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
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 lua luatex lxml math
mathematics mbox md5 metapost mime
moduledata modules mp mplib 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

ConTeXt MkIV

global (alias: _G)

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_LUAVERSION	number		**fontloader**	table
_MAJORVERSION	number		**fonts**	table
_MINORVERSION	number		**frozen**	boolean
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attributes	table		**getpos**	function
backends	table		**getvpos**	function
bit32	table		**global**	table
blobs	table		**graphics**	table
boolean	table		**gregorian_to_jalali**	function
buffers	table		**gzip**	table
builders	table		**img**	table
caches	table		**inspect**	function
callback	table		**interactions**	table
callbacks	table		**interfaces**	table
catcodes	table		**io**	table
characters	table		**ipairs**	function
chemistry	table		**jalali_to_gregorian**	function
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commands	table		**lang**	table
containers	table		**languages**	table
context	function		**last**	number
converters	table		**layouts**	table
coroutine	table		**lfs**	table
ctxrunner	table		**libraries**	table
debug	table		**lmx**	table
dimen	function		**load**	function
dir	table		**loadfile**	function
directives	table		**loadstring**	function
document	table		**logs**	table
documentdata	table		**lpdf**	table
dofile	function		**lpeg**	table
done	boolean		**ltn12**	table
environment	table		**lua**	table
epdf	table		**luatex**	table
error	function		**lxml**	table
experiments	table		**math**	table
figures	table		**mathematics**	table
file	table		**mbox**	table

md5	table		**setmetatable**	function
metapost	table		**socket**	table
mime	table		**sorters**	table
module	function		**statistics**	table
moduledata	table		**status**	table
modules	table		**storage**	table
mp	function		**streams**	table
mplib	table		**string**	table
next	function		**structures**	table
noads	table		**swiglib**	function
node	table		**table**	table
nodes	table		**tex**	table
number	table		**texconditionals**	data table
objects	table		**texconfig**	table
optionalrequire	function		**texconstants**	data table
os	table		**texifs**	data table
package	table		**texio**	table
pagebuilders	table		**texisdefined**	function
pairs	function		**texmodes**	data table
parametersets	table		**texsystemmodes**	data table
pcall	function		**thirddata**	table
pdf	table		**toboolean**	function
pdfboolean	function		**tokens**	table
pdfnull	function		**tonumber**	function
pdfreference	function		**tostring**	function
pdfscanner	table		**tracers**	table
pdfverbose	function		**trackers**	table
physics	table		**type**	function
print	function		**typesetters**	table
profiler	table		**unicode**	table
publications	table		**unpack**	function
rawequal	function		**url**	table
rawget	function		**userdata**	table
rawlen	function		**utf**	table
rawset	function		**utilities**	table
regimes	table		**v**	number
require	function		**vf**	table
resolvers	table		**visualizers**	table
sandbox	table		**xml**	table
scripts	table		**xpcall**	function
select	function		**zip**	table
set	table		**zlib**	table
setinspector	function			

