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A Permuted Index for TeX and LaTeX

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Chapter 1

Introduction

This Index is designed to help TEX and LATEX users find the right command among the one thousand-odd commands documented. It is a permuted, or keyword-in-context index. Each command appears under each significant keyword in its definition. For example, `\eject` has the following definition:

```
force a page break
```

The following two entries appear in the Index, alphabetized by the keywords "page" and "break":

force a page	break.	`\eject` P
force a	page break.	`\eject` P

The superscript "P" at the end of the line means this is defined in the plain TEX macros. The full list is:

*	TEX primitive
(none)	plain TEX
L	LATEX command
3	new TEX version 3 command

If a definition is too long to fit on one side of a definition, it is wrapped around. The command definitions appear after the permuted index. There are two sections, one for TEX primitives and plain TEX, and the other for LATEX commands.

There may be some difficulty thinking of the right keyword used in a definition. I have tried to be consistent. Here are a few words I chose (in bold) and some likely synonyms:

create: make

define: create, initialize, set

select, construct: use

space: distance, glue, separation

test: if

The Proceedings of the summer 1989 TEX Users Group meeting contain a description of how this Index was prepared. The Proceedings were published in the *TUGboat* 10, no. 4.

I would like to thank Barbara Beeton, Michael Downes, John Hobby, Howard Trickey, and many others for definitions and suggestions. Doug McIlroy had some helpful suggestions about editing the Index. I'd also like to thank my wife Lorette, who endured my discovery of how much work an index requires.

Chapter 2

Permuted Index

	10 point bold font.	\tenbf
	10 point circle font.	\tencirc [L]
	10 point LaTeX symbol font.	\tenly [L]
	10 point line font.	\tenln [L]
	10 point math extension symbol font.	\tenex
	10 point math italic font.	\teni
	10 point math italic font.	\tenmi [L]
	10 point math symbol font.	\tensy
	10 point Roman font.	\tenrm
	10 point sans serif font.	\tensf [L]
	10 point slanted font.	\tensl
	10 point text italic font.	\tenit
	10 point typewriter font.	\tentt
	10 point wide circle font.	\tencircw [L]
	10 point wide line font.	\tenlnw [L]
ratio for variable delimiters times	1000.	\delimiterfactor [*]
magnification ratio times	1000.	\mag [*]
	11 point bold extended font.	\elvbf [L]
	11 point italic font.	\elvit [L]
	11 point LaTeX symbol font.	\elvly [L]
use	11 point magnification.	\magstephalf
	11 point math italic font.	\elvmi [L]
	11 point math symbol font.	\elvsy [L]
	11 point Roman font.	\elvrm [L]
	11 point sans serif font.	\elvsf [L]
	11 point slanted font.	\elvsl [L]
	11 point typewriter font.	\elvtt [L]
	12 point bold extended font.	\twlbf [L]
	12 point italic font.	\twlit [L]
	12 point LaTeX symbol font.	\twlly [L]
	12 point math italic font.	\twlmi [L]
	12 point math symbol font.	\twlsy [L]
	12 point Roman font.	\twlrm [L]
	12 point sans serif font.	\twlsf [L]
	12 point slanted font.	\twlsl [L]
	12 point typewriter font.	\twltt [L]
	14 point bold extended font.	\frtnbf [L]
	14 point LaTeX symbol font.	\frtnly [L]

14 point math italic font.	\frtnmi[L]
14 point math symbol font.	\frtnsy[L]
14 point Roman font.	\frtnrm[L]
1.5-line left math delimiter.	\Bigl
1.5-line math delimiter size.	\Big
1.5-line middle math delimiter.	\Bigm
1.5-line right math delimiter.	\Bigr
17 point bold extended font.	\svtnbf[L]
17 point LaTeX symbol font.	\svtnly[L]
17 point math italic font.	\svtnmi[L]
17 point math symbol font.	\svtnsy[L]
17 point Roman font.	\svtnrm[L]
1-line left math delimiter.	\bigl
1-line math delimiter size.	\big
1-line middle math delimiter.	\bigm
1-line right math delimiter.	\bigr
20 point bold extended font.	\twtybf[L]
20 point LaTeX symbol font.	\twtyly[L]
20 point math italic font.	\twtymi[L]
20 point math symbol font.	\twtysy[L]
20 point Roman font.	\twtyrm[L]
2.5-line left math delimiter.	\Biggl
2.5-line math delimiter size.	\Bigg
2.5-line middle math delimiter.	\Biggm
2.5-line right math delimiter.	\Biggr
2-line left math delimiter.	\biggl
2-line math delimiter size.	\bigg
2-line middle math delimiter.	\biggm
2-line right math delimiter.	\biggr
5 point boldface Roman font.	\fivebf
5 point LaTeX symbol font.	\fivly[L]
5 point math italic font.	\fivei
5 point math italic font.	\fivmi[L]
5 point math symbol font.	\fivesy
5 point math symbol font.	\fivsy[L]
5 point Roman font.	\fiverm
5 point Roman font.	\fivrm[L]
6 point LaTeX symbol font.	\sixly[L]
6 point math italic font.	\sixmi[L]
6 point math symbol font.	\sixsy[L]
6 point Roman font.	\sixrm[L]
7 point bold Roman font.	\sevenbf
7 point italic font.	\sevit[L]
7 point LaTeX symbol font.	\sevly[L]
7 point math italic font.	\seveni
7 point math italic font.	\sevmi[L]
7 point math symbol font.	\sevensy
7 point math symbol font.	\sevsy[L]
7 point Roman font.	\sevenrm
7 point Roman font.	\sevrm[L]
8 point italic font.	\egtit[L]
8 point LaTeX symbol font.	\egtly[L]
8 point math italic font.	\egtmi[L]

	8 point math symbol font.	\egtsy [L]
	8 point Roman font.	\egtrm [L]
	9 point bold extended font.	\ninbf [L]
	9 point italic font.	\ninit [L]
	9 point LaTeX symbol font.	\ninly [L]
	9 point math italic font.	\ninmi [L]
	9 point math symbol font.	\ninsy [L]
	9 point Roman font.	\ninrm [L]
	9 point typewriter font.	\nintt [L]
symbol	å.	\aa
symbol capital	Å.	\AA
place math limits	above and below math operators.	\limits [*]
stack one equation	above another.	\stackrel [L]
extra space	above displays.	\abovedisplayskip [*]
extra space	above displays following short lines.	\abovedisplayshortskip [*]
math	accent: acute ($\acute{x}$).	\acute
math	accent: bar ($\bar{x}$).	\bar
math	accent: bar under (x̲).	\b
math	accent: breve ($\breve{x}$).	\breve
cedilla	accent (ç).	\c
math	accent: check ($\check{x}$).	\check
check	accent (x̌).	\v
math	accent: dot ($\dot{x}$).	\dot
math	accent: double dot ($\ddot{x}$).	\ddot
dot under	accent (ẋ̣).	\d
acute	accent (é).	\'
grave	accent (è).	\`
math	accent: grave ($\grave{x}$).	\grave
math	accent: hat ($\hat{x}$).	\hat
tilde	accent (ñ).	\~
circumflex	accent (ô).	\^
macron or bar	accent (ō).	\=
put an	accent over the next character.	\accent [*]
place an	accent over the next math field.	\mathaccent [*]
diæresis or umlaut	accent (ẍ).	\"
long Hungarian umlaut	accent (ő).	\H
tie-after	accent (o͡o).	\t
math	accent: tilde ($\tilde{x}$).	\tilde
breve	accent (x̆).	\u
math	accent: vector ($\vec{x}$).	\vec
math	accent: wide hat ($\widehat{x}$).	\widehat
math	accent: wide tilde ($\widetilde{x}$).	\widetilde
dot	accent (ẋ).	\.
default horizontal kern character to position	accents.	\defaultskewchar [*]
shift super	accents.	\skew
horizontal kern to position	accents.	\skewchar [*]
produce TeX	accents in tabbing environment.	\a [L]
	accept looser line and page breaks.	\sloppy [L]
set @ alphabetic to	access internal commands.	\makeatletter [L]
category code for	active characters.	\active
	acute accent (é).	\'
math accent:	acute ($\acute{x}$).	\acute
	add a box to the vertical list shifted left.	\moveleft [*]

