

MP attributes backends **bit32** blobs boolean
buffers builders caches **callback** callbacks
catcodes characters chemistry commands
containers context converters **coroutine**
ctxrunner **debug** dir directives document
documentdata environment **epdf** experiments ffi
figures **file** floats **font** **fontloader** fonts
functions global graphics **gzip** img
interactions interfaces **io** job **lang** languages
layouts **lfs** libraries lmx logs lpdf **lpeg** **ltn12**
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noads **node** nodes number objects **os** **package**
pagebuilders parametersets **pdf** pdfscanner
physics **profiler** publications regimes
resolvers sandbox scripts set **socket** sorters
statistics **status** storage streams **string**
structures **table** **tex** texconditionals **texconfig**
texconstants texifs **texio** texisdefined
texmodes texsystemmodes thirddata tokens
tracers trackers typesetters **unicode** url
userdata utilities vf visualizers xml **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

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blobs	table	getvpos	function
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builders	table	gzip	table
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callbacks	table	interactions	table
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environment	table	ltn12	table
epdf	table	lua	table
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mathematics	table	setinspector	function
mbox	table	setmetatable	function
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module	function	status	table
moduledata	table	storage	table
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mp	function	string	table
mplib	table	structures	table
next	function	swiglib	function
noads	table	table	table
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nodes	table	texconditionals	data table
number	table	texconfig	table
objects	table	texconstants	data table
optionalrequire	function	texifs	data table
os	table	texio	table
package	table	texisdefined	function
pagebuilders	table	texmodes	data table
pairs	function	texsystemmodes	data table
parametersets	table	thirddata	table
pcall	function	toboolean	function
pdf	table	tokens	table
pdfboolean	function	tonumber	function
pdfnull	function	tostring	function
pdfreference	function	tracers	table
pdfscanner	table	trackers	table
pdfverbose	function	type	function
physics	table	typesetters	table
print	function	unicode	table
profiler	table	unpack	function
publications	table	url	table
rawequal	function	userdata	table
rawget	function	utf	table
rawlen	function	utilities	table
rawset	function	v	number
regimes	table	vf	table
require	function	visualizers	table
resolvers	table	xml	table
sandbox	table	xpcall	function
scripts	table	zip	table
select	function	zlib	table
set	table		

attributes (context)

colorintents table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- D counts
- B couple
- F currentmodel
- F currentnamedmodel
- D data
- N default
- F defineintermediatecolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F getpagecolormodel
- F gray
- F graytohsv
- F handler
- F hsvtorgay
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model

- D models
- F mpcolor
- F mpnamedcolor
- F mpoptions
- F namedcolorattributes
- U none
- F popset
- F processcolorcomponents
- F pushset
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbtocmyk
- F rgbtorgay
- F rgbtohsv
- N selector
- F setlist
- F setmodel
- F setpagecolormodel
- D sets
- F spec
- F spot
- F spotcolorname
- F spotcolorparent
- F spotcolorvalue
- B supported
- F transparencycomponents
- B triggering
- F usecolors
- D valid
- F value
- D values
- B weightgray

define

effects

function

table

- N attribute
- D data
- F enable
- F handler
- F register

D registered		N hardlight	
D values		N hue	
handlers	table	N lighten	
list	data table	N luminosity	
names	data table	N multiply	
negatives	table	N none	
N attribute		N normal	
D data		N overlay	
F enable		N saturation	
F handler		N screen	
F register		N softlight	
D registered		U none	
F set		F register	
numbers	data table	D registered	
ofnode	function	B supported	
private	function	B triggering	
public	function	F value	
restore	function	D values	
save	function	unsetvalue	number
showcurrent	function	viewerlayers	table
states	table	N attribute	
F disabletriggering		F cleanup	
F enabletriggering		D data	
F finalize		F define	
F initialize		F definedlayoutcomponent	
F process		F enable	
F selective		F forcesupport	
F stacked		F handler	
F stacker		B hasorder	
system	function	D listwise	
transparencies	table	F register	
N attribute		D registered	
D data		F resolve_begin	
F enable		F resolve_end	
F forcesupport		F resolve_reset	
F handler		F resolve_step	
T names		D scopes	
N color		F setfeatures	
N colorburn		F start	
N colordodge		F stop	
N darken		B supported	
N difference		D values	
N exclusion			

backends (context)

codeinjections table

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

T codeinjections
F gethpos
F getmatrix
F getpos
F getvpos
F hasmatrix
T nodeinjections
T registrations
D tables

included table

B context
B date
B id
B metadata
B pdf

install function

nodeinjections table

F restore
F save
F transform

nothing function

pdf table

T codeinjections
F addbookmarks
F attachmentid
F clonefield
F definefield
F definefieldset
F defineviewerlayer
F embedfile
F enabletags
F exportformdata
F getbookmarks
F getdefaultfieldvalue
F getfieldcategory

F getfieldset
F getformatoption
F gethpos
F getmatrix
F getoutputfilename
F getpos
F getpreviewfigure
F getvpos
F hasmatrix
F insertrenderingwindow
F mergebookmarks
F mergereferences
F mergeviewerlayers
F prerollreference
F presetsymbol
F presetsymbollist
F processrendering
F registerdocumentcloseaction
F registerdocumentopenaction
F registeredsymbol
F registerpagecloseaction
F registerpageopenaction
F registersymbol
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F startunicodetoactualtext
F startunicodetoactualtextdirect
F stoplayer
F stopunicodetoactualtext
F stopunicodetoactualtextdirect
F supportedformats
F unicodetoactualtext

F useviewerlayer	F reference	
F validfield	F rgbcolor	
F validfieldcategory	F spotcolor	
F validfieldset	F startlayer	
S comment	F startstackedlayer	
T nodeinjections	F stoplayer	
F addtags	F stopstackedlayer	
F annotation	F transparency	
F attachfile	F typesetfield	
F changestackedlayer	T registrations	
F cmykcolor	F cmykindexcolor	
F comment	F cmykspotcolor	
F destination	F getspotcolorreference	
F effect	F grayindexcolor	
F graycolor	F grayspotcolor	
F injectbitmap	F rgbindexcolor	
F insertmovie	F rgbspotcolor	
F insertsound	F spotcolorname	
F insertswf	F transparency	
F insertu3d	T tables	
F knockout	D vfspecials	
F negative	registrations	table
F overprint	tables	table
F positive	timestamp	function

bit32 (basic lua)

arshift function

band function

bnot function

bor function

btest function

bxor function

extract function

lrotate function

lshift function

replace function

rrotate function

rshift function

blobs (context)

append	function
dimensions	function
dispose	function
new	function
pack	function
strdp	function
strhd	function

strht	function
strwd	function
tohpack	function
tonodes	function
tovpack	function
write	function

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function	F define	
assign	function	F hassomecontent	
collectcontent	function	F next	
erase	function	F place	
exists	function	F reset	
getcontent	function	F save	
getlines	function	prepend	function
loadcontent	function	raw	function
parallel	table	undent	function

builders (context)

kernel table

- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist
- T originals
 - F hyphenate
 - F kerning
 - F ligaturing

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F hpack
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- T expansion
 - F trace
- F kepttogether
- F registertogether
- T solutions
 - T splitters
 - F define
 - F optimize

- T registered
- F reset
- F set
- F split
- F start
- F stop
- F tag

profiling table

- F add
- F distance
- F fixedprofile
- F get
- F list
- F pagehandler
- F profilebox
- F set

vspacing table

- F analyze
- D categories
- F collapsevbox
- T data
 - D map
 - D skip
 - D snapmethods
- F definesnapmethod
- B fixed
- F pagehandler
- F resetprevdepth
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

cache (context)

ask	boolean	is_writable	function
base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	relocate	boolean
defaults	table	savecontent	function
define	function	savedata	function
direct	boolean	setfirstwritablefile	function
force	boolean	setluanames	function
getfirstreadablefile	function	tree	string
getreadablepaths	function	treehash	function
getwritablepath	function	usedpaths	function
hashed	function		

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

freeze	function
known	function
list	data table
pop	function

push	function
register	function
report	function

catcodes (context)

names data table

numbers data table

register function

characters (context)

activeoffset	number	lhash	data table
adobename	function	linebreaks	table
bidirectional	data table	S ai	
blockrange	function	S al	
blocks	data table	S b2	
casemap	table	S ba	
categories	data table	S bb	
category	function	S bk	
categorytags	data table	S cb	
classifiers	table	S cj	
collapsed	data table	S cl	
contextname	function	S cm	
csletters	data table	S cp	
data	data table	S cr	
decomposed	data table	S eb	
description	function	S em	
descriptions	data table	S ex	
detailltags	data table	S gl	
directions	table	S h2	
encodes	data table	S h3	
entities	data table	S hl	
fallbacks	data table	S hy	
filters	data table	S id	
fractions	table	S in	
fromnumber	function	S is	
fschars	data table	S jl	
fscodes	data table	S jt	
getrange	function	S jv	
graphemes	data table	S lf	
hangul	data table	S nl	
initialize	function	S ns	
is_character	data table	S nu	
is_command	data table	S op	
is_letter	data table	S po	
is_mark	data table	S pr	
is_punctuation	data table	S qu	
is_spacing	data table	S ri	
lcchars	data table	S sa	
lccode	function	S sg	
lccodes	data table	S sp	
lettered	function	S sy	

S wj		splits	table
S xx		T char	
S zw		T compat	
S zwj		subscripts	table
lower	function	superscripts	table
math	table	synonyms	data table
mathpairs	data table	tex	table
mirrors	table	D accentmapping	
otfscripts	data table	D commandmapping	
ranges	data table	F defineaccents	
registerentities	function	F safechar	
remap_hangul_syllable	function	F toutf	
setactivecatcodes	function	F toutfpattern	
setlettercatcodes	function	textclasses	table
shape	function	tonumber	function
shaped	function	ucchars	data table
shash	data table	uccode	function
shchars	data table	uccodes	data table
shcodes	data table	uhash	data table
showstring	function	unicodechar	function
specialchars	data table	upper	function
specials	data table		

chemistry (context)

component	function
define	function
definitions	data table
format	string
inlinechemical	function
instance	string
method	string

molecule	function
moleculeparser	userdata
start	function
stop	function
structures	number
undefine	function

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function	isleapyear	function
A:es	function	lchexnumber	function
AK	function	lchexnumbers	function
Alphabetic	function	leapyear	function
Alphabetic:es	function	lower	function
Character	function	max	function
Characters	function	maxchrs	function
I	function	minute	function
KA	function	month	function
KR	function	nicenumber	function
R	function	nofdays	function
RK	function	number	function
Romannumerals	function	numbers	function
Sloviannumerals	function	octnumber	function
Spanishnumerals	function	octstringtonumber	function
Word	function	ordinal	function
Words	function	r	function
a	function	rawcharacter	function
a:es	function	romannumerals	function
abjadnodotnumerals	function	second	function
abjadnumerals	function	sequences	data table
alphabetic	function	settime	function
alphabetic:es	function	sloviannumerals	function
character	function	spanishnumerals	function
characters	function	textime	function
chineseallnumerals	function	toabjad	function
chinesecapnumerals	function	tochinese	function
chinesenumerals	function	toroman	function
chr	function	totime	function
chrs	function	uchexnumber	function
cn	function	uchexnumbers	function
cn-a	function	upper	function
cn-c	function	verbose	table
convert	function	D data	
decimals	function	F translate	
define	function	weekday	function
hexstringtonumber	function	word	function
hour	function	words	function
i	function	year	function

coroutine (basic lua)

create function
resume function
running function

status function
wrap function
yield function

ctxrunner (context)

load	function	prepfiles	data table
preparedfile	function	resolve	function

debug (basic lua)

debug	function
gethook	function
getinfo	function
getlocal	function
getmetatable	function
getregistry	function
getupvalue	function
getuservalue	function

sethook	function
setlocal	function
setmetatable	function
setupvalue	function
setuservalue	function
traceback	function
upvalueid	function
upvaluejoin	function

dir (context)

collectpattern	function
current	function
expandname	function
found	function
glob	function
globdirs	function
globfiles	function

globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

data	data table	name	string
default	function	register	function
disable	function	report	function
done	table	reset	function
enable	function	show	function
list	function	value	function

document (context)

arguments	data table		D modes	
files	table		D modules	
functions	table	setargument		function
getargument	function	setcommandline		function
getfilename	function	setdefaultargument		function
options	table	setenvironments		function
T commandline		setfilename		function
D environments		setfilenames		function
D modes		setmodes		function
D modules		setmodules		function
T ctxfile		variables		data table
D environments				

environment (context)

argument	function	loadluafile	function
arguments	data table	luafile	function
basicengines	data table	luafilechunk	function
currentrun	number	maxnofruns	number
default_texmfcnf	string	originalarguments	data table
definefilefallback	function	outputfilename	string
definefilesynonym	function	ownbin	string
engineflags	data table	ownmain	string
filename	string	ownname	string
files	table	ownpath	string
filesynonyms	data table	prerollrun	boolean
forcedruns	number	rawarguments	data table
getargument	function	reconstructcommandline	function
homedir	string	relativepath	function
initex	boolean	setargument	function
initializearguments	function	splitarguments	function
initializefilenames	function	suffix	string
inputfilebarename	string	texfile	function
inputfilename	string	texmfos	string
inputfilesuffix	string	texos	string
jobfilefullname	string	texroot	string
jobfilename	string	truefilename	function
jobfilesuffix	string	uselua module	function
jobname	string	usemodules	function
kindofrun	number	validengines	data table
loadexamodes	function	version	string

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function

PDFRectangle function
StructElement_Type function
open overloaded function
openMemStream function
type function

experiments (context)

data	data table
default	function
disable	function
enable	function
list	function
name	string

register	function
report	function
reset	function
show	function
value	function

figures (context)

applyratio	function	F ofindex	
badname	function	F package	
bases	data table	F print	
bitmapimage	function	F scan	
boxnumber	number	F serialize	
cachepaths	data table	F totable	
check	function	F types	
checkers	data table	F write	
converters	data table	include	function
current	function	includes	data table
defaultdepth	number	initialize	function
defaultheight	number	loaded	data table
defaultsearch	boolean	localpaths	data table
defaultwidth	number	magics	data table
done	function	mergegoodies	function
dummy	function	nofprocessed	number
exists	data table	order	data table
exists	function	paths	data table
formats	data table	patterns	data table
found	data table	pop	function
get	function	preferquality	boolean
getrealpage	function	programs	data table
guess	function	push	function
hash	function	registerpattern	function
identifiers	data table	registerresource	function
identify	function	registersuffix	function
images	table	resources	data table
F boxes		scale	function
F check		set	function
F checksize		setlookups	function
F clone		setmemstream	function
F copy		setorder	function
F immediatewrite		setpaths	function
F keys		suffixes	data table
F new		used	data table
F node			

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
copy	function
dirname	function
expandname	function
extname	function
is_qualified_path	function
is_readable	function
is_rootbased_path	function
is_writable	function
isreadable	function
iswritable	function
join	function
joinpath	function
loadchecksum	function
nameonly	function
nametotable	function
needs Updating	function

needsupdating	function
pathpart	function
readdata	function
removesuffix	function
replacesuffix	function
reslash	function
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
strip	function
suffix	function
suffixes	function
suffixesonly	function
suffixonly	function
syncmtimes	function

floats (context)

analysemethod	function	nofstacked	function
checkedpagefloat	function	pop	function
collect	function	push	function
consult	function	resave	function
flush	function	save	function
getvariable	function	stacked	function
hasstacked	function		

font (basic tex)

current	function	id	function
define	function	max	function
each	function	nextid	function
fonts	table	read_tfm	function
frozen	function	read_vf	function
getfont	overloaded function	setfont	overloaded function

fontloader (extra tex)

apply_afmfile	function	info	overloaded function
apply_featurefile	function	open	overloaded function
close	function	to_table	function
fields	function	totable	function
fullinfo	function		

fonts (context)

analyzers

table

T features

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N med2

N medi

N pref

N pstf

N rphf

D initializers

D methods

F setstate

T states

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N mark

N med2

N medi

N pref

N pstf

N rest

N rphf

B useunicodemarks

checkers

table

F getmissing

F missing

F placeholder

cid

table

F getmap

F loadfile

collections

table

F checkenabled

F clonevector

F define

T definitions

F found

F prepare

F process

F registermain

F report

F reset

T vectors

constructors

table

F addcoreunicodes

F aftercopyingcharacters

F applymanipulators

F assignmathparameters

B autocleanup

F beforecopyingcharacters

D cache

B cacheintex

F calculatyscale

F checkedfeatures

F checkedfilename

F checkvirtualids

F cleanupable

F collectprocessors

F currentfonthasfeature

D designsizes

D dontembed

F enhanceparameters

T enhancers

T afm

F apply

F patch

T patches

F register

F register

T otf

F addfeature

F apply

F enhance

F patch	F alternate
T patches	F chainposition
F register	F chainsubstitution
F register	F kern
T tfm	F ligature
F apply	F multiple
F patch	F pair
T patches	F substitution
F register	F register
F register	S stepkey
N factor	F dataset
T features	S defaultbasealternate
D afm	S defaultnodealternate
D otf	D features
D tfm	F featuresprocessor
F finalize	F getactualtext
F getfeatureaction	F getalternate
T handlers	F getgsub
T afm	F getkern
B autoprefixed	F getmultiple
D cache	F getsubstitution
D features	T handlers
F getkern	F devanagari_remove_joiners
T helpdata	F devanagari_reorder_matras
D bothkerned	F devanagari_reorder_pre_base_reordering_consonants
D leftkerned	F devanagari_reorder_reph
D ligatures	F gpos_context
D rightkerned	F gpos_contextchain
D texligatures	F gpos_cursive
F load	F gpos_mark2base
T readers	F gpos_mark2ligature
F getinfo	F gpos_mark2mark
F loadfont	F gpos_pair
F loadshapes	F gpos_single
F setfeatures	F gsub_alternate
B syncspace	F gsub_context
N version	F gsub_contextchain
T otf	F gsub_ligature
F addfeature	F gsub_multiple
F basemodeinitializer	F gsub_reversecontextchain
D cache	F gsub_single
F collectlookups	F trigger_space_kerns
T coverup	T helpers
T actions	F pardirstate

F txdirstate	F read2dot14
F load	F readbyte
F modeinitializer	F readbytes
F nodemodeinitializer	F readcardinal
D pdfcache	F readcardinal1
T plugins	F readcardinal2
T readers	F readcardinal2le
F addunicodetable	F readcardinal3
F cff	F readcardinal3le
F checkhash	F readcardinal4
F cmap	F readcardinal4le
F colr	F readchar
F compact	F readfixed4
F cpal	F readinteger
F expand	F readinteger1
F extend	F readinteger2
F gdef	F readinteger2le
F getcomponents	F readinteger3
F getinfo	F readinteger3le
F glyf	F readinteger4
F gpos	F readinteger4le
F gsub	F readstring
F head	F readtag
F hhea	F setposition
F hmtx	F size
F kern	F skip
F loadfont	F skiplong
F loadshapes	F skipshort
F loca	F writebyte
F math	F writecardinal2
F maxp	F writecardinal4
F name	F writestring
F os/2	F svg
F pack	N tableversion
F parsecharstrings	F unifymissing
F post	F unpack
F registerextender	F vhea
F rehash	F vmtx
T streamreader	F vorg
F close	F woff2otf
F getposition	F registerpalette
F getsizes	F registerplugin
F look	F scriptandlanguage
F open	F setdynamics

F setfeatures	T descriptions
T statistics	T parameters
D usedfeatures	S ascender
T svg	S descender
F filterglyph	S designsize
F storepdfdata	T expansion
F topdf	S auto
D svgcache	S shrink
B svgenabled	S step
T tables	S stretch
D baselines	S extendfactor
D features	S factor
D featuretypes	S hfactor
D languages	S mathsize
D scripts	T protrusion
N version	S auto
T pfb	S quad
F loadvector	S scaledpoints
T tfm	S scriptpercentage
F addtounicode	S scriptscriptpercentage
D features	S size
N maxnestingdepth	S slantfactor
N maxnestingsize	S slantperpoint
F reencode	T spacing
F setfeatures	S extra
N version	S shrink
T vf	S stretch
T combinations	S width
F combine	S units
T combiner	S vfactor
D commands	S xheight
D helpers	T properties
D math	S autoitalicamount
D predefined	S cidinfo
N version	S embedding
D whatever	S encodingbytes
F hashfeatures	S filename
F hashinstance	S finalized
T hashmethods	S fontname
F normal	S format
F virtual	S fullname
F initializefeatures	S hasitalics
T keys	S hasmath
T characters	S mathitalics

S mode		D variants	
S name		F read	
S noglyphnames		F register	
S nostackmath		F registered	
S psname		F registersplit	
S textitalics		F resetnullfont	
S virtualized		F resolve	
D loadedfonts		T resolvers	
S namemode		F file	
N noffontsloaded		F name	
N nofsharedfonts		F spec	
N nofsharedhashes		definetypface	function
N nofsharedvectors		encodings	table
N privateoffset		T agl	
D privateslots		D ctxcodes	
F readanddefine		D extras	
F registerfeature		D names	
F resetfeature		T synonyms	
B resolvevirtualtoo		N Acyrillic	
F scale		N Becyrillic	
F scaled		N Cdot	
F setfactor		N Checyrillic	
F setfeature		N Decyrillic	
F setname		N Djecyrillic	
B sharefonts		N Dzecyrillic	
F trytosharefont		N Dzhecyrillic	
N version		N Ecyrillic	
current	function	N Edot	
currentid	function	N Efcyrillic	
definers	table	N Elcyrillic	
F addlookup		N Emcyrillic	
F analyze		N Encyrillic	
F applypostprocessors		N Ercyrillic	
F checkedmode		N Ereversedcyrillic	
F checkedscript		N Escyrillic	
F current		N Fitacyrillic	
S defaultlookup		N Gcedilla	
F define		N Gdot	
F getspecification		N Gecyrillic	
F internal		N Ghepturncyrillic	
F loadfont		N Gjecyrillic	
F makespecification		N Hardsigncyrillic	
T methods		N IAcyrillic	
F install		N IUcyrillic	

N Icyrillic	N afii57700
N Idot	N afii57705
N Iecyrillic	N afii57723
N Iicyrillic	N alef
N Iishortcyrillic	N alefmaksurainitialarabic
N Iocyrillic	N alefmaksuramedialarabic
N Izhitsacyrillic	N approximatelyequal
N Jecyrillic	N asteriskaltonearabic
N Kacyrillic	N ayin
N Kcedilla	N bet
N Khacyrillic	N betdagesh
N Kjecyrillic	N blackdownpointingtriangle
N Lcedilla	N blackleftpointingpointer
N Ljecyrillic	N blackrectangle
N Ncedilla	N blackrightpointingpointer
N Njecyrillic	N blacksmilingface
N Ocyrillic	N blacksquare
N Odblacute	N blackuppointingtriangle
N Ohm	N bulletinverse
N Pecyrillic	N cdot
N Rcedilla	N compass
N Shacyrillic	N dagesh
N Shhacyrillic	N dalet
N Softsigncyrillic	N daletdagesh
N Tcedilla	N dalethatafpatah
N Tecyrillic	N dalethatafpatahhebrew
N Tsecyrillic	N dalethatafsegol
N Tshacyrillic	N dalethatafsegolhebrew
N Ucyrillic	N dalethebrew
N Udblacute	N dalethiriq
N Ushortcyrillic	N dalethiriqhebrew
N Vecyrillic	N daletholam
N Yatcyrillic	N daletholamhebrew
N Yericyrillic	N daletpatah
N Yicyrillic	N daletpatahhebrew
N Zdot	N daletqamats
N Zecyrillic	N daletqamatshebrew
N Zhecyrillic	N daletqubuts
N acutecmb	N daletqubutshebrew
N acyrillic	N daletsegol
N afii00208	N daletsegolhebrew
N afii08941	N daletsheva
N afii57694	N daletshevahebrew
N afii57695	N dalettsere

N dammaarabic	N hatafpatah16
N dammatanaltonearabic	N hatafpatah23
N dargahebrew	N hatafpatah2f
N dbllowline	N hatafpatahhebrew
N decimalseparatorarabic	N hatafpatahnarrowhebrew
N dialytikatonos	N hatafpatahquarterhebrew
N dotbelowcmb	N hatafqamats
N doubleyodpatah	N hatafqamats1b
N doubleyodpatahhebrew	N hatafqamats28
N edot	N hatafqamats34
N eightarabic	N hatafqamatshebrew
N eighthnotebeamed	N hatafqamatsnarrowhebrew
N etnahtafoukhhebrew	N hatafqamatsquarterhebrew
N etnahtafoukhlefthebrew	N hatafsegol
N etnahtahebrew	N hatafsegol17
N fathaarabic	N hatafsegol24
N finalkaf	N hatafsegol30
N finalkafdagesh	N hatafsegolhebrew
N finalkafhebrew	N hatafsegolnarrowhebrew
N finalkafqamats	N hatafsegolquarterhebrew
N finalkafqamatshebrew	N he
N finalkafsheva	N hedagesh
N finalmem	N hehfinalalttwoarabic
N finalnun	N het
N finalpe	N hiriq
N finaltsadi	N hiriq14
N fivearabic	N hiriq21
N forall	N hiriq2d
N fourarabic	N hiriqhebrew
N gcedilla	N hiriqnarrowhebrew
N gdot	N hiriqquarterhebrew
N gimel	N holam
N gimeldagesh	N holam19
N gravecmb	N holam26
N haaltonearabic	N holam32
N hamzaarabic	N holamhebrew
N hamzadammaarabic	N holamnarrowhebrew
N hamzadammatanarabic	N holamquarterhebrew
N hamzafathaarabic	N ilde
N hamzafathatanarabic	N integralbottom
N hamzalowarabic	N integraltop
N hamzalowkasraarabic	N kaf
N hamzalowkasratanarabic	N kafdagesh
N hatafpatah	N kashidaautoarabic

N kashidaautosidebearingarabic
 N kcedilla
 N lamed
 N lameddagesh
 N lamedhebrew
 N lamedholam
 N lamedholamdagesh
 N lamedholamdageshhebrew
 N laminitialarabic
 N lammeemjeeminitialarabic
 N lcedilla
 N logicalnotreversed
 N mahapakhebrew
 N mem
 N memdagesh
 N merkhahebrew
 N merkhakefulahebrew
 N middot
 N munahhebrew
 N nbspace
 N ncedilla
 N newsheqelsign
 N ninearabic
 N noonhehinitialarabic
 N nun
 N nundagesh
 N odblacute
 N onearabic
 N overscore
 N patah
 N patah1l
 N patah1d
 N patah2a
 N patahhebrew
 N patahnarrowhebrew
 N patahquarterhebrew
 N pe
 N pedagesh
 N qamats
 N qamats10
 N qamats1a
 N qamats1c
 N qamats27
 N qamats29