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 hsvtogray
- 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 rgbtogray
- 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   function
effects   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
   F overprint
   F positive
```

registrations	table
tables	table
timestamp	function

bit32 (basic lua)

arshift	function		**extract**	function
band	function		**lrotate**	function
bnot	function		**lshift**	function
bor	function		**replace**	function
btest	function		**rrotate**	function
bxor	function		**rshift**	function

blobs (context)

append	function	**strht**	function
dimensions	function	**strwd**	function
dispose	function	**tohpack**	function
new	function	**tonodes**	function
pack	function	**tovpack**	function
strdp	function	**write**	function
strhd	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 keeptogether
- 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

caches (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   **register** overloaded function

list   function

callbacks (context)

freeze	function	**push**	function
known	function	**register**	function
list	data table	**report**	function
pop	function		

catcodes (context)

names   data table   **register**   function
numbers data table

characters (context)

activeoffset	number	**lhash**	data table
adobename	function	**linebreaks**	table
bidi	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 ex	
description	function	S gl	
descriptions	data table	S h2	
detailtags	data table	S h3	
directions	table	S hl	
enccodes	data table	S hy	
entities	data table	S id	
fallbacks	data table	S in	
filters	data table	S is	
fractions	table	S jl	
fromnumber	function	S jt	
fschars	data table	S jv	
fscodes	data table	S lf	
getrange	function	S nl	
graphemes	data table	S ns	
hangul	data table	S nu	
initialize	function	S op	
is_character	data table	S po	
is_command	data table	S pr	
is_letter	data table	S qu	
is_mark	data table	S ri	
is_punctuation	data table	S sa	
is_spacing	data table	S sg	
lcchars	data table	S sp	
lccode	function	S sy	
lccodes	data table	S wj	
lettered	function	S xx	

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

chemistry (context)

component	function	**molecule**	function
define	function	**moleculeparser**	userdata
definitions	data table	**start**	function
format	string	**stop**	function
inlinechemical	function	**structures**	number
instance	string	**undefine**	function
method	string		

containers (context)

cleanname	function	**is_valid**	function
content	function	**read**	function
define	function	**usecache**	boolean
is_usable	function	**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   **status**   function
resume   function   **wrap**   function
running function   **yield**   function

ctxrunner (context)

load	function	**prepfiles**	data table
preparedfile	function	**resolve**	function

debug (basic lua)

debug	function	**sethook**	function
gethook	function	**setlocal**	function
getinfo	function	**setmetatable**	function
getlocal	function	**setupvalue**	function
getmetatable	function	**setuservalue**	function
getregistry	function	**traceback**	function
getupvalue	function	**upvalueid**	function
getuservalue	function	**upvaluejoin**	function

dir (context)

collectpattern	function	**globpattern**	function
current	function	**ls**	function
expandname	function	**makedirs**	function
found	function	**mkdirs**	function
glob	function	**pop**	function
globdirs	function	**push**	function
globfiles	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		
files	table		
functions	table		
getargument	function		
getfilename	function		
options	table		

    T commandline

      D environments

      D modes

      D modules

    T ctxfile

      D environments

      D modes

      D modules

setargument	function
setcommandline	function
setdefaultargument	function
setenvironments	function
setfilename	function
setfilenames	function
setmodes	function
setmodules	function
variables	data table

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	**useluamodule**	function
jobname	string	**usemodules**	function
kindofrun	number	**validengines**	data table
loadexamodes	function	**version**	string

epdf (extra tex)

Array	function	**PDFRectangle**	function
Attribute	function	**StructElement_Type**	function
AttributeOwner_Type	function	**open**	overloaded function
Attribute_Type	function	**openMemStream**	function
Dict	function	**type**	function
Object	function		

experiments (context)

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

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	**includers**	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
existers	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	**needsupdating**	function
basename	function	**pathpart**	function
checksum	function	**readdata**	function
collapsepath	function	**removesuffix**	function
copy	function	**replacesuffix**	function
dirname	function	**reslash**	function
expandname	function	**robustname**	function
extname	function	**savechecksum**	function
is_qualified_path	function	**savedata**	function
is_readable	function	**size**	function
is_rootbased_path	function	**splitbase**	function
is_writable	function	**splitname**	function
isreadable	function	**splitpath**	function
iswritable	function	**strip**	function
join	function	**suffix**	function
joinpath	function	**suffixes**	function
loadchecksum	function	**suffixesonly**	function
nameonly	function	**suffixonly**	function
nametotable	function	**syncmtimes**	function
needs_updating	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 calculatescale
   F checkedfeatures
   F checkedfilename
   F checkvirtualids
   F cleanuptable
   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                                 F load
      T actions                              F modeinitializer
```

```
F nodemodeinitializer                    F readcardinal1
D pdfcache                               F readcardinal2
T readers                                F readcardinal3
  F addunicodetable                      F readcardinal4
  F cff                                  F readchar
  F checkhash                            F readfixed4
  F cmap                                 F readinteger
  F colr                                 F readinteger1
  F compact                              F readinteger2
  F cpal                                 F readinteger3
  F expand                               F readinteger4
  F extend                               F readstring
  F gdef                                 F readtag
  F getcomponents                        F setposition
  F getinfo                              F size
  F glyf                                 F skip
  F gpos                                 F skiplong
  F gsub                                 F skipshort
  F head                                 F writebyte
  F hhea                                 F writecardinal2
  F hmtx                                 F writecardinal4
  F kern                                 F writestring
  F loadfont                           F svg
  F loadshapes                         N tableversion
  F loca                               F unifymissing
  F math                               F unpack
  F maxp                               F woff2otf
  F name                             F registerpalette
  F os/2                             F scriptandlanguage
  F pack                             F setdynamics
  F parsecharstrings                 F setfeatures
  F post                             T statistics
  F registerextender                  D usedfeatures
  F rehash                           T svg
  T streamreader                      F filterglyph
    F close                           F storepdfdata
    F getposition                     F topdf
    F getsize                       D svgcache
    F look                          B svgenabled
    F open                          T tables
    F read2dot14                      D baselines
    F readbyte                        D features
    F readbytes                       D featuretypes
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```
  D scripts                              T protrusion
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T pfb                                    S quad
  F loadvector                           S scaledpoints
T tfm                                    S scriptpercentage
  F addtounicode                         S scriptscriptpercentage
  D features                             S size
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  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
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  D predefined                           S cidinfo
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  D whatever                             S encodingbytes
F hashfeatures                           S filename
F hashinstance                           S finalized
T hashmethods                            S fontname
  F normal                               S format
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F initializefeatures                     S hasitalics
T keys                                   S hasmath
  T characters                           S mathitalics
  T descriptions                         S mode
  T parameters                           S name
  S ascender                             S noglyphnames
  S descender                            S nostackmath
  S designsize                           S psname
  T expansion                            S textitalics
    S auto                               S virtualized
    S shrink                           D loadedfonts
    S step                             S namemode
    S stretch                          N noffontsloaded
  S extendfactor                       N nofsharedfonts
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```

	D privateslots	
	F readanddefine	
	F registerfeature	
	F resetfeature	
	B resolvevirtualtoo	
	F scale	
	F scaled	
	F setfactor	
	F setfeature	
	F setname	
	B sharefonts	
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	F addlookup	
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		F install
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	F resetnullfont	
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	T resolvers	
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definetypeface	function	
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D ctxcodes
D extras
D names
T synonyms
N Acyrillic
N Becyrillic
N Cdot
N Checyrillic
N Decyrillic
N Djecyrillic
N Dzecyrillic
N Dzhecyrillic
N Ecyrillic
N Edot
N Efcyrillic
N Elcyrillic
N Emcyrillic
N Encyrillic
N Ercyrillic
N Ereversedcyrillic
N Escyrillic
N Fitacyrillic
N Gcedilla
N Gdot
N Gecyrillic
N Gheupturncyrillic
N Gjecyrillic
N Hardsigncyrillic
N IAcyrillic
N IUcyrillic
N Icyrillic
N Idot
N Iecyrillic
N Iicyrillic
N Iishortcyrillic
N Iocyrillic
N Izhitsacyrillic
N Jecyrillic
N Kacyrillic
N Kcedilla
N Khacyrillic
N Kjecyrillic
N Lcedilla
N Ljecyrillic

N Ncedilla

N Njecyrillic

N Ocyrillic

N Odblacute

N Ohm

N Pecyrillic

N Rcedilla

N Shacyrillic

N Shchacyrillic

N Softsigncyrillic

N Tcedilla

N Tecyrillic

N Tsecyrillic

N Tshecyrillic

N Ucyrillic

N Udblacute

N Ushortcyrillic

N Vecyrillic

N Yatcyrillic

N Yericyrillic

N Yicyrillic

N Zdot

N Zecyrillic

N Zhecyrillic

N acutecmb

N acyrillic

N afii00208

N afii08941

N afii57694

N afii57695

N afii57700

N afii57705

N afii57723

N alef

N alefmaksurainitialarabic

N alefmaksuramedialarabic

N approximatelyequal

N asteriskaltonearabic

N ayin

N bet

N betdagesh

N blackdownpointingtriangle

N blackleftpointingpointer

N blackrectangle

N blackrightpointingpointer

N blacksmilingface

N blacksquare

N blackuppointingtriangle

N bulletinverse

N cdot

N compass

N dagesh

N dalet

N daletdagesh

N dalethatafpatah

N dalethatafpatahhebrew

N dalethatafsegol

N dalethatafsegolhebrew

N dalethebrew

N dalethiriq

N dalethiriqhebrew

N daletholam

N daletholamhebrew

N daletpatah

N daletpatahhebrew

N daletqamats

N daletqamatshebrew

N daletqubuts

N daletqubutshebrew

N daletsegol

N daletsegolhebrew

N daletsheva

N daletshevahebrew

N dalettsere

N dammaarabic

N dammatanaltonearabic

N dargahebrew

N dbllowline

N decimalseparatorarabic

N dialytikatonos

N dotbelowcmb

N doubleyodpatah

N doubleyodpatahhebrew

N edot

N eightarabic

N eighthnotebeamed

N etnahtafoukhhebrew

N etnahtafoukhlefthebrew

N etnahtahebrew
N fathaarabic
N finalkaf
N finalkafdagesh
N finalkafhebrew
N finalkafqamats
N finalkafqamatshebrew
N finalkafsheva
N finalmem
N finalnun
N finalpe
N finaltsadi
N fivearabic
N forall
N fourarabic
N gcedilla
N gdot
N gimel
N gimeldagesh
N gravecmb
N haaltonearabic
N hamzaarabic
N hamzadammaarabic
N hamzadammatanarabic
N hamzafathaarabic
N hamzafathatanarabic
N hamzalowarabic
N hamzalowkasraarabic
N hamzalowkasratanarabic
N hatafpatah
N hatafpatah16
N hatafpatah23
N hatafpatah2f
N hatafpatahhebrew
N hatafpatahnarrowhebrew
N hatafpatahquarterhebrew
N hatafqamats
N hatafqamats1b
N hatafqamats28
N hatafqamats34
N hatafqamatshebrew
N hatafqamatsnarrowhebrew
N hatafqamatsquarterhebrew
N hatafsegol

N hatafsegol17
N hatafsegol24
N hatafsegol30
N hatafsegolhebrew
N hatafsegolnarrowhebrew
N hatafsegolquarterhebrew
N he
N hedagesh
N hehfinalalttwoarabic
N het
N hiriq
N hiriq14
N hiriq21
N hiriq2d
N hiriqhebrew
N hiriqnarrowhebrew
N hiriqquarterhebrew
N holam
N holam19
N holam26
N holam32
N holamhebrew
N holamnarrowhebrew
N holamquarterhebrew
N ilde
N integralbottom
N integraltop
N kaf
N kafdagesh
N kashidaautoarabic
N kashidaautonosidebearingarabic
N kcedilla
N lamed
N lameddagesh
N lamedhebrew
N lamedholam
N lamedholamdagesh
N lamedholamdageshhebrew
N laminitialarabic
N lammeemjeeminitialarabic
N lcedilla
N logicalnotreversed
N mahapakhhebrew
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 patah11

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 qamatsqatannarrowhebrew

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 reshhatafpatahhebrew

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 sheva115
N sheva15
N sheva22
N sheva2e
N shevahebrew
N shevanarrowhebrew
N shevaquarterhebrew
N shin
N shindagesh
N shindageshshindot
N shindageshsindot
N shinshindot
N shinsindot
N siluqhebrew
N sixarabic
N tav
N tavdages
N tavdagesh
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
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N zdot
N zeroarabic
D unicodes
D cache
T ctxcodes
N AEacute
N AEligature
N AEmacron
N Aacute
N Abreve
N Abreveacute
N Abrevedotbelow
N Abrevegrave
N Abrevehook
N Abrevetilde
N Acaron
N Acircumflex
N Acircumflexacute
N Acircumflexdotbelow
N Acircumflexgrave
N Acircumflexhook

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 Eogonek
N Agrave	N Eth
N Ahook	N Etilde
N Ainvertedbreve	N Fhook
N Amacron	N Gacute
N Aogonek	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 Dzcaronligature	N Igrave
N Dzligature	N Ihook
N Eacute	N Iinvertedbreve
N Ebreve	N Imacron
N Ecaron	N Iogonek
N Ecedilla	N Istroke
N Ecircumflex	N Itilde
N Ecircumflexacute	N Jcircumflex
N Ecircumflexdotbelow	N Kcaron
N Ecircumflexgrave	N Kcommaaccent
N Ecircumflexhook	N Khook
N Ecircumflextilde	N LJligature
N Ediaeresis	N Lacute
N Edotaccent	N Lbar

N Lcaron	N Otilde
N Lcommaaccent	N Otildemacron
N Ldotmiddle	N Phook
N Ljligature	N Racute
N Lstroke	N Rcaron
N NJligature	N Rcommaaccent
N Nacute	N Rdoublegrave
N Ncaron	N Rinvertedbreve
N Ncommaaccent	N Sacute
N Neng	N Scaron
N Ngrave	N Scedilla
N Njligature	N Schwa
N Ntilde	N Scircumflex
N OEligature	N Scommaaccent
N Oacute	N Tcaron
N Obreve	N Tcedilla
N Ocaron	N Tcommaaccent
N Ocircumflex	N Thook
N Ocircumflexacute	N Thorn
N Ocircumflexdotbelow	N Tstroke
N Ocircumflexgrave	N Uacute
N Ocircumflexhook	N Ubreve
N Ocircumflextilde	N Ucaron
N Odiaeresis	N Ucircumflex
N Odiaeresismacron	N Udiaeresis
N Odotaccent	N Udiaeresisacute
N Odotaccentmacron	N Udiaeresiscaron
N Odotbelow	N Udiaeresisgrave
N Odoublegrave	N Udiaeresismacron
N Ograve	N Udotbelow
N Ohook	N Udoublegrave
N Ohorn	N Ugrave
N Ohornacute	N Uhook
N Ohorndotbelow	N Uhorn
N Ohorngrave	N Uhornacute
N Ohornhook	N Uhorndotbelow
N Ohorntilde	N Uhorngrave
N Ohungarumlaut	N Uhornhook
N Oinvertedbreve	N Uhorntilde
N Omacron	N Uhungarumlaut
N Oogonek	N Uinvertedbreve
N Oogonekmacron	N Umacron
N Ostroke	N Uogonek
N Ostrokeacute	N Uring

N Utilde

N Wcircumflex

N Yacute

N Ycircumflex

N Ydiaeresis

N Ydotbelow

N Ygrave

N Yhook

N Ymacron

N Ytilde

N Zacute

N Zcaron

N Zdotaccent

N Zhook

N Zstroke

N aacute

N abreve

N abreveacute

N abrevedotbelow

N abrevegrave

N abrevehook

N abrevetilde

N acaron

N acircumflex

N acircumflexacute

N acircumflexdotbelow

N acircumflexgrave

N acircumflexhook

N acircumflextilde

N adiaeresis

N adiaeresismacron

N adotaccent

N adotaccentmacron

N adotbelow

N adoublegrave

N aeacute

N aeligature

N aemacron

N agrave

N ahook

N ainvertedbreve

N amacron

N aogonek

N aring

N aringacute

N atilde

N bhook

N breakablethinspace

N bstroke

N cacute

N carriagereturn

N ccaron

N ccedilla

N ccircumflex

N ccurl

N cdotaccent

N chook

N copyright

N cstroke

N cyrillicA

N cyrillicAE

N cyrillicAbreve

N cyrillicAdiaeresis

N cyrillicB

N cyrillicBIGYUS

N cyrillicBIGYUSiotified

N cyrillicC

N cyrillicCH

N cyrillicCHEDC

N cyrillicCHEDCabkhasian

N cyrillicCHEabkhasian

N cyrillicCHEdiaeresis

N cyrillicCHEkhakassian

N cyrillicCHEvertstroke

N cyrillicD

N cyrillicDASIAPNEUMATA

N cyrillicDJE

N cyrillicDZE

N cyrillicDZEabkhasian

N cyrillicDZHE

N cyrillicE

N cyrillicELtail

N cyrillicEMtail

N cyrillicENDC

N cyrillicENGHE

N cyrillicENhook

N cyrillicENtail

N cyrillicEREV

N cyrillicERY

N cyrillicERtick

N cyrillicEbreve

N cyrillicEdiaeresis

N cyrillicEgrave

N cyrillicEiotified

N cyrillicF

N cyrillicFITA

N cyrillicG

N cyrillicGHEmidhook

N cyrillicGHEstroke

N cyrillicGHEupturn

N cyrillicGJE

N cyrillicH

N cyrillicHA

N cyrillicHADC

N cyrillicHRDSN

N cyrillicI

N cyrillicIE

N cyrillicII

N cyrillicISHRT

N cyrillicISHRTtail

N cyrillicIZHITSA

N cyrillicIZHITSAdoublegrave

N cyrillicIdiaeresis

N cyrillicIgrave

N cyrillicImacron

N cyrillicJE

N cyrillicK

N cyrillicKADC

N cyrillicKAbashkir

N cyrillicKAhook

N cyrillicKAstroke

N cyrillicKAvertstroke

N cyrillicKJE

N cyrillicKOPPA

N cyrillicKSI

N cyrillicL

N cyrillicLITTLEYUS

N cyrillicLITTLEYUSiotified

N cyrillicLJE

N cyrillicM

N cyrillicN

N cyrillicNJE

N cyrillicO

N cyrillicOMEGA

N cyrillicOMEGAround

N cyrillicOMEGAtitlo

N cyrillicOT

N cyrillicObarred

N cyrillicObarreddiaeresis

N cyrillicOdiaeresis

N cyrillicP

N cyrillicPALATALIZATION

N cyrillicPALOCHKA

N cyrillicPEmidhook

N cyrillicPSI

N cyrillicPSILIPNEUMATA

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 cyrillicTITLO

N cyrillicTSHE

N cyrillicU

N cyrillicUK

N cyrillicUSHRT

N cyrillicUdiaeresis

N cyrillicUdoubleacute

N cyrillicUmacron

N cyrillicV

N cyrillicYA

N cyrillicYAT

N cyrillicYERUdiaeresis

N cyrillicYI

N cyrillicYO

N cyrillicYU

N cyrillicYstr

N cyrillicYstrstroke

N cyrillicZ

N cyrillicZDSC

N cyrillicZEdiaeresis

N cyrillicZH

N cyrillicZHEbreve

N cyrillicZHEdescender

N cyrillicZHEdiaeresis

N cyrillica

N cyrillicabreve

N cyrillicadiaeresis

N cyrillicae

N cyrillicb

N cyrillicbigyus

N cyrillicbigyusiotified

N cyrillicc

N cyrillicch

N cyrilliccheabkhasian

N cyrillicchedc

N cyrillicchedcabkhasian

N cyrillicchediaeresis

N cyrillicchekhakassian

N cyrillicchevertstroke

N cyrillicd

N cyrillicdje

N cyrillicdze

N cyrillicdzeabkhasian

N cyrillicdzhe

N cyrillice

N cyrillicebreve

N cyrillicediaeresis

N cyrillicegrave

N cyrilliceiotified

N cyrilliceltail

N cyrillicemtail

N cyrillicendc

N cyrillicenghe

N cyrillicenhook

N cyrillicentail

N cyrillicerev

N cyrillicertick

N cyrillicery

N cyrillicf

N cyrillicfita

N cyrillicg

N cyrillicghemidhook

N cyrillicghestroke

N cyrillicgheupturn

N cyrillicgje

N cyrillich

N cyrillicha

N cyrillichadc

N cyrillichrdsn

N cyrillici

N cyrillicidiaeresis

N cyrillicie

N cyrillicigrave

N cyrillicii

N cyrillicimacron

N cyrillicishrt

N cyrillicishrttail

N cyrillicizhitsa

N cyrillicizhitsadoublegrave

N cyrillicje

N cyrillick

N cyrillickabashkir

N cyrillickadc

N cyrillickahook

N cyrillickastroke

N cyrillickavertstroke

N cyrillickje

N cyrillickoppa

N cyrillicksi

N cyrillicl

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 dotlessj
N cyrillicpsi	N dotlessjstroke
N cyrillicr	N dstroke
N cyrillics	N dtail
N cyrillicschwa	N dzcaronligature
N cyrillicschwadiaeresis	N dzligature
N cyrillicsdsc	N eacute
N cyrillicsemisoft	N ebreve
N cyrillicsftsn	N ecaron
N cyrillicsh	N ecedilla
N cyrillicshch	N ecircumflex
N cyrillicshha	N ecircumflexacute
N cyrillict	N ecircumflexdotbelow
N cyrillictedc	N ecircumflexgrave
N cyrillictetse	N ecircumflexhook
N cyrillictshe	N ecircumflextilde
N cyrillicu	N ediaeresis
N cyrillicudiaeresis	N edotaccent
N cyrillicudoubleacute	N edotbelow
N cyrillicuk	N edoublegrave
N cyrillicumacron	N egrave
N cyrillicushrt	N ehook
N cyrillicv	N einvertedbreve
N cyrillicya	N emacron
N cyrillicyat	N emdash
N cyrillicyerudiaeresis	N emspace
N cyrillicyi	N endash
N cyrillicyo	N enspace
N cyrillicystr	N eogonek
N cyrillicystrstroke	N etilde
N cyrillicyu	N exclamdown
N cyrillicz	N ffiligature
N cyrilliczdsc	N ffligature
N cyrilliczediaeresis	N fflligature
N cyrilliczh	N fhook
N cyrilliczhebreve	N figurespace
N cyrilliczhedescender	N filigature
N cyrilliczhediaeresis	N fiveeighths
N dcaron	N fivesixths
N dcurl	N flligature
N dhook	N fourfifths
N dotlessI	N fourperemspace
N dotlessJ	N gacute
N dotlessi	N gbreve

N gcaron
N gcircumflex
N gcommaaccent
N gdotaccent
N greekAlpha
N greekAlphadasia
N greekAlphadasiaperispomeni
N greekAlphadasiatonos
N greekAlphadasiavaria
N greekAlphaiotasub
N greekAlphaiotasubdasia
N greekAlphaiotasubdasiaperispomeni
N greekAlphaiotasubdasiatonos
N greekAlphaiotasubdasiavaria
N greekAlphaiotasubpsili
N greekAlphaiotasubpsiliperispomeni
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N greekAlphaiotasubpsilivaria
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N greekAlphapsili
N greekAlphapsiliperispomeni
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N greekAlphapsilivaria
N greekAlphatonos
N greekAlphavaria
N greekAlphavrachy
N greekBeta
N greekChi
N greekCoronis
N greekDelta
N greekEpsilon
N greekEpsilondasia
N greekEpsilondasiatonos
N greekEpsilondasiavaria
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N greekEpsilontonos
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N greekEtadasiatonos
N greekEtadasiavaria

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N greekIotadasiavaria
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N greekIotapsiliperispomeni
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N greekOmegaiotasubdasiavaria

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N greekPsi
N greekRho
N greekRhodasia
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N greekSigmalunate
N greekTau
N greekTheta
N greekUpsilon
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N greekUpsilondasiavaria
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N greekUpsilonvrachy
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N greekZeta
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N greekalphadasiatonos

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N greekalphaiotasubpsiliperispomeni
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N greekalphaiotasubvaria
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N greekalphavrachy
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N greekdasiavaria
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N greekdialytikatonos
N greekdialytikavaria
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N greekepsilon
N greekepsilonalt
N greekepsilondasia
N greekepsilondasiatonos
N greekepsilondasiavaria
N greekepsilonoxia
N greekepsilonpsili
N greekepsilonpsilitonos
N greekepsilonpsilivaria
N greekepsilontonos

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N greekepsilonvaria                             N greekiotatonos
N greeketa                                      N greekiotavaria
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N greeketadasiavaria                            N greeklambda
N greeketaiotasub                               N greekmu
N greeketaiotasubdasia                          N greeknu
N greeketaiotasubdasiaperispomeni               N greeknumkoppa
N greeketaiotasubdasiatonos                     N greekomega
N greeketaiotasubdasiavaria                     N greekomegadasia
N greeketaiotasubperispomeni                    N greekomegadasiaperispomeni
N greeketaiotasubpsili                          N greekomegadasiatonos
N greeketaiotasubpsiliperispomeni               N greekomegadasiavaria
N greeketaiotasubpsilitonos                     N greekomegaiotasub
N greeketaiotasubpsilivaria                     N greekomegaiotasubdasia
N greeketaiotasubtonos                          N greekomegaiotasubdasiaperispomeni
N greeketaiotasubvaria                          N greekomegaiotasubdasiatonos
N greeketaoxia                                  N greekomegaiotasubdasiavaria
N greeketaperispomeni                           N greekomegaiotasubperispomeni
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N greeketapsiliperispomeni                      N greekomegaiotasubpsiliperispomeni
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N greeketapsilivaria                            N greekomegaiotasubpsilivaria
N greeketatonos                                 N greekomegaiotasubtonos
N greeketavaria                                 N greekomegaiotasubvaria
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N greekgamma                                    N greekomegaperispomeni
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N greekiotadasia                                N greekomegapsiliperispomeni
N greekiotadasiaperispomeni                     N greekomegapsilitonos
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N greekiotadasiavaria                           N greekomegatonos
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N greekiotadialytikaperispomeni                 N greekomicron
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N greekiotadialytikavaria                       N greekomicrondasiatonos
N greekiotamacron                               N greekomicrondasiavaria
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N greekiotapsili                                N greekomicronpsilitonos
N greekiotapsiliperispomeni                     N greekomicronpsilivaria
N greekiotapsilitonos                           N greekomicrontonos
N greekiotapsilivaria                           N greekomicronvaria
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N greekoxia

N greekperispomeni

N greekphi

N greekphialt

N greekpi

N greekpialt

N greekprosgegrammeni

N greekpsi

N greekpsili

N greekpsiliperispomeni

N greekpsilitonos

N greekpsilivaria

N greekrho

N greekrhoalt

N greekrhodasia

N greekrhopsili

N greeksampi

N greeksigma

N greeksigmalunate

N greekstigma

N greektau

N greektheta

N greekthetaalt

N greektonos

N greekupsilon

N greekupsilondasia

N greekupsilondasiaperispomeni

N greekupsilondasiatonos

N greekupsilondasiavaria

N greekupsilondiaeresis

N greekupsilondialytikaperispomeni

N greekupsilondialytikatonos

N greekupsilondialytikavaria

N greekupsilonmacron

N greekupsilonoxia

N greekupsilonperispomeni

N greekupsilonpsili

N greekupsilonpsiliperispomeni

N greekupsilonpsilitonos

N greekupsilonpsilivaria

N greekupsilontonos

N greekupsilonvaria

N greekupsilonvrachy

N greekvaria

N greekxi

N greekzeta

N gstroke

N guilsingleleft

N guilsingleright