		add a box to the vertical list shifted right.	`\moveright`*
or tabular environment.		add extra space before a column in array	`\extracolsep`[L]
		add extra vertical space.	`\addvspace`[L]
		add footnote to title page.	`\thanks`[L]
		add horizontal space.	`\hskip`*
	un-box an hbox and	add it to the horizontal list.	`\unhbox`*
	un-box a copy of an hbox and	add it to the horizontal list.	`\unhcopy`*
	un-box a vbox and	add it to the vertical list.	`\unvbox`*
	un-box a copy of a vbox and	add it to the vertical list.	`\unvcopy`*
tables.		add text to table contents, figures, or	`\addtocontents`[L]
		add vertical space.	`\vskip`*
paragraph.	amount	added to badness of every line in a	`\linepenalty`*
	remove a kern just	added to the current list.	`\unkern`*
	remove a penalty just	added to the current list.	`\unpenalty`*
	remove a skip just	added to the current list.	`\unskip`*
	extra space	added to top of page.	`\topmargin`[L]
		additional authors on title page.	`\and`[L]
between lines.		additional penalty for page break	`\interlinepenalty`*
table.		adds an entry to the specified list or	`\addcontentsline`[L]
	demerits for	adjacent incompatible lines.	`\adjdemerits`*
		advance `\pageno` by one.	`\advancepageno`
	ligature digraph symbol	ae (æ).	`\ae`
	ligature digraph symbol capital	AE (Æ).	`\AE`
	penalty for page break just	after a display.	`\postdisplaypenalty`*
	permit a line break	after a slash.	`\slash`
	penalty for line break	after binary operation.	`\binoppenalty`*
	penalty for line break	after discretionary hyphen.	`\hyphenpenalty`*
	pause	after each line is read from a file.	`\pausing`*
	tokens to insert	after every `\cr` or nonredundant `\crcr`.	`\everycr`*
	penalty for line break	after explicit hyphen.	`\exhyphenpenalty`*
	penalty if page break	after first line of paragraph.	`\clubpenalty`*
	create end-of-sentence space	after following punctuation.	`\@`[L]
	penalty if page break	after hyphenated line.	`\brokenpenalty`*
	badness tolerance	after hyphenation.	`\tolerance`*
a word.	minimum number of characters	after hyphenation at the end of	`\righthyphenposition`[3]
	place superscripts and subscripts	after math operators.	`\nolimits`*
	penalty for line break	after math relation.	`\relpenalty`*
	suppress special spacing	after punctuation.	`\frenchspacing`
	enable special spacing	after punctuation.	`\nonfrenchspacing`
	hanging indentation changes	after specified number of lines.	`\hangafter`*
	extra space	after subscript or superscript.	`\scriptspace`*
	insert a token	after the current group is completed.	`\aftergroup`*
	insert a token	after the next assignment command.	`\afterassignment`*
	math symbol:	aleph (ℵ).	`\aleph`
		align a stack of equations.	`\eqalign`
numbers.		align a stack of equations with equation	`\eqalignno`
numbers.		align a stack of equations with left equation	`\leqalignno`
		align zero or more columns.	`\valign`*
	space between	aligned tab entries.	`\tabskip`*
	create an	aligned table.	`\halign`*
	create a multicolumn entry in an	aligned table.	`\span`*
	end a line in `\halign`	aligned text.	`\cr`*
	equivalent to `\cr`, end of	aligned text.	`\endline`

display a stack of formulas without	alignment.	\displaylines
special Plain TEX space used in	alignment.	\hideskip
span several columns in an	alignment.	\multispan
permit an	alignment entry to stick out of its column.	\hidewidth
suppress the template in the	alignment preamble for this entry.	\omit[*]
	allocate a new box register.	\newbox
	allocate a new count register.	\newcount
	allocate a new dimension register.	\newdimen
	allocate a new input file.	\newread
	allocate a new insert register.	\newinsert
	allocate a new math skip register.	\newmuskip
	allocate a new output file.	\newwrite
	allocate a new skip register.	\newskip
	allocate a new token register.	\newtoks
most recently	allocated register number.	\allocationnumber
	allow a line break.	\allowbreak
math Greek letter:	alpha (α).	\alpha
set @	alphabetic to access internal commands.	\makeatletter[L]
	alternative to an \if.	\else[*]
test	always false.	\iffalse[*]
test	always succeeds.	\iftrue[*]
math operator:	amalgamated sum, co-product ($\amalg$).	\amalg
vertical skip a large	amount.	\bigskip[L]
vertical skip a medium	amount.	\medskip[L]
vertical skip a small	amount.	\smallskip[L]
a paragraph.	amount added to badness of every line in	\linepenalty[*]
fail to span included material.	amount by which delimiters can	\delimitershortfall[*]
split off a specified	amount from a vbox.	\vsplit[*]
an index.	amount of extra space between entries in	\indexspace[L]
	amount of fil space in current page.	\pagefilstretch[*]
	amount of fill space in current page.	\pagefillstretch[*]
	amount of filll space in current page.	\pagefilllstretch[*]
	amount of glue shrinkage in current page.	\pageshrink[*]
	amount of glue stretch in current page.	\pagestretch[*]
generate a short	amount of verbatim text.	\verb[L]
an unoriented skip	amount with stretch of \lfill.	\fill[L]
	ampersand.	\&
math delimiter: left	angle bracket ($\langle$).	\langle
math delimiter: right	angle bracket ($\rangle$).	\rangle
	angle symbol ($\angle$).	\angle
stack one equation above	another.	\stackrel[L]
the following macro must not be called from	another macro.	\outer[*]
current list.	append a discretionary item to the	\discretionary[*]
width of rules	appended to overfull boxes.	\overfullrule[*]
set sectional units to	appendix style.	\appendix[L]
math relation:	approximately equal ($\approx$).	\approx
display counter as	Arabic numerals.	\arabic[L]
math function:	arc cosine.	\arccos
math function:	arc sine.	\arcsin
math function:	arc tangent.	\arctan
math function:	arg.	\arg
protect fragile commands and moving	arguments.	\protect[L]
perform	arithmetic on a register.	\advance[*]