N qamats33
 N qamatsde
 N qamatshebrew
 N qamatsnarrowhebrew
 N qamatsqatanhebrew
 N qamatsqatanarrowhebrew
 N qamatsqatanquarterhebrew
 N qamatsqatanwidehebrew
 N qamatsquarterhebrew
 N qof
 N qofdagesh
 N qofhatafpatah
 N qofhatafpatahhebrew
 N qofhatafsegol
 N qofhatafsegolhebrew
 N qofhebrew
 N qofhiriq
 N qofhiriqhebrew
 N qofholam
 N qofholamhebrew
 N qofpatah
 N qofpatahhebrew
 N qofqamats
 N qofqamatshebrew
 N qofqubuts
 N qofqubutshebrew
 N qofsegol
 N qofsegolhebrew
 N qofsheva
 N qofshevahebrew
 N qoftsere
 N qubuts
 N qubuts18
 N qubuts25
 N qubuts31
 N qubutshebrew
 N qubutsnarrowhebrew
 N qubutsquarterhebrew
 N quoteleftreversed
 N rafe
 N rcedilla
 N reharabic
 N resh
 N reshhatafpatah

N reshatafpatahhebrew
 N reshhatafsegol
 N reshhatafsegolhebrew
 N reshhebrew
 N reshhiriq
 N reshhiriqhebrew
 N reshholam
 N reshholamhebrew
 N reshpatah
 N reshpatahhebrew
 N reshqamats
 N reshqamatshebrew
 N reshqubuts
 N reshqubutshebrew
 N reshsegol
 N reshsegolhebrew
 N reshsheva
 N reshshevahebrew
 N reshtsere
 N reviahebrew
 N samekh
 N samekhdagesh
 N segol
 N segol13
 N segol1f
 N segol2c
 N segolhebrew
 N segolnarrowhebrew
 N segolquarterhebrew
 N sevenarabic
 N sfthyphen
 N shaddaarabic
 N sheqel
 N sheva
 N sheva15
 N sheva15
 N sheva22
 N sheva2e
 N shevahebrew
 N shevanarrowhebrew
 N shevaquarterhebrew
 N shin
 N shindagesh
 N shindageshshindot

N shindageshshindot
 N shinshindot
 N shinsindot
 N siluqhebrew
 N sixarabic
 N tav
 N tavadages
 N tavadagesh
 N tcedilla
 N tchehinitialarabic
 N tet
 N tetdagesh
 N tevirhebrew
 N thousandsseparatorarabic
 N threearabic
 N tildecmb
 N tipehahebrew
 N tsadi
 N tsadidagesh
 N tsere
 N tsere12
 N tsere1e
 N tsere2b
 N tserehebrew
 N tserenarrowhebrew
 N tserequarterhebrew
 N twoarabic
 N udblacute
 N vav
 N vavdagesh
 N vavdagesh65
 N vavholam
 N yerahbenyomohebrew
 N yod
 N yoddagesh
 N zayin
 N zayindagesh
 N zdot
 N zeroarabic
 D unicodes
 D cache
 T ctxcodes
 N AEacute
 N AEligature

N AEmacron	N Dzcaronligature
N Aacute	N Dzligature
N Abreve	N Eacute
N Abreveacute	N Ebreve
N Abrevedotbelow	N Ecaron
N Abrevegrave	N Ecedilla
N Abrevehook	N Ecircumflex
N Abrevetilde	N Ecircumflexacute
N Acaron	N Ecircumflexdotbelow
N Acircumflex	N Ecircumflexgrave
N Acircumflexacute	N Ecircumflexhook
N Acircumflexdotbelow	N Ecircumflextilde
N Acircumflexgrave	N Ediaeresis
N Acircumflexhook	N Edotaccent
N Acircumflextilde	N Edotbelow
N Adiaeresis	N Edoublegrave
N Adiaeresismacron	N Egrave
N Adotaccent	N Ehook
N Adotaccentmacron	N Einvertedbreve
N Adotbelow	N Emacron
N Adoublegrave	N Egonek
N Agrave	N Eth
N Ahook	N Etilde
N Ainvertedbreve	N Fhook
N Amacron	N Gacute
N Agonek	N Gbreve
N Aring	N Gcaron
N Aringacute	N Gcircumflex
N Astroke	N Gcommaaccent
N Atilde	N Gdotaccent
N Bhook	N Ghook
N Cacute	N Gstroke
N Ccaron	N Hcaron
N Ccedilla	N Hcircumflex
N Ccircumflex	N Hstroke
N Cdotaccent	N IJligature
N Chook	N Iacute
N Cstroke	N Ibreve
N DZcaronligature	N Icaron
N DZligature	N Icircumflex
N Dafrican	N Idiaeresis
N Dcaron	N Idotaccent
N Dhook	N Idotbelow
N Dstroke	N Idoublegrave

N Igrave
N Ihook
N Iinvertedbreve
N Imacron
N Iogonek
N Istroke
N Itilde
N Jcircumflex
N Kcaron
N Kcommaaccent
N Khook
N LJligature
N Lacute
N Lbar
N Lcaron
N Lcommaaccent
N Ldotmiddle
N Ljligature
N Lstroke
N NJligature
N Nacute
N Ncaron
N Ncommaaccent
N Neng
N Ngrave
N Njligature
N Ntilde
N OEligature
N Oacute
N Obreve
N Ocaron
N Ocircumflex
N Ocircumflexacute
N Ocircumflexdotbelow
N Ocircumflexgrave
N Ocircumflexhook
N Ocircumflextilde
N Odiaeresis
N Odiaeresismacron
N Odotaccent
N Odotaccentmacron
N Odotbelow
N Odoublegrave
N Ograve

N Ohook
N Ohorn
N Ohornacute
N Ohorndotbelow
N Ohorngrave
N Ohornhook
N Ohorntilde
N Ohungarumlaut
N Oinvertedbreve
N Omacron
N Oogonek
N Oogonekmacron
N Ostroke
N Ostrokeacute
N Otilde
N Otildemacron
N Phook
N Racute
N Rcaron
N Rcommaaccent
N Rdoublegrave
N Rinvertedbreve
N Sacute
N Scaron
N Scedilla
N Schwa
N Scircumflex
N Scommaaccent
N Tcaron
N Tcedilla
N Tcommaaccent
N Thook
N Thorn
N Tstroke
N Uacute
N Ubreve
N Ucaron
N Ucircumflex
N Udiaeresis
N Udiaeresisacute
N Udiaeresiscaron
N Udiaeresisgrave
N Udiaeresismacron
N Udotbelow

N Udoublegrave	N adiaeresismacron
N Ugrave	N adotaccent
N Uhook	N adotaccentmacron
N Uhorn	N adotbelow
N Uhornacute	N adoublegrave
N Uhorndotbelow	N aeacute
N Uhorngrave	N aeligature
N Uhornhook	N aemacron
N Uhorntilde	N agrave
N Uhungarumlaut	N ahook
N Uinvertedbreve	N ainvertedbreve
N Umacron	N amacron
N Uogonek	N aogonek
N Uring	N aring
N Utilde	N aringacute
N Wcircumflex	N atilde
N Yacute	N bhook
N Ycircumflex	N breakablethinspace
N Ydiaeresis	N bstroke
N Ydotbelow	N cacute
N Ygrave	N carriagereturn
N Yhook	N ccaron
N Ymacron	N ccedilla
N Ytilde	N ccircumflex
N Zacute	N ccurl
N Zcaron	N cdotaccent
N Zdotaccent	N chook
N Zhook	N copyright
N Zstroke	N cstroke
N aacute	N cyrillicA
N abreve	N cyrillicAE
N abreveacute	N cyrillicAbreve
N abrevedotbelow	N cyrillicAdiaeresis
N abrevegrave	N cyrillicB
N abrevehook	N cyrillicBIGYUS
N abrevetilde	N cyrillicBIGYUSiotified
N acaron	N cyrillicC
N acircumflex	N cyrillicCH
N acircumflexacute	N cyrillicCHEDC
N acircumflexdotbelow	N cyrillicCHEDCabkhasian
N acircumflexgrave	N cyrillicCHEabkhasian
N acircumflexhook	N cyrillicCHEdiaeresis
N acircumflextilde	N cyrillicCHEkhakassian
N adiaeresis	N cyrillicCHEvertstroke

N cyrillicD	N cyrillicKAbashkir
N cyrillicDASIAPNEUMATA	N cyrillicKAhook
N cyrillicDJE	N cyrillicKAstroke
N cyrillicDZE	N cyrillicKAvertstroke
N cyrillicDZEabkhasian	N cyrillicKJE
N cyrillicDZHE	N cyrillicKOPPA
N cyrillicE	N cyrillicKSI
N cyrillicELtail	N cyrillicL
N cyrillicEMtail	N cyrillicLITTLEYUS
N cyrillicENDC	N cyrillicLITTLEYUSiotified
N cyrillicENGHE	N cyrillicLJE
N cyrillicENhook	N cyrillicM
N cyrillicENTail	N cyrillicN
N cyrillicEREV	N cyrillicNJE
N cyrillicERY	N cyrillicO
N cyrillicERTick	N cyrillicOMEGA
N cyrillicEbreve	N cyrillicOMEGARound
N cyrillicEdiaeresis	N cyrillicOMEGAtitlo
N cyrillicEgrave	N cyrillicOT
N cyrillicEiotified	N cyrillicObarred
N cyrillicF	N cyrillicObarreddiaeresis
N cyrillicFITA	N cyrillicOdiaeresis
N cyrillicG	N cyrillicP
N cyrillicGHEmidhook	N cyrillicPALATALIZATION
N cyrillicGHEstroke	N cyrillicPALOCHKA
N cyrillicGHEupturn	N cyrillicPEmidhook
N cyrillicGJE	N cyrillicPSI
N cyrillicH	N cyrillicPSILIPNEUMATA
N cyrillicHA	N cyrillicR
N cyrillicHADC	N cyrillicS
N cyrillicHRDSN	N cyrillicSCHWA
N cyrillicI	N cyrillicSCHWAdiaeresis
N cyrillicIE	N cyrillicSDSC
N cyrillicII	N cyrillicSEMISOFT
N cyrillicISHRT	N cyrillicSFTSN
N cyrillicISHRTtail	N cyrillicSH
N cyrillicIZHITSA	N cyrillicSHCH
N cyrillicIZHITSAdoublegrave	N cyrillicSHHA
N cyrillicIdiaeresis	N cyrillicT
N cyrillicIgrave	N cyrillicTEDC
N cyrillicImacron	N cyrillicTETSE
N cyrillicJE	N cyrillicTITLO
N cyrillicK	N cyrillicTSHE
N cyrillicKADC	N cyrillicU

N cyrillicUK	N cyrillicgrave
N cyrillicUSHRT	N cyrillicieiotified
N cyrillicUdiaeresis	N cyrilliceltail
N cyrillicUdoubleacute	N cyrillicemtail
N cyrillicUmacron	N cyrillicendc
N cyrillicV	N cyrillicenghe
N cyrillicYA	N cyrillicenhook
N cyrillicYAT	N cyrillicentail
N cyrillicYERUdiaeresis	N cyrillicerev
N cyrillicYI	N cyrillicertick
N cyrillicY0	N cyrillicery
N cyrillicYU	N cyrillicf
N cyrillicYstr	N cyrillicfita
N cyrillicYstrstroke	N cyrillicg
N cyrillicZ	N cyrillicghemidhook
N cyrillicZDSC	N cyrillicghestroke
N cyrillicZEdiaeresis	N cyrillicgheupturn
N cyrillicZH	N cyrillicgje
N cyrillicZHEbreve	N cyrillich
N cyrillicZHEdescender	N cyrillicha
N cyrillicZHEdiaeresis	N cyrillichadc
N cyrillica	N cyrillichrdsn
N cyrillicabreve	N cyrillici
N cyrillicadiaeresis	N cyrillicidiaeresis
N cyrillicae	N cyrillicie
N cyrillicb	N cyrillicigrave
N cyrillicbigyus	N cyrillicii
N cyrillicbigyusiotified	N cyrillicimacron
N cyrillicc	N cyrillicishrt
N cyrillicch	N cyrillicishrttail
N cyrilliccheabkhasian	N cyrillicizhitsa
N cyrillicchedc	N cyrillicizhitsadoublegrave
N cyrillicchedcabkhasian	N cyrillicje
N cyrillicchediaeresis	N cyrillick
N cyrillicchekhakassian	N cyrillickabashkir
N cyrillicchevertstroke	N cyrillickadc
N cyrillicd	N cyrillickahook
N cyrillicdje	N cyrillickastroke
N cyrillicdze	N cyrillickavertstroke
N cyrillicdzeabkhasian	N cyrillickje
N cyrillicdzhe	N cyrillickoppa
N cyrillice	N cyrillicksi
N cyrillicebreve	N cyrillicl
N cyrillicediaeresis	N cyrilliclittleyus

N cyrilliclittleyusiotified
N cyrilliclje
N cyrillicm
N cyrillicn
N cyrillicnje
N cyrillico
N cyrillicobarred
N cyrillicobarreddiaeresis
N cyrillicodiaeresis
N cyrillicomega
N cyrillicomegaround
N cyrillicomegatitlo
N cyrillicot
N cyrillicp
N cyrillicpemidhook
N cyrillicpsi
N cyrillicr
N cyrillics
N cyrillicschwa
N cyrillicschwadiaeresis
N cyrillicsdsc
N cyrillicsemisoft
N cyrillicsftsn
N cyrillicsh
N cyrillicshch
N cyrillicshha
N cyrillict
N cyrillictedc
N cyrillictetse
N cyrillictshe
N cyrillicu
N cyrillicudiaeresis
N cyrillicudoubleacute
N cyrillicuk
N cyrillicumacron
N cyrillicushrt
N cyrillicv
N cyrillicya
N cyrillicyat
N cyrillicyerudiaeresis
N cyrillicyi
N cyrillicyo
N cyrillicystr
N cyrillicystrstroke

N cyrillicyu
N cyrillicz
N cyrilliczdsc
N cyrilliczediaeresis
N cyrilliczh
N cyrilliczhebreve
N cyrilliczhedescender
N cyrilliczhediaeresis
N dcaron
N dcurl
N dhook
N dotlessI
N dotlessJ
N dotlessi
N dotlessj
N dotlessjstroke
N dstroke
N dtail
N dzcaronligature
N dzligature
N eacute
N ebreve
N ecaron
N ecedilla
N ecircumflex
N ecircumflexacute
N ecircumflexdotbelow
N ecircumflexgrave
N ecircumflexhook
N ecircumflextilde
N ediaeresis
N edotaccent
N edotbelow
N edoublegrave
N egrave
N ehook
N einvertedbreve
N emacron
N emdash
N emspace
N endash
N enspace
N eogonek
N etilde

N exclamdown	N greekEpsilon
N ffligature	N greekEpsilonondasia
N ffligature	N greekEpsilonondasiatonos
N ffligature	N greekEpsilonondasiavaria
N fhook	N greekEpsilonpsili
N figurespace	N greekEpsilonpsilitonos
N filigature	N greekEpsilonpsilivaria
N fiveeighths	N greekEpsilontonos
N fivesixths	N greekEpsilonvaria
N flligature	N greekEta
N fourfifths	N greekEtadasia
N fourperemspace	N greekEtadasiaaperispomeni
N gacute	N greekEtadasiatonos
N gbreve	N greekEtadasiaavaria
N gcaron	N greekEtaiotasub
N gcircumflex	N greekEtaiotasubdasia
N gcommaaccent	N greekEtaiotasubdasiaperispomeni
N gdotaccent	N greekEtaiotasubdasiatonos
N greekAlpha	N greekEtaiotasubdasiavaria
N greekAlphadasia	N greekEtaiotasubpsili
N greekAlphadasiaaperispomeni	N greekEtaiotasubpsiliperispomeni
N greekAlphadasiatonos	N greekEtaiotasubpsilitonos
N greekAlphadasiaavaria	N greekEtaiotasubpsilivaria
N greekAlphaiotasub	N greekEtaptsili
N greekAlphaiotasubdasia	N greekEtaptsiliperispomeni
N greekAlphaiotasubdasiaperispomeni	N greekEtaptsilitonos
N greekAlphaiotasubdasiatonos	N greekEtaptsilivaria
N greekAlphaiotasubdasiavaria	N greekEtatonos
N greekAlphaiotasubpsili	N greekEtavaria
N greekAlphaiotasubpsiliperispomeni	N greekGamma
N greekAlphaiotasubpsilitonos	N greekIota
N greekAlphaiotasubpsilivaria	N greekIotadasia
N greekAlphamacron	N greekIotadasiaaperispomeni
N greekAlphapsili	N greekIotadasiatonos
N greekAlphapsiliperispomeni	N greekIotadasiaavaria
N greekAlphapsilitonos	N greekIotadialytika
N greekAlphapsilivaria	N greekIotamacron
N greekAlphatonos	N greekIotapsili
N greekAlphavaria	N greekIotapsiliperispomeni
N greekAlphavrachy	N greekIotapsilitonos
N greekBeta	N greekIotapsilivaria
N greekChi	N greekIotatonos
N greekCoronis	N greekIotavaria
N greekDelta	N greekIotavrachy

N greekKappa	N greekUpsilondasiaperispomeni
N greekLambda	N greekUpsilondasiatonos
N greekMu	N greekUpsilondasiavaria
N greekNu	N greekUpsilondialytika
N greekOmega	N greekUpsilonmacron
N greekOmegadasia	N greekUpsilonontonos
N greekOmegadasiaaperispomeni	N greekUpsilonvaria
N greekOmegadasiatonos	N greekUpsilonvrachy
N greekOmegadasiaavaria	N greekXi
N greekOmegaiotasub	N greekZeta
N greekOmegaiotasubdasia	N greekalpha
N greekOmegaiotasubdasiaperispomeni	N greekalphadasia
N greekOmegaiotasubdasiatonos	N greekalphadasiaaperispomeni
N greekOmegaiotasubdasiavaria	N greekalphadasiatonos
N greekOmegaiotasubpsili	N greekalphadasiaavaria
N greekOmegaiotasubpsiliperispomeni	N greekalphaiotasub
N greekOmegaiotasubpsilitonos	N greekalphaiotasubdasia
N greekOmegaiotasubpsilivaria	N greekalphaiotasubdasiaperispomeni
N greekOmegapsili	N greekalphaiotasubdasiatonos
N greekOmegapsiliperispomeni	N greekalphaiotasubdasiavaria
N greekOmegapsilitonos	N greekalphaiotasubperispomeni
N greekOmegapsilivaria	N greekalphaiotasubpsili
N greekOmegatonos	N greekalphaiotasubpsiliperispomeni
N greekOmegavaria	N greekalphaiotasubpsilitonos
N greekOmicron	N greekalphaiotasubpsilivaria
N greekOmicrondasia	N greekalphaiotasubtonos
N greekOmicrondasiatonos	N greekalphaiotasubvaria
N greekOmicrondasiavaria	N greekalphamacron
N greekOmicronpsili	N greekalphaoxia
N greekOmicronpsilitonos	N greekalphaperispomeni
N greekOmicronpsilivaria	N greekalphapsili
N greekOmicrontonos	N greekalphapsiliperispomeni
N greekOmicronvaria	N greekalphapsilitonos
N greekPhi	N greekalphapsilivaria
N greekPi	N greekalphatonos
N greekPsi	N greekalphavaria
N greekRho	N greekalphavrachy
N greekRhodasia	N greekbeta
N greekSigma	N greekchi
N greekSigmaunate	N greekdasia
N greekTau	N greekdasiaperispomeni
N greekTheta	N greekdasiatonos
N greekUpsilon	N greekdasiavaria
N greekUpsilondasia	N greekdelta

N greekdialytikaperispomeni
N greekdialytikatonos
N greekdialytikavaria
N greekdigamma
N greekepsilon
N greekepsilonalt
N greekepsilondasia
N greekepsilondasiatonos
N greekepsilondasiavaria
N greekepsilonoxia
N greekepsilonpsili
N greekepsilonpsilitonos
N greekepsilonpsilivaria
N greekepsilontonos
N greekepsilonvaria
N greeketa
N greeketadasia
N greeketadasiaaperispomeni
N greeketadasiatonos
N greeketadasiaavaria
N greeketaiotasub
N greeketaiotasubdasia
N greeketaiotasubdasiaperispomeni
N greeketaiotasubdasiatonos
N greeketaiotasubdasiavaria
N greeketaiotasubperispomeni
N greeketaiotasubpsili
N greeketaiotasubpsiliperispomeni
N greeketaiotasubpsilitonos
N greeketaiotasubpsilivaria
N greeketaiotasubtonos
N greeketaiotasubvaria
N greeketaoxia
N greeketaperispomeni
N greeketapsili
N greeketapsiliperispomeni
N greeketapsilitonos
N greeketapsilivaria
N greeketatonos
N greeketavaria
N greekfinalsigma
N greekgamma
N greekiota
N greekiotadasia

N greekiotadasiaaperispomeni
N greekiotadasiatonos
N greekiotadasiaavaria
N greekiotadialytika
N greekiotadialytikaperispomeni
N greekiotadialytikatonos
N greekiotadialytikavaria
N greekiotamacron
N greekiotaoxia
N greekiotaperispomeni
N greekiotapsili
N greekiotapsiliperispomeni
N greekiotapsilitonos
N greekiotapsilivaria
N greekiotatonos
N greekiotavaria
N greekiotavrachy
N greekkappa
N greekkoppa
N greeklambda
N greekmu
N greeknu
N greeknumkoppa
N greekomega
N greekomegadasia
N greekomegadasiaaperispomeni
N greekomegadasiatonos
N greekomegadasiaavaria
N greekomegaiotasub
N greekomegaiotasubdasia
N greekomegaiotasubdasiaperispomeni
N greekomegaiotasubdasiatonos
N greekomegaiotasubdasiavaria
N greekomegaiotasubperispomeni
N greekomegaiotasubpsili
N greekomegaiotasubpsiliperispomeni
N greekomegaiotasubpsilitonos
N greekomegaiotasubpsilivaria
N greekomegaiotasubtonos
N greekomegaiotasubvaria
N greekomegaoxia
N greekomegaperispomeni
N greekomegapsili
N greekomegapsiliperispomeni

N greekomegapsilitonos	N greekupsilondialytikaperispomeni
N greekomegapsilivaria	N greekupsilondialytikatonos
N greekomegatonos	N greekupsilondialytikavaria
N greekomegavaria	N greekupsilonmacron
N greekomicron	N greekupsilonoxia
N greekomicrondasia	N greekupsilonperispomeni
N greekomicrondasiatonos	N greekupsilonpsili
N greekomicrondasiavaria	N greekupsilonpsiliperispomeni
N greekomicronoxia	N greekupsilonpsilitonos
N greekomicronpsili	N greekupsilonpsilivaria
N greekomicronpsilitonos	N greekupsilontonos
N greekomicronpsilivaria	N greekupsilonvaria
N greekomicrontonos	N greekupsilonvrachy
N greekomicronvaria	N greekvaria
N greekoxia	N greekxi
N greekperispomeni	N greekzeta
N greekphi	N gstroke
N greekphialt	N guilsingleleft
N greekpi	N guilsingleright
N greekpialt	N hairspace
N greekprosgegrammeni	N hcaron
N greekpsi	N hcircumflex
N greekpsili	N hebrewAlef
N greekpsiliperispomeni	N hebrewAyin
N greekpsilitonos	N hebrewBet
N greekpsilivaria	N hebrewDalet
N greekrho	N hebrewGimel
N greekrhoalt	N hebrewHe
N greekrhodasia	N hebrewHet
N greekrhopsili	N hebrewKaf
N greeksampi	N hebrewKaffinal
N greeksigma	N hebrewLamed
N greeksigmalunate	N hebrewMem
N greekstigma	N hebrewMemfinal
N greektau	N hebrewNun
N greektheta	N hebrewNunfinal
N greekthetaalt	N hebrewPe
N greektionos	N hebrewPefinal
N greekupsilon	N hebrewQof
N greekupsilondasia	N hebrewResh
N greekupsilondasiaperispomeni	N hebrewSamekh
N greekupsilondasiatonos	N hebrewShin
N greekupsilondasiavaria	N hebrewTav
N greekupsilondiaeresis	N hebrewTet

N hebrewTsadi	N ncurl
N hebrewTsadifinal	N neng
N hebrewVav	N ngrave
N hebrewYod	N njligature
N hebrewZayin	N nobreakspace
N hstroke	N ntilde
N iacute	N oacute
N ibreve	N obreve
N icaron	N ocaron
N icircumflex	N ocircumflex
N ideographichalffillspace	N ocircumflexacute
N ideographicspace	N ocircumflexdotbelow
N idiaeresis	N ocircumflexgrave
N idotaccent	N ocircumflexhook
N idotbelow	N ocircumflextilde
N idoublegrave	N odiaeresis
N igrave	N odiaeresismacron
N ihook	N odotaccent
N iinvertedbreve	N odotaccentmacron
N ijligature	N odotbelow
N imacron	N odoublegrave
N iogonek	N oeligature
N itilde	N ograve
N jcaron	N ohook
N jcircumflex	N ohorn
N kcaron	N ohornacute
N kcommaaccent	N ohorndotbelow
N khook	N ohorngrave
N kkra	N ohornhook
N lacute	N ohorntilde
N lbar	N ohungarumlaut
N lcaron	N oinvertedbreve
N lcommaaccent	N omacron
N lcurl	N oneeighth
N ldotmiddle	N onefifth
N leftguillemot	N onehalf
N ljligature	N onequarter
N lstroke	N onesixth
N medspace	N onesuperior
N nacute	N onethird
N napostrophe	N oogonek
N narrownobreakspace	N oogonekmacron
N ncaron	N ordfeminine
N ncommaaccent	N ordmasculine