N hairspace

N hcaron

N hcircumflex

N hebrewAlef

N hebrewAyin

N hebrewBet

N hebrewDalet

N hebrewGimel

N hebrewHe

N hebrewHet

N hebrewKaf

N hebrewKaffinal

N hebrewLamed

N hebrewMem

N hebrewMemfinal

N hebrewNun

N hebrewNunfinal

N hebrewPe

N hebrewPefinal

N hebrewQof

N hebrewResh

N hebrewSamekh

N hebrewShin

N hebrewTav

N hebrewTet

N hebrewTsadi

N hebrewTsadifinal

N hebrewVav

N hebrewYod

N hebrewZayin

N hstroke

N iacute

N ibreve

N icaron

N icircumflex

N ideographichalffillspace

N ideographicspace

N idiaeresis

N idotaccent

N idotbelow
N idoublegrave
N igrave
N ihook
N iinvertedbreve
N ijligature
N imacron
N iogonek
N itilde
N jcaron
N jcircumflex
N kcaron
N kcommaaccent
N khook
N kkra
N lacute
N lbar
N lcaron
N lcommaaccent
N lcurl
N ldotmiddle
N leftguillemot
N ljligature
N lstroke
N medspace
N nacute
N napostrophe
N narrownobreakspace
N ncaron
N ncommaaccent
N ncurl
N neng
N ngrave
N njligature
N nobreakspace
N ntilde
N oacute
N obreve
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N ocircumflexdotbelow
N ocircumflexgrave
N ocircumflexhook

N ocircumflextilde
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N odiaeresismacron
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N odotbelow
N odoublegrave
N oeligature
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N ohorn
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N ohornhook
N ohorntilde
N ohungarumlaut
N oinvertedbreve
N omacron
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N onefifth
N onehalf
N onequarter
N onesixth
N onesuperior
N onethird
N oogonek
N oogonekmacron
N ordfeminine
N ordmasculine
N ostroke
N ostrokeacute
N otilde
N otildemacron
N paragraphmark
N periodcentered
N perthousand
N phook
N punctuationspace
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N quotedblbase
N quotedblleft
N quotedblright

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 softhyphen
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 romanii	N textbrokenbar
N romaniii	N textbullet
N romaniv	N textcaron
N romanix	N textcedilla
N romanl	N textcelsius
N romanm	N textcent
N romanv	N textcircledP
N romanvi	N textcircumflex
N romanvii	N textcomma
N romanviii	N textcurrency
N romanx	N textdag
N romanxi	N textddag
N romanxii	N textdegree
N sacute	N textdiaeresis

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 texthyphen	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
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N textunderscore	N ygrave
N textyen	N yhook
N thook	N ymacron
N thorn	N ytilde
N threeeighths	N zacute
N threefifths	N zcaron
N threeperemspace	N zdotaccent
N threequarter	N zerowidthnobreakspace
N threesuperior	N zerowidthspace
N trademark	N zhook
N tstroke	N zstroke
N twofifths	N zwj
N twosuperior	N zwnj
N twothirds	F is_known

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 Adieresismacron	N Cheharmenian
N Adotbelow	N Chekhakassiancyrillic
N Adotmacron	N Cheverticalstrokecyrillic
N Agrave	N Chi
N Ahookabove	N Chook
N Aiecyrillic	N Cmonospace
N Ainvertedbreve	N Coarmenian
N Alpha	N D
N Alphatonos	N DZ
N Amacron	N DZcaron
N Amonospace	N Daarmenian
N Aogonek	N Dafrican
N Aring	N Dcaron
N Aringacute	N Dcedilla

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 Eogonek
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 Ecircumflexbelow	N Etilde
N Ecircumflexdotbelow	N Etildebelow
N Ecircumflexgrave	N Euro
N Ecircumflexhookabove	N Ezh
N Ecircumflextilde	N Ezhcaron
N Ecyrillic	N Ezhreversed
N Edblgrave	N F
N Edieresis	N Fcircle
N Edot	N Fdotaccent
N Edotaccent	N Feharmenian
N Edotbelow	N Feicoptic
N Efcyrillic	N Fhook
N Egrave	N Fitacyrillic
N Eharmenian	N Fiveroman

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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 H18543                         N Imacron
N H18551                         N Imacroncyrillic
N H22073                         N Imonospace
N HPsquare                       N Iniarmenian
N Haabkhasiancyrillic            N Iocyrillic
N Hadescendercyrillic            N Iogonek
N Hardsigncyrillic               N Iota
N Hbar                           N Iotaafrican
N Hbrevebelow                    N Iotadieresis
N Hcedilla                       N Iotatonos
N Hcircle                        N Istroke
N Hcircumflex                    N Itilde
N Hdieresis                      N Itildebelow
N Hdotaccent                     N Izhitsacyrillic
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N Izhitsadblgravecyrillic	N Ldot
N J	N Ldotaccent
N Jaarmenian	N Ldotbelow
N Jcircle	N Ldotbelowmacron
N Jcircumflex	N Liwnarmenian
N Jecyrillic	N Lj
N Jheharmenian	N Ljecyrillic
N Jmonospace	N Llinebelow
N K	N Lmonospace
N KBsquare	N Lslash
N KKsquare	N M
N Kabashkircyrillic	N MBsquare
N Kacute	N Macute
N Kacyrillic	N Mcircle
N Kadescendercyrillic	N Mdotaccent
N Kahookcyrillic	N Mdotbelow
N Kappa	N Menarmenian
N Kastrokecyrillic	N Mmonospace
N Kaverticalstrokecyrillic	N Mturned
N Kcaron	N Mu
N Kcedilla	N N
N Kcircle	N NJ
N Kcommaaccent	N Nacute
N Kdotbelow	N Ncaron
N Keharmenian	N Ncedilla
N Kenarmenian	N Ncircle
N Khacyrillic	N Ncircumflexbelow
N Kheicoptic	N Ncommaaccent
N Khook	N Ndotaccent
N Kjecyrillic	N Ndotbelow
N Klinebelow	N Nhookleft
N Kmonospace	N Nineroman
N Koppacyrillic	N Nj
N Koppagreek	N Njecyrillic
N Ksicyrillic	N Nlinebelow
N L	N Nmonospace
N LJ	N Nowarmenian
N Lacute	N Ntilde
N Lambda	N Nu
N Lcaron	N O
N Lcedilla	N OE
N Lcircle	N Oacute
N Lcircumflexbelow	N Obarredcyrillic
N Lcommaaccent	N Obarreddieresiscyrillic

N Obreve	N Oopen
N Ocaron	N Oslash
N Ocenteredtilde	N Oslashacute
N Ocircle	N Ostrokeacute
N Ocircumflex	N Otcyrillic
N Ocircumflexacute	N Otilde
N Ocircumflexdotbelow	N Otildeacute
N Ocircumflexgrave	N Otildedieresis
N Ocircumflexhookabove	N P
N Ocircumflextilde	N Pacute
N Ocyrillic	N Pcircle
N Odblacute	N Pdotaccent
N Odblgrave	N Pecyrillic
N Odieresis	N Peharmenian
N Odieresiscyrillic	N Pemiddlehookcyrillic
N Odotbelow	N Phi
N Ograve	N Phook
N Oharmenian	N Pi
N Ohm	N Piwrarmenian
N Ohookabove	N Pmonospace
N Ohorn	N Psi
N Ohornacute	N Psicyrillic
N Ohorndotbelow	N Q
N Ohorngrave	N Qcircle
N Ohornhookabove	N Qmonospace
N Ohorntilde	N R
N Ohungarumlaut	N Raarmenian
N Oi	N Racute
N Oinvertedbreve	N Rcaron
N Omacron	N Rcedilla
N Omacronacute	N Rcircle
N Omacrongrave	N Rcommaaccent
N Omega	N Rdblgrave
N Omegacyrillic	N Rdotaccent
N Omegagreek	N Rdotbelow
N Omegaroundcyrillic	N Rdotbelowmacron
N Omegatitlocyrillic	N Reharmenian
N Omegatonos	N Rfraktur
N Omicron	N Rho
N Omicrontonos	N Rinvertedbreve
N Omonospace	N Rlinebelow
N Oneroman	N Rmonospace
N Oogonek	N Rsmallinverted
N Oogonekmacron	N Rsmallinvertedsuperior

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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 Schwadieresiscyrillic
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 Seharmenian
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 SF400000                     N Sixroman
N SF410000                     N Smonospace
N SF420000                     N Softsigncyrillic
N SF430000                     N Stigmagreek
N SF440000                     N T
N SF450000                     N Tau
N SF460000                     N Tbar
N SF470000                     N Tcaron
N SF480000                     N Tcedilla
N SF490000                     N Tcircle
N SF50000                      N Tcircumflexbelow
N SF500000                     N Tcommaaccent
N SF510000                     N Tdotaccent
N SF520000                     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 Tshecyrillic

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 Upsilontonos

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 Zhecyrillic
N Xcircle	N Zhedescendercyrillic
N Xdieresis	N Zhedieresiscyrillic
N Xdotaccent	N Zlinebelow
N Xeharmenian	N Zmonospace
N Xi	N Zstroke
N Xmonospace	N a
N Y	N aabengali
N Yacute	N aacute
N Yatcyrillic	N aadeva
N Ycircle	N aagujarati
N Ycircumflex	N aagurmukhi
N Ydieresis	N aamatragurmukhi
N Ydotaccent	N aarusquare
N Ydotbelow	N aavowelsignbengali
N Yericyrillic	N aavowelsigndeva
N Yerudieresiscyrillic	N aavowelsigngujarati
N Ygrave	N abbreviationmarkarmenian
N Yhook	N abbreviationsigndeva
N Yhookabove	N abengali
N Yiarmenian	N abopomofo
N Yicyrillic	N abreve
N Yiwnarmenian	N abreveacute
N Ymonospace	N abrevecyrillic
N Ytilde	N abrevedotbelow
N Yusbigcyrillic	N abrevegrave
N Yusbigiotifiedcyrillic	N abrevehookabove
N Yuslittlecyrillic	N abrevetilde
N Yuslittleiotifiedcyrillic	N acaron
N Z	N acircle
N Zaarmenian	N acircumflex
N Zacute	N acircumflexacute
N Zcaron	N acircumflexdotbelow
N Zcircle	N acircumflexgrave
N Zcircumflex	N acircumflexhookabove
N Zdot	N acircumflextilde
N Zdotaccent	N acute
N Zdotbelow	N acutebelowcmb
N Zecyrillic	N acutecmb
N Zedescendercyrillic	N acutecomb
N Zedieresiscyrillic	N acutedeva
N Zeta	N acutelowmod
N Zhearmenian	N acutetonecmb
N Zhebrevecyrillic	N acyrillic

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
N afii10024	N afii10070
N afii10025	N afii10071
N afii10026	N afii10072
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N afii10036	N afii10082
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N afii10194	N afii57431
N afii10195	N afii57432
N afii10196	N afii57433
N afii10846	N afii57434
N afii208	N afii57440
N afii299	N afii57441
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N afii57675	N afii61352
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N afii57677	N afii61574
N afii57678	N afii61575
N afii57679	N afii61664
N afii57680	N afii63167
N afii57681	N afii64937
N afii57682	N agrave
N afii57683	N agujarati
N afii57684	N agurmukhi
N afii57685	N ahiragana
N afii57686	N ahookabove
N afii57687	N aibengali
N afii57688	N aibopomofo
N afii57689	N aideva
N afii57690	N aiecyrillic
N afii57694	N aigujarati

N aigurmukhi
N aimatragurmukhi
N ainarabic
N ainfinalarabic
N aininitialarabic
N ainmedialarabic
N ainvertedbreve
N aivowelsignbengali
N aivowelsigndeva
N aivowelsigngujarati
N akatakana
N akatakanahalfwidth
N akorean
N alef
N alefarabic
N alefdageshhebrew
N aleffinalarabic
N alefhamzaabovearabic
N alefhamzaabovefinalarabic
N alefhamzabelowarabic
N alefhamzabelowfinalarabic
N alefhebrew
N aleflamedhebrew
N alefmaddaabovearabic
N alefmaddaabovefinalarabic
N alefmaksuraarabic
N alefmaksurafinalarabic
N alefmaksurainitialarabic
N alefmaksuramedialarabic
N alefpatahhebrew
N alefqamatshebrew
N aleph
N allequal
N alpha
N alphatonos
N amacron
N amonospace
N ampersand
N ampersandmonospace
N amsquare
N anbopomofo
N angbopomofo
N angkhankhuthai
N angle

N anglebracketleft
N anglebracketleftvertical
N anglebracketright
N anglebracketrightvertical
N angleleft
N angleright
N angstrom
N anoteleia
N anudattadeva
N anusvarabengali
N anusvaradeva
N anusvaragujarati
N aogonek
N apaatosquare
N aparen
N apostrophearmenian
N apostrophemod
N apple
N approaches
N approxequal
N approxequalorimage
N approximatelyequal
N araeaekorean
N araeakorean
N arc
N arighthalfring
N aring
N aringacute
N aringbelow
N arrowboth
N arrowdashdown
N arrowdashleft
N arrowdashright
N arrowdashup
N arrowdblboth
N arrowdbldown
N arrowdblleft
N arrowdblright
N arrowdblup
N arrowdown
N arrowdownleft
N arrowdownright
N arrowdownwhite
N arrowheaddownmod

N arrowheadleftmod
N arrowheadrightmod
N arrowheadupmod
N arrowleft
N arrowleftdbl
N arrowleftdblstroke
N arrowleftoverright
N arrowleftwhite
N arrowright
N arrowrightdblstroke
N arrowrightheavy
N arrowrightoverleft
N arrowrightwhite
N arrowtableft
N arrowtabright
N arrowup
N arrowupdn
N arrowupdnbse
N arrowupdownbase
N arrowupleft
N arrowupleftofdown
N arrowupright
N arrowupwhite
N asciicircum
N asciicircummonospace
N asciitilde
N asciitildemonospace
N ascript
N ascriptturned
N asmallhiragana
N asmallkatakana
N asmallkatakanahalfwidth
N asterisk
N asteriskaltonearabic
N asteriskarabic
N asteriskmath
N asteriskmonospace
N asterisksmall
N asterism
N asymptoticallyequal
N at
N atilde
N atmonospace
N atsmall

N aturned
N aubengali
N aubopomofo
N audeva
N augujarati
N augurmukhi
N aulengthmarkbengali
N aumatragurmukhi
N auvowelsignbengali
N auvowelsigndeva
N auvowelsigngujarati
N avagrahadeva
N aybarmenian
N ayin
N ayinaltonehebrew
N ayinhebrew
N b
N babengali
N backslash
N backslashmonospace
N badeva
N bagujarati
N bagurmukhi
N bahiragana
N bahtthai
N bakatakana
N bar
N barmonospace
N bbopomofo
N bcircle
N bdotaccent
N bdotbelow
N beamedsixteenthnotes
N because
N becyrillic
N beharabic
N behfinalarabic
N behinitialarabic
N behiragana
N behmedialarabic
N behmeeminitialarabic
N behmeemisolatedarabic
N behnoonfinalarabic
N bekatakana

N benarmenian
N bet
N beta
N betasymbolgreek
N betdagesh
N betdageshhebrew
N bethebrew
N betrafehebrew
N bhabengali
N bhadeva
N bhagujarati
N bhagurmukhi
N bhook
N bihiragana
N bikatakana
N bilabialclick
N bindigurmukhi
N birusquare
N blackcircle
N blackdiamond
N blackdownpointingtriangle
N blackleftpointingpointer
N blackleftpointingtriangle
N blacklenticularbracketleft
N blacklenticularbracketleftvertical
N blacklenticularbracketright
N blacklenticularbracketrightvertical
N blacklowerlefttriangle
N blacklowerrighttriangle
N blackrectangle
N blackrightpointingpointer
N blackrightpointingtriangle
N blacksmallsquare
N blacksmilingface
N blacksquare
N blackstar
N blackupperlefttriangle
N blackupperrighttriangle
N blackuppointingsmalltriangle
N blackuppointingtriangle
N blank
N blinebelow
N block
N bmonospace

N bobaimaithai
N bohiragana
N bokatakana
N bparen
N bqsquare
N braceleft
N braceleftmonospace
N braceleftsmall
N braceleftvertical
N braceright
N bracerightmonospace
N bracerightsmall
N bracerightvertical
N bracketleft
N bracketleftmonospace
N bracketright
N bracketrightmonospace
N breve
N brevebelowcmb
N brevecmb
N breveinvertedbelowcmb
N breveinvertedcmb
N breveinverteddoublecmb
N bridgebelowcmb
N bridgeinvertedbelowcmb
N brokenbar
N bstroke
N btopbar
N buhiragana
N bukatakana
N bullet
N bulletinverse
N bulletoperator
N bullseye
N c
N caarmenian
N cabengali
N cacute
N cadeva
N cagujarati
N cagurmukhi
N calsquare
N candrabindubengali
N candrabinducmb

N candrabindudeva
N candrabindugujarati
N capslock
N careof
N caron
N caronbelowcmb
N caroncmb
N carriagereturn
N cbopomofo
N ccaron
N ccedilla
N ccedillaacute
N ccircle
N ccircumflex
N ccurl
N cdot
N cdotaccent
N cdsquare
N cedilla
N cedillacmb
N cent
N centigrade
N centmonospace
N chaarmenian
N chabengali
N chadeva
N chagujarati
N chagurmukhi
N chbopomofo
N cheabkhasiancyrillic
N checkmark
N checyrillic
N chedescenderabkhasiancyrillic
N chedescendercyrillic
N chedieresiscyrillic
N cheharmenian
N chekhakassiancyrillic
N cheverticalstrokecyrillic
N chi
N chieuchacirclekorean
N chieuchaparenkorean
N chieuchcirclekorean
N chieuchkorean
N chieuchparenkorean

N chochangthai
N chochanthai
N chochingthai
N chochoethai
N chook
N cieucacirclekorean
N cieucaparenkorean
N cieuccirclekorean
N cieuckorean
N cieucparenkorean
N cieucuparenkorean
N circle
N circlemultiply
N circleot
N circleplus
N circlepostalmark
N circlewithlefthalfblack
N circlewithrighthalfblack
N circumflex
N circumflexbelowcmb
N circumflexcmb
N clear
N clickalveolar
N clickdental
N clicklateral
N clickretroflex
N club
N clubsuitblack
N clubsuitwhite
N cmcubedsquare
N cmonospace
N cmsquaredsquare
N coarmenian
N colon
N colonmonetary
N colonmonospace
N colonsign
N colonsmall
N colontriangularhalfmod
N colontriangularmod
N comma
N commaabovecmb
N commaaboverightcmb
N commaarabic

N commaarmenian

N commamonospace

N commareversedabovecmb

N commareversedmod

N commasmall

N commaturnedabovecmb

N commaturnedmod

N compass

N congruent

N contourintegral

N control

N controlACK

N controlBEL

N controlBS

N controlCAN

N controlCR

N controlDC1

N controlDC2

N controlDC3

N controlDC4

N controlDEL

N controlDLE

N controlEM

N controlENQ

N controlEOT

N controlESC

N controlETB

N controlETX

N controlFF

N controlFS

N controlGS

N controlHT

N controlLF

N controlNAK

N controlRS

N controlSI

N controlSO

N controlSOT

N controlSTX

N controlSUB

N controlSYN

N controlUS

N controlVT

N copyright

N cornerbracketleft

N cornerbracketlefthalfwidth

N cornerbracketleftvertical

N cornerbracketright

N cornerbracketrighthalfwidth

N cornerbracketrightvertical

N corporationsquare

N cosquare

N coverkgsquare

N cparen

N cruzeiro

N cstretched

N curlyand

N curlyor

N currency

N d

N daarmenian

N dabengali

N dadarabic

N dadeva

N dadfinalarabic

N dadinitialarabic

N dadmedialarabic

N dagesh

N dageshhebrew

N dagger

N daggerdbl

N dagujarati

N dagurmukhi

N dahiragana

N dakatakana

N dalarabic

N dalet

N daletdagesh

N daletdageshhebrew

N dalethatafpatah

N dalethatafpatahhebrew

N dalethatafsegol

N dalethatafsegolhebrew

N dalethebrew

N dalethiriq

N dalethiriqhebrew

N daletholam

N daletholamhebrew

N daletpatah

N daletpatahhebrew

N daletqamats

N daletqamatshebrew

N daletqubuts

N daletqubutshebrew

N daletsegol

N daletsegolhebrew

N daletsheva

N daletshevahebrew

N dalettsere

N dalettserehebrew

N dalfinalarabic

N dammaarabic

N dammalowarabic

N dammatanaltonearabic

N dammatanarabic

N danda

N dargahebrew

N dargalefthebrew

N dasiapneumatacyrilliccmb

N dblanglebracketleft

N dblanglebracketleftvertical

N dblanglebracketright

N dblanglebracketrightvertical

N dblarchinvertedbelowcmb

N dblarrowleft

N dblarrowright

N dbldanda

N dblgravecmb

N dblintegral

N dbllowline

N dbllowlinecmb

N dbloverlinecmb

N dblprimemod

N dblverticalbar

N dblverticallineabovecmb

N dbopomofo

N dbsquare

N dcaron

N dcedilla

N dcircle

N dcircumflexbelow

N dcroat

N ddabengali

N ddadeva

N ddagujarati

N ddagurmukhi

N ddalarabic

N ddalfinalarabic

N dddhadeva

N ddhabengali

N ddhadeva

N ddhagujarati

N ddhagurmukhi

N ddotaccent

N ddotbelow

N decimalseparatorarabic

N decimalseparatorpersian

N decyrillic

N degree

N dehihebrew

N dehiragana

N deicoptic

N dekatakana

N deleteleft

N deleteright

N delta

N deltaturned

N denominatorminusonenumeratorbengali

N dezh

N dhabengali

N dhadeva

N dhagujarati

N dhagurmukhi

N dhook

N dialytikatonos

N dialytikatonoscmb

N diamond

N diamondsuitwhite

N dieresis

N dieresisbelowcmb

N dieresiscmb

N dieresistonos

N dihiragana

N dikatakana

N dittomark

N divide

N divides
N divisionslash
N djecyrillic
N dkshade
N dlinebelow
N dlsquare
N dmacron
N dmonospace
N dnblock
N dochadathai
N dodekthai
N dohiragana
N dokatakana
N dollar
N dollarmonospace
N dollarsmall
N dong
N dorusquare
N dotaccent
N dotaccentcmb
N dotbelowcmb
N dotbelowcomb
N dotkatakana
N dotlessi
N dotlessj
N dotlessjstrokehook
N dotmath
N dottedcircle
N doubleyodpatah
N doubleyodpatahhebrew
N downtackbelowcmb
N downtackmod
N dparen
N dtail
N dtopbar
N duhiragana
N dukatakana
N dz
N dzaltone
N dzcaron
N dzcurl
N dzeabkhasiancyrillic
N dzecyrillic
N dzhecyrillic

N e
N eacute
N earth
N ebengali
N ebopomofo
N ebreve
N ecandradeva
N ecandragujarati
N ecandravowelsigndeva
N ecandravowelsigngujarati
N ecaron
N ecedillabreve
N echarmenian
N echyiwnarmenian
N ecircle
N ecircumflex
N ecircumflexacute
N ecircumflexbelow
N ecircumflexdotbelow
N ecircumflexgrave
N ecircumflexhookabove
N ecircumflextilde
N ecyrillic
N edblgrave
N edeva
N edieresis
N edot
N edotaccent
N edotbelow
N eegurmukhi
N eematragurmukhi
N efcyrillic
N egrave
N egujarati
N eharmenian
N ehbopomofo
N ehiragana
N ehookabove
N eibopomofo
N eight
N eightarabic
N eightbengali
N eightcircle
N eightcircleinversesansserif

N eightdeva
N eighteencircle
N eighteenparen
N eighteenperiod
N eightgujarati
N eightgurmukhi
N eighthackarabic
N eighthangzhou
N eighthnotebeamed
N eightideographicparen
N eightinferior
N eightmonospace
N eightparen
N eightperiod
N eightpersian
N eightroman
N eightsuperior
N eightthai
N einvertedbreve
N eiotifiedcyrillic
N ekatakana
N ekatakanahalfwidth
N ekonkargurmukhi
N ekorean
N elcyrillic
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N elevencircle
N elevenparen
N elevenperiod
N elevenroman
N ellipsis
N ellipsisvertical
N emacron
N emacronacute
N emacrongrave
N emcyrillic
N emdash
N emdashvertical
N emonospace
N emphasismarkarmenian
N emptyset
N enbopomofo
N encyrillic
N endash

N endashvertical
N endescendercyrillic
N eng
N engbopomofo
N enghecyrillic
N enhookcyrillic
N enspace
N eogonek
N eokorean
N eopen
N eopenclosed
N eopenreversed
N eopenreversedclosed
N eopenreversedhook
N eparen
N epsilon
N epsilontonos
N equal
N equalmonospace
N equalsmall
N equalsuperior
N equivalence
N erbopomofo
N ercyrillic
N ereversed
N ereversedcyrillic
N escyrillic
N esdescendercyrillic
N esh
N eshcurl
N eshortdeva
N eshortvowelsigndeva
N eshreversedloop
N eshsquatreversed
N esmallhiragana
N esmallkatakana
N esmallkatakanahalfwidth
N estimated
N eta
N etarmenian
N etatonos
N eth
N etilde
N etildebelow

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 evowelsigngujarati	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 fdotaccent	N fivegujarati
N feharabic	N fivegurmukhi
N feharmenian	N fivehackarabic
N fehfinalarabic	N fivehangzhou
N fehinitialarabic	N fiveideographicparen
N fehmedialarabic	N fiveinferior
N feicoptic	N fivemonospace
N female	N fiveparen
N ff	N fiveperiod
N ffi	N fivepersian
N ffl	N fiveroman
N fi	N fivesuperior
N fifteencircle	N fivethai
N fifteenparen	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 germandbls

N gershayimaccenthebrew

N gershayimhebrew

N getamark

N ghabengali

N ghadarmenian

N ghadeva

N ghagujarati

N ghagurmukhi

N ghainarabic

N ghainfinalarabic

N ghaininitialarabic

N ghainmedialarabic

N ghemiddlehookcyrillic

N ghestrokecyrillic

N gheupturncyrillic

N ghhadeva

N ghhagurmukhi

N ghook

N ghzsquare

N gihiragana

N gikatakana

N gimarmenian
N gimel
N gimeldagesh
N gimeldageshhebrew
N gimelhebrew
N gjecyrillic
N glottalinvertedstroke
N glottalstop
N glottalstopinverted
N glottalstopmod
N glottalstopreversed
N glottalstopreversedmod
N glottalstopreversedsuperior
N glottalstopstroke
N glottalstopstrokereversed
N gmacron
N gmonospace
N gohiragana
N gokatakana
N gparen
N gpasquare
N gradient
N grave
N gravebelowcmb
N gravecmb
N gravecomb
N gravedeva
N gravelowmod
N gravemonospace
N gravetonecmb
N greater
N greaterequal
N greaterequalorless
N greatermonospace
N greaterorequivalent
N greaterorless
N greateroverequal
N greatersmall
N gscript
N gstroke
N guhiragana
N guillemotleft
N guillemotright
N guilsinglleft

N guilsinglright
N gukatakana
N guramusquare
N gysquare
N h
N haabkhasiancyrillic
N haaltonearabic
N habengali
N hadescendercyrillic
N hadeva
N hagujarati
N hagurmukhi
N haharabic
N hahfinalarabic
N hahinitialarabic
N hahiragana
N hahmedialarabic
N haitusquare
N hakatakana
N hakatakanahalfwidth
N halantgurmukhi
N hamzaarabic
N hamzadammaarabic
N hamzadammatanarabic
N hamzafathaarabic
N hamzafathatanarabic
N hamzalowarabic
N hamzalowkasraarabic
N hamzalowkasratanarabic
N hamzasukunarabic
N hangulfiller
N hardsigncyrillic
N harpoonleftbarbup
N harpoonrightbarbup
N hasquare
N hatafpatah
N hatafpatah16
N hatafpatah23
N hatafpatah2f
N hatafpatahhebrew
N hatafpatahnarrowhebrew
N hatafpatahquarterhebrew
N hatafpatahwidehebrew
N hatafqamats

N hatafqamats1b
N hatafqamats28
N hatafqamats34
N hatafqamatshebrew
N hatafqamatsnarrowhebrew
N hatafqamatsquarterhebrew
N hatafqamatswidehebrew
N hatafsegol
N hatafsegol17
N hatafsegol24
N hatafsegol30
N hatafsegolhebrew
N hatafsegolnarrowhebrew
N hatafsegolquarterhebrew
N hatafsegolwidehebrew
N hbar
N hbopomofo
N hbrevebelow
N hcedilla
N hcircle
N hcircumflex
N hdieresis
N hdotaccent
N hdotbelow
N he
N heart
N heartsuitblack
N heartsuitwhite
N hedagesh
N hedageshhebrew
N hehaltonearabic
N heharabic
N hehebrew
N hehfinalaltonearabic
N hehfinalalttwoarabic
N hehfinalarabic
N hehhamzaabovefinalarabic
N hehhamzaaboveisolatedarabic
N hehinitialaltonearabic
N hehinitialarabic
N hehiragana
N hehmedialaltonearabic
N hehmedialarabic
N heiseieerasquare

N hekatakana
N hekatakanahalfwidth
N hekutaarusquare
N henghook
N herutusquare
N het
N hethebrew
N hhook
N hhooksuperior
N hieuhacirclekorean
N hieuhaparenkorean
N hieuhcirclekorean
N hieuhkorean
N hieuhparenkorean
N hihiragana
N hikatakana
N hikatakanahalfwidth
N hiriq
N hiriq14
N hiriq21
N hiriq2d
N hiriqhebrew
N hiriqnarrowhebrew
N hiriqquarterhebrew
N hiriqwidehebrew
N hlinebelow
N hmonospace
N hoarmenian
N hohipthai
N hohiragana
N hokatakana
N hokatakanahalfwidth
N holam
N holam19
N holam26
N holam32
N holamhebrew
N holamnarrowhebrew
N holamquarterhebrew
N holamwidehebrew
N honokhukthai
N hookabovecomb
N hookcmb
N hookpalatalizedbelowcmb

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 icyrillic	N ideographicsuperviseparen
N idblgrave	N ideographicwaterparen
N ideographearthcircle	N ideographicwoodparen
N ideographfirecircle	N ideographiczero
N ideographicallianceparen	N ideographmetalcircle
N ideographiccallparen	N ideographmooncircle
N ideographiccentrecircle	N ideographnamecircle
N ideographicclose	N ideographsuncircle
N ideographiccomma	N ideographwatercircle
N ideographiccommaleft	N ideographwoodcircle
N ideographiccongratulationparen	N ideva
N ideographiccorrectcircle	N idieresis
N ideographicearthparen	N idieresisacute
N ideographicenterpriseparen	N idieresiscyrillic

N idotbelow
N iebrevecyrillic
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 iishortcyrillic
N iivowelsignbengali
N iivowelsigndeva
N iivowelsigngujarati
N ij
N ikatakana
N ikatakanahalfwidth
N ikorean
N ilde
N iluyhebrew
N imacron
N imacroncyrillic
N imageorapproximatelyequal
N imatragurmukhi
N imonospace
N increment
N infinity
N iniarmenian
N integral
N integralbottom
N integralbt
N integraltop
N integraltp
N intersection

N intisquare
N invbullet
N invcircle
N invsmileface
N iocyrillic
N iogonek
N iota
N iotadieresis
N iotadieresistonos
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 izhitsacyrillic
N izhitsadblgravecyrillic
N j
N jaarmenian
N jabengali
N jadeva
N jagujarati
N jagurmukhi
N jbopomofo
N jcaron
N jcircle
N jcircumflex
N jcrossedtail
N jdotlessstroke
N jecyrillic
N jeemarabic
N jeemfinalarabic

N jeeminitialarabic
N jeemmedialarabic
N jeharabic
N jehfinalarabic
N jhabengali
N jhadeva
N jhagujarati
N jhagurmukhi
N jheharmenian
N jis
N jmonospace
N jparen
N jsuperior
N k
N kabashkircyrillic
N kabengali
N kacute
N kacyrillic
N kadescendercyrillic
N kadeva
N kaf
N kafarabic
N kafdagesh
N kafdageshhebrew
N kaffinalarabic
N kafhebrew
N kafinitialarabic
N kafmedialarabic
N kafrafehebrew
N kagujarati
N kagurmukhi
N kahiragana
N kahookcyrillic
N kakatakana
N kakatakanahalfwidth
N kappa
N kappasymbolgreek
N kapyeounmieumkorean
N kapyeounphieuphkorean
N kapyeounpieupkorean
N kapyeounssangpieupkorean
N karoriisquare
N kashidaautoarabic
N kashidaautonosidebearingarabic

N kasmallkatakana
N kasquare
N kasraarabic
N kasratanarabic
N kastrokecyrillic
N katahiraprolongmarkhalfwidth
N kaverticalstrokecyrillic
N kbopomofo
N kcalsquare
N kcaron
N kcedilla
N kcircle
N kcommaaccent
N kdotbelow
N keharmenian
N kehiragana
N kekatakana
N kekatakanahalfwidth
N kenarmenian
N kesmallkatakana
N kgreenlandic
N khabengali
N khacyrillic
N khadeva
N khagujarati
N khagurmukhi
N khaharabic
N khahfinalarabic
N khahinitialarabic
N khahmedialarabic
N kheicoptic
N khhadeva
N khhagurmukhi
N khieukhacirclekorean
N khieukhaparenkorean
N khieukhcirclekorean
N khieukhkorean
N khieukhparenkorean
N khokhaithai
N khokhonthai
N khokhuatthai
N khokhwaithai
N khomutthai
N khook

N khorakhangthai	N lagurmukhi
N khzsquare	N lakkhangyaothai
N kihiragana	N lamaleffinalarabic
N kikatakana	N lamalefhamzaabovefinalarabic
N kikatakanahalfwidth	N lamalefhamzaaboveisolatedarabic
N kiroguramusquare	N lamalefhamzabelowfinalarabic
N kiromeetorusquare	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 kpasquare	N lammeemjeeminitialarabic
N ksicyrillic	N lammeemkhahinitialarabic
N ktsquare	N largecircle
N kturned	N lbar
N kuhiragana	N lbelt
N kukatakana	N lbopomofo
N kukatakanahalfwidth	N lcaron
N kvsquare	N lcedilla
N kwsquare	N lcircle
N l	N lcircumflexbelow