vertical space	around a float in the middle of a page.	\intextsep [L]
define kerning	around math in text.	\mathsurround [*]
put a frame	around some text.	\frame [L]
horizontal line in	array and tabular environments.	\hline [L]
vertical line in	array and tabular environments.	\vline [L]
column separation in	array environment.	\arraycolsep [L]
begin	array environment.	\array [L]
end	array environment.	\endarray [L]
space between rows of	array or tabular environment.	\arraystretch [L]
multicolumn line in	array or tabular environment.	\cline [L]
double rule separation in	array or tabular environment.	\doublerulesep [L]
add extra space before a column in	array or tabular environment.	\extracolsep [L]
multicolumn entry in	array or tabular environment.	\multicolumn [L]
set width of	array rules.	\arrayrulewidth [L]
fill a space with a left	arrow.	\leftarrowfill
fill a space with a right	arrow.	\rightarrowfill
math symbol: down	arrow ($\downarrow$).	\downarrow
math symbol: downward double	arrow ($\Downarrow$).	\Downarrow
math symbol: hook left	arrow ($\hookleftarrow$).	\hookleftarrow
math symbol: hook right	arrow ($\hookrightarrow$).	\hookrightarrow
math symbol: left	arrow ($\leftarrow$).	\leftarrow
math symbol: left double	arrow ($\Leftarrow$).	\Leftarrow
math symbol: left-right	arrow ($\leftrightarrow$).	\leftrightarrow
math symbol: left-right double	arrow ($\Leftrightarrow$).	\Leftrightarrow
math symbol: long left	arrow ($\longleftarrow$).	\longleftarrow
math symbol: long left double	arrow ($\Longleftarrow$).	\Longleftarrow
math symbol: long left and right	arrow ($\longleftrightarrow$).	\longleftrightarrow
math symbol: long left-right double	arrow ($\Longleftrightarrow$).	\Longleftrightarrow
math symbol: long right	arrow ($\longrightarrow$).	\longrightarrow
math symbol: long right double	arrow ($\Longrightarrow$).	\Longrightarrow
math symbol: northeast	arrow ($\nearrow$).	\nearrow
math symbol: northwest	arrow ($\nwarrow$).	\nwarrow
left	arrow over a math formula.	\overleftarrow
right	arrow over a math formula.	\overrightarrow
math symbol: right	arrow ($\rightarrow$).	\rightarrow
math symbol: right double	arrow ($\Rightarrow$).	\Rightarrow
math symbol: southeast	arrow ($\searrow$).	\searrow
math symbol: southwest	arrow ($\swarrow$).	\swarrow
math delimiter: upward	arrow ($\uparrow$).	\uparrow
math symbol: upward double	arrow ($\Uparrow$).	\Uparrow
math delimiter: up-and-down	arrow ($\updownarrow$).	\updownarrow
math symbol: up-and-down double	arrow ($\Updownarrow$).	\Updownarrow
Plain TEX command to piece together long	arrows. internal	\joinrel
help message to display if user	asks for help.	\errhelp [*]
insert a token after the next	assignment command.	\afterassignment [*]
sequence and continues.	assigns the second token to a control	\futurelet [*]
command.	associate a counter with an item-type	\usecounter [L]
math operator:	asterisk ($\ast$).	\ast
math relation:	asymptote ($\asymp$).	\asymp
badness tolerance before hyphenation is	attempted.	\pretolerance [*]
title page	author.	\author [L]
additional	authors on title page.	\and [L]
suppress writing all	auxiliary files.	\nofiles [L]

select largest	available font.	\Huge[L]
math delimiter:	backslash (\).	\backslash
extra space in	badly-stretched lines.	\emergencystretch[3]
	badness of a box.	\badness[3]
amount added to	badness of every line in a paragraph.	\linepenalty[*]
	badness tolerance after hyphenation.	\tolerance[*]
attempted.	badness tolerance before hyphenation is	\pretolerance[*]
write	balanced error message to the terminal.	\errmessage[*]
include	balanced text in DVI file for post-processing.	\special[*]
list. place	balanced text into a mark item on the current	\mark[*]
translate	balanced text to lower-case.	\lowercase[*]
write	balanced text to terminal.	\message[*]
translate	balanced text to upper-case.	\uppercase[*]
macron or	bar accent (ō).	\=
math accent:	bar ($\bar{x}$).	\bar
math symbol: double vertical	bar ($\Big\Vert$).	\Arrowvert
math symbol: vertical	bar ($\Big\vert$).	\arrowvert
math symbol: double relation	bar ($=$).	\Relbar
math symbol: relation	bar ($-$).	\relbar
math symbol: vertical	bar ($\Vert$).	\\|
math accent:	bar under ($\underline{x}$).	\b
math delimiter: double vertical	bar ($\Vert$).	\Vert
math delimiter: vertical	bar ($\vert$).	\vert
create a box with vertical mode material with the	baseline at the top.	\vtop[*]
multiple of normal	\baselineskip.	\baselinestretch[L]
normal	\baselineskip.	\normalbaselineskip
extra space between lines if	\baselineskip isn't enough.	\lineskip[*]
	begin a floating figure.	\figure[L]
	begin a group.	\begingroup[*]
	begin a group.	\bgroup
	begin a loop.	\loop
	begin a new math list with a left delimiter.	\left[*]
	begin a tabbed line in an inner environment.	\tabalign
	begin a tabbed line in an outer environment.	\+
	begin and cross reference an equation.	\equation[L]
	begin array environment.	\array[L]
	begin centering environment.	\center[L]
	begin comment.	%
	begin display math mode.	\[[L]
command name.	begin expanding tokens to construct a	\csname[*]
	begin flush left environment.	\flushleft[L]
	begin flush right environment.	\flushright[L]
	begin math mode.	\([L]
	begin picture environment.	\picture[L]
environment.	begin theorem with special format in math	\proclaim
penalty at the	beginning of a list.	\@beginparpenalty[L]
mark the	beginning of a major subdivision.	\beginsection
	beginning of an environment.	\begin[L]
positive if hyphenating words	beginning with capital letters.	\uchyph[*]
tokens to insert when display math	begins.	\everydisplay[*]
tokens to insert when an hbox	begins.	\everyhbox[*]
tokens to insert when the job	begins.	\everyjob[*]

	tokens to insert when math in text	begins.	\everymath*
	tokens to insert when a paragraph	begins.	\everypar*
	tokens to insert when a vbox	begins.	\everyvbox*
	break a page unless there is a better \filbreak	below.	\filbreak
	extra space just	below displays.	\belowdisplayskip*
lines.	extra space just	below displays following short	\belowdisplayshortskip*
	place math limits above and	below math operators.	\limits*
	math Greek letter:	beta (β).	\beta
\framebox.	space	between a box and its contents in \fbox and	\fboxsep^L
	space	between a label and text of a list item.	\labelsep^L
	space	between aligned tab entries.	\tabskip*
	space	between columns in double column text.	\columnsep^L
	space	between double-column floats.	\dblfloatsep^L
	rule	between double-column floats and text.	\dblfigrule^L
text.	space	between double-column floats and	\dbltextfloatsep^L
	amount of extra space	between entries in an index.	\indexspace^L
paragraph.	space	between first list item and preceding	\topsep^L
	space	between floats.	\floatsep^L
	space	between floats and the text.	\textfloatsep^L
	normal space	between lines.	\baselineskip*
	additional penalty for page break	between lines.	\interlinepenalty*
	turn off extra space	between lines.	\offinterlineskip
	extra space	between lines if \baselineskip isn't enough.	\lineskip*
	minimum space	between lines in a vertical list.	\lineskiplimit*
	penalty for breaking	between lines of a display.	\interdisplaylinepenalty
footnote.	penalty for breaking	between lines of a	\interfootnotelinepenalty
	penalty	between list items.	\@itempenalty^L
	space	between main text and footnotes.	\footins^L
	distance	between marginal note and text.	\marginparsep^L
	vertical space	between marginal notes.	\marginparpush^L
	space	between page header and text.	\headsep^L
	define space	between paragraphs.	\parskip*
environment.	space	between paragraphs within an item in a list	\parsep^L
environment.	space	between rows of array or tabular	\arraystretch^L
	space	between sentences.	\xspaceskip*
	space	between successive items in a list environment.	\itemsep^L
	distance left by \' command	between tabbing fields.	\tabbingsep^L
	place rule	between text and bottom floats.	\botfigrule^L
	space	between text and page footer.	\footskip^L
	place rule	between top floats and text.	\topfigrule^L
	space	between words.	\spaceskip*
	specify	bibliographic style for BibTeX.	\bibliographystyle^L
	create a	bibliography entry.	\bibitem^L
	end	bibliography environment.	\endthebibliography^L
	enable BibTeX	bibliography interface.	\bibliography^L
	specify bibliographic style for	BibTeX.	\bibliographystyle^L
	enable	BibTeX bibliography interface.	\bibliography^L
	reference a	BibTeX item without citation.	\nocite^L
		big font size.	\big^L
		bigger font size.	\Big^L
		biggest font size.	\BIG^L
		\bigskip space.	\bigskipamount
	define a	binary math operator.	\mathbin*