N ostroke	N romanii
N ostrokeacute	N romaniii
N otilde	N romaniv
N otildemacron	N romanix
N paragraphmark	N romanl
N periodcentered	N romanm
N perthousand	N romanv
N phook	N romanvi
N punctuationspace	N romanvii
N questiondown	N romanviii
N quotedbl	N romanx
N quotedblbase	N romanxi
N quotedblleft	N romanxii
N quotedblright	N sacute
N quoteleft	N scaron
N quoteright	N scedilla
N quotesingle	N schwa
N quotesinglebase	N schwahook
N racute	N scircumflex
N rcaron	N scommaaccent
N rcommaaccent	N sectionmark
N rdoublegrave	N seveneighths
N registered	N sixperemspace
N rightguillemot	N slong
N rinvertedbreve	N softthyphen
N romanC	N ssharp
N romanD	N stligature
N romanI	N tcaron
N romanII	N tcedilla
N romanIII	N tcommaaccent
N romanIV	N tcurl
N romanIX	N textAngstrom
N romanL	N textacute
N romanM	N textampersand
N romanV	N textasciicircum
N romanVI	N textasciitilde
N romanVII	N textat
N romanVIII	N textbackslash
N romanX	N textbar
N romanXI	N textbottomcomma
N romanXII	N textbottomdot
N romanc	N textbraceleft
N romand	N textbraceright
N romani	N textbreve

N textbrokenbar	N textunderscore
N textbullet	N textyen
N textcaron	N thook
N textcedilla	N thorn
N textcelsius	N threeeighths
N textcent	N threefifths
N textcircledP	N threeperemspace
N textcircumflex	N threequarter
N textcomma	N threesuperior
N textcurrency	N trademark
N textdag	N tstroke
N textddag	N twofifths
N textdegree	N twosuperior
N textdiaeresis	N twothirds
N textdiv	N uacute
N textdollar	N ubreve
N textdong	N ucaron
N textdotaccent	N ucircumflex
N textellipsis	N udiaeresis
N texteuro	N udiaeresisacute
N textfraction	N udiaeresiscaron
N textgrave	N udiaeresisgrave
N texthash	N udiaeresismacron
N texthorizontalbar	N udotbelow
N texthungarumlaut	N udoublegrave
N textthyphen	N ugrave
N textkelvin	N uhook
N textlognot	N uhorn
N textmacron	N uhornacute
N textmho	N uhorndotbelow
N textminus	N uhorngrave
N textmu	N uhornhook
N textmultiply	N uhorntilde
N textnumero	N uhungarumlaut
N textogonek	N uinvertedbreve
N textohm	N umacron
N textounce	N uogonek
N textpercent	N uring
N textperiod	N utilde
N textpm	N wcircumflex
N textring	N yacute
N textslash	N ycircumflex
N textsterling	N ydiaeresis
N texttilde	N ydotbelow

N ygrave	N Adieresismacron
N yhook	N Adotbelow
N ymacron	N Adotmacron
N ytilde	N Agrave
N zacute	N Ahookabove
N zcaron	N Aiecyrillic
N zdotaccent	N Ainvertedbreve
N zerowidthnobreakspace	N Alpha
N zerowidthspace	N Alphatonos
N zhook	N Amacron
N zstroke	N Amonospace
N zwj	N Aogonek
N zwnj	N Aring
F is_known	N Aringacute
D known	N Aringbelow
F load	N Atilde
F make_unicode_vector	N Aybarmenian
D math	N B
T names	N Bcircle
T unicodes	N Bdotaccent
N A	N Bdotbelow
N AE	N Becyrillic
N AEacute	N Benarmenian
N AEmacron	N Beta
N Aacute	N Bhook
N Abreve	N Blinebelow
N Abreveacute	N Bmonospace
N Abrevecyrillic	N Btopbar
N Abrevedotbelow	N C
N Abrevegrave	N Caarmenian
N Abrevehookabove	N Cacute
N Abrevetilde	N Ccaron
N Acaron	N Ccedilla
N Acircle	N Ccedillaacute
N Acircumflex	N Ccircle
N Acircumflexacute	N Ccircumflex
N Acircumflexdotbelow	N Cdot
N Acircumflexgrave	N Cdotaccent
N Acircumflexhookabove	N Chaarmenian
N Acircumflextilde	N Cheabkhasiancyrillic
N Acyrillic	N Checyrillic
N Adblgrave	N Chedescenderabkhasiancyrillic
N Adieresis	N Chedescendercyrillic
N Adieresiscyrillic	N Chedieresiscyrillic

N Cheharmenian	N Ecircumflexbelow
N Chekhakassiancyrillic	N Ecircumflexdotbelow
N Cheverticalstrokecyrillic	N Ecircumflexgrave
N Chi	N Ecircumflexhookabove
N Chook	N Ecircumflextilde
N Cmonospace	N Ecyrillic
N Coarmenian	N Edblgrave
N D	N Edieresis
N DZ	N Edot
N DZcaron	N Edotaccent
N Daarmenian	N Edotbelow
N Dafrican	N Efcyrillic
N Dcaron	N Egrave
N Dcedilla	N Eharmenian
N Dcircle	N Ehookabove
N Dcircumflexbelow	N Eightroman
N Dcroat	N Einvertedbreve
N Ddotaccent	N Eiotifiedcyrillic
N Ddotbelow	N Elcyrillic
N Decyrillic	N Elevenroman
N Deicoptic	N Emacron
N Delta	N Emacronacute
N Deltagreek	N Emacrongrave
N Dhook	N Emcyrillic
N Digammagreek	N Emonospace
N Djecyrillic	N Encyrillic
N Dlinebelow	N Endescendercyrillic
N Dmonospace	N Eng
N Dslash	N Enghecyrillic
N Dtopbar	N Enhookcyrillic
N Dz	N Egonek
N Dzcaron	N Eopen
N Dzeabkhasiancyrillic	N Epsilon
N Dzecyrillic	N Epsilontonos
N Dzhecyrillic	N Ercyrillic
N E	N Ereversed
N Eacute	N Ereversedcyrillic
N Ebreve	N Escyrillic
N Ecaron	N Esdescendercyrillic
N Ecedillabreve	N Esh
N Echarmenian	N Eta
N Ecircle	N Etarmenian
N Ecircumflex	N Etatonos
N Ecircumflexacute	N Eth

N Etilde	N H18543
N Etildebelow	N H18551
N Euro	N H22073
N Ezh	N HPsquare
N Ezhcaron	N Haabkhasiancyrillic
N Ezhreversed	N Hadescendercyrillic
N F	N Hardsigncyrillic
N Fcircle	N Hbar
N Fdotaccent	N Hbrevebelow
N Feharmenian	N Hcedilla
N Feicoptic	N Hcircle
N Fhook	N Hcircumflex
N Fitacyrillic	N Hdieresis
N Fiveroman	N Hdotaccent
N Fmonospace	N Hdotbelow
N Fourroman	N Hmonospace
N G	N Hoarmenian
N GBSquare	N Horicoptic
N Gacute	N Hzsquare
N Gamma	N I
N Gammaafrican	N IAcyrillic
N Gangiacoptic	N IJ
N Gbreve	N IUcyrillic
N Gcaron	N Iacute
N Gcedilla	N Ibreve
N Gcircle	N Icaron
N Gcircumflex	N Icircle
N Gcommaaccent	N Icircumflex
N Gdot	N Icyrillic
N Gdotaccent	N Idblgrave
N Gecyrillic	N Idieresis
N Ghadarmenian	N Idieresisacute
N Ghemiddlehookcyrillic	N Idieresiscyrillic
N Ghestrokecyrillic	N Idot
N Gheupturncyrillic	N Idotaccent
N Ghook	N Idotbelow
N Gimarmenian	N Iebrevecyrillic
N Gjecyrillic	N Iecyrillic
N Gmacron	N Ifraktur
N Gmonospace	N Igrave
N Gsmallhook	N Ihookabove
N Gstroke	N Iicyrillic
N H	N Iinvertedbreve
N H18533	N Iishortcyrillic

N Imacron
N Imacroncyrillic
N Imonospace
N Iniarmenian
N Iocyrlilic
N Iogonek
N Iota
N Iotaafrican
N Iotadieresis
N Iotatonos
N Istroke
N Itilde
N Itildebelow
N Izhitsacyrillic
N Izhitsadblgravecyrillic
N J
N Jaarmenian
N Jcircle
N Jcircumflex
N Jecyrillic
N Jheharmenian
N Jmonospace
N K
N Kbsquare
N Kksquare
N Kabashkircyrillic
N Kacute
N Kacyrillic
N Kadescendercyrillic
N Kahookcyrillic
N Kappa
N Kastrokecyrillic
N Kaverticalserokecyrillic
N Kcaron
N Kcedilla
N Kcircle
N Kcommaaccent
N Kdotbelow
N Keharmenian
N Kenarmenian
N Khacyrillic
N Kheicoptic
N Khook
N Kjecyrillic

N Klinebelow
N Kmonospace
N Koppacyrillic
N Koppagreek
N Ksicyrillic
N L
N LJ
N Lacute
N Lambda
N Lcaron
N Lcedilla
N Lcircle
N Lcircumflexbelow
N Lcommaaccent
N Ldot
N Ldotaccent
N Ldotbelow
N Ldotbelowmacron
N Liwnarmenian
N Lj
N Ljecyrillic
N Llinebelow
N Lmonospace
N Lslash
N M
N Mbsquare
N Macute
N Mcircle
N Mdotaccent
N Mdotbelow
N Menarmenian
N Mmonospace
N Mturned
N Mu
N N
N NJ
N Nacute
N Ncaron
N Ncedilla
N Ncircle
N Ncircumflexbelow
N Ncommaaccent
N Ndotaccent
N Ndotbelow

N Nhookleft
 N Nineroman
 N Nj
 N Njecyrillic
 N Nlinebelow
 N Nmonospace
 N Nowarmenian
 N Ntilde
 N Nu
 N O
 N OE
 N Oacute
 N Obarredcyrillic
 N Obarreddieriscyrillic
 N Obreve
 N Ocaron
 N Ocenteredtilde
 N Ocircle
 N Ocircumflex
 N Ocircumflexacute
 N Ocircumflexdotbelow
 N Ocircumflexgrave
 N Ocircumflexhookabove
 N Ocircumflextilde
 N Ocyrillic
 N Odblacute
 N Odblgrave
 N Odieresis
 N Odieresiscyrillic
 N Odotbelow
 N Ograve
 N Oharmenian
 N Ohm
 N Ohookabove
 N Ohorn
 N Ohornacute
 N Ohorndotbelow
 N Ohorngrave
 N Ohornhookabove
 N Ohorntilde
 N Ohungarumlaut
 N Oi
 N Oinvertedbreve
 N Omacron

N Omacronacute
 N Omacrongrave
 N Omega
 N Omegacyrillic
 N Omegagreek
 N Omegaroundcyrillic
 N Omegatitlocyrillic
 N Omegatonos
 N Omicron
 N Omicrontonos
 N Omonospace
 N Oneroman
 N Oogonek
 N Oogonekmacron
 N Open
 N Oslash
 N Oslashacute
 N Ostrokeacute
 N Otcyrillic
 N Otilde
 N Otildeacute
 N Otildedieresis
 N P
 N Pacute
 N Pcircle
 N Pdotaccent
 N Pecyrillic
 N Peharmenian
 N Pemiddlehookcyrillic
 N Phi
 N Phook
 N Pi
 N Piwrarmenian
 N Pmonospace
 N Psi
 N Psicyrillic
 N Q
 N Qcircle
 N Qmonospace
 N R
 N Raarmenian
 N Racute
 N Rcaron
 N Rcedilla

N Rcircle	N SF400000
N Rcommaaccent	N SF410000
N Rdblgrave	N SF420000
N Rdotaccent	N SF430000
N Rdotbelow	N SF440000
N Rdotbelowmacron	N SF450000
N Reharmerian	N SF460000
N Rfraktur	N SF470000
N Rho	N SF480000
N Rinvertedbreve	N SF490000
N Rlinebelow	N SF50000
N Rmonospace	N SF500000
N Rsmallinverted	N SF510000
N Rsmallinvertedsuperior	N SF520000
N S	N SF530000
N SF010000	N SF540000
N SF020000	N SF60000
N SF030000	N SF70000
N SF040000	N SF80000
N SF050000	N SF90000
N SF060000	N Sacute
N SF070000	N Sacutedotaccent
N SF080000	N Sampigreek
N SF090000	N Scaron
N SF10000	N Scarondotaccent
N SF100000	N Scedilla
N SF110000	N Schwa
N SF190000	N Schwacyrillic
N SF20000	N Schwadiesiscyrillic
N SF200000	N Scircle
N SF210000	N Scircumflex
N SF220000	N Scommaaccent
N SF230000	N Sdotaccent
N SF240000	N Sdotbelow
N SF250000	N Sdotbelowdotaccent
N SF260000	N Seharmerian
N SF270000	N Sevenroman
N SF280000	N Shaarmenian
N SF30000	N Shacyrillic
N SF360000	N Shchacyrillic
N SF370000	N Sheicoptic
N SF380000	N Shhacyrillic
N SF390000	N Shimacoptic
N SF40000	N Sigma

N Sixroman
N Smonospace
N Softsigncyrillic
N Stigmagreek
N T
N Tau
N Tbar
N Tcaron
N Tcedilla
N Tcircle
N Tcircumflexbelow
N Tcommaaccent
N Tdotaccent
N Tdotbelow
N Tecyrillic
N Tedescendercyrillic
N Tenroman
N Tetsecyrillic
N Theta
N Thook
N Thorn
N Threeroman
N Tiwnarmenian
N Tlinebelow
N Tmonospace
N Toarmenian
N Tonefive
N Tonesix
N Tonetwo
N Tretroflexhook
N Tsecyrillic
N Tshcyrillic
N Twelveroman
N Tworoman
N U
N Uacute
N Ubreve
N Ucaron
N Ucircle
N Ucircumflex
N Ucircumflexbelow
N Ucyrillic
N Udblacute
N Udblgrave

N Udieresis
N Udieresisacute
N Udieresisbelow
N Udieresiscaron
N Udieresiscyrillic
N Udieresisgrave
N Udieresismacron
N Udotbelow
N Ugrave
N Uhookabove
N Uhorn
N Uhornacute
N Uhorndotbelow
N Uhorngrave
N Uhornhookabove
N Uhorntilde
N Uhungarumlaut
N Uhungarumlautcyrillic
N Uinvertedbreve
N Ukcyrillic
N Umacron
N Umacroncyrillic
N Umacrondieresis
N Umonospace
N Uogonek
N Upsilon
N Upsilon1
N Upsilonacutehooksymbolgreek
N Upsilonafrican
N Upsilondieresis
N Upsilondieresishooksymbolgreek
N Upsilonhooksymbol
N Upsilonontonos
N Uring
N Ushortcyrillic
N Ustraightcyrillic
N Ustraightstrokecyrillic
N Utilde
N Utildeacute
N Utildebelow
N V
N Vcircle
N Vdotbelow
N Vecyrillic

N Vewarmenian
 N Vhook
 N Vmonospace
 N Voarmenian
 N Vtilde
 N W
 N Wacute
 N Wcircle
 N Wcircumflex
 N Wdieresis
 N Wdotaccent
 N Wdotbelow
 N Wgrave
 N Wmonospace
 N X
 N Xcircle
 N Xdieresis
 N Xdotaccent
 N Xeharmenian
 N Xi
 N Xmonospace
 N Y
 N Yacute
 N Yatcyrillic
 N Ycircle
 N Ycircumflex
 N Ydieresis
 N Ydotaccent
 N Ydotbelow
 N Yericyrillic
 N Yerudieresiscyrillic
 N Ygrave
 N Yhook
 N Yhookabove
 N Yiarmenian
 N Yicyrillic
 N Yiwnarmenian
 N Ymonospace
 N Ytilde
 N Yusbigcyrillic
 N Yusbigiotifiedcyrillic
 N Yuslittlecyrillic
 N Yuslittleiotifiedcyrillic
 N Z

N Zaarmenian
 N Zacute
 N Zcaron
 N Zcircle
 N Zcircumflex
 N Zdot
 N Zdotaccent
 N Zdotbelow
 N Zecyrillic
 N Zedescendercyrillic
 N Zedieresiscyrillic
 N Zeta
 N Zhearmenian
 N Zhebrevecyrillic
 N Zhecyrillic
 N Zhedescendercyrillic
 N Zhedieresiscyrillic
 N Zlinebelow
 N Zmonospace
 N Zstroke
 N a
 N aabengali
 N aacute
 N aadeva
 N aagujarati
 N aagurmukhi
 N aamatragurmukhi
 N aarusquare
 N aavowelsignbengali
 N aavowelsigndeva
 N aavowelsigngujarati
 N abbreviationmarkarmenian
 N abbreviationsigndeva
 N abengali
 N abopomofo
 N abreve
 N abreveacute
 N abrevecyrillic
 N abrevedotbelow
 N abrevegrave
 N abrevehookabove
 N abrevetilde
 N acaron
 N acircle

N acircumflex	N afii10033
N acircumflexacute	N afii10034
N acircumflexdotbelow	N afii10035
N acircumflexgrave	N afii10036
N acircumflexhookabove	N afii10037
N acircumflextilde	N afii10038
N acute	N afii10039
N acutebelowcmb	N afii10040
N acutecmb	N afii10041
N acutecomb	N afii10042
N acutedeva	N afii10043
N acutelowmod	N afii10044
N acutetonecmb	N afii10045
N acyrillic	N afii10046
N adblgrave	N afii10047
N addakgurmukhi	N afii10048
N adeva	N afii10049
N adieresis	N afii10050
N adieresiscyrillic	N afii10051
N adieresismacron	N afii10052
N adotbelow	N afii10053
N adotmacron	N afii10054
N ae	N afii10055
N aeacute	N afii10056
N aekorean	N afii10057
N aemacron	N afii10058
N afii00208	N afii10059
N afii08941	N afii10060
N afii10017	N afii10061
N afii10018	N afii10062
N afii10019	N afii10065
N afii10020	N afii10066
N afii10021	N afii10067
N afii10022	N afii10068
N afii10023	N afii10069
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N afii10025	N afii10071
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N afii10027	N afii10073
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N afii10029	N afii10075
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N afii10031	N afii10077
N afii10032	N afii10078

N afii10079	N afii301
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N afii10082	N afii57392
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N afii10086	N afii57396
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N afii10095	N afii57410
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N afii10097	N afii57412
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N afii10099	N afii57414
N afii10100	N afii57415
N afii10101	N afii57416
N afii10102	N afii57417
N afii10103	N afii57418
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N afii10105	N afii57420
N afii10106	N afii57421
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N afii10108	N afii57423
N afii10109	N afii57424
N afii10110	N afii57425
N afii10145	N afii57426
N afii10146	N afii57427
N afii10147	N afii57428
N afii10148	N afii57429
N afii10193	N afii57430
N afii10194	N afii57431
N afii10195	N afii57432
N afii10196	N afii57433
N afii10846	N afii57434
N afii208	N afii57440
N afii299	N afii57441
N afii300	N afii57442

N afii57443	N afii57678
N afii57444	N afii57679
N afii57445	N afii57680
N afii57446	N afii57681
N afii57448	N afii57682
N afii57449	N afii57683
N afii57450	N afii57684
N afii57451	N afii57685
N afii57452	N afii57686
N afii57453	N afii57687
N afii57454	N afii57688
N afii57455	N afii57689
N afii57456	N afii57690
N afii57457	N afii57694
N afii57458	N afii57695
N afii57470	N afii57700
N afii57505	N afii57705
N afii57506	N afii57716
N afii57507	N afii57717
N afii57508	N afii57718
N afii57509	N afii57723
N afii57511	N afii57793
N afii57512	N afii57794
N afii57513	N afii57795
N afii57514	N afii57796
N afii57519	N afii57797
N afii57534	N afii57798
N afii57636	N afii57799
N afii57645	N afii57800
N afii57658	N afii57801
N afii57664	N afii57802
N afii57665	N afii57803
N afii57666	N afii57804
N afii57667	N afii57806
N afii57668	N afii57807
N afii57669	N afii57839
N afii57670	N afii57841
N afii57671	N afii57842
N afii57672	N afii57929
N afii57673	N afii61248
N afii57674	N afii61289
N afii57675	N afii61352
N afii57676	N afii61573
N afii57677	N afii61574

N afii61575	N alefqamatshebrew
N afii61664	N aleph
N afii63167	N allequal
N afii64937	N alpha
N agrave	N alphonos
N agujarati	N amaron
N agurmukhi	N amospace
N ahiragana	N ampersand
N ahookabove	N ampersandmonospace
N aibengali	N amsquare
N aibopomofo	N anbopomofo
N aideva	N angbopomofo
N aiecyrillic	N angkhanthai
N aigujarati	N angle
N aigurmukhi	N anglebracketleft
N aimatragurmukhi	N anglebracketleftvertical
N ainarabic	N anglebracketright
N ainfinalarabic	N anglebracketrightvertical
N aininitialarabic	N angleleft
N ainmedialarabic	N angleright
N ainvertedbreve	N angstrom
N aivowelsignbengali	N anoteleia
N aivowelsigndeva	N anudattadeva
N aivowelsigngujarati	N anusvarabengali
N akatakana	N anusvaradeva
N akatakanahalfwidth	N anusvaragujarati
N akorean	N aogonek
N alef	N apaatosquare
N alefarabic	N aparen
N alefdageshhebrew	N apostrophearmenian
N aleffinalarabic	N apostrophemod
N alefhamzaabovearabic	N apple
N alefhamzaabovefinalarabic	N approaches
N alefhamzabelowarabic	N approxequal
N alefhamzabelowfinalarabic	N approxequalorimage
N alefhebrew	N approximatelyequal
N aleflamedhebrew	N araeakorean
N alefmaddaabovearabic	N araeakorean
N alefmaddaabovefinalarabic	N arc
N alefmaksuraarabic	N arighthalfring
N alefmaksurafinalarabic	N aring
N alefmaksurainitialarabic	N aringacute
N alefmaksuramedialarabic	N aringbelow
N alefpatahhebrew	N arrowboth

N arrowdashdown	N asmallkatakana
N arrowdashleft	N asmallkatakanahalfwidth
N arrowdashright	N asterisk
N arrowdashup	N asteriskaltonearabic
N arrowdblboth	N asteriskarabic
N arrowdbldown	N asteriskmath
N arrowdblleft	N asteriskmonospace
N arrowdblright	N asterisksmall
N arrowdblup	N asterism
N arrowdown	N asymptoticallyequal
N arrowdownleft	N at
N arrowdownright	N atilde
N arrowdownwhite	N atmonospace
N arrowheaddownmod	N atsmall
N arrowheadleftmod	N aturned
N arrowheadrightmod	N aubengali
N arrowheadupmod	N aubopomofo
N arrowleft	N audeva
N arrowleftdbl	N augujarati
N arrowleftdblstroke	N augurmukhi
N arrowleftoverright	N aulengthmarkbengali
N arrowleftwhite	N aumatragurmukhi
N arrowright	N auvowelsignbengali
N arrowrightdblstroke	N auvowelsigndeva
N arrowrightheavy	N auvowelsigngujarati
N arrowrightoverleft	N avagrahadeva
N arrowrightwhite	N aybarmenian
N arrowtableft	N ayin
N arrowtabright	N ayinaltonehebrew
N arrowup	N ayinhebrew
N arrowupdn	N b
N arrowupdnbse	N babengali
N arrowupdownbase	N backslash
N arrowupleft	N backslashmonospace
N arrowupleftofdown	N badeva
N arrowupright	N bagujarati
N arrowupwhite	N bagurmukhi
N asciicircum	N bahiragana
N asciicircummonospace	N bahtthai
N asciitilde	N bakatakana
N asciitildemonospace	N bar
N ascript	N barmonospace
N ascriptturned	N bbopomofo
N asmallhiragana	N bcircle

N bdotaccent	N blackrightpointingpointer
N bdotbelow	N blackrightpointingtriangle
N beamedsixteenthnotes	N blacksmallsquare
N because	N blacksmilingface
N becyrillic	N blacksquare
N beharabic	N blackstar
N behfinalarabic	N blackupperlefttriangle
N behinitialarabic	N blackupperrighttriangle
N behiragana	N blackuppointingsmalltriangle
N behmedialarabic	N blackuppointingtriangle
N behmeeminitialarabic	N blank
N behmeemisolatedarabic	N blinebelow
N behnoonfinalarabic	N block
N bekatakana	N bmonospace
N benarmenian	N bobaimaithai
N bet	N bohiragana
N beta	N bokatakana
N betasymbolgreek	N bparen
N betdagesh	N bqsquare
N betdageshhebrew	N braceleft
N bethebrew	N braceleftmonospace
N betrafehebrew	N braceleftsmall
N bhabengali	N braceleftvertical
N bhadeva	N braceright
N bhagujarati	N bracerightmonospace
N bhagurmukhi	N bracerightsmall
N bhook	N bracerightvertical
N bihiragana	N bracketleft
N bikatakana	N bracketleftmonospace
N bilabialclick	N bracketright
N bindigurmukhi	N bracketrightmonospace
N birusquare	N breve
N blackcircle	N brevebelowcmb
N blackdiamond	N brevecmb
N blackdownpointingtriangle	N breveinvertedbelowcmb
N blackleftpointingpointer	N breveinvertedcmb
N blackleftpointingtriangle	N breveinverteddoublecmb
N blacklenticularbracketleft	N bridgebelowcmb
N blacklenticularbracketleftvertical	N bridgeinvertedbelowcmb
N blacklenticularbracketright	N brokenbar
N blacklenticularbracketrightvertical	N bstroke
N blacklowerlefttriangle	N btopbar
N blacklowerrighttriangle	N buhiragana
N blackrectangle	N bukatakana

N bullet	N checkmark
N bulletininverse	N checyrillic
N bulletoperator	N chedescenderabkhasiancyrillic
N bullseye	N chedescendercyrillic
N c	N chedieresiscyrillic
N caarmenian	N cheharmenian
N cabengali	N chekhakassiancyrillic
N cacute	N cheverticalstrokecyrillic
N cadeva	N chi
N cagujarati	N chieuchacirclekorean
N cagurmukhi	N chieuchaparenkorean
N calsquare	N chieuchcirclekorean
N candrabindubengali	N chieuchkorean
N candrabinducmb	N chieuchparenkorean
N candrabindudeva	N chochangthai
N candrabindugujarati	N chochanthai
N capslock	N chochingthai
N careof	N chochoethai
N caron	N chook
N caronbelowcmb	N cieucacirclekorean
N caroncmb	N cieucaparenkorean
N carriagereturn	N cieuccirclekorean
N cbopomofo	N cieuckorean
N ccaron	N cieucparenkorean
N ccedilla	N cieucuparenkorean
N ccedillaacute	N circle
N ccircle	N circlemultiply
N ccircumflex	N circleot
N ccurl	N circleplus
N cdot	N circlepostalmark
N cdotaccent	N circlewithlefthalfblack
N cdsquare	N circlewithrighthalfblack
N cedilla	N circumflex
N cedillacmb	N circumflexbelowcmb
N cent	N circumflexcmb
N centigrade	N clear
N centmonospace	N clickalveolar
N chaarmenian	N clickdental
N chabengali	N clicklateral
N chadeva	N clickretroflex
N chagujarati	N club
N chagurmukhi	N clubsuitblack
N chbopomofo	N clubsuitwhite
N cheabkhasiancyrillic	N cmcubedsquare