N labengali	N lcommaaccent
N lacute	N ldot
N ladeva	N ldotaccent
N lagujarati	N ldotbelow

N ldotbelowmacron	N luthai
N leftangleabovecmb	N lvocalicbengali
N lefttackbelowcmb	N lvocalicdeva
N less	N lvocalicvowelsignbengali
N lessequal	N lvocalicvowelsigndeva
N lessequalorgreater	N lxsquare
N lessmonospace	N m
N lessorequivalent	N mabengali
N lessorgreater	N macron
N lessoverequal	N macronbelowcmb
N lesssmall	N macroncmb
N lezh	N macronlowmod
N lfblock	N macronmonospace
N lhookretroflex	N macute
N lira	N madeva
N liwnarmenian	N magujarati
N lj	N magurmukhi
N ljecyrillic	N mahapakhhebrew
N lladeva	N mahapakhlefthebrew
N llagujarati	N mahiragana
N llinebelow	N maichattawathai
N llladeva	N maiekthai
N llvocalicbengali	N maihanakatthai
N llvocalicdeva	N maitaikhuthai
N llvocalicvowelsignbengali	N maithothai
N llvocalicvowelsigndeva	N maitrithai
N lmiddletilde	N maiyamokthai
N lmonospace	N makatakana
N lmsquare	N makatakanahalfwidth
N lochulathai	N male
N logicaland	N mansyonsquare
N logicalnot	N maqafhebrew
N logicalnotreversed	N mars
N logicalor	N masoracirclehebrew
N lolingthai	N masquare
N longs	N mbopomofo
N lowlinecenterline	N mbsquare
N lowlinecmb	N mcircle
N lowlinedashed	N mcubedsquare
N lozenge	N mdotaccent
N lparen	N mdotbelow
N lslash	N meemarabic
N lsquare	N meemfinalarabic
N ltshade	N meeminitialarabic

N meemmedialarabic
N meemmeeminitialarabic
N meemmeemisolatedarabic
N meetorusquare
N mehiragana
N meizierasquare
N mekatakana
N mekatakanahalfwidth
N mem
N memdagesh
N memdageshhebrew
N memhebrew
N menarmenian
N merkhahebrew
N merkhakefulahebrew
N merkhakefulalefthebrew
N merkhalefthebrew
N mhook
N mhzsquare
N middledotkatakanahalfwidth
N middot
N mieumacirclekorean
N mieumaparenkorean
N mieumcirclekorean
N mieumkorean
N mieumpansioskorean
N mieumparenkorean
N mieumpieupkorean
N mieumsioskorean
N mihiragana
N mikatakana
N mikatakanahalfwidth
N minus
N minusbelowcmb
N minuscircle
N minusmod
N minusplus
N minute
N miribaarusquare
N mirisquare
N mlonglegturned
N mlsquare
N mmcubedsquare
N mmonospace

N mmsquaredsquare
N mohiragana
N mohmsquare
N mokatakana
N mokatakanahalfwidth
N molsquare
N momathai
N moverssquare
N moverssquaredsquare
N mparen
N mpasquare
N mssquare
N mturned
N mu
N mu1
N muasquare
N muchgreater
N muchless
N mufsquare
N mugreek
N mugsquare
N muhiragana
N mukatakana
N mukatakanahalfwidth
N mulsquare
N multiply
N mumsquare
N munahhebrew
N munahlefthebrew
N musicalnote
N musicalnotedbl
N musicflatsign
N musicsharpsign
N mussquare
N muvsquare
N muwsquare
N mvmegasquare
N mvsquare
N mwmegasquare
N mwsquare
N n
N nabengali
N nabla
N nacute

N nadeva
N nagujarati
N nagurmukhi
N nahiragana
N nakatakana
N nakatakanahalfwidth
N napostrophe
N nasquare
N nbopomofo
N nbspace
N ncaron
N ncedilla
N ncircle
N ncircumflexbelow
N ncommaaccent
N ndotaccent
N ndotbelow
N nehiragana
N nekatakana
N nekatakanahalfwidth
N newsheqelsign
N nfsquare
N ngabengali
N ngadeva
N ngagujarati
N ngagurmukhi
N ngonguthai
N nhiragana
N nhookleft
N nhookretroflex
N nieunacirclekorean
N nieunaparenkorean
N nieuncieuckorean
N nieuncirclekorean
N nieunhieuhkorean
N nieunkorean
N nieunpansioskorean
N nieunparenkorean
N nieunsioskorean
N nieuntikeutkorean
N nihiragana
N nikatakana
N nikatakanahalfwidth
N nikhahitthai

N nine
N ninearabic
N ninebengali
N ninecircle
N ninecircleinversesansserif
N ninedeva
N ninegujarati
N ninegurmukhi
N ninehackarabic
N ninehangzhou
N nineideographicparen
N nineinferior
N ninemonospace
N nineparen
N nineperiod
N ninepersian
N nineroman
N ninesuperior
N nineteencircle
N nineteenparen
N nineteenperiod
N ninethai
N nj
N njecyrillic
N nkatakana
N nkatakanahalfwidth
N nlegrightlong
N nlinebelow
N nmonospace
N nmsquare
N nnabengali
N nnadeva
N nnagujarati
N nnagurmukhi
N nnnadeva
N nohiragana
N nokatakana
N nokatakanahalfwidth
N nonbreakingspace
N nonenthai
N nonuthai
N noonarabic
N noonfinalarabic
N noonghunnaarabic

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 nuhiragana	N ocyrillic
N nukatakana	N odblacute
N nukatakanahalfwidth	N odblgrave
N nuktabengali	N odeva
N nuktadeva	N odieresis
N nuktagujarati	N odieresiscyrillic
N nuktagurmukhi	N odotbelow
N numbersign	N oe
N numbersignmonospace	N oekorean
N numbersignsmall	N ogonek
N numeralsigngreek	N ogonekcmb
N numeralsignlowergreek	N ograve
N numero	N ogujarati
N nun	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 omega1

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 otilde

N otildeacute

N otildedieresis

N oubopomofo

N overline

N overlinecenterline

N overlinecmb

N overlinedashed

N overlinedblwavy

N overlinewavy

N overscore

N ovowelsignbengali

N ovowelsigndeva

N ovowelsigngujarati

N p

N paampssquare

N paasentosquare

N pabengali

N pacute

N padeva

N pagedown

N pageup

N pagujarati

N pagurmukhi

N pahiragana

N paiyannoithai

N pakatakana

N palatalizationcyrilliccmb

N palochkacyrillic

N pansioskorean

N paragraph

N parallel

N parenleft

N parenleftaltonearabic

N parenleftinferior

N parenleftmonospace

N parenleftsmall

N parenleftsuperior

N parenleftvertical

N parenright

N parenrightaltonearabic

N parenrightinferior

N parenrightmonospace

N parenrightsmall

N parenrightsuperior

N parenrightvertical

N partialdiff

N paseqhebrew

N pashtahebrew

N pasquare

N patah

N patah11

N patah1d

N patah2a

N patahhebrew

N patahnarrowhebrew

N patahquarterhebrew

N patahwidehebrew

N pazerhebrew

N pbopomofo

N pcircle

N pdotaccent

N pe

N pecyrillic

N pedagesh

N pedageshhebrew

N peezisquare

N pefinaldageshhebrew

N peharabic

N peharmenian

N pehebrew

N pehfinalarabic

N pehinitialarabic

N pehiragana

N pehmedialarabic

N pekatakana

N pemiddlehookcyrillic

N perafehebrew

N percent

N percentarabic

N percentmonospace

N percentsmall

N period

N periodarmenian

N periodcentered

N periodhalfwidth

N periodmonospace

N periodsmall

N perispomenigreekcmb

N perpendicular

N perthousand

N peseta

N pfsquare

N phabengali

N phadeva

N phagujarati

N phagurmukhi

N phi

N phi1

N phieuphacirclekorean

N phieuphaparenkorean

N phieuphcirclekorean

N phieuphkorean

N phieuphparenkorean

N philatin

N phinthuthai

N phisymbolgreek

N phook

N phophanthai

N phophungthai

N phosamphaothai

N pi

N pieupacirclekorean

N pieupaparenkorean

N pieupcieuckorean

N pieupcirclekorean

N pieupkiyeokkorean

N pieupkorean

N pieupparenkorean

N pieupsioskiyeokkorean

N pieupsioskorean

N pieupsiostikeutkorean

N pieupthieuthkorean

N pieuptikeutkorean

N pihiragana

N pikatakana

N pisymbolgreek

N piwrarmenian

N plus

N plusbelowcmb

N pluscircle

N plusminus

N plusmod

N plusmonospace

N plussmall

N plussuperior

N pmonospace

N pmsquare

N pohiragana

N pointingindexdownwhite

N pointingindexleftwhite

N pointingindexrightwhite

N pointingindexupwhite

N pokatakana

N poplathai

N postalmark

N postalmarkface

N pparen

N precedes

N prescription

N primemod

N primereversed

N product

N projective

N prolongedkana

N propellor

N propersubset

N propersuperset

N proportion

N proportional

N psi

N psicyrillic

N psilipneumatacyrilliccmb

N pssquare

N puhiragana

N pukatakana

N pvsquare

N pwsquare

N q

N qadeva

N qadmahebrew

N qafarabic

N qaffinalarabic

N qafinitialarabic

N qafmedialarabic

N qamats

N qamats10

N qamats1a

N qamats1c

N qamats27

N qamats29

N qamats33

N qamatsde

N qamatshebrew

N qamatsnarrowhebrew

N qamatsqatanhebrew

N qamatsqatannarrowhebrew

N qamatsqatanquarterhebrew

N qamatsqatanwidehebrew

N qamatsquarterhebrew

N qamatswidehebrew

N qarneyparahebrew

N qbopomofo

N qcircle

N qhook

N qmonospace

N qof

N qofdagesh

N qofdageshhebrew

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 qoftserehebrew

N qparen

N quarternote

N qubuts

N qubuts18

N qubuts25

N qubuts31

N qubutshebrew

N qubutsnarrowhebrew

N qubutsquarterhebrew

N qubutswidehebrew

N question

N questionarabic

N questionarmenian

N questiondown

N questiongreek

N questionmonospace

N quotedbl

N quotedblbase

N quotedblleft

N quotedblmonospace

N quotedblprime

N quotedblprimereversed

N quotedblright

N quoteleft

N quoteleftreversed

N quotereversed

N quoteright

N quoterightn

N quotesinglbase

N quotesingle

N quotesinglemonospace

N r

N raarmenian

N rabengali

N racute

N radeva

N radical

N radoverssquare

N radoverssquaredsquare

N radsquare

N rafe

N rafehebrew

N ragujarati

N ragurmukhi

N rahiragana

N rakatakana

N rakatakanahalfwidth

N ralowerdiagonalbengali

N ramiddlediagonalbengali

N ramshorn

N ratio

N rbopomofo

N rcaron

N rcedilla

N rcircle

N rcommaaccent

N rdblgrave

N rdotaccent	N rhadeva
N rdotbelow	N rho
N rdotbelowmacron	N rhook
N referencemark	N rhookturned
N reflexsubset	N rhookturnedsuperior
N reflexsuperset	N rhosymbolgreek
N registered	N rhotichookmod
N reharabic	N rieulacirclekorean
N reharmenian	N rieulaparenkorean
N rehfinalarabic	N rieulcirclekorean
N rehiragana	N rieulhieuhkorean
N rehyehaleflamarabic	N rieulkiyeokkorean
N rekatakana	N rieulkiyeoksioskorean
N rekatakanahalfwidth	N rieulkorean
N resh	N rieulmieumkorean
N reshdageshhebrew	N rieulpansioskorean
N reshhatafpatah	N rieulparenkorean
N reshhatafpatahhebrew	N rieulphieuphkorean
N reshhatafsegol	N rieulpieupkorean
N reshhatafsegolhebrew	N rieulpieupsioskorean
N reshhebrew	N rieulsioskorean
N reshhiriq	N rieulthieuthkorean
N reshhiriqhebrew	N rieultikeutkorean
N reshholam	N rieulyeorinhieuhkorean
N reshholamhebrew	N rightangle
N reshpatah	N righttackbelowcmb
N reshpatahhebrew	N righttriangle
N reshqamats	N rihiragana
N reshqamatshebrew	N rikatakana
N reshqubuts	N rikatakanahalfwidth
N reshqubutshebrew	N ring
N reshsegol	N ringbelowcmb
N reshsegolhebrew	N ringcmb
N reshsheva	N ringhalfleft
N reshshevahebrew	N ringhalfleftarmenian
N reshtsere	N ringhalfleftbelowcmb
N reshtserehebrew	N ringhalfleftcentered
N reversedtilde	N ringhalfright
N reviahebrew	N ringhalfrightbelowcmb
N reviamugrashhebrew	N ringhalfrightcentered
N revlogicalnot	N rinvertedbreve
N rfishhook	N rittorusquare
N rfishhookreversed	N rlinebelow
N rhabengali	N rlongleg

N rlonglegturned	N sahiragana
N rmonospace	N sakatakana
N rohiragana	N sakatakanahalfwidth
N rokatakana	N sallallahoualayhewasallamarabic
N rokatakanahalfwidth	N samekh
N roruathai	N samekhdagesh
N rparen	N samekhdageshhebrew
N rrabengali	N samekhhebrew
N rradeva	N saraaathai
N rragurmukhi	N saraaethai
N rreharabic	N saraaimaimalaithai
N rrehfinalarabic	N saraaimaimuanthai
N rrvocalicbengali	N saraamthai
N rrvocalicdeva	N saraathai
N rrvocalicgujarati	N saraethai
N rrvocalicvowelsignbengali	N saraiithai
N rrvocalicvowelsigndeva	N saraithai
N rrvocalicvowelsigngujarati	N saraothai
N rtblock	N saraueethai
N rturned	N sarauethai
N rturnedsuperior	N sarauthai
N ruhiragana	N sarauuthai
N rukatakana	N sbopomofo
N rukatakanahalfwidth	N scaron
N rupeemarkbengali	N scarondotaccent
N rupeesignbengali	N scedilla
N ruthai	N schwa
N rvocalicbengali	N schwacyrillic
N rvocalicdeva	N schwadieresiscyrillic
N rvocalicgujarati	N schwahook
N rvocalicvowelsignbengali	N scircle
N rvocalicvowelsigndeva	N scircumflex
N rvocalicvowelsigngujarati	N scommaaccent
N s	N sdotaccent
N sabengali	N sdotbelow
N sacute	N sdotbelowdotaccent
N sacutedotaccent	N seagullbelowcmb
N sadarabic	N second
N sadeva	N secondtonechinese
N sadfinalarabic	N section
N sadinitialarabic	N seenarabic
N sadmedialarabic	N seenfinalarabic
N sagujarati	N seeninitialarabic
N sagurmukhi	N seenmedialarabic

N segol
N segol13
N segol1f
N segol2c
N segolhebrew
N segolnarrowhebrew
N segolquarterhebrew
N segoltahebrew
N segolwidehebrew
N seharmenian
N sehiragana
N sekatakana
N sekatakanahalfwidth
N semicolon
N semicolonarabic
N semicolonmonospace
N semicolonsmall
N semivoicedmarkkana
N semivoicedmarkkanahalfwidth
N sentisquare
N sentosquare
N seven
N sevenarabic
N sevenbengali
N sevencircle
N sevencircleinversesansserif
N sevendeva
N seveneighths
N sevengujarati
N sevengurmukhi
N sevenhackarabic
N sevenhangzhou
N sevenideographicparen
N seveninferior
N sevenmonospace
N sevenparen
N sevenperiod
N sevenpersian
N sevenroman
N sevensuperior
N seventeencircle
N seventeenparen
N seventeenperiod
N seventhai

N sfthyphen
N shaarmenian
N shabengali
N shacyrillic
N shaddaarabic
N shaddadammaarabic
N shaddadammatanarabic
N shaddafathaarabic
N shaddafathatanarabic
N shaddakasraarabic
N shaddakasratanarabic
N shade
N shadedark
N shadelight
N shademedium
N shadeva
N shagujarati
N shagurmukhi
N shalshelethebrew
N shbopomofo
N shchacyrillic
N sheenarabic
N sheenfinalarabic
N sheeninitialarabic
N sheenmedialarabic
N sheicoptic
N sheqel
N sheqelhebrew
N sheva
N sheva115
N sheva15
N sheva22
N sheva2e
N shevahebrew
N shevanarrowhebrew
N shevaquarterhebrew
N shevawidehebrew
N shhacyrillic
N shimacoptic
N shin
N shindagesh
N shindageshhebrew
N shindageshshindot
N shindageshshindothebrew

N shindageshsindot
N shindageshsindothebrew
N shindothebrew
N shinhebrew
N shinshindot
N shinshindothebrew
N shinsindot
N shinsindothebrew
N shook
N sigma
N sigma1
N sigmafinal
N sigmalunatesymbolgreek
N sihiragana
N sikatakana
N sikatakanahalfwidth
N siluqhebrew
N siluqlefthebrew
N similar
N sindothebrew
N siosacirclekorean
N siosaparenkorean
N sioscieuckorean
N sioscirclekorean
N sioskiyeokkorean
N sioskorean
N siosnieunkorean
N siosparenkorean
N siospieupkorean
N siostikeutkorean
N six
N sixarabic
N sixbengali
N sixcircle
N sixcircleinversesansserif
N sixdeva
N sixgujarati
N sixgurmukhi
N sixhackarabic
N sixhangzhou
N sixideographicparen
N sixinferior
N sixmonospace
N sixparen

N sixperiod
N sixpersian
N sixroman
N sixsuperior
N sixteencircle
N sixteencurrencydenominatorbengali
N sixteenparen
N sixteenperiod
N sixthai
N slash
N slashmonospace
N slong
N slongdotaccent
N smileface
N smonospace
N sofpasuqhebrew
N softhyphen
N softsigncyrillic
N sohiragana
N sokatakana
N sokatakanahalfwidth
N soliduslongoverlaycmb
N solidusshortoverlaycmb
N sorusithai
N sosalathai
N sosothai
N sosuathai
N space
N spacehackarabic
N spade
N spadesuitblack
N spadesuitwhite
N sparen
N squarebelowcmb
N squarecc
N squarecm
N squarediagonalcrosshatchfill
N squarehorizontalfill
N squarekg
N squarekm
N squarekmcapital
N squareln
N squarelog
N squaremg

N squaremil	N tadeva
N squaremm	N tagujarati
N squaremsquared	N tagurmukhi
N squareorthogonalcrosshatchfill	N taharabic
N squareupperlefttolowerrightfill	N tahfinalarabic
N squareupperrighttolowerleftfill	N tahinitialarabic
N squareverticalfill	N tahiragana
N squarewhitewithsmallblack	N tahmedialarabic
N srsquare	N taisyouerasquare
N ssabengali	N takatakana
N ssadeva	N takatakanahalfwidth
N ssagujarati	N tatweelarabic
N ssangcieuckorean	N tau
N ssanghieuhkorean	N tav
N ssangieungkorean	N tavdages
N ssangkiyeokkorean	N tavdagesh
N ssangnieunkorean	N tavdageshhebrew
N ssangpieupkorean	N tavhebrew
N ssangsioskorean	N tbar
N ssangtikeutkorean	N tbopomofo
N sterling	N tcaron
N sterlingmonospace	N tccurl
N strokelongoverlaycmb	N tcedilla
N strokeshortoverlaycmb	N tcheharabic
N subset	N tchehfinalarabic
N subsetnotequal	N tchehinitialarabic
N subsetorequal	N tchehmedialarabic
N succeeds	N tchehmeeminitialarabic
N suchthat	N tcircle
N suhiragana	N tcircumflexbelow
N sukatakana	N tcommaaccent
N sukatakanahalfwidth	N tdieresis
N sukunarabic	N tdotaccent
N summation	N tdotbelow
N sun	N tecyrillic
N superset	N tedescendercyrillic
N supersetnotequal	N teharabic
N supersetorequal	N tehfinalarabic
N svsquare	N tehhahinitialarabic
N syouwaerasquare	N tehhahisolatedarabic
N t	N tehinitialarabic
N tabengali	N tehiragana
N tackdown	N tehjeeminitialarabic
N tackleft	N tehjeemisolatedarabic

N tehmarbutaarabic
N tehmarbutafinalarabic
N tehmedialarabic
N tehmeeminitialarabic
N tehmeemisolatedarabic
N tehnoonfinalarabic
N tekatakana
N tekatakanahalfwidth
N telephone
N telephoneblack
N telishagedolahebrew
N telishaqetanahebrew
N tencircle
N tenideographicparen
N tenparen
N tenperiod
N tenroman
N tesh
N tet
N tetdagesh
N tetdageshhebrew
N tethebrew
N tetsecyrillic
N tevirhebrew
N tevirlefthebrew
N thabengali
N thadeva
N thagujarati
N thagurmukhi
N thalarabic
N thalfinalarabic
N thanthakhatthai
N theharabic
N thehfinalarabic
N thehinitialarabic
N thehmedialarabic
N thereexists
N therefore
N theta
N theta1
N thetasymbolgreek
N thieuthacirclekorean
N thieuthaparenkorean
N thieuthcirclekorean

N thieuthkorean
N thieuthparenkorean
N thirteencircle
N thirteenparen
N thirteenperiod
N thonangmonthothai
N thook
N thophuthaothai
N thorn
N thothahanthai
N thothanthai
N thothongthai
N thothungthai
N thousandcyrillic
N thousandsseparatorarabic
N thousandsseparatorpersian
N three
N threearabic
N threebengali
N threecircle
N threecircleinversesansserif
N threedeva
N threeeighths
N threegujarati
N threegurmukhi
N threehackarabic
N threehangzhou
N threeideographicparen
N threeinferior
N threemonospace
N threenumeratorbengali
N threeparen
N threeperiod
N threepersian
N threequarters
N threeroman
N threesuperior
N threethai
N thzsquare
N tihiragana
N tikatakana
N tikatakanahalfwidth
N tikeutacirclekorean
N tikeutaparenkorean

N tikeutcirclekorean

N tikeutkorean

N tikeutparenkorean

N tilde

N tildebelowcmb

N tildecmb

N tildecomb

N tildedoublecmb

N tildeoperator

N tildeoverlaycmb

N tildeverticalcmb

N timescircle

N tipehahebrew

N tipehalefthebrew

N tippigurmukhi

N titlocyrilliccmb

N tiwnarmenian

N tlinebelow

N tmonospace

N toarmenian

N tohiragana

N tokatakana

N tokatakanahalfwidth

N tonebarextrahighmod

N tonebarextralowmod

N tonebarhighmod

N tonebarlowmod

N tonebarmidmod

N tonefive

N tonesix

N tonetwo

N tonos

N tonsquare

N topatakthai

N tortoiseshellbracketleft

N tortoiseshellbracketleftsmall

N tortoiseshellbracketleftvertical

N tortoiseshellbracketright

N tortoiseshellbracketrightsmall

N tortoiseshellbracketrightvertical

N totaothai

N tpalatalhook

N tparen

N trademark

N tretroflexhook

N triagdn

N triaglf

N triagrt

N triagup

N ts

N tsadi

N tsadidagesh

N tsadidageshhebrew

N tsadihebrew

N tsecyrillic

N tsere

N tsere12

N tsere1e

N tsere2b

N tserehebrew

N tserenarrowhebrew

N tserequarterhebrew

N tserewidehebrew

N tshecyrillic

N ttabengali

N ttadeva

N ttagujarati

N ttagurmukhi

N tteharabic

N ttehfinalarabic

N ttehinitialarabic

N ttehmedialarabic

N tthabengali

N tthadeva

N tthagujarati

N tthagurmukhi

N tturned

N tuhiragana

N tukatakana

N tukatakanahalfwidth

N tusmallhiragana

N tusmallkatakana

N tusmallkatakanahalfwidth

N twelvecircle

N twelveparen

N twelveperiod

N twelveroman

N twentycircle

N twentyparen	N udieresisbelow
N twentyperiod	N udieresiscaron
N two	N udieresiscyrillic
N twoarabic	N udieresisgrave
N twobengali	N udieresismacron
N twocircle	N udotbelow
N twocircleinversesansserif	N ugrave
N twodeva	N ugujarati
N twodotenleader	N ugurmukhi
N twodotleader	N uhiragana
N twodotleadervertical	N uhookabove
N twogujarati	N uhorn
N twogurmukhi	N uhornacute
N twohackarabic	N uhorndotbelow
N twohangzhou	N uhorngrave
N twoideographicparen	N uhornhookabove
N twoinferior	N uhorntilde
N twomonospace	N uhungarumlaut
N twonumeratorbengali	N uhungarumlautcyrillic
N twoparen	N uinvertedbreve
N twoperiod	N ukatakana
N twopersian	N ukatakanahalfwidth
N tworoman	N ukcyrillic
N twostroke	N ukorean
N twosuperior	N umacron
N twothai	N umacroncyrillic
N twothirds	N umacrondieresis
N u	N umatragurmukhi
N uacute	N umonospace
N ubar	N underscore
N ubengali	N underscoredbl
N ubopomofo	N underscoremonospace
N ubreve	N underscorevertical
N ucaron	N underscorewavy
N ucircle	N union
N ucircumflex	N universal
N ucircumflexbelow	N uogonek
N ucyrillic	N uparen
N udattadeva	N upblock
N udblacute	N upperdothebrew
N udblgrave	N upsilon
N udeva	N upsilondieresis
N udieresis	N upsilondieresistonos
N udieresisacute	N upsilonlatin

N upsilontonos
N uptackbelowcmb
N uptackmod
N uragurmukhi
N uring
N ushortcyrillic
N usmallhiragana
N usmallkatakana
N usmallkatakanahalfwidth
N ustraightcyrillic
N ustraightstrokecyrillic
N utilde
N utildeacute
N utildebelow
N uubengali
N uudeva
N uugujarati
N uugurmukhi
N uumatragurmukhi
N uuvowelsignbengali
N uuvowelsigndeva
N uuvowelsigngujarati
N uvowelsignbengali
N uvowelsigndeva
N uvowelsigngujarati
N v
N vadeva
N vagujarati
N vagurmukhi
N vakatakana
N vav
N vavdagesh
N vavdagesh65
N vavdageshhebrew
N vavhebrew
N vavholam
N vavholamhebrew
N vavvavhebrew
N vavyodhebrew
N vcircle
N vdotbelow
N vecyrillic
N veharabic
N vehfinalarabic

N vehinitialarabic
N vehmedialarabic
N vekatakana
N venus
N verticalbar
N verticallineabovecmb
N verticallinebelowcmb
N verticallinelowmod
N verticallinemod
N vewarmenian
N vhook
N vikatakana
N viramabengali
N viramadeva
N viramagujarati
N visargabengali
N visargadeva
N visargagujarati
N vmonospace
N voarmenian
N voiceiterationhiragana
N voiceiterationkatakana
N voicedmarkkana
N voicedmarkkanahalfwidth
N vokatakana
N vparen
N vtilde
N vturned
N vuhiragana
N vukatakana
N w
N wacute
N waekorean
N wahiragana
N wakatakana
N wakatakanahalfwidth
N wakorean
N wasmallhiragana
N wasmallkatakana
N wattosquare
N wavedash
N wavyunderscorevertical
N wawarabic
N wawfinalarabic

N wawhamzaabovearabic

N wawhamzaabovefinalarabic

N wbsquare

N wcircle

N wcircumflex

N wdieresis

N wdotaccent

N wdotbelow

N wehiragana

N weierstrass

N wekatakana

N wekorean

N weokorean

N wgrave

N whitebullet

N whitecircle

N whitecircleinverse

N whitecornerbracketleft

N whitecornerbracketleftvertical

N whitecornerbracketright

N whitecornerbracketrightvertical

N whitediamond

N whitediamondcontainingblacksmalldiamond

N whitedownpointingsmalltriangle

N whitedownpointingtriangle

N whiteleftpointingsmalltriangle

N whiteleftpointingtriangle

N whitelenticularbracketleft

N whitelenticularbracketright

N whiterightpointingsmalltriangle

N whiterightpointingtriangle

N whitesmallsquare

N whitesmilingface

N whitesquare

N whitestar

N whitetelephone

N whitetortoiseshellbracketleft

N whitetortoiseshellbracketright

N whiteuppointingsmalltriangle

N whiteuppointingtriangle

N wihiragana

N wikatakana

N wikorean

N wmonospace

N wohiragana

N wokatakana

N wokatakanahalfwidth

N won

N wonmonospace

N wowaenthai

N wparen

N wring

N wsuperior

N wturned

N wynn

N x

N xabovecmb

N xbopomofo

N xcircle

N xdieresis

N xdotaccent

N xeharmenian

N xi

N xmonospace

N xparen

N xsuperior

N y

N yaadosquare

N yabengali

N yacute

N yadeva

N yaekorean

N yagujarati

N yagurmukhi

N yahiragana

N yakatakana

N yakatakanahalfwidth

N yakorean

N yamakkanthai

N yasmallhiragana

N yasmallkatakana

N yasmallkatakanahalfwidth

N yatcyrillic

N ycircle

N ycircumflex

N ydieresis

N ydotaccent

N ydotbelow

N yeharabic

N yehbarreearabic

N yehbarreefinalarabic

N yehfinalarabic

N yehhamzaabovearabic

N yehhamzaabovefinalarabic

N yehhamzaaboveinitialarabic

N yehhamzaabovemedialarabic

N yehinitialarabic

N yehmedialarabic

N yehmeeminitialarabic

N yehmeemisolatedarabic

N yehnoonfinalarabic

N yehthreedotsbelowarabic

N yekorean

N yen

N yenmonospace

N yeokorean

N yeorinhieuhkorean

N yerahbenyomohebrew

N yerahbenyomolefthebrew

N yericyrillic

N yerudieresiscyrillic

N yesieungkorean

N yesieungpansioskorean

N yesieungsioskorean

N yetivhebrew

N ygrave

N yhook

N yhookabove

N yiarmenian

N yicyrillic

N yikorean

N yinyang

N yiwnarmenian

N ymonospace

N yod

N yoddagesh

N yoddageshhebrew

N yodhebrew

N yodyodhebrew

N yodyodpatahhebrew

N yohiragana

N yoikorean

N yokatakana

N yokatakanahalfwidth

N yokorean

N yosmallhiragana

N yosmallkatakana

N yosmallkatakanahalfwidth

N yotgreek

N yoyaekorean

N yoyakorean

N yoyakthai

N yoyingthai

N yparen

N ypogegrammeni

N ypogegrammenigreekcmb

N yr

N yring

N ysuperior

N ytilde

N yturned

N yuhiragana

N yuikorean

N yukatakana

N yukatakanahalfwidth

N yukorean

N yusbigcyrillic

N yusbigiotifiedcyrillic

N yuslittlecyrillic

N yuslittleiotifiedcyrillic

N yusmallhiragana

N yusmallkatakana

N yusmallkatakanahalfwidth

N yuyekorean

N yuyeokorean

N yyabengali

N yyadeva

N z

N zaarmenian

N zacute

N zadeva

N zagurmukhi

N zaharabic

N zahfinalarabic

N zahinitialarabic

N zahiragana

N zahmedialarabic
N zainarabic
N zainfinalarabic
N zakatakana
N zaqefgadolhebrew
N zaqefqatanhebrew
N zarqahebrew
N zayin
N zayindagesh
N zayindageshhebrew
N zayinhebrew
N zbopomofo
N zcaron
N zcircle
N zcircumflex
N zcurl
N zdot
N zdotaccent
N zdotbelow
N zecyrillic
N zedescendercyrillic
N zedieresiscyrillic
N zehiragana
N zekatakana
N zero
N zeroarabic
N zerobengali
N zerodeva
N zerogujarati
N zerogurmukhi
N zerohackarabic
N zeroinferior
N zeromonospace
N zeropersian
N zerosuperior
N zerothai
N zerowidthjoiner
N zerowidthnonjoiner
N zerowidthspace
N zeta
N zhbopomofo
N zhearmenian
N zhebrevecyrillic
N zhecyrillic

N zhedescendercyrillic
N zhedieresiscyrillic
N zihiragana
N zikatakana
N zinorhebrew
N zlinebelow
N zmonospace
N zohiragana
N zokatakana
N zparen
N zretroflexhook
N zstroke
N zuhiragana
N zukatakana
N version

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expansions data table
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getdiscexpansion function
getkern function
getmultiple function
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    F opentype
   T kern
    F opentype
    F type1
   T multiple
    F opentype
   T substitution
    F opentype
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   D colorschemes
   T data
   T dejavu-math
    S author
    S comment
    S copyright
    B initialized
    T mathematics
     T alternates
      T dotless

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      S comment                          helpers             table
      S feature                             F addextraprivate
      N value                               F addprivate
    T kerns                                 F dimenfactor
    S name                                  F expandglyph
    S version                               F fontpatternhassize
  D designsizes                             F getcoloredglyphs
  D filenames                               F getdigitwidth
  F getcompositions                         F getparameters
  T list                                    F getprivatecharornode
  F load                                    F getprivatenode
  F prepare_features                        F getprivates
  F register                                F getprivateslot
  F registerpostprocessor                   F hasprivate
  F report                                  F indextoslot
  T suffixes                                F name
handlers            table                   F nametoslot
hashes              table                   F setdigitwidth
  D characters                              F splitfontpattern
  D csnames                                 F tochar
  D descriptions                        infofont            function
  D dynamics                            iterators           table
  D emwidths                                F characters
  D exheights                               F descriptions
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  D identifiers                             F add_placeholders
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  D modes                                   F register
  D originals                               F reportdefinedfonts
  D parameters                              F reportusedfeatures
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  D properties                              F addtounicode
  D quads                                   F fromunicode16
  D resources                               F loadfile
  T setdynamics                             F loadline
  T shapes                                  F makenameparser
  D spaces                                  T overloads
  D spacings                                  T IJ
  D unicodes                                    N mess
  D variants                                    S name
  D xheights                                    T unicode
```