math operator:	binary modulo (mod).	\bmod
penalty for line break after	binary operation.	\binoppenalty[*]
math	binary operator: join or V ($\vee$).	\vee
math	binary operator: operator ($\wedge$).	\wedge
math	binary operator: wreath product ($\wr$).	\wr
a	blank space.	\space
end of a \loop	body.	\repeat
produce a vertical list of the	body of a page.	\pagecontents
select	bold extended font.	\bf
11 point	bold extended font.	\elvbf[L]
14 point	bold extended font.	\frtnbf[L]
9 point	bold extended font.	\ninbf[L]
17 point	bold extended font.	\svtnbf[L]
12 point	bold extended font.	\twlbf[L]
20 point	bold extended font.	\twtybf[L]
10 point	bold font.	\tenbf
	bold font family.	\bffam
	bold font style.	\bf[L]
select	bold math italic and symbol fonts.	\boldmath[L]
unselect	bold math italic and symbol fonts.	\unboldmath[L]
7 point	bold Roman font.	\sevenbf
5 point	boldface Roman font.	\fivebf
value of	\botmark just before current page was boxed.	\topmark[*]
math symbol:	bottom ($\perp$).	\bot
place rule between text and	bottom floats.	\botfigrule[L]
fraction of column for	bottom floats.	\bottomfraction[L]
suppress	bottom justification of page text.	\raggedbottom
justify page	bottoms to the same height.	\flushbottom[L]
justify page	bottoms to the same height.	\normalbottom
justify page	bottoms to their natural height.	\raggedbottom[L]
upper	bound on output routine calls.	\maxdeadcycles[*]
math relation:	bowtie ($\bowtie$).	\bowtie
badness of a	box.	\badness[3]
use a	box.	\box[*]
use a copy of a	box.	\copy[*]
depth of a	box.	\dp[*]
create and frame a	box.	\fbox[L]
thickness of rule surrounding framed	box.	\fboxrule[L]
height of a	box.	\ht[*]
test for a horizontal	box.	\ifhbox[*]
test for a vertical	box.	\ifvbox[*]
test for an empty	box.	\ifvoid[*]
create a	box.	\mbox[L]
suppress interline space before next vertical	box.	\nointerlineskip
put a paragraph in a	box.	\parbox[L]
create and name a	box.	\sbox[L]
show a	box.	\showbox[*]
mark text last encountered in a split	box.	\splitbotmark[*]
mark text first encountered in a split	box.	\splitfirstmark[*]
maximum depth of boxes in a split	box.	\splitmaxdepth[*]
space at top of a split	box.	\splittopskip[*]
use a named	box.	\usebox[L]
width of a	box.	\wd[*]

raise a	box a distance.	\raisebox [L]
lower a	box a given distance.	\lower [*]
raise a	box a given distance.	\raise [*]
space between a	box and its contents in \fbox and \framebox.	\fboxsep [L]
math symbol:	box (□).	\Box [L]
	box containing a strut.	\strutbox
	box containing current tabs.	\tabs
maximum	box depth shown.	\showboxdepth [*]
create a	box in dashes, with positioning.	\dashbox [L]
create a	box of current line width.	\line
put page contents in a	box of the proper height.	\pagebody
fetch last	box off the current list.	\lastbox [*]
depth of the last	box on the vertical list.	\prevdepth [*]
surround a space with a repeated	box or rule.	\cleaders [*]
fill a space with a repeated	box or rule.	\leaders [*]
fill a space with an evenly distributed	box or rule.	\xleaders [*]
allocate a new	box register.	\newbox
define a new	box register.	\newsavebox [L]
store an hbox or vbox in a	box register.	\setbox [*]
send a	box to the DVI file.	\shipout [*]
add a	box to the vertical list shifted left.	\moveleft [*]
add a	box to the vertical list shifted right.	\moveright [*]
create a	box with a single column of items.	\shortstack [L]
create a	box with an underline.	\underbar
create a	box with horizontal mode material.	\hbox [*]
create and frame a	box, with positioning.	\framebox [L]
create a	box, with positioning.	\makebox [L]
create and name a	box, with positioning.	\savebox [L]
create an underlined	box with text in it.	\underline [L]
create a zero-width	box with text to the left.	\llap
create a zero-width	box with text to the right.	\rlap
constructs a	box with the page foot.	\makefootline
constructs a	box with the page header.	\makeheadline
create a	box with vertical mode material.	\vbox [*]
baseline at the top. create a	box with vertical mode material with the ...	\vtop [*]
mark text last encountered on page just	boxed.	\botmark [*]
mark text first encountered on page just	boxed.	\firstmark [*]
value of \botmark just before current page was	boxed.	\topmark [*]
maximum	boxed items shown at a given depth.	\showboxbreadth [*]
width of rules appended to overfull	boxes.	\overfullrule [*]
maximum depth of	boxes in a split box.	\splitmaxdepth [*]
maximum depth of	boxes on explicit pages.	\boxmaxdepth [*]
maximum depth of	boxes on main pages.	\maxdepth [*]
show	boxes that are shipped out.	\tracingoutput [*]
lower left piece of a horizontal	brace.	\braceld
upper left piece of a horizontal	brace.	\bracelu
lower right piece of a horizontal	brace.	\bracerd
upper right piece of a horizontal	brace.	\braceru
fill a space with a downward	brace.	\downbracefill
fill a space with an upward	brace.	\upbracefill
piece of a vertical	brace ($\vert$).	\bracevert
generate a matrix with a left	brace delimiter.	\cases

math delimiter: left curly	brace ({).	\lbrace
horizontal	brace over a math formula.	\overbrace
math delimiter: right curly	brace (}).	\rbrace
close	brace symbol.	\}
open	brace symbol.	\{
horizontal	brace under a math formula.	\underbrace
fraction without a rule with	braces.	\brace
math delimiter: left angle	bracket (⟨).	\langle
math delimiter: left	bracket ([).	\lbrack
math delimiter: left ceiling	bracket (⌈).	\lceil
math delimiter: left floor	bracket (⌊).	\lfloor
math delimiter: right angle	bracket (⟩).	\rangle
math delimiter: right	bracket (]).	\rbrack
math delimiter: right ceiling	bracket (⌉).	\rceil
fraction without a rule with	brackets.	\brack
allow a line	break.	\allowbreak
large vertical space or a good page	break.	\bigbreak
large vertical	break.	\bigskip
force a line	break.	\break
force a page	break.	\eject
good page	break.	\goodbreak
encourage a line	break.	\linebreak [L]
medium vertical space or a good page	break.	\medbreak
prohibit a line or page	break.	\nobreak
suppress a line	break.	\nolinebreak [L]
suppress a page	break.	\nopagebreak [L]
penalty at the current page	break.	\outputpenalty [*]
encourage a page	break.	\pagebreak [L]
specify penalty for a line or page	break.	\penalty [*]
small vertical space and a good page	break.	\smallbreak
\filbreak below.	break a page unless there is a better	\filbreak
permit a line	break after a slash.	\slash
penalty for line	break after binary operation.	\binoppenalty [*]
penalty for line	break after discretionary hyphen.	\hyphenpenalty [*]
penalty for line	break after explicit hyphen.	\exhyphenpenalty [*]
penalty if page	break after first line of paragraph.	\clubpenalty [*]
penalty if page	break after hyphenated line.	\brokenpenalty [*]
penalty for line	break after math relation.	\relpenalty [*]
additional penalty for page	break between lines.	\interlinepenalty [*]
force a line	break in a paragraph.	\\ [L]
force a line	break in a paragraph.	\newline [L]
penalty for page	break just after a display.	\postdisplaypenalty [*]
penalty for page	break just before a display.	\predisplaypenalty [*]
inhibit a page	break over a region.	\samepage [L]
large	breakable horizontal skip.	\qquad
	breakable medium horizontal skip.	\quad
	breakable small horizontal skip.	\enskip
display. penalty for	breaking between lines of a	\interdisplaylinepenalty
a footnote. penalty for	breaking between lines of	\interfootnotelinepenalty
require strict line and page	breaks.	\fussy [L]
accept looser line and page	breaks.	\sloppy [L]
verbatim line	breaks in input text.	\obeylines
	breve accent (x̆).	\u

