a".. "z"	Literal range

Tree Shaping	
rule: "foo" BAR	"foo" will be filtered out
!rule: "foo" BAR	"foo" will be kept
rule: /foo/ BAR	/foo/ will be kept
_TERM	Filter out this terminal
_rule	Always inline this rule
?rule: ...	Inline if matched 1 child
foo bar -> alias	Create alias

Rules are a branch (node) in the resulting tree, and its children are its matches, in the order of matching.

Terminals (tokens) are always values in the tree, never branches.

Inlining rules means removing their branch and replacing it with their children.