T f_f			**mp**	table
	N mess		D cache	
	S name		B inline	
	T unicode		N version	
T f_f_i			**names**	data table
	N mess		**nulldata**	data table
	S name		**protrusions**	data table
	T unicode		**readers**	table
T f_f_l			F afm	
	N mess		F check_lua	
	S name		F check_tfm	
	T unicode		F lua	
T f_i			F ofm	
	N mess		F opentype	
	S name		F otf	
	T unicode		F pfb	
T f_j			D sequence	
	S name		F tfm	
	T unicode		F ttc	
T f_k			F ttf	
	S name		F woff	
	T unicode		**reserveid**	function
T f_l			**select**	table
	N mess		D alternatives	
	S name		F bodyfont	
	T unicode		D data	
T i_j			F default	
	N mess		D defaults	
	S name		F definefallbackfamily	
	T unicode		F definefontfamily	
F reset			F definefontfamilypreset	
F tounicode			D extras	
F tounicode16			F fallback	
F tounicode16sequence			D fallbacks	
metapost	table		F features	
F boundingbox			F filefallback	
F boxtomp			F fontdata	
F draw			F fontfallback	
F fill			F fontsynonym	
F maxbounds			F goodies	
F output			F mathfallback	
F paths			D methods	
F widthline			D presets	
F zeroline			F registerfallback	

