

Core Namespace

for core version 0.0.2

Sequences

findl-if <i>fn sequence</i>	sequence search left
findr-if <i>fn sequence</i>	sequence search right
foldl <i>fn T sequence</i>	sequence fold left
foldr <i>fn T sequence</i>	sequence fold right
length <i>sequence</i>	length of sequence
sv-list <i>sequence</i>	coerce vector to list
positionl <i>T sequence</i>	sequence position left
positionr <i>T sequence</i>	sequence position right

Exceptions

::break <i>T exception</i>	break loop commands
assert <i>fn T string</i>	raise exception or return T
break <i>exception</i>	enter break loop
check-type <i>type T string</i>	raise exception or return T
error <i>T string</i>	raise exception
print-except <i>exception stream-designator escape</i>	print exception
warn <i>T string</i>	print warning, return T

Macros

::macroexpand-1 <i>T</i>	expand macro form once
macro-function <i>fn</i>	macro expander function
macroexpand	expand macro completely

Special Forms

defconst <i>symbol T</i>	define constant symbol
defmacro <i>symbol list . body</i>	define macro expander
defun <i>symbol list . body</i>	define function
if <i>T T' [T'']</i>	conditional, optional third argument
capture-env <i>T</i>	capture lexical env
arg ignored	arg ignored
lambda <i>list . body</i>	lambda definition

Streams

::stream-designator <i>T</i>	map designator to stream
load <i>string bool bool</i>	load file <i>verbose print</i>

Lists

assoc <i>T list</i>	association list lookup
copy <i>list</i>	copy list
reverse <i>list</i>	reverse list
dropl <i>list fixnum</i>	drop from left
dropr <i>list fixnum</i>	drop from right
mapc <i>fn list</i>	apply fn to list cars
mapcar <i>fn list</i>	new list from list cars
mapl <i>fn list</i>	apply fn to list cdrs
maplist <i>fn list</i>	list from list cdrs

Core

version	version string
eval <i>T</i>	evaluate form
funcall <i>fn list</i>	apply list to fn
identity <i>T</i>	return T
1+ <i>fixnum</i>	<i>fixnum</i> + 1
1- <i>fixnum</i>	<i>fixnum</i> - 1

Compiler

compile <i>T</i>	compile form
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Reader

read <i>stream-designator eof</i>	read form from stream
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Predicates

consp <i>T</i>	cons type
charp <i>T</i>	char type
exceptionp <i>T</i>	exception type
fixnump <i>T</i>	fixnum type
floatp <i>T</i>	float type
functionp <i>T</i>	function type
listp <i>T</i>	cons or nil
namespacep <i>T</i>	namespace type
null <i>T</i>	is nil
sequencep <i>T</i>	list or vector
streamp <i>T</i>	stream type
stringp <i>T</i>	string type
symbolp <i>T</i>	symbol type
vectorp <i>T</i>	vector type
zerop <i>T</i>	zero fixnum

Strings

schar <i>vector fixnum</i>	char from string at index
string <i>char symbol</i>	convert char or symbol name to string
string-append <i>string string'</i>	append string and string'
string-length <i>string</i>	length of string
string= <i>string string'</i>	strings eql
substr <i>string fx fx'</i>	start, end substring