math accent:	breve ($\breve{x}$).	\breve
	British pound symbol ($\pounds$).	\pounds [L]
demerits for a penultimate	broken line.	\finalhyphendemerits*
demerits for consecutive	broken lines.	\doublehyphendemerits*
math operator:	bullet ($\bullet$).	\bullet
show page-break	calculations.	\tracingpages*
show line-break	calculations.	\tracingparagraphs*
math mode	calligraphic letters font.	\cal
upper bound on output routine	calls.	\maxdeadcycles*
number of output routine	calls since last \shipout.	\deadcycles*
amount by which delimiters	can fail to span included material.	\delimitershortfall*
environment.	cancel effect of one \+ command in tabbing	\< [L]
	cancel infinitely stretchable horizontal space.	\hfilneg*
	cancel infinitely stretchable vertical space.	\vfilneg*
math operator: large	cap ($\bigcap$).	\bigcap
math operator: intersection or	cap ($\cap$).	\cap
math operator: square	cap ($\sqcap$).	\sqcap
symbol	capital Å.	\AA
ligature digraph symbol	capital AE (Æ).	\AE
math Greek letter:	capital delta (Δ).	\Delta
math Greek letter:	capital gamma (Γ).	\Gamma
math Greek letter:	capital lambda (Λ).	\Lambda
positive if hyphenating words beginning with	capital letters.	\uchyph*
Norwegian letter:	capital o with slash (Ø).	\O
ligature digraph symbol	capital OE (Œ).	\OE
math Greek letter:	capital omega (Ω).	\Omega
math Greek letter:	capital phi (Φ).	\Phi
math Greek letter:	capital pi (Π).	\Pi
math Greek letter:	capital psi (Ψ).	\Psi
math Greek letter:	capital sigma (Σ).	\Sigma
math Greek letter:	capital theta (Θ).	\Theta
math Greek letter:	capital upsilon (Υ).	\Upsilon
math Greek letter:	capital xi (Ξ).	\Xi
select small	caps font.	\sc [L]
produce a numbered	caption.	\caption [L]
place a footnote in a	caption or other vertical list.	\vfootnote
defines a	carriage return as \\.	\obeycr [L]
restores a	carriage return to its usual meaning.	\restorecr [L]
separate	cases in an \ifcase.	\or*
	category code for active characters.	\active
test	category codes.	\ifcat*
set a character's processing	category type.	\catcode*
set a math character's processing	category type.	\mathcode*
	cedilla accent (ç).	\c
math delimiter: left	ceiling bracket ($\lceil$).	\lceil
math delimiter: right	ceiling bracket ($\rceil$).	\rceil
declaration to	center lines.	\centering [L]
	center text in a line.	\centerline
math operator:	centered dot ($\cdot$).	\cdot
mode.	centered dot with special spacing in math	\cdotp
three	centered dots in math mode ($\cdots$).	\cdots
create a	centered vbox in a math list.	\vcenter*
internal Plain TEX space used for	centering.	\centering

	begin	centering environment.	\center[L]
	end	centering environment.	\endcenter[L]
	hanging indentation	changes after specified number of lines.	\hangafter[*]
	start a	chapter.	\chapter[L]
	math symbol: maps to	char ($\mapstochar$).	\mapstochar
	put an accent over the next	character.	\accent[*]
	word delimiter	character.	\boundarychar[3]
	define a name for a	character.	\chardef[*]
	test the next	character.	\@ifnextchar[L]
	lower-case code for a	character.	\lccode[*]
	define a name for a math	character.	\mathchardef[*]
	suppress expansion of a	character.	\noexpand[*]
	space	character.	␣[*]
	upper-case code for a	character.	\uccode[*]
	define a	character as a delimiter.	\delcode[*]
	specify a	character by its numeric code.	\char[*]
	specify a math	character code.	\mathchar[*]
characters.	change the	character code for a set of special	\dospecials
	compare two	character codes.	\if[*]
	hyphenation	character for this font.	\hyphenchar[*]
tokens.	escape	character in the output of control sequence	\escapechar[*]
input line.		character placed at the right end of an	\endlinechar[*]
a write statement.		character that starts a new output line in	\newlinechar[*]
	default horizontal kern	character to position accents.	\defaultskewchar[*]
	expand a control sequence into	character tokens.	\string[*]
	category code for active	characters.	\active
	change the character code for a set of special	characters.	\dospecials
	a font with no	characters.	\nullfont[*]
the end of a word.	minimum number of	characters after hyphenation at	\righthyphenposition[3]
the start of a word.	minimum number of	characters before hyphenation at	\lefthyphenposition[3]
	show	characters not in the font.	\tracinglostchars[*]
	set a	character's processing category type.	\catcode[*]
	set a math	character's processing category type.	\mathcode[*]
	set a	character's space factor.	\sfcode[*]
	set a	character's spacing factor.	\spacefactor[*]
		check accent (x̌).	\v
	math accent:	check ($\check{x}$).	\check
	math Greek letter:	chi (χ).	\chi
	math operator: large	circle ($\bigcirc$).	\bigcirc
	math operator:	circle ($\circ$).	\circ
	math operator:	circle dot ($\odot$).	\odot
	10 point	circle font.	\tencirc[L]
	10 point wide	circle font.	\tencircw[L]
		circle in a picture environment.	\circle[L]
	math operator:	circle minus ($\ominus$).	\ominus
	math operator: direct sum,	circle plus ($\oplus$).	\oplus
	math operator:	circle slash ($\oslash$).	\oslash
	math operator: tensor product,	circle times ($\otimes$).	\otimes
	math operator: large	circle with dot ($\bigodot$).	\bigodot
	math operator: large	circle with plus ($\bigoplus$).	\bigoplus
	math operator: large	circle with times ($\bigotimes$).	\bigotimes
	thick lines for lines and	circles.	\thicklines[L]
	thin lines for lines and	circles.	\thinlines[L]

	circumflex accent (ô).	\^
reference a BibTeX item without	citation.	\nocite^{L}
generate an in-text	citation of a reference.	\cite^{L}
insertion	class for footnote inserts.	\footins
insertion	class for inserts at the top of a page.	\topins
end of an \if	clause.	\fi*
select math spacing of a	closing delimiter for the next item.	\mathclose*
math symbol:	club suit (♣).	\clubsuit
specify a character by its numeric	code.	\char*
specify a math character	code.	\mathchar*
lower-case	code for a character.	\lccode*
upper-case	code for a character.	\uccode*
change the character	code for a set of special characters.	\dospecials
category	code for active characters.	\active
compare two character	codes.	\if*
test category	codes.	\ifcat*
	colon in a math formula.	\colon
width of a	column.	\columnwidth^{L}
permit an alignment entry to stick out of its	column.	\hidewidth
fraction of	column for bottom floats.	\bottomfraction^{L}
fraction of	column for top floats.	\topfraction^{L}
add extra space before a	column in array or tabular environment.	\extracolsep^{L}
put text flush right in a	column in tabbing environment.	\'^{L}
create a box with a single	column of items.	\shortstack^{L}
	column separation in array environment.	\arraycolsep^{L}
space between columns in double	column text.	\columnsep^{L}
size of	column that must contain text.	\textfraction^{L}
generate a matrix labeled on rows and	columns.	\bordermatrix
width of rule separating double	columns.	\columnseprule^{L}
align zero or more	columns.	\valign*
half the width separating	columns in a tabular environment.	\tabcolsep^{L}
span several	columns in an alignment.	\multispan
space between	columns in double column text.	\columnsep^{L}
increment the value of a length	command.	\addtolength^{L}
insert a token after the next assignment	command.	\afterassignment*
define a new	command.	\newcommand^{L}
define a new length	command.	\newlength^{L}
includes the section number in a \contentsline	command.	\numberline^{L}
redefine a	command.	\renewcommand^{L}
set a length	command.	\setlength^{L}
define a new \if	command.	\newif
associate a counter with an item-type	command.	\usecounter^{L}
distance left by \'	command between tabbing fields.	\tabbingsep^{L}
execute a	command from the terminal.	\typein^{L}
cancel effect of one \+	command in tabbing environment.	\<^{L}
begin expanding tokens to construct a	command name.	\csname*
internal Plain TeX	command to piece together long arrows.	\joinrel
set a length	command to width of text.	\settowidth^{L}
enable only specific \include	commands.	\includeonly^{L}
set @ alphabetic to access internal	commands.	\makeatletter^{L}
set @ non-alphabetic to hide internal	commands.	\makeatother^{L}
turn on all debugging	commands.	\tracingall
protect fragile	commands and moving arguments.	\protect^{L}