F	registerfiles	F	splitcontext
F	registerfontalternative	D	synonyms
F	registerfontfamily	D	variants
F	textfallback	**symbols**	**table**
F	typeface	F	uselibrary
F	typescript	**tables**	**table**
F	userdata	D	data
setdiscexpansion	**function**	F	savefont
specifiers	**table**	F	saveoriginal
D	contextmerged	**tracers**	**table**
F	contextnumber	**treatments**	**table**
D	contextnumbers	F	applyfixes
D	contextsetups	D	data
F	contexttostring	S	filename
F	definecontext	F	ignoredfile
F	mergecontext	F	report
F	presetcontext	F	trace
F	registercontext	**typefaces**	**table**
F	showcontext		

functions (context)

dummy function

graphics (context)

backgrounds table

    F calculatemultipar

    F fetchmultipar

    F pair

    F path

    F point

gzip (extra lua)

close function   **open**   function

lines function   **save**   function

load   function   **suffix** function

img (basic tex)

boxes	function	**ofindex**	function
check	function	**package**	function
checksize	function	**print**	function
clone	function	**scan**	function
copy	function	**serialize**	function
immediatewrite	function	**totable**	function
keys	function	**types**	function
new	function	**write**	function
node	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
linkedlists data table
pages   table
    F setpagetransition
    F setupcanvas
references   table
    F setclosedocument
    F setclosepage
    F setopendocument
    F setopenpage
renderings   data table
soundclips   data table

interfaces (context)

addvalidkeys	function	F	MPpardata
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cachesetup	function	F	MPpos
checkedspecification	function	F	MPposset
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corenamespaces	data table	F	MPrs
currentinterface	string	F	MPul
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defined	function	F	MPwhd
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formats	data table	F	MPxywhd
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getnamespace	function	F	abjadnodotnumerals
getsetupstring	function	F	abjadnumerals
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interfacedcommand	function	F	addfeature
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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	analysefloatmethod
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 autosetups

F autostarttext

F autostoptext

F averagecharwidth

F bitmapimage

F blockcolumnset

F boxtostring

F bposcolumn

F bposcolumnregistered

F btxabbreviatedjournal

F btxaddentry

F btxaddjournal

F btxauthor

F btxauthorfield

F btxauthortoregister

F btxcollectlistentries

F btxcurrentfirstnames

F btxcurrentinitials

F btxcurrentjuniors

F btxcurrentsurnames

F btxcurrentvons

F btxdetail

F btxdirect

F btxdoif

F btxdoifelse

F btxdoifelsecombiinlist

F btxdoifelsesameasprevious

F btxdoifelseuservariable

F btxdoifnot

F btxexpandedjournal

F btxfetchlistentries

F btxfield

F btxfieldname

F btxfieldtype

F btxfirstofrange

F btxflush

F btxflushlistcombi

F btxflushlistentry

F btxflushmarked

F btxflushpages

F btxfoundname

F btxfoundtype

F btxhandlecite

F btxhandlenocite

F btxlastofrange

F btxlistvariant

F btxloaddefinitionfile

F btxloadjournallist

F btxloadreplacementfile

F btxoneorrange

F btxpreparelistentries

F btxremapauthor

F btxsavedataset

F btxsavejournallist

F btxsetdataset

F btxsetentry

F btxsetregister

F btxsetspecification

F btxsingularorplural

F btxtoregister

F btxusedataset

F btxuservariable

F buildtextaccent

F character

F characters

F chardescription

F checkcolumnset

F checkcountersetup

F checkedconversion

F checkedpagefloat

F checkinjector

F checkinterfacechain

F checktwopassdata

F chemicalcomponent

F chinesenumerals

F cleanfontname

F cleanupbox

F cleanuplayers

F clonefield

F collectfloat

F collecthelp

F colorcomponents

F columnsetcurrentcolumn

F columnsetgoto

F columnsetnoto

F concatcommalist

F consultfloat

F convertbtxdatasettoxml

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 definefontfamilypreset	F disableparbuilder

F disableregime
F disablespellchecking
F disablestatetriggering
F disablestream
F disabletrackers
F discardfromlist
F doanalyzeframedbox
F doifcommon
F doifcounter
F doifelseblack
F doifelsebuffer
F doifelsecharinfont
F doifelsecommon
F doifelsecontinuewithfile
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedrawingblack
F doifelsefieldcategory
F doifelsefiledefined
F doifelsefileexist
F doifelsefirstchar
F doifelsefontpresent
F doifelseinelement
F doifelseinputfile
F doifelseinset
F doifelseintwopassdata
F doifelseleapyear
F doifelselisthasentry
F doifelselisthasnumber
F doifelselisthaspage
F doifelselisthastitle
F doifelselocfile
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 doifelsereference
F doifelserighttoleftinbox
F doifelsesame
F doifelsestackedfloats
F doifelsesynonymshown
F doifelsesynonymused
F doifelseurldefined
F doifelseutfmathabove
F doifelseutfmathaccent
F doifelseutfmathbelow
F doifelseutfmathfiller
F doifelsevisualizer
F doiffieldsetelse
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 dosetpositionwhd
F dostarttextfile
F dostoptextfile
F elapsedtime
F enableasciimode
F enableautofences
F enableautofontscript
F enablebackgroundalign
F enablebackgroundboxes

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 enablefontcolorschemes	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 enhancelinkedlist	F filterreference
F enhancelist	F finalizebox
F enhancereference	F findregisterinternal
F enhanceregister	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 fakeword	F flushlabeledfloat
F featureattribute	F flushnotes
F featurelist	F flushpageinjectionsafter
F feedback	F flushpageinjectionsbefore
F fetchallmarks	F flushpostponedblocks
F fetchmultipar	F flushpostponednotes
F fetchmultishape	F flushstream
F fetchonemark	F flushstreamcopy
F fetchposboxes	F fontchar
F fetchtwomarks	F fontcharbyindex
F figure_check	F fontcollectionclone
F figure_done	F fontcollectiondefine
F figure_dummy	F fontcollectionprepare

F fontcollectionregister
F fontcollectionreport
F fontcollectionreset
F fontlookupgetkey
F fontlookupgetkeyofindex
F fontlookupinitialize
F fontlookupnoffound
F forceendjob
F forcequitjob
F formatcolor
F formatgray
F from
F frule
F getbidimode
F getbodyfontsizes
F getboxfromcache
F getbuffer
F getbufferctxlua
F getbuffermkvi
F getcheckedinterfaceparameters
F getcurrentprefixspec
F getcurrentreferencemetadata
F getdefaultfieldvalue
F getdocumentargument
F getdocumentfilename
F getelementtag
F getfieldcategory
F getfile
F getfirstcharacter
F getfirsttwopassdata
F getfloatvariable
F getfullstructurenumber
F getinternalcachedlistreference
F getinternallistreference
F getlasttwopassdata
F getmarking
F getmathdomain
F getmathitalics
F getmessage
F getmpextensions
F getmprandomnumber
F getnaturaldimensions
F getnaturalwd
F getnotestate

F getobjectdimensions
F getobjectreference
F getobjectreferencepage
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F getprivatemathchar
F getprivateslot
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F getrandomfloat
F getrandomnumber
F getrandomseed
F getreadfilename
F getsetupstring
F getsomefullstructurenumber
F getsomestructurenumber
F getspecificstructuretitle
F getstructurelevel
F getstructurenumber
F getsubstring
F gettexbuffer
F gettwopassdata
F gettwopassdatalist
F geturl
F getvisual
F hboxtovbox
F helpaction
F helppreference
F hexstringtonumber
F horizontalcode
F hour
F hyphenatedlist
F hyphenatedurl
F immediatemessage
F incrementcounter
F incrementedcounter
F incrementsubcounter
F initializejob
F initializemathdomain
F initializemathitalics
F initializestream
F initializetexdirectives
F initializetextrackers
F injectcurrentreference

F injectcurrentreferencehtdp	F locatefilepath
F injectreference	F locfilename
F inlinechemical	F lower
F inputfilebarename	F lpdf_adddocumentcolorspace
F inputfilename	F lpdf_adddocumenttextgstate
F inputfilerealsuffix	F lpdf_adddocumentpattern
F inputfilesuffix	F lpdf_adddocumentshade
F insertattachment	F lpdf_addtocatalog
F insertcomment	F lpdf_addtoinfo
F insertfield	F lpdf_addtonames
F insertionnumber	F lpdf_addtopageattributes
F insertrenderingwindow	F lpdf_addtopageresources
F installedlanguages	F lpdf_addtopagesattributes
F installtexdirective	F lpdf_collectedresources
F installtextracker	F lpdf_color
F jobfilefullname	F luascript
F jobfilename	F luathread
F jobfilesuffix	F lxmlid
F languagenumber	F markcontent
F lastcountervalue	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 markvisualfonts
F listgroupindex	F mathfraction
F listlabel	F mathrenderset
F listlocation	F message
F listnamespaces	F metapostescaped
F listprefixednumber	F metapostformatted
F listprefixedpage	F metapostgraphformat
F listrealpage	F minute
F listsize	F mixcleanup
F listtitle	F mixfinalize
F listuserdata	F mixflushlist
F loadexamodes	F mixflushrest
F loadfontgoodies	F mixgetsplit
F loadluamodule	F mixsetsplit
F loadmapfile	F mixstate
F loadmapline	F molecule
F loadspellchecklist	F month
F loadtypescriptfile	F monthmnem
F loadvisualizer	F monthname

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 postponenotes
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 octstringtonumber	F processbodyfontsizes
F operatingsystem	F processbuffer
F ordinal	F processcolorcomponents
F outputfilename	F processedfile
F overloadbookmark	F processedfiles

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

F resetprevdepth	F setcharacteralign
F resetreference	F setcharactercasing
F resetscript	F setcharactercleaning
F resetshownsynonyms	F setcharacterkerning
F resetstructureprocessor	F setcharacterspacing
F resetsubcounter	F setcharacterstripping
F resettimer	F setclosedocumentaction
F resettrackers	F setclosepageaction
F resetusedsynonyms	F setcolormodel
F restartcounter	F setcolumnsetarea
F restartsubcounter	F setcolumnsetlines
F restorecounter	F setcolumnsetproperties
F restorecurrentattributes	F setcolumnsetstart
F restorenote	F setcounter
F restoreobject	F setdataset
F reuserandomseed	F setdestinationattribute
F revivefeature	F setdigitsmanipulation
F romannumerals	F setdirection
F rounded	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 setfieldcalculationset
F savemargindata	F setfigurelookuporder
F savenote	F setfigurepaths
F savepagedata	F setfirstline
F savepageinjections	F setfontfeature
F saveparallel	F setfontofid
F savespecificfloat	F setfontsolution
F savestructureblock	F setformat
F savetaggedtwopassdata	F setformsmethod
F savetwopassdata	F sethsizecolumnset
F savevariable	F sethsizecolumnspan
F second	F sethyphenatedurlcharacters
F selectstructureblock	F sethyphenationfeatures
F setactivecatcodes	F sethyphenationmethod
F setbreakpoints	F setinitial

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 setscript
F setinternalreference	F setsectionblock
F setitaliccorrection	F setsectionentry
F setjavascriptpreamble	F setstructureblockstate
F setjobcomment	F setstructurelevel
F setlanguageexceptions	F setstructurenumber
F setlanguagesynonym	F setsubcounter
F setlettercatcodes	F settagaspect
F setmapfile	F settagcombination
F setmapline	F settagdelimitedsymbol
F setmarking	F settagfigure
F setmathalphabet	F settaggedmetadata
F setmathalternate	F settaghighlight
F setmathattribute	F settagitem
F setmathdirection	F settagitemgroup
F setmathdomain	F settaglist
F setmathitalics	F settagnotation
F setmathstyle	F settagnotationsymbol
F setmpextensions	F settagproperty
F setnaturalwd	F settagproperty_b
F setnegative	F settagproperty_n
F setnextinternalreference	F settagregister
F setnextreferenceorder	F settagsorting
F setnotestate	F settagsubsentencesymbol
F setopendocumentaction	F settagsynonym
F setopenpageaction	F settagtablecell
F setowncounter	F settagtabulatecell
F setownsubcounter	F setupbookmarks
F setpagecolormodel	F setupcanvas
F setpagestate	F setupcharacterspacing
F setpagestaterealpageno	F setupexport
F setpagetransition	F setupfontexpansion
F setparbuilder	F setupfontprotrusion
F setpdfcompression	F setupidentity
F setprofile	F setupinsertion
F setrandomseed	F setupitaliccorrection