N cmonospace	N controlGS
N cmsquaredsquare	N controlHT
N coarmenian	N controlLF
N colon	N controlNAK
N colonmonetary	N controlRS
N colonmonospace	N controlSI
N colonsign	N controlSO
N colonsmall	N controlSOT
N colontriangularhalfmod	N controlSTX
N colontriangularmod	N controlSUB
N comma	N controlSYN
N commaabovecmb	N controlUS
N commaaboveverhtcmb	N controlVT
N commaarabic	N copyright
N commaarmenian	N cornerbracketleft
N commamonospace	N cornerbracketlefthalfwidth
N commareversedabovecmb	N cornerbracketleftvertical
N commareversedmod	N cornerbracketright
N commasmall	N cornerbracketrighthalfwidth
N commaturnedabovecmb	N cornerbracketrightvertical
N commaturnedmod	N corporationsquare
N compass	N cosquare
N congruent	N coverkgsquare
N contourintegral	N cparen
N control	N cruzeiro
N controlACK	N cstretched
N controlBEL	N curlyand
N controlBS	N curlyor
N controlCAN	N currency
N controlCR	N d
N controlDC1	N daarmenian
N controlDC2	N dabengali
N controlDC3	N dadarabic
N controlDC4	N dadeva
N controlDEL	N dadfinalarabic
N controlDLE	N dadinitialarabic
N controlEM	N dadmedialarabic
N controlENQ	N dagesh
N controlEOT	N dageshhebrew
N controlESC	N dagger
N controlETB	N daggerdbl
N controlETX	N dagujarati
N controlFF	N dagurmukhi
N controlFS	N dahiragana

N dakatakana	N dblintegral
N dalarabic	N dbllowline
N dalet	N dbllowlinecmb
N daletdagesh	N dbloverlinecmb
N daletdageshhebrew	N dblprimemod
N dalethatafpatah	N dblverticalbar
N dalethatafpatahhebrew	N dblverticallineabovecmb
N dalethatafsegol	N dbopomofo
N dalethatafsegolhebrew	N dbsquare
N dalethebrew	N dcaron
N dalethiriq	N dcedilla
N dalethiriqhebrew	N dcircle
N daletholam	N dcircumflexbelow
N daletholamhebrew	N dcroat
N daletpatah	N ddabengali
N daletpatahhebrew	N ddadeva
N daletqamats	N ddagujarati
N daletqamatshebrew	N ddagurmukhi
N daletqubuts	N ddalarabic
N daletqubutshebrew	N ddalfinalarabic
N daletsegol	N dddhadeva
N daletsegolhebrew	N ddhabengali
N daletsheva	N ddhadeva
N daletshevahebrew	N ddhagujarati
N dalettsere	N ddhagurmukhi
N dalettserehebrew	N ddotaccent
N dalfinalarabic	N ddotbelow
N dammaarabic	N decimalseparatorarabic
N dammalowarabic	N decimalseparatorpersian
N dammatanaltonearabic	N decyrillic
N dammatanarabic	N degree
N danda	N dehihebrew
N dargahebrew	N dehiragana
N dargalefthebrew	N deicoptic
N dasiapneumatacyrilliccmb	N dekatakana
N dblanglebracketleft	N deletelleft
N dblanglebracketleftvertical	N deleteright
N dblanglebracketright	N delta
N dblanglebracketrightvertical	N delteturned
N dblarchinvertedbelowcmb	N denominatorminusonenumeratorbengali
N dblarrowleft	N dezhang
N dblarrowright	N dhabengali
N dbldanda	N dhadeva
N dblgravecmb	N dhagujarati

N dhagurmukhi	N downtackbelowcmb
N dhook	N downtackmod
N dialytikatonos	N dparen
N dialytikatonoscmb	N dtail
N diamond	N dtopbar
N diamondsuitwhite	N duhiragana
N dieresis	N dukatakana
N dieresisbelowcmb	N dz
N dieresiscomb	N dzaltone
N dieresistonos	N dzcaron
N dihiragana	N dzcurl
N dikatakana	N dzeabkhasiancyrillic
N dittomark	N dzecyrillic
N divide	N dzhecyrillic
N divides	N e
N divisionslash	N eacute
N djecyrillic	N earth
N dkshade	N ebengali
N dlinebelow	N ebopomofo
N dlsquare	N ebreve
N dmacron	N ecandradeva
N dmonospace	N ecandragujarati
N dnblock	N ecandravowelsigndeva
N dochadathai	N ecandravowelsigngujarati
N dodekthai	N ecaron
N dohiragana	N ecedillabreve
N dokatakana	N echarmenian
N dollar	N echiwnarmenian
N dollarmonospace	N ecircle
N dollarsmall	N ecircumflex
N dong	N ecircumflexacute
N dorusquare	N ecircumflexbelow
N dotaccent	N ecircumflexdotbelow
N dotaccentcmb	N ecircumflexgrave
N dotbelowcmb	N ecircumflexhookabove
N dotbelowcomb	N ecircumflextilde
N dotkatakana	N ecyrillic
N dotlessi	N edblgrave
N dotlessj	N edeva
N dotlessjstrokehook	N edieresis
N dotmath	N edot
N dottedcircle	N edotaccent
N doubleyodpatah	N edotbelow
N doubleyodpatahhebrew	N eegurmukhi

N eematragurmukhi	N ellipsis
N efcyrillic	N ellipsisvertical
N egrave	N emacron
N egujarati	N emacronacute
N eharmenian	N emacrongrave
N ehbopomofo	N emcyrillic
N ehiragana	N emdash
N ehookabove	N emdashvertical
N eibopomofo	N emonospace
N eight	N emphasismarkarmenian
N eightarabic	N emptyset
N eightbengali	N enbopomofo
N eightcircle	N encyrillic
N eightcircleinversesansserif	N endash
N eightdeva	N endashvertical
N eightteencircle	N endescendercyrillic
N eighteenparen	N eng
N eighteenperiod	N engbopomofo
N eightgujarati	N enghecyrillic
N eightgurmukhi	N enhookcyrillic
N eighthackarabic	N enspace
N eighthangzhou	N eogonek
N eighthnotebeamed	N eokorean
N eightideographicparen	N eopen
N eightinferior	N eopenclosed
N eightmonospace	N eopenreversed
N eightparen	N eopenreversedclosed
N eightperiod	N eopenreversedhook
N eightpersian	N eparen
N eightroman	N epsilon
N eightsuperior	N epsilonontonos
N eightthai	N equal
N einvertedbreve	N equalmonospace
N eiotifiedcyrillic	N equalsmall
N ekatakana	N equalsuperior
N ekatakanahalfwidth	N equivalence
N ekonkargurmukhi	N erbopomofo
N ekorean	N ercyrillic
N elcyrillic	N ereversed
N element	N ereversedcyrillic
N elevencircle	N escyrillic
N elevenparen	N esdescendercyrillic
N elevenperiod	N esh
N elevenroman	N eshcurl

N eshortdeva	N fdotaccent
N eshortvowelsigndeva	N feharabic
N eshreversedloop	N feharmenian
N eshsquatreversed	N fehfinalarabic
N esmallhiragana	N fehinitialarabic
N esmallkatakana	N fehmedialarabic
N esmallkatakanahalfwidth	N feicoptic
N estimated	N female
N eta	N ff
N etarmenian	N ffi
N etatonos	N ffl
N eth	N fi
N etilde	N fifteencircle
N etildebelow	N fifteenparen
N etnahtafoukhhebrew	N fifteenperiod
N etnahtafoukhlefthebrew	N figuredash
N etnahtahebrew	N filledbox
N etnahtalefthebrew	N filledrect
N eturned	N finalkaf
N eukorean	N finalkafdagesh
N euro	N finalkafdageshhebrew
N evowelsignbengali	N finalkafhebrew
N evowelsigndeva	N finalkafqamats
N evowelsingujarati	N finalkafqamatshebrew
N exclam	N finalkafsheva
N exclamarmenian	N finalkafshevahebrew
N exclamdbl	N finalmem
N exclamdown	N finalmemhebrew
N exclammonospace	N finalnun
N existential	N finalnunhebrew
N ezh	N finalpe
N ezhcaron	N finalpehebrew
N ezhcurl	N finaltsadi
N ezhreversed	N finaltsadihebrew
N ezhtail	N firsttonechinese
N f	N fisheye
N fadeva	N fitacyrillic
N fagurmukhi	N five
N fahrenheit	N fivearabic
N fathaarabic	N fivebengali
N fathalowarabic	N fivecircle
N fathatanarabic	N fivecircleinversesansserif
N fbopomofo	N fivedeva
N fcircle	N fiveeighths

N fivegujarati
 N fivegurmukhi
 N fivehackarabic
 N fivehangzhou
 N fiveideographicparen
 N fiveinferior
 N fivemonospace
 N fiveparen
 N fiveperiod
 N fivepersian
 N fiveroman
 N fivesuperior
 N fivethai
 N fl
 N florin
 N fmonospace
 N fmsquare
 N fofanthai
 N fofathai
 N fongmanthai
 N forall
 N four
 N fourarabic
 N fourbengali
 N fourcircle
 N fourcircleinversesansserif
 N fourdeva
 N fourgujarati
 N fourgurmukhi
 N fourhackarabic
 N fourhangzhou
 N fourideographicparen
 N fourinferior
 N fourmonospace
 N fournumeratorbengali
 N fourparen
 N fourperiod
 N fourpersian
 N fourroman
 N foursuperior
 N fourteencircle
 N fourteenparen
 N fourteenperiod
 N fourthai

N fourthtonechinese
 N fparen
 N fraction
 N franc
 N g
 N gabengali
 N gacute
 N gadeva
 N gafarabic
 N gaffinalarabic
 N gafinitialarabic
 N gafmedialarabic
 N gagujarati
 N gagurmukhi
 N gahiragana
 N gakatakana
 N gamma
 N gammalatinsmall
 N gammasuperior
 N gangiacoptic
 N gbopomofo
 N gbreve
 N gcaron
 N gcedilla
 N gcircle
 N gcircumflex
 N gcommaaccent
 N gdot
 N gdotaccent
 N gecyrillic
 N gehiragana
 N gekatakana
 N geometricallyequal
 N gereshaccenthebrew
 N gereshhebrew
 N gereshmuqdamhebrew
 N germanbls
 N gershayimaccenthebrew
 N gershayimhebrew
 N getamark
 N ghabengali
 N ghadarmenian
 N ghadeva
 N ghagujarati

N ghagurmukhi	N greater
N ghainarabic	N greaterequal
N ghainfinalarabic	N greaterequalorless
N ghaininitialarabic	N greatermonospace
N ghainmedialarabic	N greaterorequivalent
N ghemiddlehookcyrillic	N greaterorless
N ghestrokecyrillic	N greateroverequal
N gheupturncyrillic	N greater-small
N ghadeva	N gscript
N ghagurmukhi	N gstroke
N ghook	N guhiragana
N ghzsquare	N guillemotleft
N gihiragana	N guillemotright
N gikatakana	N guilsinglleft
N gimarmenian	N guilsinglright
N gimel	N gukatakana
N gimeldagesh	N guramusquare
N gimeldageshhebrew	N gysquare
N gimelhebrew	N h
N gjecyrillic	N haabkhasiancyrillic
N glottalinvertedstroke	N haaltonearabic
N glottalstop	N habengali
N glottalstopinverted	N hadescendercyrillic
N glottalstopmod	N hadeva
N glottalstopreversed	N hagujarati
N glottalstopreversedmod	N hagurmukhi
N glottalstopreversedsuperior	N haharabic
N glottalstopstroke	N hahfinalarabic
N glottalstopstrokereversed	N hahinitialarabic
N gmacron	N hahiragana
N gmonospace	N hahmedialarabic
N gohiragana	N haitusquare
N gokatakana	N hakatakana
N gparen	N hakatakanahalfwidth
N gpsquare	N halantgurmukhi
N gradient	N hamzaarabic
N grave	N hamzadammarabic
N gravebelowcmb	N hamzadammatanarabic
N gravecmb	N hamzafathaarabic
N gravecomb	N hamzafathatanarabic
N gravedeva	N hamzalowarabic
N gravelowmod	N hamzalowkasraarabic
N gravemonospace	N hamzalowkasratanarabic
N gravetonecmb	N hamzasukunarabic

N hangulfiller	N hehaltonearabic
N hardsigncyrillic	N heharabic
N harpoonleftbarbup	N hehebrew
N harpoonrightbarbup	N hehfinalalttonearabic
N hasquare	N hehfinalalttwoarabic
N hatafpatah	N hehfinalarabic
N hatafpatah16	N hehhamzaabovefinalarabic
N hatafpatah23	N hehhamzaaboveisolatedarabic
N hatafpatah2f	N hehinitialalttonearabic
N hatafpatahhebrew	N hehinitialarabic
N hatafpatahnarrowhebrew	N hehiragana
N hatafpatahquarterhebrew	N hehmedialalttonearabic
N hatafpatahwidehebrew	N hehmedialarabic
N hatafqamats	N heiseierasquare
N hatafqamats1b	N hekatakana
N hatafqamats28	N hekatakanahalfwidth
N hatafqamats34	N hekutaarusquare
N hatafqamatshebrew	N henghook
N hatafqamatsnarrowhebrew	N herutusquare
N hatafqamatsquarterhebrew	N het
N hatafqamatswidehebrew	N hethebrew
N hatafsegol	N hhook
N hatafsegol17	N hhooksuperior
N hatafsegol24	N hieuhacirclekorean
N hatafsegol30	N hieuhaparenkorean
N hatafsegolhebrew	N hieuhcirclekorean
N hatafsegolnarrowhebrew	N hieuhkorean
N hatafsegolquarterhebrew	N hieuhparenkorean
N hatafsegolwidehebrew	N hihiragana
N hbar	N hikatakana
N hbopomofo	N hikatakanahalfwidth
N hbrevebelow	N hiriq
N hcedilla	N hiriq14
N hcircle	N hiriq21
N hcircumflex	N hiriq2d
N hdieresis	N hiriqhebrew
N hdotaccent	N hiriqnarrowhebrew
N hdotbelow	N hiriqqarterhebrew
N he	N hiriqwidehebrew
N heart	N hlinebelow
N heartsuitblack	N hmonospace
N heartsuitwhite	N hoarmenian
N hedagesh	N hohipthai
N hedageshhebrew	N hohiragana

N hokatakana	N icyrillic
N hokatakanahalfwidth	N idblgrave
N holam	N ideographearthcircle
N holam19	N ideographfirecircle
N holam26	N ideographicallianceparen
N holam32	N ideographicallparen
N holamhebrew	N ideographiccentrecircle
N holamnarrowhebrew	N ideographicclose
N holamquarterhebrew	N ideographiccomma
N holamwidehebrew	N ideographiccommaleft
N honokhukthai	N ideographiccongratulationparen
N hookabovecomb	N ideographiccorrectcircle
N hookcmb	N ideographicearthparen
N hookpalatalizedbelowcmb	N ideographicenterpriseparen
N hookretroflexbelowcmb	N ideographicexcellentcircle
N hoonsquare	N ideographicfestivalparen
N horicoptic	N ideographicfinancialcircle
N horizontalbar	N ideographicfinancialparen
N horncmb	N ideographicfireparen
N hotsprings	N ideographichaveparen
N house	N ideographichighcircle
N hparen	N ideographiciterationmark
N hsuperior	N ideographiclaborcircle
N hturned	N ideographiclaborparen
N huhiragana	N ideographicleftcircle
N huiitosquare	N ideographiclowcircle
N hukatakana	N ideographicmedicinecircle
N hukatakanahalfwidth	N ideographicmetalparen
N hungarumlaut	N ideographicmoonparen
N hungarumlautcmb	N ideographicnameparen
N hv	N ideographicperiod
N hyphen	N ideographicprintcircle
N hyphenmonospace	N ideographicreachparen
N hyphensmall	N ideographicrepresentparen
N hyphentwo	N ideographicresourceparen
N i	N ideographicrightcircle
N iacute	N ideographicsecretcircle
N iacyrillic	N ideographicselfparen
N ibengali	N ideographicsocietyparen
N ibopomofo	N ideographicspace
N ibreve	N ideographicspecialparen
N icaron	N ideographicstockparen
N icircle	N ideographicstudyparen
N icircumflex	N ideographicsunparen

N ideographicsuperviseparen
N ideographicwaterparen
N ideographicwoodparen
N ideographiczero
N ideographmetalcircle
N ideographmooncircle
N ideographnamecircle
N ideographsuncircle
N ideographwatercircle
N ideographwoodcircle
N ideva
N idieresis
N idieresisacute
N idieresis Cyrillic
N idotbelow
N iebrev Cyrillic
N iecyrillic
N ieungacirclekorean
N ieungaparenkorean
N ieungcirclekorean
N ieungkorean
N ieungparenkorean
N igrave
N igujarati
N igurmukhi
N ihiragana
N ihookabove
N iibengali
N iicyrillic
N iideva
N iigujarati
N iigurmukhi
N iimatragurmukhi
N iinvertedbreve
N iishort Cyrillic
N iivowelsignbengali
N iivowelsigndeva
N iivowelsigngujarati
N ij
N ikatakana
N ikatakanahalfwidth
N ikorean
N ilde
N iluyhebrew

N imacron
N imacron Cyrillic
N imageorapproximatelyequal
N imatragurmukhi
N imonospace
N increment
N infinity
N iniarmenian
N integral
N integralbottom
N integralbt
N integraltp
N intersection
N intisquare
N invbullet
N invcircle
N invsmileface
N iocyrillic
N iogonek
N iota
N iotadieresis
N iotadieresis-tonos
N iotalatin
N iotatonos
N iparen
N irigurmukhi
N ismallhiragana
N ismallkatakana
N ismallkatakanahalfwidth
N issharbengali
N istroke
N iterationhiragana
N iterationkatakana
N itilde
N itildebelow
N iubopomofo
N iucyrillic
N ivowelsignbengali
N ivowelsigndeva
N ivowelsigngujarati
N izhitsa Cyrillic
N izhitsadblgrave Cyrillic
N j

N jaarmenian	N kagurmukhi
N jabengali	N kahiragana
N jadeva	N kahookcyrillic
N jagujarati	N kakatakana
N jagurmukhi	N kakatakanahalfwidth
N jbopomofo	N kappa
N jcaron	N kappasymbolgreek
N jcircle	N kapyeounmieumkorean
N jcircumflex	N kapyeounphieuphkorean
N jcrossettail	N kapyeounpieupkorean
N jdotlessstroke	N kapyeounssangpieupkorean
N jecyrillic	N karoriisquare
N jeemarabic	N kashidaautoarabic
N jeemfinalarabic	N kashidaautonosidebearingarabic
N jeeminitialarabic	N kasmallkatakana
N jeemmedialarabic	N kasquare
N jeharabic	N kasraarabic
N jehfinalarabic	N kasratanarabic
N jhabengali	N kastrokecyrillic
N jhadeva	N katahiraprolongmarkhalfwidth
N jhagujarati	N kaverticallstrokecyrillic
N jhagurmukhi	N kbopomofo
N jheharmenian	N kcalsquare
N jis	N kcaron
N jmonospace	N kcedilla
N jparen	N kcircle
N jsuperior	N kcommaaccent
N k	N kdotbelow
N kabashkircyrillic	N keharmonian
N kabengali	N kehiragana
N kacute	N kekatakana
N kacyrillic	N kekatakanahalfwidth
N kadesccendercyrillic	N kenarmenian
N kadeva	N kesmallkatakana
N kaf	N kgreenlandic
N kafarabic	N khabengali
N kafdagesh	N khacyrillic
N kafdageshhebrew	N khadeva
N kaffinalarabic	N khagujarati
N kafhebrew	N khagurmukhi
N kafinitialarabic	N khaharabic
N kafmedialarabic	N khahfinalarabic
N kafrafehebrew	N khahinitialarabic
N kagujarati	N khahmedialarabic

N kheicoptic	N kpasquare
N khhadeva	N ksicyrillic
N khhagurmukhi	N ktsquare
N khieukhacirclekorean	N kturned
N khieukhaparenkorean	N kuhiragana
N khieukhcirclekorean	N kukatakana
N khieukhkorean	N kukatakanahalfwidth
N khieukhparenkorean	N kvsquare
N khokhaithai	N kwsquare
N khokhonthai	N l
N khokhuatthai	N labengali
N khokhwaithai	N lacute
N khomutthai	N ladeva
N khook	N lagujarati
N khorakhangthai	N lagurmukhi
N khzsquare	N lakkhangyaothai
N khiragana	N lamaleffinalarabic
N kikatakana	N lamalefhamzaabovefinalarabic
N kikatakanahalfwidth	N lamalefhamzaaboveisolatedarabic
N kioguramusquare	N lamalefhamzabelowfinalarabic
N kiomeetorusquare	N lamalefhamzabelowisolatedarabic
N kirosquare	N lamalefisolatedarabic
N kiyeokacirclekorean	N lamalefmaddaabovefinalarabic
N kiyeokaparenkorean	N lamalefmaddaaboveisolatedarabic
N kiyeokcirclekorean	N lamarabic
N kiyeokkorean	N lambda
N kiyeokparenkorean	N lambdastroke
N kiyeoksioskorean	N lamed
N kjecyrillic	N lameddagesh
N klinebelow	N lameddageshhebrew
N klsquare	N lamedhebrew
N kmcubedsquare	N lamedholam
N kmonospace	N lamedholamdagesh
N kmsquaredsquare	N lamedholamdageshhebrew
N kohiragana	N lamedholamhebrew
N kohmsquare	N lamfinalarabic
N kokaithai	N lamhahinitialarabic
N kokatakana	N laminitialarabic
N kokatakanahalfwidth	N lamjeeminitialarabic
N kooposquare	N lamkhahinitialarabic
N koppacyrillic	N lamlamhehisolatedarabic
N koreanstandardsymbol	N lammedialarabic
N koroniscmb	N lammeemhahinitialarabic
N kparen	N lammeeminitialarabic

N lammeenjeeminitialarabic
 N lammeemkhahinitialarabic
 N largecircle
 N lbar
 N lbelt
 N lbopomofo
 N lcaron
 N lcedilla
 N lcircle
 N lcircumflexbelow
 N lcommaaccent
 N ldot
 N ldotaccent
 N ldotbelow
 N ldotbelowmacron
 N leftangleabovecmb
 N lefttackbelowcmb
 N less
 N lessequal
 N lessequalorgreater
 N lessmonospace
 N lessorequivalent
 N lessorgreater
 N lessoverequal
 N lesssmall
 N lezh
 N lfblock
 N lhookretroflex
 N lira
 N liwnarmenian
 N lj
 N ljecyrillic
 N lladeva
 N llagujarati
 N llinebelow
 N llladeva
 N llvocalicbengali
 N llvocalicdeva
 N llvocalicvowelsignbengali
 N llvocalicvowelsigndeva
 N lmiddletilde
 N lmonospace
 N lmsquare
 N lochulathai

N logicaland
 N logicalnot
 N logicalnotreversed
 N logicalor
 N lolingthai
 N longs
 N lowlinecenterline
 N lowlinecmb
 N lowlinedashed
 N lozenge
 N lparen
 N lslash
 N lsquare
 N ltshade
 N luthai
 N lvocalicbengali
 N lvocalicdeva
 N lvocalicvowelsignbengali
 N lvocalicvowelsigndeva
 N lxsquare
 N m
 N mabengali
 N macron
 N macronbelowcmb
 N macroncmb
 N macronlowmod
 N macronmonospace
 N macute
 N madeva
 N magujarati
 N magurmukhi
 N mahapakhhebrew
 N mahapakhlefthebrew
 N mahiragana
 N maichattawathai
 N maiekthai
 N maihanakatthai
 N maitaikhuthai
 N maithothai
 N maitrithai
 N maiyamokthai
 N makatakana
 N makatakanahalfwidth
 N male

N mansyonsquare	N mikatakana
N maqafhebrew	N mikatakanahalfwidth
N mars	N minus
N masoracirclehebrew	N minusbelowcmb
N masquare	N minuscircle
N mbopomofo	N minusmod
N mbsquare	N minusplus
N mcircle	N minute
N mcubedsquare	N miribaarusquare
N mdotaccent	N mirisquare
N mdotbelow	N mlonglegturned
N meemarabic	N mlsquare
N meemfinalarabic	N mmcubedsquare
N meeminitialarabic	N mmonospace
N meemmedialarabic	N mmsquaredsquare
N meemmeeminitialarabic	N mohiragana
N meemmeemisolatedarabic	N mohmsquare
N meetorusquare	N mokatakana
N mehiragana	N mokatakanahalfwidth
N meizierasquare	N molsquare
N mekatakana	N momathai
N mekatakanahalfwidth	N moverssquare
N mem	N moverssquaredsquare
N memdagesh	N mparen
N memdageshhebrew	N mpasquare
N memhebrew	N mssquare
N menarmenian	N mturned
N merkhahhebrew	N mu
N merkhakefulahebrew	N mul
N merkhakefulalefthebrew	N muasquare
N merkhalefthebrew	N muchgreater
N mhook	N muchless
N mhzsquare	N mufsquare
N middledotkatakanahalfwidth	N mugreek
N middot	N mugsquare
N mieumacirclekorean	N muhiragana
N mieumaparenkorean	N mukatakana
N mieumcirclekorean	N mukatakanahalfwidth
N mieumkorean	N mulsquare
N mieumpansioskorean	N multiply
N mieumparenkorean	N mumsquare
N mieumpieupkorean	N munahhebrew
N mieumsioskorean	N munahlefthebrew
N mhiragana	N musicalnote

N musicalnotedbl	N nieunacirclekorean
N musicflatsign	N nieunaparenkorean
N musicsharpsign	N nieuncieuckorean
N mussquare	N nieuncirclekorean
N muvsquare	N nieunhieuhkorean
N muwsquare	N nieunkorean
N vmegasquare	N nieunpansioskorean
N mvsquare	N nieunparenkorean
N mwmegasquare	N nieunsioskorean
N mwsquare	N nieuntikeutkorean
N n	N nhiragana
N nabengali	N nikatakana
N nabla	N nikatakanahalfwidth
N nacute	N nikhahitthai
N nadeva	N nine
N nagujarati	N ninearabic
N nagurmukhi	N ninebengali
N nahiragana	N ninecircle
N nakatakana	N ninecircleinversesansserif
N nakatakanahalfwidth	N ninedeva
N napostrophe	N ninegujarati
N nasquare	N ninegurmukhi
N nbopomofo	N ninehackarabic
N nbspace	N ninehangzhou
N ncaron	N nineideographicparen
N ncedilla	N nineinferior
N ncircle	N ninemonospace
N ncircumflexbelow	N nineparen
N ncommaaccent	N nineperiod
N ndotaccent	N ninepersian
N ndotbelow	N nineroman
N nehiragana	N ninesuperior
N nekatakana	N nineteencircle
N nekatakanahalfwidth	N nineteenparen
N newsheqelsign	N nineteenperiod
N nfsquare	N ninethai
N ngabengali	N nj
N ngadeva	N njecyrillic
N ngagujarati	N nkatakana
N ngagurmukhi	N nkatakanahalfwidth
N ngonguthai	N nlegrightlong
N nhiragana	N nlinebelow
N nhookleft	N nmonospace
N nhookretroflex	N nmsquare