show	commands before they are executed.	\tracingcommands [*]
begin	comment.	%
	compare tokens.	\ifx [*]
	compare two character codes.	\if [*]
insert a token after the current group is	completed.	\aftergroup [*]
math relation:	congruent (≅).	\cong
demerits for	consecutive broken lines.	\doublehyphendemerits [*]
math symbol: Planck's	constant or h-bar ($\hbar$).	\hbar
begin expanding tokens to	construct a command name.	\csname [*]
	constructs a box with the page foot.	\makefootline
	constructs a box with the page header.	\makeheadline
size of column that must	contain text.	\textfraction [L]
box	containing a strut.	\strutbox
box	containing current tabs.	\tabs
math relation:	contains (∋).	\ni
generate a table of	contents.	\tableofcontents [L]
add text to table	contents, figures, or tables.	\addtocontents [L]
put page	contents in a box of the proper height.	\pagebody
space between a box and its	contents in **\fbox** and **\framebox**.	\fboxsep [L]
display the	contents of a register.	\showthe [*]
includes the section number in a	**\contentsline** command.	\numberline [L]
message. number of lines of	context to be displayed in an error	\errorcontextlines [3]
the second token to a control sequence and	continues. assigns	\futurelet [*]
math operator:	contour integral (∮).	\oint
define a synonym for the current meaning of a	control sequence.	\let [*]
an undefined	control sequence.	\undefined
assigns the second token to a	control sequence and continues.	\futurelet [*]
expand a	control sequence into character tokens.	\string [*]
escape character in the output of	control sequence tokens.	\escapechar [*]
redefinable scratch	control sequence used by **\dospecials**.	\do
scratch	control sequence used in preloading fonts.	\preloaded
	control space.	\␣ [*]
	convert a number to a token string.	\number [*]
numerals.	convert a number to lower-case Roman	\romannumeral [*]
	convert a numeric register to displayable form.	\the [*]
place several	copies of a picture object.	\multiput [L]
math operator: amalgamated sum,	co-product (∐).	\amalg
math operator: large	co-product (∐).	\coprod
use a	copy of a box.	\copy [*]
un-box a	copy of a vbox and add it to the vertical list.	\unvcopy [*]
list. un-box a	copy of an hbox and add it to the horizontal	\unhcopy [*]
	copyright symbol (©).	\copyright
italic	correction.	\/ [*]
math function:	cosecant.	\csc
math function: arc	cosine.	\arccos
math function:	cosine.	\cos
math function: hyperbolic	cosine.	\cosh
math function:	cotangent.	\cot
math function: hyperbolic	cotangent.	\coth
use a	count register.	\count [*]
define a name for a	count register.	\countdef [*]
allocate a new	count register.	\newcount
increment a	counter.	\addtocounter [L]

increment and reference a	counter.	\refstepcounter^{L}
set value of a	counter.	\setcounter^{L}
increment a	counter.	\stepcounter^{L}
current value of the third-level item	counter.	\theenumiii^{L}
current value of the second-level item	counter.	\theenumii^{L}
current value of the first-level item	counter.	\theenumi^{L}
current value of the fourth-level item	counter.	\theenumiv^{L}
current value of the sixth-level item	counter.	\theenumvi^{L}
current value of the fifth-level item	counter.	\theenumv^{L}
current value of the figure	counter.	\thefigure^{L}
produce the value of a	counter.	\value^{L}
display	counter as Arabic numerals.	\arabic^{L}
display	counter as footnote symbol.	\fnsymbol^{L}
display	counter as lower-case letter.	\alph^{L}
display	counter as lower-case Roman numerals.	\roman^{L}
display	counter as upper-case letter.	\Alph^{L}
display	counter as upper-case Roman numerals.	\Roman^{L}
define a new	counter variable.	\newcounter^{L}
associate a	counter with an item-type command.	\usecounter^{L}
equivalent to	\cr, end of aligned text.	\endline
ensure a	\cr in \halign.	\crcr*
tokens to insert after every	\cr or nonredundant \crcr.	\everycr*
tokens to insert after every \cr or nonredundant	\crcr.	\everycr*
	create a bibliography entry.	\bibitem^{L}
	create a box.	\mbox^{L}
	create a box in dashes, with positioning.	\dashbox^{L}
	create a box of current line width.	\line
	create a box with a single column of items.	\shortstack^{L}
	create a box with an underline.	\underbar
	create a box with horizontal mode material.	\hbox*
	create a box, with positioning.	\makebox^{L}
	create a box with vertical mode material.	\vbox*
the baseline at the top.	create a box with vertical mode material with	\vtop*
	create a centered vbox in a math list.	\vcenter*
	create a footnote.	\footnote
	create a formula with zero height.	\smash
	create a multicolumn entry in an aligned table.	\span*
	create a rule or line.	\rule^{L}
	create a small sample page.	\minipage^{L}
formula.	create a zero-height hbox with the width of a	\hphantom
	create a zero-width box with text to the left.	\llap
	create a zero-width box with text to the right.	\rlap
depth of a formula.	create a zero-width vbox the height and	\vphantom
	create an aligned table.	\halign*
	create an index entry.	\index^{L}
	create an underlined box with text in it.	\underline^{L}
	create and frame a box.	\fbox^{L}
	create and frame a box, with positioning.	\framebox^{L}
	create and name a box.	\sbox^{L}
	create and name a box, with positioning.	\savebox^{L}
punctuation.	create end-of-sentence space after following	\@^{L}
	create item label for a list environment.	\makelabel^{L}
	create some horizontal space.	\hglue