F setuplinenumbering

F setuserinterface

F setvalidinterfacekeys

F setvisual

F setvisualfont

F setvisuallayer

F setvisuals

F setvsizecolumnset

F setxmpfile

F showassignerror

F showattributes

F showcounter

F showdebuginfo

F showdirectives

F showdiscretionaries

F showexperiments

F showhyphenatedinlist

F showhyphenationtrace

F showinjector

F showjustification

F showlogcategories

F showmessage

F showtrackers

F sin

F sind

F specifiedfont

F specifiedfontsize

F specifiedfontspec

F splitfilename

F spotcolorname

F spotcolorparent

F spotcolorvalue

F startactualtext

F startchemical

F startcolorset

F startcomponent

F startenvironment

F startfontsolution

F startparbuilder

F startproduct

F startproject

F startregime

F startsectionlevel

F startstream

F starttag

F starttag_c

F starttag_d

F starttag_u

F starttext

F startviewerlayer

F step

F stopactualtext

F stopchemical

F stopcolorset

F stopcomponent

F stopenvironment

F stopfontsolution

F stopparbuilder

F stopproduct

F stopproject

F stopregime

F stopsectionlevel

F stopstream

F stoptag

F stoptext

F stopviewerlayer

F storejavascriptcode

F storejavascriptpreamble

F storenote

F storeregister

F strdp

F strhd

F strht

F strip

F structureautocatcodedget

F structurecatcodedget

F structuregivencatcodedget

F structurenumber

F structuretitle

F structureuservariable

F structurevariable

F strwd

F subcountervalue

F subcountervalues

F subsubcountervalues

F subtractfeature

F synccolor

F synccolorclone

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 useMPlibrary	F weekday
F useanyfile	F weekdayname
F useanyfileonce	F writestatus
F usecldfile	F x_table_c
F usecldfileonce	F x_table_cleanup
F usecolors	F x_table_construct
F usecomponent	F x_table_create
F useenvironment	F x_table_finish_row
F usefigurebase	F x_table_flush
F usefile	F x_table_init_construct

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 xmlflushlinewise
F xmladdindex	F xmlflushpure
F xmlaftersetup	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 xmldirectivesafter	F xmlmatch
F xmldirectivesbefore	F xmlname
F xmldisplayverbatim	F xmlnamespace
F xmldoif	F xmlnonspace
F xmldoifelse	F xmlpath
F xmldoifelseempty	F xmlpos
F xmldoifelseselfempty	F xmlprependsetup
F xmldoifelsetext	F xmlpure
F xmldoifempty	F xmlraw
F xmldoifnot	F xmlrawtex

F xmlrefatt	F xmltofile
F xmlregisterns	F xmltoparameters
F xmlremapname	F xmlverbatim
F xmlremapnamespace	F xmlwithindex
F xmlremovesetup	F year
F xmlresetinjectors	
F xmlresetsetups	
F xmlsave	
F xmlsetcommandtonone	
F xmlsetcommandtotext	
F xmlsetentity	
F xmlsetinjectors	
F xmlsetsetup	
F xmlsnippet	
F xmlstartraw	
F xmlstarttiming	
F xmlstopraw	
F xmlstoptiming	
F xmlstrip	
F xmlstripanywhere	
F xmlstripnolines	
F xmlstripped	
F xmlstrippednolines	
F xmltag	
F xmltexentity	
F xmltext	
F xmltobuffer	
F xmltobufferverbose	

setconstant	function
setcount	function
setdimen	function
setelement	function
setformat	function
setmacro	function
setmessage	function
setmessages	function
settranslation	function
setupstrings	data table
setuserinterface	function
setvalidkeys	function
setvariable	function
showmessage	function
storedscanners	data table
strings	table
syntax	data table
tolist	function
translations	data table
usednamespaces	data table
variables	data table
writestatus	function

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	find
datasets	table	F	first
D collected		F	get
F extend		F	getcollected
F getdata		F	getdata
F setdata		F	getfield
D tobesaved		F	gettobesaved
disablesave	function	F	inlist
fileobjreferences	table	F	last
D collected		F	list
D tobesaved		F	save
files	table	F	savetagged
D collected		D	tobesaved
F context		**positions**	table
B forcerun		F	b_column
F run		F	b_region
D tobesaved		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		F	get
F set		F	getreserved
D tobesaved		F	gettobesaved
pack	boolean	F	hangafter
packversion	number	F	hangindent
pagestates	table	F	height
D collected		F	hsize
F extend		F	leftskip
F realpage		F	lowerleft
F setstate		F	lowerright
D tobesaved		F	markregionbox
passes	table	F	n
F check		F	onsamepage
D collected		F	overlapping
F count		F	p
F define		F	page

F	paragraph	**save**	function
F	parindent	**structure**	table
F	position	D	collected
F	r	T	components
F	region	T	tobesaved
F	replace	T	branches
F	rightskip	S	name
F	set	S	type
F	setall	**variables**	table
F	setregionbox	D	checksums
D	tobesaved	D	collected
F	upperleft	F	getchecksum
F	upperright	F	makechecksum
S	used	F	restore
F	width	F	save
F	x	F	setchecksum
F	xy	D	tobesaved
F	y	**version**	number
register	function		

lang (basic tex)

clean	function	**id**	function
clear_hyphenation	function	**new**	function
clear_patterns	function	**patterns**	function
exceptions	function	**postexhyphenchar**	function
gethjcode	function	**posthyphenchar**	function
hyphenate	function	**preexhyphenchar**	function
hyphenation	function	**prehyphenchar**	function
hyphenationmin	function	**sethjcode**	function

languages (context)

associate	function		F registerexception
associated	data table		F registerpattern
association	function		F setfeatures
counters	data table	**installed**	function
current	function	**labels**	table
data	data table	F define	
decimals	data table	F split	
define	function	**loadable**	function
expand	function	**loadwords**	function
expanders	table	**logger**	table
frequencies	table	F report	
F averagecharwidth		**numbers**	data table
F getdata		**postexhyphenchar**	function
getdata	function	**posthyphenchar**	function
getnumber	function	**preexhyphenchar**	function
hjcounts	table	**prehyphenchar**	function
hyphenate	function	**registered**	data table
hyphenators	table	**replacements**	table
T dictionaries		F add	
D featuresets		F handler	
F handler		F set	
T methods		**serializediscretionary**	function
F expanded		**setexceptions**	function
B none		**setsynonym**	function
F original		**showdiscretionaries**	function
F tex		**unload**	function
F traditional		**urls**	table
B optimize		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	

B enables
F found
F load

T methods
N threshold

layouts (context)

status table

F isleftpage

F leftorrightpageaction

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	**extratex**	data table
basictex	data table	**functions**	data table
builtin	data table	**globals**	data table
extralua	data table		

lmx (context)

color	function		**loadedfile**	function
convert	function		**make**	function
convertfile	function		**new**	function
convertstring	function		**overloaderror**	function
einject	function		**popupfile**	function
eprint	function		**print**	function
escape	function		**pv**	function
finalized	function		**report**	function
finject	function		**reset**	function
fprint	function		**result**	function
get	function		**set**	function
getvariables	function		**show**	function
htmfile	function		**showdebuginfo**	function
html	table		**showerror**	function
F a			**stripcss**	function
F td			**tv**	function
F th			**type**	function
include	function		**urlescape**	function
inherited	table		**variable**	function
S color-background-four			**variables**	table
S color-background-one			S color-background-blue	
S color-background-three			S color-background-body	
S color-background-two			S color-background-green	
S title			S color-background-main	
initialize	function		S color-background-purple	
inject	function		S color-background-yellow	
lmxfile	function		S title-default	

logs (context)

application	function		**reportlines**	function
categories	function		**setformats**	function
direct	function		**setformatters**	function
disable	function		**setlogfile**	function
enable	function		**setmessenger**	function
exporters	table		**setprocessor**	function
extendbanner	function		**setprogram**	function
flush	function		**settarget**	function
help	function		**settimedlog**	function
messenger	function		**settranslations**	function
new	function		**show**	function
newline	function		**show_close**	function
poptarget	function		**show_load**	function
pushtarget	function		**show_open**	function
report	function		**simple**	function
reportbanner	function		**simpleline**	function
reporter	function		**simplelines**	function
reporters	table		**start_page_number**	function
F banner			**status**	function
F export			**stop_page_number**	function
F help			**subdirect**	function
F info			**subreport**	function
F lines			**system**	function
F version			**texerrormessage**	function
reportline	function		**writer**	function

lpdf (context)

action	function	**finalizedocument**	function
adddocumentcolorspace	function	**finalizepage**	function
adddocumentextgstate	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
addxmpinfo	function	**getpos**	function
annotationspecification	function	**getvpos**	function
array	function	**graycode**	function
boolean	function	**hasmatrix**	function
border	function	**id**	function
checkedkey	function	**injectxmpinfo**	function
checkedvalue	function	**insertxmpinfo**	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
bytedone	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	**registerstopactions**	function
registerdumpactions	function	**registertempfile**	function
registerpageactions	function	**starttime**	number
registerstartactions	function		

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	**pos**	function
doifelsetext	function	**position**	function
doifempty	function	**pure**	function
doifnot	function	**raw**	function
doifnotempty	function	**rawroot**	function
doifnottext	function	**rawtex**	function
doiftext	function	**refatt**	function
element	function	**register**	function
elements	function	**registerentity**	function
entities	data table	**removesetup**	function
filter	function	**resetcdata**	function
filterlist	function	**resetsetups**	function
first	function	**resolvedentity**	function

root	function		**startraw**	function
save	function		**startunescaped**	function
serialize	function		**stopraw**	function
setaction	function		**stopunescaped**	function
setcdata	function		**store**	function
setcommandtonone	function		**strip**	function
setcommandtotext	function		**stripped**	function
setsetup	function		**tag**	function
snippet	function		**text**	function
sorters	table		**tobuffer**	function
			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				
splitid	function			

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**	function
deg	function	**randomseed**	function
div	function	**round**	function
even	function	**setrandomseedi**	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	**overloaddimensions**	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_message**	function
parse_from	function	**split_headers**	function
parse_header	function	**split_mbox**	function
parse_headers	function	**split_message**	function

md5 (extra lua)

HEX	function	**exor**	function
crypt	function	**hex**	function
dec	function	**sum**	function
decrypt	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	**textextsdata**	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	**boolean**	function
MakeupWidth	function	**dataset**	function
NOfColumns	function	**datasets**	table
NOfPages	function	F load	
NamedColor	function	**defaultcolormodel**	function
OnOddPage	function	**format**	function
OnRightPage	function	**formatted**	function
OuterEdgeDistance	function	**get**	table
OuterEdgeWidth	function	F boolean	
OuterMarginDistance	function	F number	

F numeric		**quadruple**	function
F string		**quoted**	function
get_outline_text	function	**report**	function
graphformat	function	**size**	function
n	function	**tb_dimensions**	function
numeric	function	**triplet**	function
pair	function	**tt_dimensions**	function
path	function	**tt_initialize**	function
print	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 alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process   function
processnested   function
processors   table
- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

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 getboth
- F getbox
- F getchar
- F getdisc
- F getfield
- F getfont
- F getglue
- F getid
- F getleader
- F getlist
- F getnext
- F getprev
- F getproperty
- F getsubtype
- 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 setboth
- F setbox
- F setchar
- F setdisc
- F setfield
- F setglue
- F setleader
- F setlink
- F setlist
- F setnext
- F setprev
- F setproperty
- F setsubtype
- F slide
- F tail
- F todirect
- F tonode
- F tostring
- F traverse
- F traverse_char

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

nodes (context)

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

	F unprotectglyphs	**leftmarginwidth**	function
has_attribute	function	**ligaturing**	function
has_field	function	**linefillers**	table
has_glyph	function	D data	
hpack	function	F define	
idstostring	function	F enable	
ignorablefields	data table	F handler	
injections	table	**lines**	table
F copy		T boxed	
F getligaindex		F register	
F getthreshold		F setup	
F handler		F stage_one	
F installnewkern		F stage_two	
F isspace		D data	
F keepcounts		F finalize	
F reset		F number	
F resetcounts		N scratchbox	
F setcursive		**link**	function
F setkern		**linked**	function
F setligaindex		**list**	function
F setmark		**listablefields**	data table
F setpair		**listcodes**	data table
F setspacekerns		**listtoutf**	function
insert_after	function	**load**	function
insert_before	function	**locate**	function
insert_list_after	function	**margincodes**	data table
installattributehandler	function	**marginkerncodes**	data table
is_char	function	**markers**	table
is_direct	function	F get	
is_display_math	function	**mathcodes**	data table
is_glyph	function	**maxboxwidth**	function
is_mirrored	data table	**mlist_to_hlist**	function
is_node	function	**new**	function
is_nut	function	**noadcodes**	data table
is_rotated	data table	**noadoptions**	table
is_zero_glue	function	N axis	
ischar	function	N exact	
isglyph	function	N left	
kerncodes	data table	N middle	
kerning	function	N no_axis	
keys	table	N right	
T whatsit		N set	
last_node	function	N unused_1	
leadercodes	data table	N unused_2	

nodecodes	data table	F has_field
nopts	function	F has_glyph
nuts	table	F hpack
F append		F insert_after
F check_discretionaries		F insert_before
F concat		F insert_list_after
F copy		F is_char
F copy_list		F is_direct
F copy_node		F is_display_math
F copy_properties		F is_glyph
F copyvisual		F is_node
F count		F is_nut
F current_attr		F is_zero_glue
F delete		F ischar
F dimensions		F isglyph
F effective_glue		F kerning
F end_of_math		F last_node
F first_glyph		F leftmarginwidth
F firstcharacter		F ligaturing
F firstcharinbox		F link
F firstglyph		F linked
F flush		F locate
F flush_list		F mlist_to_hlist
F flush_node		F nestedtracedslide
F free		F new
F fullhpack		T pool
F getattr		F baselineskip
F getattribute		F boundary
F getboth		F cleanup
F getbox		F disc
F getchar		F emptyrule
F getdisc		F fontkern
F getfield		F glue
F getfont		F gluespec
F getglue		F glyph
F getid		F hlist
F getleader		F italickern
F getlist		F kern
F getnext		F latelua
F getprev		F lateluafunction
F getprop		F leftmarginkern
F getskip		F leftskip
F getsubtype		F lineskip
F has_attribute		F negatedglue

F noad	F rehpack
F pdfannotation	F remove
F pdfdestination	F repackhlist
F pdfdirectliteral	F replace
F pdfliteral	F rightmarginwidth
F pdforiginliteral	F set_attribute
F pdfpageliteral	F setattr
F pdfrawliteral	F setattribute
F pdfrestore	F setattributes
F pdfsave	F setboth
F pdfsetmatrix	F setbox
F penalty	F setchar
F register	F setdisc
F rightmarginkern	F setfield
F rightskip	F setglue
F rule	F setleader
F shrink	F setlink
F special	F setlist
F stretch	F setnext
F temp	F setprev
F textdir	F setprop
F usage	F setsubtype
F userattributes	F setunsetattributes
T userids	F setvisual
N margins.inline	F setvisuals
N property	F slide
N splitters.one	F somepenalty
N splitters.two	F somespace
F userlist	F splitbox
F userlua	F tail
F usernumber	F takebox
F userrule	F takelist
F userstring	F theprop
F usertokens	F tonode
F vlist	F tonodes
F wordboundary	F tonut
F zeroglue	F tosequence
F prepend	F tostring
F protect_glyph	F tracedslide
F protect_glyphs	F traverse
F protrusion_skippable	F traverse_char
F rangedimensions	F traverse_id
F rawprop	T typesetters
F reference	F tohbox