N nnabengali	N nuhiragana
N nnadeva	N nukatakana
N nnagujarati	N nukatakanahalfwidth
N nnagurmukhi	N nuktabengali
N nnnadeva	N nuktradeva
N nohiragana	N nuktagujarati
N nokatakana	N nuktagurmukhi
N nokatakanahalfwidth	N numbersign
N nonbreakingspace	N numbersignmonospace
N nonenthai	N numbersignsmall
N nonuthai	N numeralsigngreek
N noonarabic	N numeralsignlowergreek
N noonfinalarabic	N numero
N noonghunnaarabic	N nun
N noonghunnafinalarabic	N nundagesh
N noonhehinitialarabic	N nundageshhebrew
N nooninitialarabic	N nunhebrew
N noonjeeminitialarabic	N nvsquare
N noonjeemisolatedarabic	N nwsquare
N noonmedialarabic	N nyabengali
N noonmeeminitialarabic	N nyadeva
N noonmeemisolatedarabic	N nyagujarati
N noonnoonfinalarabic	N nyagurmukhi
N notcontains	N o
N notelement	N oacute
N notelementof	N oangthai
N notequal	N obarred
N notgreater	N obarredcyrillic
N notgreaternorequal	N obarreddieresiscyrillic
N notgreaternorless	N obengali
N notidentical	N obopomofo
N notless	N obreve
N notlessnorequal	N ocandradeva
N notparallel	N ocandragujarati
N notprecedes	N ocandravowelsigndeva
N notsubset	N ocandravowelsigngujarati
N notsucceeds	N ocaron
N notsuperset	N ocircle
N nowarmenian	N ocircumflex
N nparen	N ocircumflexacute
N nssquare	N ocircumflexdotbelow
N nsuperior	N ocircumflexgrave
N ntilde	N ocircumflexhookabove
N nu	N ocircumflextilde

N ocyrillic
N odblacute
N odblgrave
N odeva
N odieresis
N odieresiscyrillic
N odotbelow
N oe
N oekorean
N ogonek
N ogonekcmb
N ograve
N ogujarati
N oharmenian
N ohiragana
N ohookabove
N ohorn
N ohornacute
N ohorndotbelow
N ohorngrave
N ohornhookabove
N ohorntilde
N ohungarumlaut
N oi
N oinvertedbreve
N okatakana
N okatakanahalfwidth
N okorean
N olehebrew
N omacron
N omacronacute
N omacrongrave
N omdeva
N omega
N omegal
N omegacyrillic
N omegalatinclosed
N omegaroundcyrillic
N omegatitlocyrillic
N omegatonos
N omgujarati
N omicron
N omicrontonos
N omonospace

N one
N onearabic
N onebengali
N onecircle
N onecircleinversesansserif
N onedeva
N onedotenleader
N oneeighth
N onegujarati
N onegurmukhi
N onehackarabic
N onehalf
N onehangzhou
N oneideographicparen
N oneinferior
N onemonospace
N onenumeratorbengali
N oneparen
N oneperiod
N onepersian
N onequarter
N oneroman
N onesuperior
N onethai
N onethird
N oogonek
N oogonekmacron
N oogurmukhi
N oomatragurmukhi
N oopen
N oparen
N openbullet
N option
N ordfeminine
N ordmasculine
N orthogonal
N oshortdeva
N oshortvowelsigndeva
N oslash
N oslashacute
N osmallhiragana
N osmallkatakana
N osmallkatakanahalfwidth
N ostrokeacute

N otcyrillic	N parenrightsmall
N otilde	N parenrightsuperior
N otildeacute	N parenrightvertical
N otildedieresis	N partialdiff
N oubopomofo	N paseqhebrew
N overline	N pashtahebrew
N overlinecenterline	N pasquare
N overlinecmb	N patah
N overlinedashed	N patah11
N overlinedblwavy	N patah1d
N overlinewavy	N patah2a
N overscore	N patahhebrew
N ovowelsignbengali	N patahnarrowhebrew
N ovowelsigndeva	N patahquarterhebrew
N ovowelsigngujarati	N patahwidehebrew
N p	N pazerhebrew
N paampssquare	N pbopomofo
N paasentosquare	N pcircle
N pabengali	N pdotaccent
N pacute	N pe
N padeva	N pecyrillic
N pagedown	N pedagesh
N pageup	N pedageshhebrew
N pagujarati	N peezisquare
N pagurmukhi	N pefinaldageshhebrew
N pahiragana	N peharabic
N paiyannoithai	N peharmenian
N pakatakana	N pehebrew
N palatalizationcyrilliccmb	N pehfinalarabic
N palochkacyrillic	N pehinitialarabic
N pansioskorean	N pehiragana
N paragraph	N pehmedialarabic
N parallel	N pekatakana
N parenleft	N pemiddlehookcyrillic
N parenleftalttonearabic	N perafehebrew
N parenleftinferior	N percent
N parenleftmonospace	N percentarabic
N parenleftsmall	N percentmonospace
N parenleftsuperior	N percentsmall
N parenleftvertical	N period
N parenright	N periodarmenian
N parenrightalttonearabic	N periodcentered
N parenrightinferior	N periodhalfwidth
N parenrightmonospace	N periodmonospace

N periodsmall	N plusminus
N perispomenigreekcmb	N plusmod
N perpendicular	N plusmonospace
N perthousand	N plussmall
N peseta	N plussuperior
N pfsquare	N pmonospace
N phabengali	N pmsquare
N phadeva	N pohiragana
N phagujarati	N pointingindexdownwhite
N phagurmukhi	N pointingindexleftwhite
N phi	N pointingindexrightwhite
N phil	N pointingindexupwhite
N phieuphacirclekorean	N pokatakana
N phieuphaparenkorean	N poplathai
N phieuphcirclekorean	N postalmark
N phieuphkorean	N postalmarkface
N phieuphparenkorean	N pparen
N philatin	N precedes
N phinthuthai	N prescription
N phisymbolgreek	N primemod
N phook	N primereversed
N phophanthai	N product
N phophungthai	N projective
N phosamphaothai	N prolongedkana
N pi	N propellor
N pieupacirclekorean	N propersubset
N pieupaparenkorean	N propersuperset
N pieupcieuckorean	N proportion
N pieupcirclekorean	N proportional
N pieupkiyeokkorean	N psi
N pieupkorean	N psicyrillic
N pieupparenkorean	N psilipneumatacyrilliccmb
N pieupsioskiyeokkorean	N pssquare
N pieupsioskorean	N puhiragana
N pieupsiosstikeutkorean	N pukatakana
N pieupthieuthkorean	N pvsquare
N pieuptikeutkorean	N pwsquare
N pihiragana	N q
N pikatakana	N qadeva
N pisymbolgreek	N qadmahebrew
N piwrarmenian	N qafarabic
N plus	N qaffinalarabic
N plusbelowcmb	N qafinitiarabic
N pluscircle	N qafmedialarabic

N qamats	N qoftserehebrew
N qamats10	N qparen
N qamats1a	N quarternote
N qamats1c	N qubuts
N qamats27	N qubuts18
N qamats29	N qubuts25
N qamats33	N qubuts31
N qamatsde	N qubutshebrew
N qamatshebrew	N qubutsnarrowhebrew
N qamatsnarrowhebrew	N qubutsquarterhebrew
N qamatsqatanhebrew	N qubutswidehebrew
N qamatsqatannarrowhebrew	N question
N qamatsqatanquarterhebrew	N questionarabic
N qamatsqatanwidehebrew	N questionarmenian
N qamatsquarterhebrew	N questiondown
N qamatwidehebrew	N questiongreek
N qarneyparahebrew	N questionmonospace
N qbopomofo	N quotedbl
N qcircle	N quotedblbase
N qhook	N quotedblleft
N qmonospace	N quotedblmonospace
N qof	N quotedblprime
N qofdagesh	N quotedblprimereversed
N qofdageshhebrew	N quotedblright
N qofhatafpatah	N quoteleft
N qofhatafpatahhebrew	N quoteleftreversed
N qofhatafsegol	N quotereversed
N qofhatafsegolhebrew	N quoteright
N qofhebrew	N quoterightn
N qofhiriq	N quotesinglbase
N qofhiriqhebrew	N quotesingle
N qofholam	N quotesinglemonospace
N qofholamhebrew	N r
N qofpatah	N raarmenian
N qofpatahhebrew	N rabengali
N qofqamats	N racute
N qofqamatshebrew	N radeva
N qofqubuts	N radical
N qofqubutshebrew	N radoverssquare
N qofsegol	N radoverssquaresquare
N qofsegolhebrew	N radsquare
N qofsheva	N rafe
N qofshevahebrew	N rafehebrew
N qoftsere	N ragujarati

N ragurmukhi	N reshqubutshebrew
N rahiragana	N reshsegol
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T f_i
    N mess
    S name
    T unicode
T f_j
    S name
    T unicode
T f_k
    S name
    T unicode
T f_l
    N mess
    S name
    T unicode
T i_j
    N mess
    S name

```