	create some vertical space.	\vglue
penalty for	creating a widow line at top of page.	\widowpenalty*
display. penalty for	creating a widow line before a	\displaywidowpenalty*
enable index	creation.	\makeindex[L]
begin and	cross reference an equation.	\equation[L]
define a	cross reference label.	\label[L]
page number of a	cross reference label.	\pageref[L]
refer to a	cross reference label.	\ref[L]
terminate a	\csname token list.	\endcsname*
math operator: large	cup ($\bigcup$).	\bigcup
math operator: large square	cup ($\bigsqcup$).	\bigsqcup
math operator: union or	cup ($\cup$).	\cup
math operator: square	cup ($\sqcup$).	\sqcup
math delimiter: left	curly brace ($\{$).	\lbrace
math delimiter: right	curly brace ($\}$).	\rbrace
	current day of the month.	\day*
number of the	current displayed equation.	\theequation[L]
	current family number.	\fam*
insert a token after the	current group is completed.	\aftergroup*
line. stop reading	current input file at the end of the current	\endinput*
	current language used for hyphenation.	\language[3]
produces	current left page heading.	\leftmark[L]
stop reading current input file at the end of the	current line.	\endinput*
width of the	current line.	\linewidth[L]
discard	current line in tabbing environment.	\kill[L]
create a box of	current line width.	\line
append a discretionary item to the	current list.	\discretionary*
fetch last box off the	current list.	\lastbox*
fetch last kern off the	current list.	\lastkern*
fetch last penalty off the	current list.	\lastpenalty*
fetch last skip off the	current list.	\lastskip*
place balanced text into a mark item on the	current list.	\mark*
remove a kern just added to the	current list.	\unkern*
remove a penalty just added to the	current list.	\unpenalty*
remove a skip just added to the	current list.	\unskip*
show the	current lists.	\showlists*
define a synonym for the	current meaning of a control sequence.	\let*
	current month of the year.	\month*
depth of the	current page.	\pagedepth*
amount of filll space in	current page.	\pagefilllstretch*
amount of fill space in	current page.	\pagefillstretch*
amount of fil space in	current page.	\pagefilstretch*
amount of glue shrinkage in	current page.	\pageshrink*
amount of glue stretch in	current page.	\pagestretch*
penalty at the	current page break.	\outputpenalty*
	current page number.	\pageno
	current page number.	\thepage[L]
set	current page style.	\thispagestyle[L]
value of \botmark just before	current page was boxed.	\topmark*
insert at	current position in page.	\midinsert
produces	current right page heading.	\rightmark[L]
choose a math formula based on the	current style.	\mathchoice*
save	current tab stops in tabbing environment.	\pushtabs[L]

	box containing	current tabs.	\tabs
	name of	current TeX format package.	\fmtname
	version of	current TeX format package.	\fmtversion
		current time of day.	\time[*]
		current value of the fifth-level item counter.	\theenumv[L]
		current value of the figure counter.	\thefigure[L]
		current value of the first-level item counter.	\theenumi[L]
counter.		current value of the fourth-level item	\theenumiv[L]
counter.		current value of the second-level item	\theenumii[L]
		current value of the sixth-level item counter.	\theenumvi[L]
counter.		current value of the third-level item	\theenumiii[L]
		current year of our Lord.	\year[*]
	math operator:	dagger (†).	\dagger
	math operator: double	dagger (‡).	\ddagger
		dagger symbol (†).	\dag
	double	dagger symbol (‡).	\ddag
	math relation:	dash V (⊣).	\dashv
	math relation:	dash (⊢).	\vdash
	create a box in	dashes, with positioning.	\dashbox[L]
	display today's	date.	\today[L]
		date on title page.	\date[L]
	current time of	day.	\time[*]
	turn on all	debugging commands.	\tracingall
		declaration to center lines.	\centering[L]
		declare document style and options.	\documentstyle[L]
		declare the title.	\title[L]
position accents.		default horizontal kern character to	\defaultskewchar[*]
loaded.		default hyphen when a font is	\defaulthyphenchar[*]
operators.	restore	default limit placement on large math	\displaylimits[*]
		default Plain output routine.	\plainoutput
		define a binary math operator.	\mathbin[*]
		define a character as a delimiter.	\delcode[*]
		define a cross reference label.	\label[L]
		define a delimiter for math mode.	\delimiter[*]
replacement text.		define a global macro with expanded	\xdef[*]
		define a large math operator.	\mathop[*]
		define a macro.	\def[*]
		define a macro globally.	\gdef[*]
text.		define a macro with expanded replacement	\edef[*]
		define a math punctuation operator.	\mathpunct[*]
		define a math relation operator.	\mathrel[*]
		define a name for a character.	\chardef[*]
		define a name for a count register.	\countdef[*]
		define a name for a dimension register.	\dimendef[*]
		define a name for a math character.	\mathchardef[*]
		define a name for a math skip register.	\muskipdef[*]
		define a name for a skip register.	\skipdef[*]
		define a name for a token list register.	\toksdef[*]
		define a new box register.	\newsavebox[L]
		define a new command.	\newcommand[L]
		define a new counter variable.	\newcounter[L]
		define a new environment.	\newenvironment[L]
		define a new font family.	\newfam

	define a new help message.	\newhelp
	define a new \if command.	\newif
hyphenation.	define a new language to be used for …	\newlanguage[3]
	define a new length command.	\newlength[L]
	define a new theorem environment.	\newtheorem[L]
	define a set of hyphenation patterns.	\patterns[*]
text and script sizes.	define a symbol that will work properly in	\mathpalette
control sequence.	define a synonym for the current meaning of a	\let[*]
	define a tab stop in tabbing environment.	\=[L]
	define an inner math subformula.	\mathinner[*]
	define an ordinary math operator.	\mathord[*]
	define an unusual paragraph shape.	\parshape[*]
	define font magnification.	\magstep
	define horizontal tabs.	\settabs
	define kerning around math in text.	\mathsurround[*]
internal Plain TEX operation to	define math text symbols.	\mathhexbox
	define paragraph indentation.	\parindent[*]
	define space between paragraphs.	\parskip[*]
	define the page output routine.	\output[*]
footnotes.	define the rule separating a page and	\footnoterule
page is formatted.	define where text will be inserted when the	\insert[*]
select smallest	defined font.	\tiny[L]
	defines a carriage return as \\.	\obeycr[L]
give a token list	defining the semantics of a token.	\meaning[*]
end a \settabs	definition.	\columns
the following macro	definition or register setting is global.	\global[*]
math function:	degree of a polynomial (deg).	\deg
2.5-line left math	delimiter.	\Biggl
2-line left math	delimiter.	\biggl
2.5-line middle math	delimiter.	\Biggm
2-line middle math	delimiter.	\biggm
2.5-line right math	delimiter.	\Biggr
2-line right math	delimiter.	\biggr
1.5-line left math	delimiter.	\Bigl
1-line left math	delimiter.	\bigl
1.5-line middle math	delimiter.	\Bigm
1-line middle math	delimiter.	\bigm
1.5-line right math	delimiter.	\Bigr
1-line right math	delimiter.	\bigr
generate a matrix with a left brace	delimiter.	\cases
define a character as a	delimiter.	\delcode[*]
begin a new math list with a left	delimiter.	\left[*]
width of a null	delimiter.	\nulldelimiterspace[*]
end a math list with a right	delimiter.	\right[*]
math	delimiter: backslash (\).	\backslash
word	delimiter character.	\boundarychar[3]
math	delimiter: double vertical bar (‖).	\Vert
define a	delimiter for math mode.	\delimiter[*]
select math spacing of a closing	delimiter for the next item.	\mathclose[*]
select math spacing of an opening	delimiter for the next item.	\mathopen[*]
math	delimiter: left angle bracket (⟨).	\langle
math	delimiter: left bracket ([).	\lbrack
math	delimiter: left ceiling bracket (⌈).	\lceil