F tohpack		F pdfliteral	
F tonodes		F pdforiginliteral	
F tovbox		F pdfrestore	
F tovpack		F pdfsave	
F unprotect_glyphs		F pdfsetmatrix	
F unset_attribute		F register	
F unsetattribute		F rule	
F unsetattributes		F special	
F untracedslide		F usage	
F usedlist		F usernumber	
F vianodes		F vlist	
F vianuts		**prepend**	function
F vpack		**print**	function
F write		**processors**	table
packlist	function	B enabled	
pardir_is_equal	data table	F hpack_filter	
pardir_is_opposite	data table	F post_linebreak_filter	
pardir_is_parallel	data table	F pre_linebreak_filter	
partextdir_is_equal	data table	F tracer	
penaltycodes	data table	**processwords**	function
plugindata	table	**properties**	table
F finalizer		T actions	
F initializer		F delayed	
S name		F fdelayed	
T namespace		F immediate	
N attribute		F attach	
D data		T data	
F enable		F delayed	
F handler		**protect_glyph**	function
F register		**protect_glyphs**	function
D registered		**protrusion_skippable**	function
D values		**pts**	function
F processor		**radicalcodes**	data table
points	function	**rangedimensions**	function
pool	table	**reference**	function
F baselineskip		**references**	table
F cleanup		N attribute	
F glyph		T done	
F hlist		F handler	
F kern		T stack	
F latelua		**rehpack**	function
F lateluafunction		**remove**	function
F lineskip		**repackhlist**	function
F pdfdirect		**replace**	function

report	function		**stripdiscretionaries**	function
rightmarginwidth	function		**stripping**	table
rulecodes	data table			T glyphs
rules	table			F set
	D data		**striprange**	function
	F define		**tail**	function
	F enable		**takebox**	function
	F handler		**tasks**	table
	T ruleactions			F actions
	F draw			F appendaction
	F fill			F disableaction
	F mp			F disablegroup
	F stroke			F enableaction
	F userrule			F enablegroup
save	function			F freeze
serialize	function			F freezegroup
serializebox	function			F new
set_attribute	function			F prependaction
setattributes	function			F removeaction
setbox	function			F replaceaction
setboxtonaturalwd	function			F restart
setfield	function			F setaction
setglue	function			F showactions
setunsetattributes	function			F table
shifts	table		**textdir_is_equal**	data table
	D data		**textdir_is_is**	data table
	F define		**textdir_is_opposite**	data table
	F enable		**textdir_is_parallel**	data table
	F handler		**tobasepoints**	function
show	function		**tocentimeters**	function
showboxes	function		**tociceros**	function
showcodes	function		**todidots**	function
showlist	function		**todimen**	function
showsimplelist	function		**toinches**	function
skipcodes	data table		**tomillimeters**	function
slide	function		**tonewciceros**	function
snapshots	table		**tonewdidots**	function
	F getparameters		**tonode**	function
	F getsamples		**tonodes**	function
	F resetsamples		**tonut**	function
	F takesample		**topicas**	function
somepenalty	function		**topoints**	function
somespace	function		**toscaledpoints**	function
splitbox	function		**tosequence**	function

tostring	function		F reset	
totable	function		F set	
totree	function		F setlist	
toutf	function	**traverse**	function	
tracers	table	**traverse_char**	function	
T characters		**traverse_id**	function	
F collect		**typesetters**	table	
F equal		F hbox		
F start		F hpack		
F string		F tohbox		
F unicodes		F tohpack		
T colors		F tonodes		
F reset		F tovbox		
F set		F tovpack		
F setlist		F vpack		
F fontchar		**unprotect_glyphs**	function	
T frequencies		**unset_attribute**	function	
F register		**unsetattribute**	function	
T pool		**unsetattributes**	function	
T nodes		**usedlist**	function	
F rule		**usercodes**	data table	
T nuts		**vianodes**	function	
F rule		**vianuts**	function	
F resetproperties		**visualizebox**	function	
F rule		**visualizers**	table	
F setlist		F box		
F setproperties		F handler		
F start		F markfonts		
T steppers		F setfont		
F check		F setlayer		
F codes		F setvisual		
F features		**vpack**	function	
F font		**whatcodes**	data table	
F glyphs		**whatsitcodes**	data table	
F message		**whatsitters**	table	
F messages		T getters		
F nofsteps		T dimensions		
F register		T width		
F reset		T setters		
F start		T dimensions		
F stop		T width		
F stop		**write**	function	
T transparencies				

number (context)

	function	**tocentimeters**	function
basepoints	function	**tociceros**	function
bit	function	**tocontext**	function
bits	function	**todidots**	function
clearbit	function	**todimen**	function
dimenfactors	data table	**toevenhex**	function
formatted	function	**toinches**	function
hasbit	function	**tomillimeters**	function
maxdimen	number	**tonewciceros**	function
nopts	function	**tonewdidots**	function
percent	function	**tonumberf**	function
points	function	**tonumberg**	function
pts	function	**topicas**	function
setbit	function	**topoints**	function
signed	function	**toscaled**	function
sparseexponent	function	**toscaledpoints**	function
splitdimen	function	**toset**	function
tobasepoints	function	**valid**	function
tobitstring	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	**validdate**	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
extraluapath	function	**preload**	table
extraluapaths	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 sethspan
- 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
getcatalog	function	**maxobjnum**	function
getcompresslevel	function	**newcolorstack**	function
getcreationdate	function	**obj**	function
getdecimaldigits	function	**objtype**	function
getdestmargin	function	**pageref**	function
gethpos	function	**print**	function
getignoreunknownimages	function	**refobj**	function
getimageresolution	function	**registerannot**	overloaded function
getinclusionerrorlevel	function	**reserveobj**	function
getinfo	function	**setcatalog**	overloaded function
getlastannot	function	**setcompresslevel**	function
getlastlink	function	**setdecimaldigits**	function
getlastobj	function	**setdestmargin**	function
getlinkmargin	function	**setfontattributes**	function
getmajorversion	function	**setignoreunknownimages**	function
getmatrix	function	**setimageresolution**	function
getminorversion	function	**setinclusionerrorlevel**	function
getnames	function	**setinfo**	overloaded function
getobjcompresslevel	function	**setlinkmargin**	function
getorigin	function	**setmajorversion**	function
getpageattributes	function	**setminorversion**	function
getpageresources	function	**setnames**	overloaded function
getpagesattributes	function	**setobjcompresslevel**	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   D tables

    F registerunit

profiler (extra lua)

pause function   **start** function
resume 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		**oneorrange**	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 nofregistered		**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	**process**	function
disable	function	**push**	function
enable	function	**toregime**	function
fromregime	function	**translate**	function
pop	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	**redefine**	function
disablerunners	function	**register**	function
enable	function	**registerbinary**	function
filehandlerone	function	**registerroot**	function
filehandlertwo	function	**registerrunner**	function
finalizer	function	**report**	function
initializer	function	**run**	function
iohandler	function	**runhandler**	function
logcalls	function	**setfilenamelogger**	function
logfiles	function	**setlogger**	function
original	function	**setreporter**	function
overload	function	**settrace**	function
possiblepath	function	**validfilename**	function

scripts (context)

autofontfeature   table
    F disable
    F enable
    F handler
categorytonumber   data table
colors   data table
decomposehangul   function
defaults   table
    N inter_char_half_shrink_factor
    N inter_char_half_stretch_factor
    N inter_char_hangul_penalty
    N inter_char_quarter_shrink_factor
    N inter_char_quarter_stretch_factor
    N inter_char_shrink_factor

    N inter_char_stretch_factor
    N inter_word_stretch_factor
handlers   data table
hash   table
injectors   data table
installdataset   function
installmethod   function
numbertocategory   data table
numbertodataset   data table
numbertohandler   data table
reset   function
set   function
splitters   data table

set (context)

contains	function	**tonumber**	function
create	function	**totable**	function
tolist	function		

socket (extra lua)

BLOCKSIZE	number	S	connection
_DEBUG	boolean	S	content-description
_SETSIZE	number	S	content-disposition
bind	function	S	content-encoding
choose	function	S	content-id
connect	function	S	content-language
connect4	function	S	content-length
connect6	function	S	content-location
dns	table	S	content-md5
F getaddrinfo		S	content-range
F gethostname		S	content-transfer-encoding
F getnameinfo		S	content-type
F tohostname		S	date
F toip		S	diagnostic-code
ftp	table	S	dsn-gateway
S PASSWORD		S	etag
N PORT		S	expect
N TIMEOUT		S	expires
S USER		S	final-log-id
F command		S	final-recipient
F get		S	from
F open		S	host
F put		S	if-match
gettime	function	S	if-modified-since
headers	table	S	if-none-match
T canonic		S	if-range
S accept		S	if-unmodified-since
S accept-charset		S	in-reply-to
S accept-encoding		S	keywords
S accept-language		S	last-attempt-date
S accept-ranges		S	last-modified
S action		S	location
S age		S	max-forwards
S allow		S	message-id
S alternate-recipient		S	mime-version
S arrival-date		S	original-envelope-id
S authorization		S	original-recipient
S bcc		S	pragma
S cache-control		S	proxy-authenticate
S cc		S	proxy-authorization
S comments		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 digitsmaximum
  N digitsoffset
  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		**push**	function
disable	function		**start**	function
enable	function		**stop**	function
flush	function		**synchronize**	function
initialize	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		**toboolean**	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
nspaces	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	tobesaved
D	stored	F	userdata

itemgroups table

F	uservalue

lists table

marks table

F	addto
F	analyze
B	autoreorder
D	cached
D	collected
F	discard
F	enhance
T	enhancers
F	filter
F	formulanumber
F	getresult
F	groupindex
F	hasnumberdata
F	haspagedata
F	hastitledata
F	iscached
D	kinds
F	label
F	location
D	names
F	number
D	ordered
F	page
F	popnesting
F	prefix
F	prefixednumber
F	prefixedpage
F	process
D	pushed
F	pushnesting
F	realpage
F	reordered
T	result

marks column:

D	data
F	define
F	exists
F	fetch
F	fetchallmarks
F	fetched
F	fetchonemark
F	fetchtwomarks
F	get
F	number
F	relate
F	reset
F	set
F	show
F	synchronize
F	title
T	tracers
F	showtable

notes table

F	checkpagechange
F	define
F	doifonsamepageasprevious
F	get
F	getdeltapage
F	getinternal
F	getn
F	getstate
F	hascontent
F	internal
F	internalid
F	listindex
F	ordered
F	postpone

F setreferencerealpage	F prepare
D specials	F process
F splitcomponent	F setmethod
F splitprefix	F sort
F splitreference	F store
F synchronizepage	D tobesaved
T testrunners	F unique
F inner	F userdata

sections   table

F special	F autodepth
F special operation	F cct
F special operation with arguments	D collected
T testspecials	F current
F deltapage	F currentblock
F i	F currentid
F internal	F currentlevel
F page	F currentsectionindex
F realpage	F depthnumber
F section	F finddata
F userpage	F findnumber
D tobereferred	F fullnumber
D tobesaved	F getcurrentlevel
D tracedpages	F getlevel
T urls	F getnumber
T data	F internalreference
F define	D levelmap
F found	D levels
F get	F load
F untex	F matchingtilldepth
D usedinternals	F numberatdepth
D usedviews	F numbers
F valid	F popblock

registers   table

F analyze	F prefixedconverted
D collected	F pushblock
F compare	F register
F define	D registered
F enhance	F reportstructure
F extend	F save
F filter	T sectionblockdata
F filtercollected	T bodypart
F finalize	S bookmark
F findinternal	F set
F flush	F setblock
F get	F setchecker

F	setentry		**tags**	table
F	setinitialblock		F	elementtag
F	setlevel		F	finishexport
F	setnumber		F	getid
F	structuredata		F	handler
F	title		D	labels
D	tobesaved		F	last
F	typesetnumber		F	lastinchain
F	userdata		F	locatedtag
B	verbose		T	patterns
sets		table	U	splitter
F	define		D	properties
F	get		F	registermetadata
F	getall		F	restart
D	setlist		F	setaspect
specials		table	F	setattributehash
D	collected		F	setcombination
F	retrieve		F	setfigure
F	store		F	sethighlight
D	tobesaved		F	setitem
synonyms		table	F	setitemgroup
F	analyzed		F	setlist
D	collected		F	setnotation
F	compare		F	setnotationsymbol
F	define		F	setproperty
F	filter		F	setregister
F	finalize		F	setsorting
F	flush		F	setsynonym
F	isshown		F	settablecell
F	isused		F	settabulatecell
F	meaning		F	settagdelimitedsymbol
F	prepare		F	settagsubsentencesymbol
F	process		F	setupexport
F	register		F	setuserproperties
F	registershown		D	specifications
F	registerused		F	start
F	resetshown		F	stop
F	resetused		F	strip
F	sort		D	taglist
F	synonym		T	usewithcare
D	tobesaved		T	images

table (basic lua)

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

tokens (context)

astable function
bgroup userdata
bits table
- N active
- N alignment
- N begingroup
- N character
- N close
- N comment
- N endgroup
- N endofline
- 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

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

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
    F handler
    F set
breakpoints   table
    F define
    F handler
    D mapping
    T methods
    T numbers
    F set
    F setreplacement
cases   table
    T actions
    F handler
    F register
    F set
characteralign table
    F handler
    F resetcharacteralign
    F setcharacteralign
characters   table
    F handler
    T methods
    F replacenbsp
    F replacenbspaces
checkers   table
    F handler
    F reset
    F set
cleaners   table
    F handler
    F set
digits   table
    T actions
    F handler
    F set
directions   table
    F getfences
    F getglobal
    F getmethod
    F handler

    T handlers
    F installhandler
    F processmath
    F set
    F setcolor
    F setmath
    F tomode
firstlines   table
    T actions
      F default
      F line
      F word
    F handler
    F set
initials   table
    T actions
      F default
    F addanchortoline
    F addtoline
    F calculatedelta
    F checkline
    F handler
    F moveinline
    F normalize
    F set
injectors   table
    F check
    T list
    F mark
    F reset
    F set
    F show
italics   table
    F enablemath
    F enabletext
    F forcevariant
    F handler
    F reset
    F set
kerns   table
    D factors

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

utf8   table
- F byte
- F char
- F characters
- F chrlen
- 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 subtituter
- F tocodes
- F toeight
- F toentities
- F tostring
- F totable
- F upper
- F ustring

F utf16_to_utf8_be

F utf16_to_utf8_be_t

F utf16_to_utf8_le

F utf16_to_utf8_le_t

F utf16_to_utf8_t

F utf32_to_utf8_be

F utf32_to_utf8_be_t

F utf32_to_utf8_le

F utf32_to_utf8_le_t

F utf32_to_utf8_t

F utf8_to_utf16

F utf8_to_utf16_be

F utf8_to_utf16_le

F utf8_to_utf8_t

F values

F xstring

url (context)

addscheme	function	**hasscheme**	function
barepath	function	**query**	function
construct	function	**split**	function
escape	function	**toquery**	function
filename	function	**unescapeget**	function
hashed	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 readcardinal3
- F readcardinal4
- F readchar
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger3
- F readinteger4
- 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
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F groupedsplitat

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

F	unittotex		F	open
F	unittoxml		F	read2dot14
			F	readbyte
report	**function**		F	readbytes
sequencers	**table**		F	readcardinal
F	appendaction		F	readcardinal1
F	appendgroup		F	readcardinal2
F	compile		F	readcardinal3
F	disableaction		F	readcardinal4
F	disablegroup		F	readchar
F	enableaction		F	readfixed4
F	enablegroup		F	readinteger
D	functions		F	readinteger1
F	localize		F	readinteger2
F	new		F	readinteger4
F	nodeprocessor		F	readstring
F	prependaction		F	setposition
F	prependgroup		F	size
F	removeaction		F	skip
F	replaceaction		F	skipbytes
F	setkind		F	skiplong
F	tostring		F	skipshort
setters	**table**		**strings**	**table**
F	disable		F	collapsecrlf
F	enable		T	formatters
F	initialize		F	add
F	list		F	new
F	new		F	newrepeater
F	register		F	nice
F	report		T	striplinepatterns
F	reset		U	collapse
F	show		U	prune
stacker	**table**		U	prune and collapse
F	new		U	prune and no empty
storage	**table**		U	retain
F	allocate		U	retain and collapse
F	checked		U	retain and no empty
F	mark		F	striplines
F	marked		F	striplong
F	setinitializer		F	tabtospace
F	sparse		T	tracers
streams	**table**		**tables**	**table**
F	close		F	accesstable
F	getposition		F	definedtable
F	look			

F definetable	F replacevalue
F encapsulate	**templates** table
F insertaftervalue	F load
F insertbeforevalue	F replace
F migratetable	F replacer
F removevalue	F resolve

vf (context)

char	function	**pop**	function
down	function	**push**	function
fontid	function	**right**	function
image	function	**rule**	function
node	function	**special**	function
nop	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
registerescapeline	function	**writespace**	function
registerescapepattern	function		

xml (context)

addentitiesdoctype	function	D parsedxml	
addspecialcode	function	D string	
after	function	D tex	
all	function	D texline	
applylpath	function	D texspace	
assign	function	D verbose	
attribute	function	**defaultprotocol**	string
badinclusions	function	**delete**	function
before	function	~~**delete_element**~~	~~function~~
body	function	**each**	function
builtinentities	table	~~**each_element**~~	~~function~~
B amp		**elements**	function
B apos		**elementtocdata**	function
B gt		**empty**	function
B lt		**entities**	data table
B quot		**erase**	function
cdata	function	**errorhandler**	function
cdatatotext	function	**escaped**	function
checkbom	function	**expressions**	table
checkerror	function	F boolean	
checknamespace	function	F child	
checkns	function	F contains	
cleansed	function	F count	
collect	function	F error	
~~**collect_elements**~~	~~function~~	F find	
collect_tags	function	F idstring	
~~**collect_texts**~~	~~function~~	F lower	
collected	function	F name	
collecttexts	function	F number	
content	function	F oneof	
convert	function	F print	
copy	function	F quit	
count	function	F tag	
cprint	function	F text	
css	table	F undefined	
F colorspecification		F upper	
F dimension		**fillin**	function
F fontspecification		**filter**	function
F padding		**finalizers**	table
defaulthandlers	table	F paragraphs	
D file		T tex	

F	all	F	match
F	attribute	F	name
F	chainattribute	F	position
F	chainpath	F	reverse
F	command	F	table
F	concat	F	tag
F	concatrange	F	tags
F	context	F	text
F	count	F	texts
F	ctxtext	F	upperall

F	default	**first**	function
F	first	**found**	function
F	function	**functions**	table
F	index	**getbuffer**	function
F	last	**gethandlers**	function
F	lettered	**gethandlersfunction**	function
F	lower	**helpers**	table
F	lowerall		
F	match	F	recursetext
F	name	**include**	function
F	position	**inclusion**	function
F	reverse	**inclusions**	function
F	stripped	**index**	function
F	tag	**inheritedconvert**	function
F	tags	**inject**	function
F	text	~~**inject_element**~~	~~function~~
F	upper	~~**inject_element_after**~~	~~function~~
F	upperall	~~**inject_element_before**~~	~~function~~
T	xml	**injectafter**	function
F	all	**injectbefore**	function
F	att	**insert**	function
F	attribute	**insert_element**	function
F	attributes	~~**insert_element_after**~~	~~function~~
F	cdata	~~**insert_element_before**~~	~~function~~
F	chainattribute	**insertafter**	function
F	count	**insertbefore**	function
F	default	**insertcdata**	function
F	elements	**insertcomment**	function
F	empty	**inspect**	function
F	first	**is_valid**	function
F	function	**kind**	function
F	index	**last**	function
F	last	**lastmatch**	function
F	lowerall	**load**	function
		lpath	function

lpathcached	function		**save**	function
lpathcalls	function		**selection**	function
lshow	function		**separate**	function
makestandalone	function		**serialize**	function
match	function		**setcdata**	function
name	function		**setcomment**	function
newhandlers	function		**sethandlersfunction**	function
nodesettostring	function		**setinjectors**	function
originalload	function		**setproperty**	function
package	function		**settings**	function
parent	function		**specialcodes**	table
parsedentitypeg	userdata		S "	
pihandlers	table		S #	
F injector			S $	
F tex			S %	
placeholders	table		S &	
F unknown_any_entity			S '	
F unknown_dec_entity			S <	
F unknown_hex_entity			S >	
position	function		S \	
privatecodes	table		S {	
privatetoken	function		S |	
process	function		S }	
~~**process_attributes**~~	~~function~~		S ~	
~~**process_elements**~~	~~function~~		**specialhandler**	table
processattributes	function		**sprint**	function
profiled	table		**string**	function
raw	function		**strip**	function
registerentity	function		~~**strip_whitespace**~~	~~function~~
registerns	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
reparsedentitypeg	userdata		**totable**	function
replace	function		**toxml**	function
replace_element	function		**tprint**	function
resetinjectors	function		**traverse**	function
resolvens	function		**unescaped**	function
root	function		**unescapedentitypeg**	userdata

unprivatized	function	**withelements**	function
unspecialized	function	**wrap**	function
withelement	function	**xmlns**	table

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	**decompress**	function
compress	function	**decompressobj**	function
compressobj	function	**version**	function
crc32	function		