```

T unicode
F reset
F tounicode
F tounicode16
F tounicode16sequence
metapost                table
F boundingbox
F boxtomp
F draw
F fill
F maxbounds
F output
F paths
F widthline
F zeroline
mp                      table
D cache
B inline
N version
names                   data table
nulldata                data table
protrusions            data table
readers                 table
F afm
F check_lua
F check_tfm
F lua
F ofm
F opentype
F otf
F pfb
D sequence
F tfm
F ttc
F ttf
F woff
reserveid               function
select                  table
D alternatives
F bodyfont
D data
F default
D defaults
F definefallbackfamily

```

F definefontfamily		D contextnumbers	
F definefontfamilypreset		D contextsetups	
D extras		F contexttostring	
F fallback		F definecontext	
D fallbacks		F mergecontext	
F features		F presetcontext	
F filefallback		F registercontext	
F fontdata		F showcontext	
F fontfallback		F splitcontext	
F fontsynonym		D synonyms	
F goodies		D variants	
F mathfallback		symbols	table
D methods		F uselibrary	
D presets		tables	table
F registerfallback		D data	
F registerfiles		F savefont	
F registerfontalternative		F saveoriginal	
F registerfontfamily		tracers	table
F textfallback		treatments	table
F typeface		F applyfixes	
F typescript		D data	
F userdata		S filename	
setdiscexpansion	function	F ignoredfile	
specifiers	table	F report	
D contextmerged		F trace	
F contextnumber		typefaces	table

functions (context)

dummy function

graphics (context)

backgrounds table

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close function
lines function
load function

open function
save function
suffix function

img (basic tex)

boxes	function
check	function
checksize	function
clone	function
copy	function
immediatewrite	function
keys	function
new	function
node	function

ofindex	function
package	function
print	function
scan	function
serialize	function
totable	function
types	function
write	function

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

addvalidkeys	function	F MPpardata
cachedsetups	data table	F MPplus
cachesetup	function	F MPpos
checkedspecification	function	F MPposset
complete	data table	F MPr
constants	data table	F MPrest
corenamespaces	data table	F MPrs
currentinterface	string	F MPul
currentresponse	string	F MPur
definecommand	function	F MPw
defined	function	F MPwhd
doifelsemessage	function	F MPx
elements	data table	F MPxy
formats	data table	F MPxywhd
getcheckedparameters	function	F MPy
getmessage	function	F Romannumerals
getnamespace	function	F abjadnodotnumerals
getsetupstring	function	F abjadnumerals
hashedsetups	data table	F adaptfontfeature
implement	function	F addcounter
interfacedcommand	function	F addfeature
interfaces	table	F addgrapheme
invalidkey	function	F addlinklistelement
message	function	F addreplacements
namespaces	table	F addtocolumnset
F define		F addtojavascriptpreamble
F list		F addtolist
registernamespace	function	F addvalidinterfacekeys
scanners	table	F allinputpaths
F Alphabetic		F alphabetic
F Character		F analyzefloatmethod
F Characters		F analyzeitemgroup
F MPLIBconvertoutlinetext		F analyzelist
F MPc		F analyzeregister
F MPd		F applypattern
F MPH		F applytobox
F MPll		F applytofirstcharacter
F MPLr		F assignbuffer
F MPLs		F autofinishstructurelevels
F MPn		F autonextspace
F MPp		F autonextstructurelevel

F autose setups	F btxlastofrange
F autostarttext	F btxlistvariant
F autostoptext	F btxloaddefinitionfile
F averagecharwidth	F btxloadjournallist
F bitmapimage	F btxloadreplacementfile
F blockcolumnset	F btxoneorrange
F boxtostring	F btxpreparelistentries
F bposcolumn	F btxremapauthor
F bposcolumnregistered	F btxsavedataset
F btxabbreviatedjournal	F btxsavejournallist
F btxaddentry	F btxsetdataset
F btxaddjournal	F btxsetentry
F btxauthor	F btxsetregister
F btxauthorfield	F btxsetspecification
F btxauthortoregister	F btxsingularorplural
F btxcollectlistentries	F btxtoregister
F btxcurrentfirstnames	F btxusedataset
F btxcurrentinitials	F btxuservariable
F btxcurrentjuniors	F buildtextaccent
F btxcurrentsurnames	F character
F btxcurrentvons	F characters
F btxdetail	F chardescription
F btxdirect	F checkcolumnset
F btxdoif	F checkcountersetup
F btxdoifelse	F checkedconversion
F btxdoifelsecombiinlist	F checkedpagefloat
F btxdoifelsesameasprevious	F checkinjector
F btxdoifelseuservariable	F checkinterfacechain
F btxdoifnot	F checktwopassdata
F btxexpandedjournal	F chemicalcomponent
F btxfetchlistentries	F chinesenumerals
F btxfield	F cleanfontname
F btxfieldname	F cleanupbox
F btxfieldtype	F cleanuplayers
F btxfirstofrange	F clonefield
F btxflush	F collectbackgrounds
F btxflushlistcombi	F collectfloat
F btxflushlistentry	F collecthelp
F btxflushmarked	F colorcomponents
F btxflushpages	F columnsetcurrentcolumn
F btxfoundname	F columnsetgoto
F btxfoundtype	F columnsetnoto
F btxhandlecite	F concatcommalist
F btxhandlenocite	F consultfloat

F convertbtxdatasettoxml	F definefontfamilypreset
F converteddimen	F definefontfeature
F convertmpstopdf	F definefontsolution
F copyboxfromcache	F definehyphenationfeatures
F copyposition	F defineinsertion
F cos	F defineintermediatecolor
F cosd	F definelabels
F countervalue	F definelanguage
F counttwopassdata	F definelinefiller
F currentcomponent	F definelinkedlist
F currentdate	F definemarking
F currentdesignsize	F definemetafont
F currentenvironment	F definemultitonecolorglobal
F currentposthyphenchar	F definenamespace
F currentprehyphenchar	F definenote
F currentproduct	F defineparallel
F currentproject	F defineparbuilder
F currentreferenceorder	F defineprocesscolordummy
F currentsectiontolist	F defineprocesscolorglobal
F datasetvariable	F defineprocesscolorlocal
F dayname	F defineprogram
F decimals	F definereference
F decrementcounter	F defineregister
F decrementedcounter	F definerule
F decrementsubcounter	F definesectionlevels
F defineaccents	F defineshift
F defineattribute	F definesnapmethod
F definebreakpoint	F definespotcolorglobal
F definebreakpoints	F definestructureblock
F definecharacterspacing	F definestructureset
F definechemical	F definetransparency
F definecolumnset	F definetransparencyglobal
F defineconversion	F definetwopasslist
F definecounter	F definetypeface
F definedlayoutcomponent	F defineviewerlayer
F definefallbackfamily	F depthnumber
F definefield	F digits_normal
F definefieldset	F digits_reverse
F definefilefallback	F directboxfromcache
F definefilesynonym	F directcopyboxfromcache
F definefont_one	F disableautofontscript
F definefont_two	F disabledirectives
F definefontcolorpalette	F disableexperiments
F definefontfamily	F disablejobsave

F disableparbuilder
F disableregime
F disablespellchecking
F disablestatetriggering
F disablestream
F disabletrackers
F discardfromlist
F doanalyzeframedbox
F doifcommon
F doifcounter
F doifelseblack
F doifelseboxincache
F doifelsebuffer
F doifelsecharinfont
F doifelsecommon
F doifelsecontinewithfile
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedrawingblack
F doifelsefieldcategory
F doifelsefiledefined
F doifelsefileexist
F doifelsefirstchar
F doifelsefontpresent
F doifelseinelement
F doifelseinputfile
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F doifelseintwopassdata
F doifelseleapyear
F doifselisthasentry
F doifselisthasnumber
F doifselisthaspage
F doifselisthastitle
F doifselolocfile
F doifelsemarking
F doifelsemessage
F doifelseobject
F doifelseobjectreference
F doifelseolderversion
F doifelseoverlapping
F doifelseparallel
F doifelseparentfile
F doifelsepathexist

F doifelseposition
F doifelsepositiononpage
F doifelsepositionsonsamepage
F doifelsepositionsonthispage
F doifelsepositionsused
F doifelserangeonpage
F doifelserreference
F doifelserightttoleftinbox
F doifelsesame
F doifelsestackedfloats
F doifelsesynonymshown
F doifelsesynonymused
F doifelseurldefined
F doifelseutfmathabove
F doifelseutfmathaccent
F doifelseutfmathbelow
F doifelseutfmathfiller
F doifelsevisualizer
F doiffielddsetelse
F doifinset
F doifnotcommon
F doifnotcounter
F doifnotecontent
F doifnoteonsamepageasprevious
F doifnotinset
F doifnotsame
F doifposition
F doifsame
F doprocesstypescriptfile
F doreshapeframedbox
F dosaveposition
F dosavepositionplus
F dosavepositionwhd
F dosetposition
F dosetpositionbox
F dosetpositionplus
F dosetpositionstrut
F dosetpositionstrutkind
F dosetpositionwhd
F dostarttextfile
F dostoptextfile
F elapsedtime
F enableasciimode
F enableautofences

F enableautofontscript	F figure_check
F enablebackgroundalign	F figure_done
F enablebackgroundboxes	F figure_dummy
F enablecolor	F figure_flush_registered_pages
F enablecolorintents	F figure_identify
F enablecrlf	F figure_include
F enabledirectives	F figure_mergegoodies
F enableexperiments	F figure_nof_registered_pages
F enablefontcolorsschemes	F figure_pop
F enableinteraction	F figure_push
F enablelinefillers	F figure_register_page
F enableparbuilder	F figure_reset
F enableregime	F figure_scale
F enablerules	F figurefilename
F enableshifts	F figurefilepath
F enablespellchecking	F figurefiletype
F enablestatetriggering	F figurerequest
F enablestream	F figuresetdimensions
F enabletrackers	F figurestatus
F enabletransparency	F figureused
F enableutf	F filterdefaultreference
F enhancecelinkedlist	F filterreference
F enhancecelist	F finalizebox
F enhancecerefence	F findregisterinternal
F enhanceceregister	F findtwopassdata
F eposcolumn	F finishcolumnsetflush
F eposcolumnregistered	F finishexport
F erasebuffer	F firstcountervalue
F execute	F firstinset
F expandcurrentreference	F firstsubcountervalue
F exportformdata	F flushcolumnsetareas
F exportreferences	F flushcolumnsetcolumn
F extendregister	F flushcolumnsetrest
F extensiblecode	F flushfloat
F fakenextstrutline	F flushlabeledfloat
F fakeword	F flushnotes
F featureattribute	F flushpageinjectionsafter
F featurelist	F flushpageinjectionsbefore
F feedback	F flushpostponedblocks
F fetchallmarks	F flushpostponednotes
F fetchmultipar	F flushstream
F fetchonemark	F flushstreamcopy
F fetchposboxes	F fontchar
F fetchtwomarks	F fontcharbyindex

F fontcollectionclone	F getnaturalwd
F fontcollectiondefine	F getnotestate
F fontcollectionprepare	F getobjectdimensions
F fontcollectionregister	F getobjectreference
F fontcollectionreport	F getobjectreferencepage
F fontcollectionreset	F getprivatechar
F fontlookupgetkey	F getprivateglyphslot
F fontlookupgetkeyofindex	F getprivatemathchar
F fontlookupinitialize	F getprivateslot
F fontlookupnoffound	F getprogram
F forceendjob	F getrandomdimen
F forcequitjob	F getrandomfloat
F formatcolor	F getrandomnumber
F formatgray	F getrandomseed
F from	F getreadfilename
F frule	F getsetupstring
F getbidimode	F getsomefullstructurenumber
F getbodyfontsizes	F getsomestructurenumber
F getboxfromcache	F getspecificstructuretitle
F getbuffer	F getstructurelevel
F getbuffercxtlua	F getstructurenumber
F getbuffermkvi	F getsubstring
F getcheckedinterfaceparameters	F gettexbuffer
F getcurrentprefixspec	F gettwopassdata
F getcurrentreferencemetadata	F gettwopassdatalist
F getdefaultfieldvalue	F geturl
F getdocumentargument	F getvisual
F getdocumentfilename	F hboxto vbox
F getelementtag	F helpaction
F getfieldcategory	F helpreference
F getfile	F hexstringtonumber
F getfirstcharacter	F horizontalcode
F getfirsttwopassdata	F hour
F getfloatvariable	F hyphenatedlist
F getfullstructurenumber	F hyphenatedurl
F getinternalcachedlistreference	F immediatemessage
F getinternallistreference	F incrementcounter
F getlasttwopassdata	F incrementedcounter
F getmarking	F incrementsubcounter
F getmathdomain	F initializejob
F getmathitalics	F initializemathdomain
F getmessage	F initializemathitalics
F getmpextensions	F initializemathkernpairs
F getnaturaldimensions	F initializestream

F initializetexdirectives	F loadmapline
F initializetextrackers	F loadspellchecklist
F injectcurrentreference	F loadtypescriptfile
F injectcurrentreferencehtdp	F loadvisualizer
F injectreference	F locatefilepath
F inlinechemical	F locfilename
F inputfilebarename	F lower
F inputfilename	F lpdf_adddocumentcolorspace
F inputfilerealsuffix	F lpdf_adddocumenttextgstate
F inputfilesuffix	F lpdf_adddocumentpattern
F insertattachment	F lpdf_adddocumentshade
F insertcomment	F lpdf_addtocatalog
F insertfield	F lpdf_addtoinfo
F insertionnumber	F lpdf_addtonames
F insertrenderingwindow	F lpdf_addtopageattributes
F installedlanguages	F lpdf_addtopageresources
F installtexdirective	F lpdf_addtopagesattributes
F installtextracker	F lpdf_collectedresources
F jobfilefullname	F lpdf_color
F jobfilename	F luascript
F jobfilesuffix	F luathread
F languagenumber	F lxmlid
F lastcountervalue	F markcontent
F lastlinewidth	F markingnumber
F lastsubcountervalue	F markingtitle
F lchexnumber	F markinjector
F lchexnumbers	F markregionbox
F leapyear	F markregionboxcorrected
F linenumbersstageone	F markregionboxtagged
F linenumbersstagetwo	F markregionboxtaggedkind
F listgroupindex	F markvisualfonts
F listlabel	F mathfraction
F listlocation	F mathrenderset
F listnamespaces	F message
F listprefixednumber	F metapostescaped
F listprefixedpage	F metapostformatted
F listrealpage	F metapostgraphformat
F listsize	F minute
F listtitle	F mixcleanup
F listuserdata	F mixfinalize
F loadexamodes	F mixflushlist
F loadfontgoodies	F mixflushrest
F loadluamodule	F mixgetsplit
F loadmapfile	F mixsetsplit

F mixstate	F octstringtonumber
F molecule	F operatingsystem
F month	F ordinal
F monthmnem	F outputfilename
F monthname	F overloadbookmark
F mpcolor	F overloaderror
F mpflushliteral	F overloadlowercase
F mpflushreset	F overloaduppercase
F mpgettext	F pageofinternal
F mpgraphic	F pagestaterealpage
F mpoptions	F parpos
F mppopvariables	F pdfrotation
F mppushvariables	F pdfstartmatrix
F mprunset	F pdfstartmirroring
F mpruntab	F pdfstartrotation
F mprunvar	F pdfstartscaling
F mpsetclippath	F pdfstopmatrix
F mpsetoutercolor	F pdfstopmirroring
F mpsetsxsy	F pdfstoprotation
F mpsettext	F pdfstopscaling
F mptexget	F percentageof
F mptexreset	F pgfxcolorspec
F mptexset	F pickupbuffer
F mptexsetfrombuffer	F pickupmarkedcontent
F namedstructureuservariable	F pickuppunctuation
F namedstructurevariable	F placeparallel
F naturalwd	F popfloat
F nbfs	F pophyphenation
F negatedcolorcomponent	F popitaliccorrection
F nextcountervalue	F poplist
F nextparallel	F poppath
F nextsubcountervalue	F poprandomseed
F nofconversions	F popreferenceprefix
F nofdays	F popregime
F nofstackedfloats	F popsectionblock
F notedeltapage	F postponeotes
F noteinternal	F prefixedconverted
F notelistindex	F prepareMPvariable
F noteprefixednumber	F preparecolumnsetflush
F notetitle	F presetmathalternate
F ntimes	F presetsymbollist
F number	F presettabulate
F numbers	F previouscountervalue
F octnumber	F previoussubcountervalue

F processbodyfontsizes	F registeredviewerlayer
F processbuffer	F registerfigurepattern
F processcolorcomponents	F registerfiguresuffix
F processedfile	F registerfontalternative
F processedfiles	F registerfontfamily
F processfile	F registerhelp
F processfilemany	F registerhyphenationexception
F processfilenone	F registerhyphenationpattern
F processfileonce	F registeritemgroup
F processjob	F registerlanguagefeatures
F processlist	F registerlinenumbers
F processregister	F registermaintextcolor
F processsplit	F registermpyfile
F processsynonyms	F registernamedlua
F profilebox	F registernamespace
F purefontname	F registerobject
F pushfloat	F registerpattern
F pushhyphenation	F registerpostponedblock
F pushitaliccorrection	F registerreferencedobject
F pushlist	F registerrendering
F pushpath	F registersection
F pushrandomseed	F registershownsynonym
F pushreferenceprefix	F registerstructureprocessor
F pushregime	F registersynonym
F pushsectionblock	F registerunit
F pushstream	F registerusedsynonym
F putboxincache	F registeruserdata
F putincolumnset	F relatemarking
F rawcharacter	F renderingvar
F rawcountervalue	F replacefeature
F rawdate	F replacepospxywhd
F rawsetupstring	F reportstructure
F rawsubcountervalue	F resavefloat
F referencepagedetail	F resetboxesincache
F referencepagestate	F resetcharacteralign
F referencerealpage	F resetcolumnset
F registerattachment	F resetcounter
F registerbackendsymbol	F reseteffect
F registerbackground	F resetfeature
F registerbodyfontsize	F resetfontfeature
F registerbookmark	F resetfontsolution
F registerbuttons	F resetinjector
F registercolorintent	F resetitaliccorrection
F registercolumnsetarea	F resetmapfiles

F resetmarking	F savetaggedtwopassdata
F resetmathattributes	F savetwopassdata
F resetmathitalics	F savevariable
F resetnullfont	F second
F resetparallel	F selectstructureblock
F resetpath	F setactivecatcodes
F resetprevdepth	F setbreakpoints
F resetreference	F setcharacteralign
F resetscript	F setcharactercasing
F resetshownsynonyms	F setcharactercleaning
F resetstructureprocessor	F setcharacterkerning
F resetsubcounter	F setcharacterspacing
F resettimer	F setcharacterstripping
F resettrackers	F setcloseddocumentaction
F resetusedsynonyms	F setclosepageaction
F restartcounter	F setcolormodel
F restartsubcounter	F setcolumnsetarea
F restorecounter	F setcolumnsetlines
F restorecurrentattributes	F setcolumnsetproperties
F restorenote	F setcolumnsetstart
F restoreobject	F setcounter
F reuserandomseed	F setdataset
F revivefeature	F setdestinationattribute
F romannumerals	F setdigitsmanipulation
F rounded	F setdirection
F ruby	F setdocumentargument
F runbuffer	F setdocumentcommandline
F runcontextjob	F setdocumentctxfile
F safechar	F setdocumentdefaultargument
F savebuffer	F setdocumentenvironments
F savecounter	F setdocumentfilename
F savecurrentattributes	F setdocumentfilenames
F savedlistnumber	F setdocumentmodes
F savedlistprefixednumber	F setdocumentmodules
F savedlisttitle	F seteffect
F savefloat	F setelementuserproperties
F savefont	F setextrafontkerns
F savemargindata	F setfieldcalculationset
F savenote	F setfigurelookuporder
F savepagedata	F setfigurepaths
F savepageinjections	F setfirstline
F saveparallel	F setfontfeature
F savespecificfloat	F setfontofid
F savestructureblock	F setfontsolution

F setformat	F setpagecolormodel
F setformsmethod	F setpagestate
F setsizecolumnset	F setpagestaterealpageno
F setsizecolumnspan	F setpagetransition
F sethyphenatedurlcharacters	F setparbuilder
F sethyphenationfeatures	F setpdfcompression
F sethyphenationmethod	F setprofile
F setinitial	F setrandomseed
F setinitialsectionblock	F setrealign
F setinjector	F setrealspaces
F setinnerreferencemethod	F setreferencearguments
F setinsertionlocation	F setreferenceoperation
F setinterfaceconstant	F setregionbox
F setinterfaceelement	F setregionboxtagged
F setinterfacemessage	F setregistermethod
F setinterfacemessages	F setreplacements
F setinterfacevariable	F setruby
F setinternalreference	F setscript
F setitaliccorrection	F setsectionblock
F setjavascriptpreamble	F setsectionentry
F setjobcomment	F setstructureblockstate
F setlanguageexceptions	F setstructurelevel
F setlanguagesynonym	F setstructurenumber
F setlettercatcodes	F setsubcounter
F setmapfile	F settagaspect
F setmapline	F settagcombination
F setmarking	F settagdelimitedsymbol
F setmathalphabet	F settagfigure
F setmathalternate	F settaggedmetadata
F setmathattribute	F settaghighlight
F setmathdirection	F settagitem
F setmathdomain	F settagitemgroup
F setmathitalics	F settaglist
F setmathstyle	F settagnotation
F setmpextensions	F settagnotationsymbol
F setnaturalwd	F settagproperty
F setnegative	F settagproperty_b
F setnextinternalreference	F settagproperty_n
F setnextreferenceorder	F settagregister
F setnotestate	F settagsorting
F setopendocumentaction	F settagssentencesymbol
F setopenpageaction	F settagssynonym
F setowncounter	F settagtablecell
F setownsubcounter	F settagtabulatecell

F setupbookmarks	F startcomponent
F setupcanvas	F startenvironment
F setupcharacterspacing	F startfontsolution
F setupexport	F startparbuilder
F setupfontexpansion	F startproduct
F setupfontprotrusion	F startproject
F setupidentity	F startregime
F setupinsertion	F startruby
F setupitaliccorrection	F startsectionlevel
F setuplinenumbering	F startstream
F setuserinterface	F starttag
F setvalidinterfacekeys	F starttag_c
F setvisual	F starttag_d
F setvisualfont	F starttag_u
F setvisuallayer	F starttext
F setvisuals	F startviewerlayer
F setvsizecolumnset	F step
F setxmpfile	F stopactualtext
F showassignerror	F stopchemical
F showattributes	F stopcolorset
F showcounter	F stopcomponent
F showdebuginfo	F stopenvironment
F showdirectives	F stopfontsolution
F showdiscretionaries	F stopparbuilder
F showexperiments	F stopproduct
F showhyphenatedinlist	F stopproject
F showhyphenationtrace	F stopregime
F showinjector	F stopsectionlevel
F showjustification	F stopstream
F showlogcategories	F stoptag
F showmessage	F stoptext
F showtrackers	F stopviewerlayer
F sin	F storejavascriptcode
F sind	F storejavascriptpreamble
F specifiedfont	F storenote
F specifiedfontsize	F storeregister
F specifiedfontspec	F strdp
F splitfilename	F strhd
F spotcolorname	F strht
F spotcolorparent	F strip
F spotcolorvalue	F structureautocatcodedget
F startactualtext	F structurecatcodedget
F startchemical	F structuregivencatcodedget
F startcolorset	F structurenumber

F structuretitle	F useMPLibrary
F structureuservariable	F useanyfile
F structurevariable	F useanyfileonce
F strwd	F usecldfilename
F subcountervalue	F usecldfilenameonce
F subcountervalues	F usecolors
F subsubcountervalues	F usecomponent
F subtractfeature	F useenvironment
F synccolor	F usefigurebase
F synccolorclone	F usefile
F synccolorcount	F usejavascriptpreamble
F synchronizemarking	F usejavascriptscripts
F synchronizestream	F useluafile
F synonymmeaning	F useluafileonce
F synonymname	F useluamodule
F systemlog	F usemodules
F tagmfunctionlab	F usepath
F tagmfunctiontxt	F useproduct
F tan	F useproject
F tand	F usesubpath
F texdefinition_one	F usesymbols
F texdefinition_two	F usetexfile
F textime	F usetexfileonce
F thefirstcharacter	F useurl
F themaxboxwidth	F usexmlfile
F theremainingcharacters	F usexmlfileonce
F tochar	F usezipfile
F transparencycomponents	F utfchar
F triggerpagebuilder	F utfmathclass
F truefilename	F utfmathcommand
F truefontname	F utfmathcommandabove
F type	F utfmathcommandbelow
F typebuffer	F utfmathcommandfiller
F typefile	F utfmathfiller
F uchar	F utfmathstretch
F uchexnumber	F vboxlisttohbox
F uchexnumbers	F verbose
F undefinechemical	F vspacing
F unicodechar	F vspacingcollapse
F unihex	F vspacingcollapseonly
F unit_normal	F vspacingdefine
F unit_reverse	F vspacingsetamount
F unloadlanguage	F vspacingsnap
F upper	F way

F weekday	F xmldirectivesafter
F weekdayname	F xmldirectivesbefore
F writestatus	F xmldisplayverbatim
F x_table_c	F xmldoif
F x_table_cleanup	F xmldoifelse
F x_table_construct	F xmldoifelseempty
F x_table_create	F xmldoifelseselfempty
F x_table_finish_row	F xmldoifelsetext
F x_table_flush	F xmldoifempty
F x_table_init_construct	F xmldoifnot
F x_table_init_reflow_height	F xmldoifnotempty
F x_table_init_reflow_height_option	F xmldoifnotselfempty
F x_table_init_reflow_width	F xmldoifnottext
F x_table_init_reflow_width_option	F xmldoifselfempty
F x_table_next_row	F xmldoiftext
F x_table_next_row_option	F xmlelement
F x_table_r	F xmlfilter
F x_table_reflow_height	F xmlfilterlist
F x_table_reflow_width	F xmlfirst
F x_table_set_construct	F xmlflush
F x_table_set_reflow_height	F xmlflushcontext
F x_table_set_reflow_width	F xmlflushnewline
F xmladdindex	F xmlflushpure
F xmlafterssetup	F xmlflushsetups
F xmlall	F xmlflushspacewise
F xmlappendsetup	F xmlflushtext
F xmlapplyselectors	F xmlfunction
F xmlatt	F xmlgetindex
F xmlattdef	F xmlinclude
F xmlattribute	F xmlincludeoptions
F xmlattributedef	F xmlinclusion
F xmlbadinclusions	F xmlinclusions
F xmlbeforesetup	F xmlindex
F xmlchainatt	F xmlinlineverbatim
F xmlchainattdef	F xmlinstalldirective
F xmlchecknamespace	F xmllast
F xmlcommand	F xmllastatt
F xmlconcat	F xmllastmatch
F xmlconcatrange	F xmlload
F xmlcontext	F xmlloadbuffer
F xmlcount	F xmlloaddata
F xmldelete	F xmlloaddirectives
F xmldirect	F xmlloadentities
F xmldirectives	F xmlmain

F xmlmatch	F xmlstrippednolines	
F xmlname	F xmltag	
F xmlnamespace	F xmltextentity	
F xmlnonspace	F xmltext	
F xmlpath	F xmltobuffer	
F xmlpopmatch	F xmltobufferverbose	
F xmlpos	F xmltofile	
F xmlprependsetup	F xmltoparameters	
F xmlpure	F xmlverbatim	
F xmlpushmatch	F xmlwithindex	
F xmlraw	F year	
F xmlrawtex	setconstant	function
F xmlrefatt	setcount	function
F xmlregisters	setdimen	function
F xmlreapname	setelement	function
F xmlreapnamespace	setformat	function
F xmlremovesetup	setmacro	function
F xmlresetinjectors	setmessage	function
F xmlresetsetups	setmessages	function
F xmlsave	settranslation	function
F xmlsetcommandtonone	setupstrings	data table
F xmlsetcommandtotext	setuserinterface	function
F xmlsetentity	setvalidkeys	function
F xmlsetinjectors	setvariable	function
F xmlsetsetup	showmessage	function
F xmlsnippet	storedscanners	data table
F xmlstartraw	strings	table
F xmlstarttiming	syntax	data table
F xmlstopraw	tolist	function
F xmlstoptiming	translations	data table
F xmlstrip	usednamespaces	data table
F xmlstripanywhere	variables	data table
F xmlstripnolines	writestatus	function
F xmlstripped		

io (basic lua)

ask	function	output	overloaded function
bytes	function	pathseparator	string
characters	function	popen	overloaded function
close	function	read	function
copydata	function	readall	function
exists	function	readnumber	function
fileseparator	string	readstring	function
flush	function	savedata	function
input	overloaded function	size	function
lines	overloaded function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
noflines	function	type	function
open	overloaded function	write	function

job (context)

comment	function	F define	
datasets	table	F find	
D collected		F first	
F extend		F get	
F getdata		F getcollected	
F setdata		F getdata	
D tobesaved		F getfield	
disablesave	function	F gettobesaved	
fileobjreferences	table	F inlist	
D collected		F last	
D tobesaved		F list	
files	table	F save	
D collected		F savetagged	
F context		D tobesaved	
B forcerun		positions	table
F run		F b_column	
D tobesaved		F b_region	
getrandomseed	function	F c	
initialize	function	D collected	
load	function	F column	
loadother	function	F copy	
objects	table	F depth	
D collected		F e_column	
F get		F e_region	
F number		F enhance	
F page		F extra	
F save		T free	
F set		F get	
D tobesaved		F getreserved	
pack	boolean	F gettobesaved	
packversion	number	F hangafter	
pagestates	table	F hangindent	
D collected		F height	
F extend		F hsize	
F realpage		F leftskip	
F setstate		F lowerleft	
D tobesaved		F lowerright	
passes	table	F markregionbox	
F check		F n	
D collected		F onsamepage	
F count		F overlapping	

F p
T page
F paragraph
F parindent
F position
F r
F region
F replace
F rightskip
F set
F setall
F setregionbox
D tobesaved
F upperleft
F upperright
S used
F width
F x
F xy
F y

register	function
save	function
structure	table
D collected	
T components	
T tobesaved	
T branches	
S name	
S type	
variables	table
D checksums	
D collected	
F getchecksum	
F makechecksum	
F restore	
F save	
F setchecksum	
D tobesaved	
version	number

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
exceptions	function
gethjcode	function
hyphenate	function
hyphenation	function
hyphenationmin	function

id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function
sethjcode	function

languages (context)

associate	function	F registerpattern	
associated	data table	F setfeatures	
association	function	installed	function
counters	data table	labels	table
current	function	F define	
data	data table	F split	
decimals	data table	loadable	function
define	function	loadwords	function
expand	function	logger	table
expanders	table	F report	
frequencies	table	numbers	data table
F averagecharwidth		postexhyphenchar	function
F getdata		posthyphenchar	function
getdata	function	preexhyphenchar	function
getnumber	function	prehyphenchar	function
hjcounts	table	registered	data table
hyphenate	function	replacements	table
hyphenators	table	F add	
T dictionaries		F handler	
D featuresets		F set	
F handler		serializediscretionary	function
T methods		setexceptions	function
F expanded		setsynonym	function
B none		showdiscretionaries	function
F original		unload	function
F tex		urls	table
F traditional		D characters	
F popmethod		N lefthyphenmin	
F pushmethod		D mapping	
F setmethod		B packslashes	
F setup		N righthyphenmin	
F showhyphenationtrace		F setcharacters	
T traditional		version	number
F definefeatures		visualizediscretionaries	function
F gettrace		words	table
F hyphenate		F check	
F injecthyphens		T data	
F installmethod		F disable	
F lasttrace		F enable	
F loadpatterns		T enablers	
F registerexception		B enables	

F found

T methods

F load

N threshold

layouts (context)

status	table	F leftorrightpageaction
	F isleftpage	

lfs (extra lua)

attributes	overloaded function	mkdirs	function
chdir	overloaded function	readlink	overloaded function
currentdir	function	rmdir	overloaded function
dir	overloaded function	setmode	overloaded function
isdir	overloaded function	shortname	overloaded function
isfile	overloaded function	symlinkattributes	overloaded function
lock	function	touch	overloaded function
lock_dir	overloaded function	unlock	function
mkdir	overloaded function		

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

lmx (context)

color	function
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
F a	
F td	
F th	
include	function
inherited	table
S color-background-four	
S color-background-one	
S color-background-three	
S color-background-two	
S title	
initialize	function
inject	function
lmxfile	function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showdebuginfo	function
showerror	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table
S color-background-blue	
S color-background-body	
S color-background-green	
S color-background-main	
S color-background-purple	
S color-background-yellow	
S title-default	

logs (context)

application	function
categories	function
direct	function
disable	function
enable	function
exporters	table
extendbanner	function
flush	function
help	function
messenger	function
new	function
newline	function
poptarget	function
pushtarget	function
report	function
reportbanner	function
reporter	function
reporters	table
F banner	
F export	
F help	
F info	
F lines	
F version	
reportline	function

reportlines	function
setformats	function
setformatters	function
setlogfile	function
setmessenger	function
setprocessor	function
setprogram	function
settarget	function
settimedlog	function
settranslations	function
show	function
show_close	function
show_load	function
show_open	function
simple	function
simpleline	function
simplelines	function
start_page_number	function
status	function
stop_page_number	function
subdirect	function
subreport	function
system	function
texerrormessage	function
writer	function

lpdf (context)

action	function	finalizedocument	function
adddocumentcolorspace	function	finalizepage	function
adddocumenttextgstate	function	finishtransparencycode	function
adddocumentpattern	function	flushobject	function
adddocumentshade	function	flushstreamfileobject	function
addtocatalog	function	flushstreamobject	function
addtoinfo	function	formats	data table
addtonames	function	frompdfdoc	function
addtopageattributes	function	fromsixteen	function
addtopageresources	function	gethpos	function
addtopagesattributes	function	getmatrix	function
addtxmpinfo	function	getpos	function
annotationspecification	function	getvpos	function
array	function	graycode	function
boolean	function	hasmatrix	function
border	function	id	function
checkedkey	function	injecttxmpinfo	function
checkedvalue	function	inserttxmpinfo	function
circularshade	function	layerreference	function
cmykcode	function	limited	function
collectedresources	function	linearshade	function
color	function	nametree	function
colorspace	function	null	function
colorspaceconstants	data table	number	function
colorspec	function	pagereference	function
colorvalue	function	patternstream	function
colorvalues	function	pdfcolor	function
constant	function	pdftimestamp	function
delayedobject	function	permitdetail	function
destinationspecification	function	protectresources	boolean
dictionary	function	rectangle	function
docstring	function	reference	function
epdf	table	registerannotation	function
F contenttotext		registerdestination	function
F expand		registerdocumentfinalizer	function
F expanded		registerpagefinalizer	function
F getpagecontent		registerpattern	function
F getstructure		reserveobject	function
F load		rgbcode	function
F unload		rotationcm	function
escaped	function	setdates	function

settime	function	tosixteen	function
settrailerid	function	transform	function
shareobject	function	transparency	function
shareobjectreference	function	transparencycode	function
spotcode	function	transparencygroups	table
stream	function	B none	
string	function	transparencyvalue	function
timestamp	function	unicode	function
toeight	function	verbose	function
topdfdoc	function		

lpeg (basic lua)

B	function	finder	function
C	function	firstofsplit	function
Carg	function	frontstripper	function
Cb	function	instringchecker	function
Cc	function	is_lpeg	function
Cf	function	keeper	function
Cg	function	locale	function
Cmt	function	match	function
Cp	function	oneof	function
Cs	function	patterns	data table
Ct	function	pcode	function
P	function	print	function
R	function	ptree	function
S	function	replacer	function
UP	function	secondofsplit	function
UR	function	setmaxstack	function
US	function	split	function
V	function	splitat	function
afterprefix	function	splitter	function
anywhere	function	stripper	function
append	function	times	function
balancer	function	tsplitat	function
beforesuffix	function	tsplitter	function
checkedsplit	function	type	function
counter	function	utfchartabletopattern	function
endstripper	function	version	function

ltn12 (extra lua)

BLOCKSIZE number

filter table

 F chain

 F cycle

pump table

 F all

 F step

sink table

 F chain

 F error

 F file

 F null

 F simplify

 F table

source table

 F cat

 F chain

 F empty

 F error

 F file

 F rewind

 F simplify

 F string

lua (basic tex)

bytecode	table	lastbytecode	number
bytedata	data table	mask	string
bytdone	table	messages	data table
B page-cst		name	table
collectgarbage	function	numbers	data table
delay	function	registercode	function
finalize	function	registeredcodes	function
firstbytecode	number	registerfinalizer	function
flush	function	registername	function
flushdelayed	function	setbytecode	function
get_functions_table	function	setluaname	function
getbytecode	function	startupfile	string
getluaname	function	version	string

luatex (context)

cleanuptempfiles function
registerdumpactions function
registerpageactions function
registerstartactions function

registerstopactions function
registertempfile function
starttime number

lxml (context)

addindex	function	flush	function
all	function	flushlinewise	function
applyfunction	function	flushsetups	function
applyselectors	function	flushspacewise	function
att	function	get_id	function
attribute	function	getid	function
badinclusions	function	getindex	function
chainattribute	function	id	function
checkindex	function	idsplitter	userdata
collected	function	include	function
command	function	inclusion	function
concat	function	inclusions	function
concatrange	function	index	function
content	function	inlineverbatim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	load	function
directives	table	loadbuffer	function
F after		loaddata	function
F before		loaded	table
F handle		main	function
F load		match	function
F setup		name	function
displayverbatim	function	namespace	function
doif	function	nonspace	function
doifelse	function	path	function
doifelseempty	function	popmatch	function
doifelsetext	function	pos	function
doifempty	function	position	function
doifnot	function	pure	function
doifnotempty	function	pushmatch	function
doifnottext	function	raw	function
doiftext	function	rawroot	function
element	function	rawtex	function
elements	function	refatt	function
entities	data table	register	function
filter	function	registerentity	function
filterlist	function	removesetup	function
first	function	resetdata	function

resetsetup	function	splitid	function
resolvedentity	function	startraw	function
root	function	startunesaped	function
save	function	stopraw	function
serialize	function	stopunesaped	function
setaction	function	store	function
setcdata	function	strip	function
setcommandtonone	function	stripped	function
setcommandtotext	function	tag	function
setsetup	function	text	function
snippet	function	tobuffer	function
sorters	table	tofile	function
F add		toparameters	function
F compare		toverbatim	function
F flush		verbatim	function
F reset		withindex	function
F show		xmltexhandler	data table
F sort			

math (basic lua)

abs	function	log	function
acos	function	max	function
asin	function	min	function
atan	function	mod	function
atan2	function	modf	function
ceil	function	odd	function
ceiling	function	pi	number
cos	function	pow	function
cosd	function	rad	function
cosh	function	random	overloaded function
deg	function	randomseed	function
div	function	round	function
even	function	setrandomseed	function
exp	function	sin	function
floor	function	sind	function
fmod	function	sinh	function
frexp	function	sqrt	function
huge	number	tan	function
initialseed	number	tand	function
ldexp	function	tanh	function

mathematics (context)

addfallbacks	function	injectfallbacks	function
alphabets	data table	makefont	function
alternatives	data table	mapremap	data table
big	function	overloadadditions	function
boldmap	data table	overloadparameters	function
categories	table	privatebase	number
D functions		registerdomain	function
charactersets	data table	remapalphabets	function
checkaccentbaseheight	function	renderings	table
checkprivateparameters	function	D mappings	
classes	data table	D numbers	
codes	data table	D sets	
define	function	renderset	function
dimensions	function	resetattributes	function
domains	table	resetitalics	function
extensiblecode	function	scaleparameters	function
extensibles	data table	setdomain	function
extrabase	number	setitalics	function
extras	table	sets	data table
F add		styles	data table
F copy		syncboth	function
fallbacks	table	syncname	function
F apply		syncstyle	function
F install		toname	function
fallbackstyleattr	function	tostyle	function
families	data table	tweakaftercopyingfont	function
gaps	data table	tweakbeforecopyingfont	function
getboth	function	tweaks	table
getdomain	function	utfmathaccent	function
getitalics	function	utfmathclass	function
getstyle	function	utfmathcommand	function
horizontalcode	function	utfmathfiller	function
initializeparameters	function	utfmathstretch	function

mbox (context)

parse	function
parse_from	function
parse_header	function
parse_headers	function

parse_message	function
split_headers	function
split_mbox	function
split_message	function

md5 (extra lua)

HEX function

crypt function

dec function

decrypt function

exor function

hex function

sum function

sumhexa function

metapost (context)

analyzeplugins	function	getstatistics	function
checkformat	function	gettext	function
checktexts	function	graphic	function
collapse	boolean	graphic_base_pass	function
colorinitializer	function	initializescriptrunner	function
comment	function	instance	function
convert	function	intermediate	table
defaultformat	string	T actions	
defaultinstance	string	F makempy	
defaultmethod	string	lastlog	string
directrun	function	load	function
escaped	function	makempy	table
exectime	table	N nofconverted	
extensiondata	data table	F processgraphics	
filterclippath	function	F registerfile	
flush	function	maketext	function
flushers	table	metafun	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		method	number
F startfigure		mptopdf	table
F stopfigure		F convertmpstopdf	
F textfigure		N nofconverted	
flushliteral	function	n	number
flushnormalpath	function	nvformat	function
flushreset	function	optimize	boolean
fonts	table	parse	function
F define		pdfliterals	function
T flusher		pluginactions	function
F flushfigure		popvariable	function
F startfigure		popvariables	function
F stopfigure		process	function
N instances		processplugins	function
F process		processspecial	function
format	function	properties	table
format_number	function	pushvariable	function
format_string	function	pushvariables	function
formatnumber	function	quickanddirty	function
getclippath	function	reducetogray	boolean
getextensions	function	reporterror	function
getjobdata	function	reset	function

resetlastlog	function	F get	
resetplugins	function	F reset	
runscript	function	F set	
scripterror	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setoutercolor	function	texexp	function
settext	function	texttextsdata	function
setvariable	function	theclippath	function
showlog	boolean	totable	function
simple	function	unload	function
svformat	function	untagvariable	function
tex	table	variables	table

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

BackSpace	function	OuterMarginWidth	function
BaselineSkip	function	OverlayDepth	function
BodyFontSize	function	OverlayHeight	function
BottomDistance	function	OverlayLineWidth	function
BottomHeight	function	OverlayOffset	function
BottomSpace	function	OverlayWidth	function
CurrentColumn	function	PageDepth	function
CurrentHeight	function	PageFraction	function
CurrentWidth	function	PageNumber	function
CutSpace	function	PageOffset	function
EmWidth	function	PaperBleed	function
ExHeight	function	PaperHeight	function
FooterDistance	function	PaperWidth	function
FooterHeight	function	PrintPaperHeight	function
HSize	function	PrintPaperWidth	function
HeaderDistance	function	RealPageNumber	function
HeaderHeight	function	RightEdgeDistance	function
InPageBody	function	RightEdgeWidth	function
InnerEdgeDistance	function	RightMarginDistance	function
InnerEdgeWidth	function	RightMarginWidth	function
InnerMarginDistance	function	SpineWidth	function
InnerMarginWidth	function	StrutDepth	function
LastPageNumber	function	StrutHeight	function
LayoutColumnDistance	function	TextHeight	function
LayoutColumnWidth	function	TextWidth	function
LayoutColumns	function	TopDistance	function
LeftEdgeDistance	function	TopHeight	function
LeftEdgeWidth	function	TopSkip	function
LeftMarginDistance	function	TopSpace	function
LeftMarginWidth	function	VSize	function
LineHeight	function	_f_	function
MakeupHeight	function	_get_count_	function
MakeupWidth	function	_get_dimen_	function
NOfColumns	function	_get_toks_	function
NOfPages	function	_set_count_	function
NamedColor	function	_set_dimen_	function
OnOddPage	function	_set_toks_	function
OnRightPage	function	boolean	function
OuterEdgeDistance	function	dataset	function
OuterEdgeWidth	function	datasets	table
OuterMarginDistance	function		

F load

defaultcolormodel	function	newhash	function
dimensions	function	numeric	function
disposehash	function	pair	function
format	function	path	function
formatted	function	prefix	function
get	table	print	function
F boolean		quadruple	function
F number		quoted	function
F numeric		report	function
F string		setcount	function
get_outline_text	function	setdimen	function
getcount	function	settoks	function
getdimen	function	size	function
gettoks	function	systemmode	function
graphformat	function	tb_dimensions	function
inhash	function	tohash	function
integer	function	triplet	function
isarray	function	tt_dimensions	function
mode	function	tt_initialize	function
n	function		

mplib (extra tex)

fields	function	get_numeric	function
finder	function	get_string	function
finders	table	new	overloaded function
F file		pen_info	function
get_boolean	function	preprocessed	function
get_number	function	version	function

noads (context)

handlers	table		F tags
F alternates			F unscript
F autofences			F variants
F classes		process	function
F collapse		processnested	function
F domains		processors	table
F families		T autofences	
F italics		T collapse	
F kernpairs		F mlist_to_hlist	
F makeup		T relocate	
F relocate		T render	
F render		T resize	
F resize		T unscript	
F showtree		processouter	function

node (basic tex)

check_discretionaries function
check_discretionary function
copy function
copy_list function
count function
current_attr function
dimensions function
direct table

F check_discretionaries
F check_discretionary
F copy
F copy_list
F count
F current_attr
F dimensions
F effective_glue
F end_of_math
F find_attribute
F first_glyph
F flush_list
F flush_node
F flush_properties_table
F free
F get_attribute
F get_properties_table
F getattributelist
F getboth
F getbox
F getchar
F getcomponents
F getdir
F getdisc
F getfield
F getfont
F getglue
F getid
F getkern
F getlang
F getleader
F getlist
F getnext

F getoffsets
F getpenalty
F getprev
F getproperty
F getsubtype
F getwhd
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before
F is_char
F is_direct
F is_glyph
F is_node
F is_zero_glue
F kerning
F last_node
F length
F ligaturing
F new
F protect_glyph
F protect_glyphs
F protrusion_skippable
F rangedimensions
F remove
F set_attribute
F set_properties_mode
F setattributelist
F setboth
F setbox
F setchar
F setcomponents
F setdir
F setdisc
F setfield
F setfont
F setglue
F setkern
F setlang

F setleader		getnext	function
F setlink		getprev	function
F setlist		getproperty	function
F setnext		getsubtype	function
F setoffsets		getwhd	function
F setpenalty		has_attribute	function
F setprev		has_field	function
F setproperty		has_glyph	function
F setsubtype		hpack	function
F setwhd		id	function
F slide		insert_after	function
F tail		insert_before	function
F todirect		is_char	function
F tonode		is_glyph	function
F tostring		is_node	function
F traverse		is_zero_glue	function
F traverse_char		kerning	function
F traverse_id		last_node	function
F unprotect_glyphs		length	function
F unset_attribute		ligaturing	function
F usedlist		mlist_to_hlist	function
F vpack		new	function
F write		next	function
effective_glue	function	prev	function
end_of_math	function	protect_glyph	function
family_font	function	protect_glyphs	function
fields	function	protrusion_skippable	function
find_attribute	function	rangedimensions	function
first_glyph	function	remove	function
flush_list	function	set_attribute	function
flush_node	function	set_properties_mode	function
flush_properties_table	function	setboth	function
free	function	setfield	function
get_attribute	function	setglue	function
get_properties_table	function	setlink	function
getboth	function	setnext	function
getchar	function	setprev	function
getdisc	function	setproperty	function
getfield	function	setwhd	function
getfont	function	slide	function
getglue	function	subtype	function
getid	function	subtypes	function
getleader	function	tail	function
getlist	function	tostring	function

traverse	function	unset_attribute	function
traverse_char	function	usedlist	function
traverse_id	function	vpack	function
type	function	whatsits	function
types	function	write	function
unprotect_glyphs	function		

nodes (context)

accentcodes	data table	fields	function
aligned	function	fillcodes	data table
append	function	find_attribute	function
apply	function	first_glyph	function
astable	function	firstcharacter	function
basepoints	function	firstcharinbox	function
boundarycodes	data table	firstdirinbox	function
boxes	table	firstglyph	function
F dimensions		flush	function
F direct		flush_list	function
F found		flush_node	function
F reset		free	function
F restore		fullhpack	function
F save		getbox	function
builders	table	getchar	function
F buildpage_filter		getdisc	function
F vpack_filter		getfield	function
check_discretionaries	function	getfont	function
codes	data table	getglue	function
concat	function	getid	function
copy	function	getleader	function
copy_list	function	getlist	function
copy_node	function	getnext	function
count	function	getprev	function
countall	function	getsubtype	function
current_attr	function	getwhd	function
delete	function	gluecodes	data table
destinations	table	glyphcodes	data table
N attribute		glyphdir_is_equal	data table
T done		glyphdir_is_opposite	data table
F handler		glyphdir_is_orthogonal	data table
T stack		handlers	table
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
effective_glue	function	F cleanupbox	
end_of_math	function	F cleanuppage	
fencecodes	data table	F export	

F finalize		keys	table
F migrate		T whatsit	
F protectglyphs		last_node	function
F stripping		leadercodes	data table
F unprotectglyphs		leftmarginwidth	function
has_attribute	function	length	function
has_field	function	ligaturing	function
has_glyph	function	linefillers	table
hpack	function	D data	
idstosting	function	F define	
ignorablefields	data table	F enable	
injections	table	F handler	
F copy		lines	table
F getligaindex		T boxed	
F getthreshold		F register	
F handler		F setup	
F installnewkern		F stage_one	
F isspace		F stage_two	
F keepcounts		D data	
F reset		F finalize	
F resetcounts		F number	
F setcursive		N scratchbox	
F setkern		link	function
F setligaindex		linked	function
F setmark		list	function
F setpair		listablefields	data table
F setspacekerns		listcodes	data table
insert_after	function	listtoutf	function
insert_before	function	load	function
insert_list_after	function	locate	function
installattributehandler	function	margincodes	data table
is_char	function	marginkerncodes	data table
is_direct	function	markers	table
is_display_math	function	F get	
is_glyph	function	mathcodes	data table
is_mirrored	data table	maxboxwidth	function
is_node	function	mlist_to_hlist	function
is_nut	function	new	function
is_rotated	data table	noadcodes	data table
is_zero_glue	function	noadoptions	table
ischar	function	N axis	
isglyph	function	N exact	
kerncodes	data table	N left	
kerning	function	N middle	

N no_axis		F getbox
N right		F getchar
N set		F getcomponents
N unused_1		F getdir
N unused_2		F getdisc
nodecodes	data table	F getdiscretionary
nopts	function	F getfield
nuts	table	F getfont
F append		F getglue
F apply		F getid
F applyvisuals		F getkern
F check_discretionaries		F getlang
F concat		F getlanguage
F copy		F getleader
F copy_list		F getlist
F copy_no_components		F getnext
F copy_node		F getoffsets
F copy_only_glyphs		F getpenalty
F copy_properties		F getprev
F copyvisual		F getprop
F count		F getsubtype
F count_components		F getsurround
F countall		F getwhd
F current_attr		F has_attribute
F delete		F has_field
F dimensions		F has_glyph
F effective_glue		F hpack
F end_of_math		F insert_after
F find_attribute		F insert_before
F first_glyph		F insert_list_after
F firstcharacter		F is_char
F firstcharinbox		F is_direct
F firststglyph		F is_display_math
F flush		F is_glyph
F flush_list		F is_node
F flush_node		F is_nut
F free		F is_zero_glue
F fullhpack		F ischar
F get_components		F isglyph
F getattr		F kerning
F getattribute		F last_node
F getattributelist		F leftmarginwidth
F getattrlist		F length
F getboth		F ligaturing

F link	F temp
F linked	F textdir
F locate	F usage
F mlist_to_hlist	F userattributes
F nestedtracedslide	T userids
F new	N margins.inline
T pool	N property
F baselineskip	N splitters.one
F boundary	N splitters.two
F cleanup	F userlist
F disc	F userlua
F emptyrule	F usernumber
F fontkern	F userrule
F glue	F userstring
F gluespec	F usertokens
F glyph	F vlist
F hlist	F wordboundary
F italicern	F prepend
F kern	F protect_glyph
F latelua	F protect_glyphs
F lateluafunction	F protrusion_skippable
F leftmarginkern	F rangedimensions
F leftskip	F rawprop
F lineskip	F reference
F negatedglue	F rehpack
F noad	F remove
F pdfannotation	F repackhlist
F pdfdestination	F replace
F pdfdirectliteral	F rightmarginwidth
F pdfliteral	F set_attribute
F pdforiginliteral	F set_components
F pdfpageliteral	F setattr
F pdfrawliteral	F setattrtribute
F pdfrestore	F setattrtributelist
F pdfsave	F setattrtributes
F pdfsetmatrix	F setattrrlist
F penalty	F setboth
F register	F setbox
F rightmarginkern	F setchar
F rightskip	F setcomponents
F rule	F setdir
F shrink	F setdisc
F special	F setdiscretionary
F stretch	F setfield

F setfont
 F setglue
 F setkern
 F setlang
 F setlanguage
 F setleader
 F setlink
 F setlist
 F setnext
 F setoffsets
 F setpenalty
 F setprev
 F setprop
 F setsubtype
 F setsurround
 F setunsetattributes
 F setvisual
 F setvisuals
 F setwhd
 F slide
 F somepenalty
 F somespace
 F splitbox
 F tail
 F take_components
 F takeattr
 F takebox
 F takelist
 F theprop
 F tonode
 F tonodes
 F tonut
 F tosequence
 F toString
 F tracedslide
 F traverse
 F traverse_char
 F traverse_id
 T typesetters
 F tohbox
 F tohpack
 F tonodes
 F toinbox
 F toinbox

F unprotect_glyphs
 F unset_attribute
 F unsetattribute
 F unsetattributes
 F untracedslide
 F use_components
 F usedlist
 F vianodes
 F vianuts
 F vpack
 F write

packlist
pardir_is_equal
pardir_is_opposite
pardir_is_parallel
partextdir_is_equal
penaltycodes
plugindata

F finalizer
 F initializer
 S name
 T namespace
 N attribute
 D data
 F enable
 F handler
 F register
 D registered
 D values
 F processor

points
pool

F baselineskip
 F cleanup
 F glyph
 F hlist
 F kern
 F latelua
 F lineskip
 F pdfdirect
 F pdfliteral
 F pdforiginliteral
 F pdfrestore
 F pdfsave

function
 data table
 data table
 data table
 data table
 data table
 data table

function
 table

F pdfsetmatrix	
F register	
F rule	
F special	
F usage	
F usernumber	
F vlist	
prepend	function
print	function
processors	table
B enabled	
F hpack_filter	
F post_linebreak_filter	
F pre_linebreak_filter	
F tracer	
processranges	function
processwords	function
properties	table
T actions	
F delayed	
F fdelayed	
F immediate	
F attach	
T data	
F delayed	
protect_glyph	function
protect_glyphs	function
protrusion_skippable	function
pts	function
radicalcodes	data table
rangedimensions	function
reference	function
references	table
N attribute	
T done	
F handler	
T stack	
reheapack	function
remove	function
repackhlist	function
replace	function
report	function
rightmarginwidth	function
rulecodes	data table

rules	table
D data	
F define	
F enable	
F handler	
T ruleactions	
F draw	
F fill	
F mp	
F stroke	
F userrule	
save	function
serialize	function
serializebox	function
set_attribute	function
setattributes	function
setbox	function
setboxtonaturalwd	function
setfield	function
setglue	function
setunsetattributes	function
setwhd	function
shifts	table
D data	
F define	
F enable	
F handler	
show	function
showboxes	function
showcodes	function
showlist	function
showsimplelist	function
skipcodes	data table
slide	function
snapshots	table
F getparameters	
F getsamples	
F resetsamples	
F takesample	
somepenalty	function
somespace	function
splitbox	function
stripdiscretionaries	function
stripping	table

T glyphs		totable	function
F set		totree	function
strip	function	toutf	function
range		tracers	table
tail	function	T characters	
takeattr	function	F collect	
takebox	function	F equal	
tasks	table	F start	
F actions		F string	
F appendaction		F unicodes	
F disableaction		T colors	
F disablegroup		F reset	
F enableaction		F set	
F enablegroup		F setlist	
F freeze		F fontchar	
F freezegroup		T frequencies	
F new		F register	
F prependaction		T pool	
F removeaction		T nodes	
F replaceaction		F rule	
F restart		T nuts	
F setaction		F rule	
F showactions		F resetproperties	
F table		F rule	
textdir_is_equal	data table	F setlist	
textdir_is_is	data table	F setproperties	
textdir_is_opposite	data table	F start	
textdir_is_parallel	data table	T steppers	
tobasepoints	function	F check	
tocentimeters	function	F codes	
toxiceros	function	F features	
todidots	function	F font	
todimen	function	F glyphs	
toinches	function	F message	
tomillimeters	function	F messages	
tonewciceros	function	F nofsteps	
tonewdidots	function	F register	
tonode	function	F reset	
tonodes	function	F start	
tonut	function	F stop	
topicas	function	F stop	
topoints	function	T transparencies	
toscaledpoints	function	F reset	
tosequence	function	F set	
tostring	function		

F setlist		usedlist	function
traverse	function	usercodes	data table
traverse_char	function	vianodes	function
traverse_id	function	vianuts	function
typesetters	table	visualizebox	function
F hbox		visualizers	table
F hpack		F box	
F tohbox		F handler	
F tohpack		F markfonts	
F tonodes		F setfont	
F tovbox		F setlayer	
F tovpack		F setvisual	
F vpack		vpack	function
unprotect_glyphs	function	whatcodes	data table
unset_attribute	function	whatsitcodes	data table
unsetattribute	function	write	function
unsetattributes	function		

number (context)

	function	tobitstring	function
basepoints	function	tocentimeters	function
bit	function	tociceros	function
bits	function	tocontext	function
bytetodecimal	function	todidots	function
clearbit	function	todimen	function
decimaltobyte	function	toevenhex	function
dimenfactors	data table	toinches	function
formatted	function	tomillimeters	function
hasbit	function	tonewciceros	function
maxdimen	number	tonewdidots	function
nopts	function	tonumberf	function
percent	function	tonumberg	function
points	function	topicas	function
pts	function	topoints	function
setbit	function	toscaled	function
signed	function	toscaledpoints	function
sparseexponent	function	toset	function
splitdimen	function	valid	function
tobasepoints	function		

objects (context)

data	table	page	function
dimensions	function	reference	function
found	function	register	function
n	number	restore	function

os (basic lua)

__getenv__	function	remove	overloaded function
__setenv__	function	rename	overloaded function
binsuffix	string	resolvers	table
binsuffixes	table	F bits	
clock	function	resultof	function
converttime	function	runtime	function
date	function	selfdir	string
difftime	function	setenv	overloaded function
env	data table	setlocale	overloaded function
exec	overloaded function	sleep	function
execute	overloaded function	spawn	overloaded function
exit	function	time	function
fulltime	function	times	function
getenv	overloaded function	timezone	function
gettimeofday	function	tmpdir	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdatetime	function
nofdays	function	weekday	function
now	function	where	function
platform	string	which	function

package (basic lua)

config	string	loaders	table
cpath	string	loadlib	function
extralibpath	function	luapaths	function
extralibpaths	function	path	string
extralupath	function	preload	table
extralupaths	function	searchers	table
helpers	table	searchpath	function
libpaths	function	seeall	function
loaded	table		

pagebuilders (context)

columnsets table

- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea

- F sethsize
- F sethspace
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

- F cleanup
- F finalize
- F getlist
- F getrest
- F getsplit
- F setsplit

pdf (basic tex)

fontname	function	immediateobj	function
fontobjnum	function	mapfile	function
fontsize	function	mapline	function
getcatalg	function	maxobjnum	function
getcompresslevel	function	newcolorstack	function
getcreationdate	function	obj	function
getdecimaldigits	function	objtype	function
getdestmargin	function	pageref	function
getgentounicode	function	print	function
gethpos	function	refobj	function
getignoreunknownimages	function	registerannot	overloaded function
getimageresolution	function	reserveobj	function
getinclusionerrorlevel	function	setcatalg	overloaded function
getinfo	function	setcompresslevel	function
getlastannot	function	setdecimaldigits	function
getlastlink	function	setdestmargin	function
getlastobj	function	setfontattributes	function
getlinkmargin	function	setgentounicode	function
getmajorversion	function	setignoreunknownimages	function
getmatrix	function	setimageresolution	function
getminorversion	function	setinclusionerrorlevel	function
getnames	function	setinfo	overloaded function
getobjcompresslevel	function	setlinkmargin	function
getomitcidset	function	setmajorversion	function
getorigin	function	setminorversion	function
getpageattributes	function	setnames	overloaded function
getpageresources	function	setobjcompresslevel	function
getpagesattributes	function	setomitcidset	function
getpkresolution	function	setorigin	function
getpos	function	setpageattributes	overloaded function
getretval	function	setpageresources	overloaded function
getsuppressoptionalinfo	function	setpagesattributes	overloaded function
getthreadmargin	function	setpkresolution	function
gettrailer	function	setsuppressoptionalinfo	function
gettrailerid	function	setthreadmargin	function
getversion	function	settrailer	overloaded function
getvpos	function	settrailerid	function
getxformattributes	function	setxformattributes	function
getxformmargin	function	setxformmargin	function
getxformresources	function	setxformresources	function
hasmatrix	function	xformname	function

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

profiler (extra lua)

pause function
resume function

start function
stop function

publications (context)

addtexentry	function	S author
analyze	function	T categories
anywhere	function	T article
authorcache	data table	S category
authorcollapsers	data table	T extra
authorhashers	table	T fields
F invertedshort		S author
F normal		S editor
F normalinverted		S journal
F normalshort		S keywords
F short		S number
authormap	data table	S pages
authortoregister	function	S title
casters	table	S volume
F author		S year
F keyword		T optional
F pagenumber		T required
F range		T sets
checkeddataset	function	T author
citevariants	table	T virtual
F author		T book
F authornum		S category
F authoryear		T extra
F authoryears		T fields
F category		S address
F default		S author
F entry		S edition
F index		S editor
F keywords		S keywords
F num		S number
F page		S publisher
F short		S subtitle
F tag		S title
F textnum		S volume
F year		S year
collected	data table	T optional
components	table	T required
F author		T sets
concatstate	function	T author
converttoxml	function	T editionset
currentspecification	table	T virtual

T demo-a	T virtualfields	
S category	B authornum	
T extra	B authoryear	
T fields	B authoryears	
S author	B num	
S institution	B suffix	
S organization	datasets	table
S subtitle	detailed	table
S title	endnotes_to_btx	function
S year	enhancer	table
T optional	S arguments	
T required	T askip	
T sets	B dirty	
T author	T gskip	
T virtual	T kind	
T demo-b	T list	
S category	T system	
T extra	T order	
T fields	enhancers	table
S author	F details	
S institution	F order	
S organization	F suffixes	
S subtitle	finder	function
S title	firstofrange	function
S year	found	function
T optional	get	function
T required	getcasted	function
T sets	getdetail	function
T authors	getdirect	function
T virtual	getfaster	function
S comment	getfield	function
S copyright	getfuzzy	function
T fields	getindex	function
S name	inspectors	data table
T types	journals	table
S author	F abbreviated	
S editor	F add	
S keywords	F expanded	
S number	F load	
S page	F save	
S pages	lastofrange	function
S volume	lists	table
S version	F collectentries	
D virtual	F combiinlist	

F fetchentries		okay	function
F filterall		oneorange	function
F flushcombi		parenttag	function
F flushentry		permitted	function
T methods		refman_to_btx	function
F dataset		resolvedname	function
F force		save	function
F global		search	function
F local		setcategory	function
F nofregettered		setspecification	function
F prepareentries		singularorplural	function
F register		sortedentries	function
F sameasprevious		sortmethods	table
T sorters		T authoryear	
F cite		T sequence	
F dataset		specifications	table
F default		T default	
F index		S author	
F list		S comment	
F reference		S copyright	
F short		S name	
F used		S version	
F uservariable		D virtual	
listvariants	table	splitauthor	function
F default		splitoneauthor	function
F index		statistics	table
F num		N nofbytes	
F page		N nofdatasets	
F short		N nofdefinitions	
F tag		N nofshortcuts	
load	function	tables	table
loadbibdata	function	D implicits	
loaddefinitionfile	function	D origins	
loaders	table	D privates	
F bbl		D sets	
F bib		D specials	
F buffer		D types	
F endnote		D virtuals	
F lua		tags	function
F refman		tracers	table
F registercleaner		F showdatasetauthors	
F xml		F showdatasetcompleteness	
loadreplacementfile	function	F showdatasetfields	
new	function	F showentry	

F showfields		usedataset	function
F showhashedauthors		usedentries	function
F showtables		writers	table
F showvariants		F author	
typesetters	table	F keyword	
F author		F pagenumber	
F string		F range	

regimes (context)

cleanup	function
disable	function
enable	function
fromregime	function
pop	function

process	function
push	function
toregime	function
translate	function

resolvers (context)

allprefixes	function	findtexfile	function
appendhash	function	findwildcardfile	function
automount	function	findwildcardfiles	function
automounted	table	formatofsuffix	function
booleanvariable	function	formatofvariable	function
cacheversion	string	formats	data table
checkedvariable	function	generators	data table
cleanedpathlist	function	get_from_content	function
cleanpath	function	getenv	function
cleanpathlist	function	getownpath	function
concatinators	data table	getreadfilename	function
configbanner	string	hashers	data table
criticalvars	data table	homedir	string
dangerous	data table	inputstack	table
datastate	function	installinputfilehandler	function
defaultsuffixes	table	installinputlinehandler	function
dowithfilesandreport	function	instance	table
dowithfilesintree	function	D data	
dowithpath	function	B diskcache	
dowithvariable	function	D environment	
env	function	D expansions	
executers	table	D fakepaths	
expandbraces	function	D files	
expandedpathfromlist	function	B force_suffixes	
expandedpathlist	function	D found	
expandedpathlistfromvariable	function	D foundintrees	
expandpath	function	D hashed	
expandpathfromvariable	function	D hashes	
expansion	function	D lists	
extendtexmfvariable	function	B loaderror	
filtered_from_content	function	D order	
find_file	function	D pathlists	
find_files	function	T pathstack	
findbinfile	function	B remember	
findctxfile	function	B renewcache	
finders	data table	B renewtree	
findfile	function	B savelists	
findfiles	function	D setups	
findgivenfile	function	D specification	
findgivenfiles	function	D variables	
findpath	function	jobpath	function

jobs	table	registerextrapath	function
F currentcomponent		registerfile	function
F currentenvironment		registerfilehash	function
F currentproduct		registerintrees	function
F currentproject		registermethod	function
F justacomponent		registerzipfile	function
D processors		relations	data table
F productcomponent		renew	function
F usefile		repath	function
joinpath	function	reset	function
load	function	resetextrapath	function
loadbinfile	function	resetmemstream	function
loaders	data table	resetresolve	function
loadlualib	function	resolve	function
loadtexfile	function	savers	data table
loadtime	function	scandata	function
locateformat	function	scanfiles	function
locators	data table	schemes	table
luacnfname	string	T cleaners	
luacnfspec	string	F md5	
luacnfstate	string	F none	
macros	table	F strip	
F convertfile		F cleanname	
F decodecomment		F fetchstring	
F enablecomment		F fetchtable	
F encodecomment		F install	
F preprocessed		setdynamic	function
F processmk		setenv	function
F processmkvi		setinstance	function
F version		setmemstream	function
maxreadlevel	number	showpath	function
methodhandler	function	simplescanfiles	function
newinstance	function	splitconfigurationpath	function
openbinfile	function	splitexpansions	function
openers	data table	splitmethod	function
openfile	function	splitpath	function
opentexfile	function	stackpath	function
ownpath	string	suffixes	data table
popextrapath	function	suffixmap	data table
poppath	function	suffixofformat	function
prefixes	data table	texdatablob	function
prependhash	function	toppath	function
pushextrapath	function	unexpandedpath	function
pushpath	function	unexpandedpathlist	function

unresolve	function	validatedpath	function
updaterelations	function	variable	function
updatescript	function	variableofformat	function
uselibrary	function	variableofformatorsuffix	function
usertypes	data table	wildcardpattern	function
usezipfile	function		

sandbox (context)

binaryhandler	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function
possiblepath	function

redefine	function
register	function
registerbinary	function
registerroot	function
registerrunner	function
report	function
run	function
runhandler	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature	table	N inter_char_stretch_factor
F disable		N inter_word_stretch_factor
F enable		handlers
F handler		data table
categorytonumber	data table	hash
colors	data table	table
decomposehangul	function	injectors
defaults	table	data table
N inter_char_half_shrink_factor		installdataset
N inter_char_half_stretch_factor		function
N inter_char_hangul_penalty		installmethod
N inter_char_quarter_shrink_factor		function
N inter_char_quarter_stretch_factor		numbertocategory
N inter_char_shrink_factor		data table
		numbertodataset
		data table
		numbertohandler
		data table
		reset
		function
		set
		function
		splitters
		data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

socket (extra lua)

BLOCKSIZE number
_DEBUG boolean
_SETSIZE number
bind function
choose function
connect function
connect4 function
connect6 function
dns table

F getaddrinfo
F gethostname
F getnameinfo
F tohostname
F toip

ftp table

S PASSWORD
N PORT
N TIMEOUT
S USER
F command
F get
F open
F put

gettime function

headers table

T canonic
S accept
S accept-charset
S accept-encoding
S accept-language
S accept-ranges
S action
S age
S allow
S alternate-recipient
S arrival-date
S authorization
S bcc
S cache-control
S cc
S comments

S connection
S content-description
S content-disposition
S content-encoding
S content-id
S content-language
S content-length
S content-location
S content-md5
S content-range
S content-transfer-encoding
S content-type
S date
S diagnostic-code
S dsn-gateway
S etag
S expect
S expires
S final-log-id
S final-recipient
S from
S host
S if-match
S if-modified-since
S if-none-match
S if-range
S if-unmodified-since
S in-reply-to
S keywords
S last-attempt-date
S last-modified
S location
S max-forwards
S message-id
S mime-version
S original-envelope-id
S original-recipient
S pragma
S proxy-authenticate
S proxy-authorization
S range

S received
 S received-from-mta
 S references
 S referer
 S remote-mta
 S reply-to
 S reporting-mta
 S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer

http **table**

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry **function**

protect **function**
select **function**
sink **function**
sinkt **table**

F close-when-done
 F default
 F http-chunked
 F keep-open

skip **function**
sleep **function**
smtp **table**

S DOMAIN
 N PORT
 S SERVER
 N TIMEOUT
 S ZONE
 F message
 F open
 F send

source **function**
sourcet **table**

F by-length
 F default
 F http-chunked
 F until-closed

tcp **function**
tcp6 **function**
tp **table**

N TIMEOUT
 F connect

try **function**
udp **function**
udp6 **function**
url **table**

F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

packch function

packuc function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

checkfmtstatus	function	resettiming	function
elapsed	function	runtime	function
elapsedindeed	function	savefmtstatus	function
elapsedseconds	function	show	function
elapsedtime	function	starttiming	function
enable	boolean	stoptiming	function
formatruntime	function	threshold	number
hastiming	function	timed	function
memused	function	tracefunction	function
register	function		

status (basic tex)

list function **resetmessages** function

storage (context)

allocate	function	noftables	number
data	table	register	function
mark	function	shared	data table
marked	function	storedfunctions	data table
max	number	strip	boolean
min	number	tofmodules	number
nofmodules	number	toftables	number

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	quote	function
booleanstring	function	quoted	function
byte	function	rep	function
bytepairs	function	replacenewlines	function
bytes	function	reverse	function
char	function	split	function
characterpairs	function	splitlines	function
characters	function	splitup	function
checkedsplit	function	strip	function
collapsespaces	function	sub	function
count	function	tformat	function
dump	function	toHEX	function
escapedpattern	function	toboollean	function
explode	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
is_boolean	function	toutf	function
is_empty	function	tracedchar	function
itself	function	tracedchars	table
len	function	unquote	function
limit	function	unquoted	function
longtostring	function	upper	function
lower	function	utfcharacters	function
match	function	utfvalues	function
nspace	table	valid	function

structures (context)

atlocation	function	F previous
blocks	table	F raw
D collected		F record
F define		F reset
F print		F restart
F save		F restore
F select		F save
F setstate		F set
D states		F setlevel
D tobesaved		F setoffset
bookmarks	table	F setown
T extras		F setstate
F get		F setvalue
F mergesections		T specials
F register		F userpage
F reset		F subs
F tosections		D tobesaved
F finalize		F value
F flatten		F way
F installhandler		currentsectionnumber function
F merge		descriptions table
S method		documents table
F overload		D data
F place		F initialize
F register		F preset
F setup		F reset
counters	table	floats table
F add		formulas table
F analyze		helpers table
F check		F analyze
D collected		F formulanumber
F compact		F merged
F converted		F page
F currentvalue		F pageofinternal
D data		F prefix
F define		F prefixlastpage
F first		F prefixpage
F get		F simplify
F last		F title
F next		F touserdata
F prev		inserts table

D data		F savedlistnumber	
F define		F savedlistprefixednumber	
F getdata		F savedlisttitle	
F getlocation		D sectionblocks	
F getname		F sectionnumber	
F getnumber		F size	
F setlocation		F title	
F setup		D tobесaved	
D stored		F userdata	
		F uservalue	
itemgroups	table	marks	table
lists	table		
F addto		D data	
F analyze		F define	
B autoreorder		F exists	
D cached		F fetch	
D collected		F fetchallmarks	
F discard		F fetched	
F enhance		F fetchonemark	
T enhancers		F fetchtwomarks	
F filter		F get	
F formulainumber		F number	
F getresult		F relate	
F groupindex		F reset	
F hasnumberdata		F set	
F haspagedata		F show	
F hastitledata		F synchronize	
F iscached		F title	
D kinds		T tracers	
F label		F showtable	
F location		notes	table
D names		F check_spacing	
F number		F checkpagechange	
D ordered		F define	
F page		F doifonsamepageasprevious	
F popnesting		F get	
F prefix		F getdeltapage	
F prefixednumber		F getinternal	
F prefixedpage		F getn	
F process		F getstate	
D pushed		F hascontent	
F pushnesting		F internal	
F realpage		F internalid	
F reordered		F listindex	
T result		F ordered	

F postpone	D filters
F resetpostponed	D flaginternals
F restore	F from
F save	D functions
F setstate	F get
D states	F getcurrentmetadata
F store	F getcurrentprefixspec
pages	F getinnermethod
	F getinternalcachedlistreference
F analyze	F getinternallistreference
D collected	F getinternalreference
F in_body	D handlers
F is_odd	F identify
N nopages	F import
F number	F inject
F on_right	F injectcurrentset
F save	S innermethod
D tobesaved	D internals
references	F load
	F loadpresets
F analyze	F mark
F checkedfile	D pages
F checkedfileorurl	U prefixsplitter
F checkedprogram	D productdata
F checkedrealpage	T programs
F checkedurl	T data
D collected	F define
U componentsplitter	F get
F currentmetadata	F realpageofpage
F currentorder	U referencesplitter
D currentset	D referred
F define	F referredpage
D defined	F registerfinalizer
D derived	F registerinitializer
F enableinteraction	F registerpage
F enhance	F reportproblems
D executers	F reset
F expandcurrent	D runners
F export	F set
T files	F setandgetattribute
T data	F setcomponent
F define	F setinnermethod
F found	F setinternalreference
F get	F setnextinternal
F filter	
F filterdefault	

- F setnextorder
- F setreferencerealpage
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- F synchronizepage
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments
- T testspecials
 - F deltapage
 - F i
 - F internal
 - F page
 - F realpage
 - F section
 - F userpage
- D tobereferred
- D tobesaved
- D tracedpages
- T urls
 - T data
 - F define
 - F found
 - F get
 - F untex
- D usedinternals
- D usedviews
- F valid

registers

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F findinternal
- F flush

table

- F get
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections

table

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F currentsectionindex
- F depthnumber
- F finddata
- F findnumber
- F fullnumber
- F getcurrentlevel
- F getlevel
- F getnumber
- F internalreference
- D levelmap
- D levels
- F load
- F matchingtilldepth
- F numberatdepth
- F numbers
- F popblock
- F prefixedconverted
- F pushblock
- F register
- D registered
- F reportstructure
- F save
- T sectionblockdata
 - T bodypart
 - S bookmark
- F set
- F setblock

- F setchecker
- F setentry
- F setinitialblock
- F setlevel
- F setnumber
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets table

- F define
- F get
- F getall
- D setlist

specials table

- D collected
- F retrieve
- F store
- D tobesaved

synonyms table

- F analyzed
- D collected
- F compare
- F define
- F filter
- F finalize
- F flush
- F isshown
- F isused
- F meaning
- F prepare
- F process
- F register
- F registershown
- F registerused
- F resetshown
- F resetused
- F sort
- F synonym
- D tobesaved

tags

- F elementtag
- F finishexport
- F getid
- F handler
- D labels
- F last
- F lastinchain
- F locatedtag
- T patterns
- U splitter
- D properties
- F registermetadata
- F restart
- F setaspect
- F setattributefield
- F setcombination
- F setfigure
- F sethighlight
- F setitem
- F setitemgroup
- F setlist
- F setnotation
- F setnotationsymbol
- F setproperty
- F setregister
- F setsorting
- F setsynonym
- F settablecell
- F settabulatecell
- F settagdelimitedsymbol
- F settagssubsentencesymbol
- F setupexport
- F setuserproperties
- D specifications
- F start
- F stop
- F strip
- D taglist
- T usewithcare
- T images

table

table (basic lua)

allkeys	function	print	function
append	function	remove	function
are_equal	function	reverse	function
autokey	function	reversed	function
collapsed	function	save	function
collapsedhash	function	sequenced	function
compact	function	serialize	function
concat	function	setmetatablecall	function
contains	function	setmetatableindex	function
copy	function	setmetatablekey	function
count	function	setmetatablenewindex	function
derive	function	sort	function
deserialize	function	sorted	function
drop	function	sortedhash	function
fastcopy	function	sortedhashkeys	function
fastserialize	function	sortedhashonly	function
filtered	function	sortedindexonly	function
flattened	function	sortedkeys	function
fromhash	function	sortedpairs	function
getmetatablekey	function	sparse	function
has_one_entry	function	strip	function
hashed	function	sub	function
identical	function	swapped	function
imerge	function	tocontext	function
imerged	function	tocsv	function
insert	function	tofile	function
is_empty	function	tohandle	function
keys	function	tohash	function
load	function	toxml	function
loweredkeys	function	twowaymapper	function
merge	function	unique	function
merged	function	unnest	function
mirrored	function	unpack	function
pack	function	values	function
prepend	function		

tex (basic tex)

attribute	table	gettoks	function
badness	function	getuccode	function
box	table	glue	table
catcode	table	hashtokens	function
conditionals	data table	ifs	data table
constants	data table	inimatcodes	number
count	table	init_rand	function
cprint	function	isattribute	function
ctdcatcodes	number	isbox	function
ctxcatcodes	number	iscount	overloaded function
definefont	function	isdefined	function
delcode	table	isdimen	overloaded function
dimen	table	ismuskip	overloaded function
directives	data table	isskip	overloaded function
enableprimitives	function	istoken	function
error	function	istoks	function
extraprimitives	function	lccode	table
finish	function	linebreak	function
fontidentifier	function	lists	table
fontname	function	lua_math_random	function
fprint	function	lua_math_randomseed	function
get	function	luacatcodes	number
getattribute	function	mathcode	table
getbox	function	modes	data table
getboxresourcedimensions	function	muglue	table
getcatcode	function	muskip	table
getcount	function	nest	table
getdelcode	function	nilcatcodes	number
getdelcodes	function	normal_rand	function
getdimen	function	notcatcodes	number
getglue	function	number	function
getlccode	function	primitives	function
getlist	function	print	function
getmath	function	prtcacodes	number
getmathcode	function	resetparagraph	function
getmathcodes	function	romannumeral	function
getmuglue	function	round	function
getmuskip	function	run	function
getnest	function	saveboxresource	function
getsfcode	function	scale	function
getskip	function	scantoks	function

set	function	skip	table
setattribute	function	sp	function
setbox	function	splitbox	function
setcatcode	function	sprint	function
setcount	function	systemmodes	data table
setdelcode	function	takebox	function
setdimen	function	texcatcodes	number
setglue	function	toks	table
setlccode	function	tpacatcodes	number
setlist	function	tpbcatcodes	number
setmath	function	tprint	function
setmathcode	function	trackers	data table
setmuglue	function	triggerbuildpage	function
setmuskip	function	txtcatcodes	number
setnest	function	type	function
setsfcode	function	uccode	table
setskip	function	uniform_rand	function
settoks	function	uniformdeviate	function
setuccode	function	uprint	function
sfcode	table	useboxresource	function
shipout	function	vrbcatcodes	number
show_context	function	write	function

texconfig (basic tex)

error_line	number	max_print_line	number
expand_depth	number	max_strings	number
formatname	string	nest_size	number
half_error_line	number	param_size	number
hash_extra	number	save_size	number
init	overloaded function	shell_escape	string
kpse_init	boolean	stack_size	overloaded number
max_in_open	number		

texio (basic tex)

setescape function
write function

write_nl function

tokens (context)

astable function
bgroup userdata
bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endoffline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace

collectors table

T data
F defaultwords
F dowithwords
F flush
F install
F register
T registered
F show
F test

compile function
constant function
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

defined function
egroup userdata
getters table

F box
F count
F dimen
F glue
F skip
F token

hbox userdata
istoken function
letter function
letters function
other function
pickup function
printlist function
scanners table

F boolean
F code
F conditional
F count
F csname
F dimen
F dimension
F glue
F integer
F keyword
F list
F lxmlid
F number
F scanclose
F scanopen
F skip
F string
F token
F tokens
F toks
F word

scantable function
setters table
F box

F count	F conditional
F dimen	F count
F glue	F csname
F macro	F dimen
F skip	F dimension
shortcuts table	F glue
T bits	F integer
N active	F keyword
N alignment	F list
N begingroup	F lxmlid
N character	F number
N close	F scanclose
N comment	F scanopen
N endgroup	F skip
N endofline	F string
N escape	F token
N ignore	F tokens
N invalid	F toks
N letter	F word
N mathshift	F scannumber
N open	F scanopen
N other	F scanstring
N parameter	F scanword
N space	F toboolean
N subscript	F todimen
N superscript	T tokens
N whitespace	F astable
N close	U bgroup
F inspect	T collectors
N open	F defaultwords
F report	F dowithwords
F scanboolean	F flush
F scanclose	F install
F scancode	F register
F scanconditional	F show
F scanscname	F test
F scandimen	F compile
F scandimension	F constant
F scaninteger	T converters
F scankeyword	S toboolean
F scanlist	S todimen
T scanners	S toglue
F boolean	S tonumber
F code	S tostring

F defined	N open
U egroup	F report
T getters	F scanboolean
F box	F scanclose
F count	F scancode
F dimen	F scanconditional
F glue	F scansname
F skip	F scandimen
F token	F scandimension
U hbox	F scaninteger
F istoken	F scankeyword
F letter	F scanlist
F letters	F scannumber
F other	F scanopen
F pickup	F scanstring
F printlist	F scanword
F scantable	F toboolean
T setters	F todimen
F box	F tonumber
F count	F tostring
F dimen	U vbox
F glue	U vtop
F macro	F tonumber
F skip	F tostring
T shortcuts	vbox userdata
N close	vtop userdata
F inspect	

tracers (context)

count	function	primitive	function
cs	function	printerror	function
dimen	function	printwarning	function
knownlist	function	showlines	function
lists	table	strings	table
T context		S undefined	
T internals		toks	function
T scratch		type	function
name	function		

trackers (context)

data	data table	register	function
default	function	report	function
disable	function	reset	function
dumphashtofile	function	savehash	function
enable	function	show	function
list	function	value	function
name	string		

typesetters (context)

alignments	table		T handlers
F handler			F installhandler
F set			F processmath
breakpoints	table		F set
F define			F setcolor
F handler			F setmath
D mapping			F tomode
T methods		firstlines	table
T numbers		T actions	
F set		F default	
F setreplacement		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		fontkerns	table
F set		F handler	
characteralign	table	initials	table
F handler		T actions	
F resetcharacteralign		F default	
F setcharacteralign		F addanchortoline	
characters	table	F addtoline	
F handler		F calculatedelta	
T methods		F checkline	
F replacenbsp		F handler	
F replacenbspaces		F moveinline	
checkers	table	F normalize	
F handler		F set	
F reset		injectors	table
F set		F check	
cleaners	table	T list	
F handler		F mark	
F set		F reset	
digits	table	F set	
T actions		F show	
F handler		italics	table
F set		F enablemath	
directions	table	F enabletext	
F getfences		F forcevariant	
F getglobal		F handler	
F getmethod		F reset	
F handler		F set	

kerns table

D factors
F handler
F keepligature
B keptogether
D mapping
F set

manipulators table

F apply
F applyspecification
T methods
F Word
F Words
F abbreviatedjournal
F expandedjournal
F lowercase
F stripperperiod
F uppercase
T patterns
U list
U pair
F splitspecification

margins table

F finalhandler
F globalhandler
F localhandler
F save

marksuspects function

paragraphs table

F addanchortoline
F addtoline
F calculatedelta
F checkline
F handler
F moveinline
F normalize
F set

processors table

F apply
F register

F reset
F split
F startapply
F stopapply
F stripped
F tostring

rubies table

F attach
F check

showsuspects function

spacings table

F define
F handler
D mapping
T numbers
T frenchpunctuation
T characters
S name
N number

F reset
F set
F setup

wrappers table

F handler

xtables table

F cleanup
F construct
F create
F finish_row
F flush
F initialize_construct
F initialize_reflow_height
F initialize_reflow_width
F next_row
F reflow_height
F reflow_width
F set_construct
F set_reflow_height
F set_reflow_width

unicode (extra lua)

ascii table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

grapheme table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

latin1 table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub

F len
F lower
F match
F rep
F reverse
F sub
F upper

toutf32string function

utf8 table

F byte
F char
F characters
F chrln
F count
F dump
F filetype
F find
F format
F gfind
F gmatch
F gsub
F is_valid
F len
F length
F lower
F magic
F match
F remapper
F rep
F replacer
F reverse
F split
F splitlines
F sub
F substituter
F tocodes
F toeight
F toentities
F tostring
F totable
F upper

F ustring	F utf32_to_utf8_le_t
F utf16_to_utf8_be	F utf32_to_utf8_t
F utf16_to_utf8_be_t	F utf8_to_utf16
F utf16_to_utf8_le	F utf8_to_utf16_be
F utf16_to_utf8_le_t	F utf8_to_utf16_le
F utf16_to_utf8_t	F utf8_to_utf8_t
F utf32_to_utf8_be	F values
F utf32_to_utf8_be_t	F xstring
F utf32_to_utf8_le	

url (context)

addscheme	function
barepath	function
construct	function
escape	function
filename	function
hashed	function

hascheme	function
query	function
split	function
toquery	function
unescapeget	function

utilities (context)

debugger table

- F disable
- F enable
- F savestats
- F showstats
- F showtraceback

files table

- F close
- F getposition
- F getsize
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readchar
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readstring
- F readtag
- F setposition
- F size
- F skip
- F skiplong
- F skipshort
- F writebyte

- F writecardinal2
- F writecardinal4
- F writestring

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

- B alwaysstripcode
- F compile
- F loadedluacode
- F loadstripped
- N nofstrippedbytes
- N nofstrippedchunks
- F registerfinalizer
- B stripcode
- T strippedchunks
- F strippedloadstring
- T suffixes
- S lua
- S luc
- S lui
- S luj
- S luv
- S tma
- S tmc
- S tua
- S tuc

packers table

- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack
- N version

parsers table

F add_settings_to_array	T modern-variable,latin-modern-variable-designsize,latin-modern-variable
F arguments_to_table	B latin-modern-variable
F array_to_string	B latin-modern-variable-designsize
F csvsplitter	B modern-variable
F getparameters	T modernvariable,modern-variable
F groupedsplitat	B modern-variable
F hash_to_string	B modernvariable
T hashes	T modernvariablelight,modern-variable-light
T settings_to_set	B modern-variable-light
T max,fit,broad,auto	B modernvariablelight
B auto	T serif,sans,mono
B broad	B mono
B fit	B sans
B max	B serif
T modern,latin-modern	T text,hidden,paper,page,leftpage,rightpage
B latin-modern	B hidden
B modern	B leftpage
T modern,latin-modern,modern-variable,latin-modern-variable,modern-condensed,latin-modern-condensed	B paper
B latin-modern	B rightpage
B latin-modern-condensed	B text
B latin-modern-variable	F iterator
B modern	F keq_to_hash
B modern-condensed	F listitem
B modern-variable	F make_settings_to_hash_pattern
T modern,latin-modern-designsize,latin-modern	F mergehashes
B latin-modern	F options_to_array
B latin-modern-designsize	F options_to_hash
B modern	T patterns
T modern,modern-base	U settings_to_array
B modern	U settings_to_hash_a
B modern-base	U settings_to_hash_b
T modern-condensed,latin-modern-condensed-designsize,latin-modern-light-condensed,latin-modern-light	U settings_to_hash_c
B latin-modern-condensed	U unittotex
B latin-modern-condensed-designsize	F process_stripped_settings
B latin-modern-light-condensed	F rfc4180splitter
B modern-condensed	F runtime
B modern-light-condensed	F settings_to_array
T modern-light,latin-modern-light-designsize,latin-modern-light	F settings_to_array_obey_fences
B latin-modern-light	F settings_to_array_with_repeat
B latin-modern-light-designsize	F settings_to_hash
B modern-light	F settings_to_hash_strict
T modern-mono,modern-base-mono	F settings_to_hash_tolerant
B modern-base-mono	F settings_to_numbers
B modern-mono	

F settings_to_set		F reset	
F simple_hash_to_string		F show	
F splitmethod		stacker	table
F splitthousands		F new	
F stepper		storage	table
F stripped_settings_to_array		F allocate	
F unittotex		F checked	
F unittoxml		F mark	
randomizer	table	F marked	
F get		F setinitializer	
F getnumber		F sparse	
F getseed		streams	table
F popseed		F close	
F pushseed		F getposition	
F reuseseed		F look	
F setseed		F open	
F setseedi		F read2dot14	
report	function	F readbyte	
sequencers	table	F readbytes	
F appendaction		F readcardinal	
F appendgroup		F readcardinal1	
F compile		F readcardinal2	
F disableaction		F readcardinal3	
F disablegroup		F readcardinal4	
F enableaction		F readchar	
F enablegroup		F readfixed4	
D functions		F readinteger	
F localize		F readinteger1	
F new		F readinteger2	
F nodeprocessor		F readinteger4	
F prependaction		F readstring	
F prependgroup		F setposition	
F removeaction		F size	
F replaceaction		F skip	
F setkind		F skipbytes	
F tostring		F skiplong	
setters	table	F skipshort	
F disable		strings	table
F enable		F collapseCrLf	
F initialize		T formatters	
F list		F add	
F new		F new	
F register		F newrepeater	
F report		F nice	

T striplinepatterns		F definedtable	
U collapse		F definetable	
U prune		F encapsulate	
U prune and collapse		F insertaftervalue	
U prune and no empty		F insertbeforevalue	
U retain		F migratetable	
U retain and collapse		F removevalue	
U retain and no empty		F replacevalue	
F striplines		templates	table
F striplong		F load	
F tabtospace		F replace	
T tracers		F replacer	
tables	table	F resolve	
F accesstable			

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function

pop	function
push	function
right	function
rule	function
special	function

visualizers (context)

escapepatterns	data table	signal	string
getspecification	function	signalpattern	userdata
getvisualizer	function	specifications	data table
load	function	visualize	function
makenested	function	visualizebuffer	function
makepattern	function	visualizefile	function
newgrammar	function	visualizestring	function
newhandler	function	write	function
parsedxml	function	writeargument	function
pattern	function	writedefault	function
register	function	writeemptyline	function
registerescapecommand	function	writenewline	function
registerescapepline	function	writespace	function
registerescapepattern	function		

xml (context)

addentitiesdoctype	function
addspecialcode	function
after	function
all	function
applylpath	function
applyselector	function
assign	function
attribute	function
badinclusions	function
before	function
body	function
builtinentities	table
B amp	
B apos	
B gt	
B lt	
B quot	
cdata	function
cdatatotext	function
checkbom	function
checkerror	function
checknamespace	function
checkns	function
cleansed	function
collect	function
collect_elements	function
collect_tags	function
collect_texts	function
collected	function
collecttexts	function
content	function
convert	function
copy	function
count	function
cprint	function
css	table
F applyselector	
F colorspecification	
F dimension	
F fontspecification	
F padding	

defaulthandlers	table
D file	
D parsedxml	
D string	
D tex	
D texline	
D texspace	
D verbose	
defaultprotocol	string
delete	function
delete_element	function
despecialized	function
each	function
each_element	function
elements	function
elementtocdata	function
empty	function
entities	data table
erase	function
errorhandler	function
escaped	function
expressions	table
F boolean	
F child	
F contains	
F count	
F error	
F find	
F idstring	
F lower	
F name	
F number	
F oneof	
F print	
F quit	
F tag	
F text	
F undefined	
F upper	
fillin	function
filter	function

finalizers

F paragraphs
T tex
F all
F attribute
F chainattribute
F chainpath
F command
F concat
F concatrange
F context
F count
F ctxtext
F default
F first
F function
F index
F last
F lettered
F lower
F lowerall
F match
F name
F position
F reverse
F stripped
F tag
F tags
F text
F upper
F upperall
T xml
F all
F att
F attribute
F attributes
F cdata
F chainattribute
F count
F default
F elements
F empty
F first
F function

table

F index
F last
F lowerall
F match
F name
F position
F reverse
F table
F tag
F tags
F text
F texts
F upperall

first	function
found	function
functions	table
getbuffer	function
gethandlers	function
gethandlersfunction	function
helpers	table
F recursetext	
include	function
inclusion	function
inclusions	function
index	function
inheritedconvert	function
inject	function
inject_element	function
inject_element_after	function
inject_element_before	function
injectafter	function
injectbefore	function
insert	function
insert_element	function
insert_element_after	function
insert_element_before	function
insertafter	function
insertbefore	function
insertcdata	function
insertcomment	function
inspect	function
is_valid	function
kind	function
last	function

lastmatch	function	replace	function
load	function	replace_element	function
lpath	function	resetinjectors	function
lpathcached	function	resolvens	function
lpathcalls	function	root	function
lshow	function	save	function
makestandalone	function	selection	function
match	function	separate	function
name	function	serialize	function
newhandlers	function	setcdata	function
nodesettostring	function	setcomment	function
originalload	function	sethandlersfunction	function
package	function	setinjectors	function
parent	function	setProperty	function
parsedentitylpeg	userdata	settings	function
pihandlers	table	specialcodes	table
F injector		S "	
F tex		S #	
placeholders	table	S \$	
F unknown_any_entity		S %	
F unknown_dec_entity		S &	
F unknown_hex_entity		S '	
popmatch	function	S <	
position	function	S >	
privatecodes	table	S \	
privatetoken	function	S {	
process	function	S	
process_attributes	function	S }	
process_elements	function	S ~	
processattributes	function	specialhandler	table
profiled	table	sprint	function
pushmatch	function	string	function
raw	function	strip	function
registerentity	function	strip_whitespace	function
registers	function	stripelement	function
reindex	function	stripleadingspaces	function
remap_name	function	table	function
remap_namespace	function	text	function
remap_tag	function	textonly	function
remapname	function	texttocdata	function
remapnamespace	function	tocdata	function
remaptag	function	toelement	function
renamespace	function	tostring	function
reparsedentitylpeg	userdata	totable	function

toxml	function	unspecialized	function
tprint	function	withelement	function
traverse	function	withelements	function
unescaped	function	wrap	function
unescapedentitylpeg	userdata	xmlns	table
unprivatized	function		

zip (extra lua)

archives	table	openarchive	function
close	function	openfile	function
closearchive	function	registeredfiles	table
open	overloaded function	type	function

zlib (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function

decompress	function
decompressobj	function
version	function