math	delimiter: left curly brace ($\{$).	\lbrace
math	delimiter: left floor bracket ($\lfloor$).	\lfloor
math	delimiter: left group ($\lgroup$).	\lgroup
math	delimiter: right angle bracket ($\rangle$).	\rangle
math	delimiter: right bracket ($]$).	\rbrack
math	delimiter: right ceiling bracket ($\rceil$).	\rceil
math	delimiter: right curly brace ($\}$).	\rbrace
math	delimiter: right floor ($\rfloor$).	\rfloor
math	delimiter: right group ($\rgroup$).	\rgroup
1.5-line math	delimiter size.	\Big
1-line math	delimiter size.	\big
2.5-line math	delimiter size.	\Bigg
2-line math	delimiter size.	\bigg
math	delimiter: up-and-down arrow ($\updownarrow$).	\updownarrow
math	delimiter: upward arrow ($\uparrow$).	\uparrow
math	delimiter: vertical bar ($\vert$).	\vert
fraction with specified rule and	delimiters.	\abovewithdelims*
fraction without rule with given	delimiters.	\atopwithdelims*
generate a matrix without	delimiters.	\matrix
fraction with rule and given	delimiters.	\overwithdelims*
generate a matrix with parentheses	delimiters.	\pmatrix
included material. amount by which	delimiters can fail to span	\delimitershortfall*
ratio for variable	delimiters times 1000.	\delimiterfactor*
math Greek letter:	delta (δ).	\delta
math Greek letter: capital	delta (Δ).	\Delta
broken line.	demerits for a penultimate	\finalhyphendemerits*
	demerits for adjacent incompatible lines.	\adjdemerits*
lines.	demerits for consecutive broken	\doublehyphendemerits*
mark	denoting fifth-level items.	\labelitemv [L]
mark	denoting first-level items.	\labelitemi [L]
mark	denoting fourth-level items.	\labelitemiv [L]
mark	denoting second-level items.	\labelitemii [L]
mark	denoting sixth-level items.	\labelitemvi [L]
mark	denoting third-level items.	\labelitemiii [L]
maximum boxed items shown at a given	depth.	\showboxbreadth*
	depth of a box.	\dp*
create a zero-width vbox the height and	depth of a formula.	\vphantom
maximum	depth of boxes in a split box.	\splitmaxdepth*
maximum	depth of boxes on explicit pages.	\boxmaxdepth*
maximum	depth of boxes on main pages.	\maxdepth*
math strut with height and	depth of parentheses.	\mathstrut
	depth of the current page.	\pagedepth*
	depth of the last box on the vertical list.	\prevdepth*
maximum box	depth shown.	\showboxdepth*
select old-style numerals with	descenders.	\oldstyle
	desired page height.	\pagegoal*
math function:	det.	\det
select one of several entries	determined by an integer.	\ifcase*
	diæresis or umlaut accent ($\ddot{x}$).	\"
show	diagnostics on the terminal.	\tracingonline*
three	diagonal dots in math mode ($\ddots$).	\ddots
math operator:	diamond ($\diamond$).	\diamond

math symbol:	diamond ($\Diamond$).	\Diamond [L]
math symbol: left half	diamond ($\lhd$).	\lhd [L]
math symbol: right half	diamond ($\rhd$).	\rhd [L]
math symbol:	diamond suit ($\diamondsuit$).	\diamondsuit
math symbol: underlined left half	diamond ($\unlhd$).	\unlhd [L]
math symbol: underlined right half	diamond ($\unrhd$).	\unrhd [L]
insert words into hyphenation	dictionary.	\hyphenation [*]
ligature	digraph symbol ae (æ).	\ae
ligature	digraph symbol capital AE (Æ).	\AE
ligature	digraph symbol capital OE (Œ).	\OE
ligature	digraph symbol oe (œ).	\oe
math function:	dim.	\dim
largest permissible	dimension.	\maxdimen
use a	dimension register.	\dimen [*]
define a name for a	dimension register.	\dimendef [*]
allocate a new	dimension register.	\newdimen
test two	dimensions.	\ifdim [*]
math operator:	direct sum, circle plus ($\oplus$).	\oplus
read a file unless	disabled by \includeonly.	\include [L]
	discard current line in tabbing environment.	\kill [L]
	discretionary hyphen.	\- [*]
penalty for line break after	discretionary hyphen.	\hyphenpenalty [*]
append a	discretionary item to the current list.	\discretionary [*]
math operator:	discretionary multiply sign.	*
penalty for creating a widow line before a	display.	\displaywidowpenalty [*]
penalty for breaking between lines of a	display.	\interdisplaylinepenalty
penalty for page break just after a	display.	\postdisplaypenalty [*]
penalty for page break just before a	display.	\predisplaypenalty [*]
length of text preceding a	display.	\predisplaysize [*]
alignment.	display a stack of formulas without ...	\displaylines
	display a sub-item.	\itemitem
	display a symbol from a font.	\symbol [L]
	display an item.	\item
indentation.	display an item without hanging ...	\textindent
	display counter as Arabic numerals.	\arabic [L]
	display counter as footnote symbol.	\fnsymbol [L]
	display counter as lower-case letter.	\alph [L]
	display counter as lower-case Roman numerals.	\roman [L]
	display counter as upper-case letter.	\Alph [L]
numerals.	display counter as upper-case Roman ...	\Roman [L]
indentation of	display equations.	\mathindent [L]
help message to	display if user asks for help.	\errhelp [*]
tokens to insert when	display math begins.	\everydisplay [*]
enter	display math mode.	$$ [*]
begin	display math mode.	\[[L]
end	display math mode.	\] [L]
set a formula flush left in	display style.	\lefteqn [L]
	display the contents of a register.	\showthe [*]
	display today's date.	\today [L]
convert a numeric register to	displayable form.	\the [*]
indentation of line for	displayed equation.	\displayindent [*]
width of a	displayed equation.	\displaywidth [*]
number of the current	displayed equation.	\theequation [L]

suppress numbering of	displayed equations.	\nonumber[L]
number of lines of context to be	displayed in an error message. ..	\errorcontextlines[3]
process input without	displaying errors.	\batchmode[*]
extra space above	displays.	\abovedisplayskip[*]
extra space just below	displays.	\belowdisplayskip[*]
unit of measure for opening up	displays.	\jot
extra space above	displays following short lines.	\abovedisplayshortskip[*]
extra space just below	displays following short lines.	\belowdisplayshortskip[*]
footnote separation	distance.	\footnotesep[L]
kern a given	distance.	\kern[*]
lower a box a given	distance.	\lower[*]
raise a box a given	distance.	\raise[*]
raise a box a	distance.	\raisebox[L]
	distance between marginal note and text.	\marginparsep[L]
unit of	distance in picture environment.	\unitlength[L]
tabbing fields.	distance left by \' command between ...	\tabbingsep[L]
fill a space with an evenly	distributed box or rule.	\xleaders[*]
math operator:	div.	\div
	divide a register by a value.	\divide[*]
start a major	division of a long document.	\part[L]
set the magnification for the	document.	\magnification
start a major division of a long	document.	\part[L]
declare	document style and options.	\documentstyle[L]
	dollar sign.	\$
redefinable scratch control sequence used by	\dospecials.	\do
	dot accent (ẋ).	\.
math operator: large circle with	dot ($\bigodot$).	\bigodot
math operator: centered	dot ($\cdot$).	\cdot
math accent: double	dot ($\ddot{x}$).	\ddot
math accent:	dot ($\dot{x}$).	\dot
lower	dot math symbol with special spacing.	\ldotp
math operator: circle	dot ($\odot$).	\odot
	dot under accent (ẋ).	\d
centered	dot with special spacing in math mode.	\cdotp
math symbol:	dotless i ($\imath$).	\imath
	dotless i letter (ı).	\i
math symbol:	dotless j ($\jmath$).	\jmath
	dotless j letter (ȷ).	\j
fill a space with	dots.	\dotfill
three centered	dots in math mode ($\cdots$).	\cdots
three low	dots in math mode ($\ldots$).	\ldots
three diagonal	dots in math mode ($\ddots$).	\ddots
math symbol: vertical	dots ($\vdots$).	\vdots
math relation:	dotted equal ($\doteq$).	\doteq
math symbol: downward	double arrow ($\Downarrow$).	\Downarrow
math symbol: left	double arrow ($\Leftarrow$).	\Leftarrow
math symbol: left-right	double arrow ($\Leftrightarrow$).	\Leftrightarrow
math symbol: long left	double arrow ($\Longleftarrow$).	\Longleftarrow
math symbol: long left-right	double arrow ($\Longleftrightarrow$).	\Longleftrightarrow
math symbol: long right	double arrow ($\Longrightarrow$).	\Longrightarrow
math symbol: right	double arrow ($\Rightarrow$).	\Rightarrow
math symbol: upward	double arrow ($\Uparrow$).	\Uparrow
math symbol: up-and-down	double arrow ($\Updownarrow$).	\Updownarrow

	space between columns in	double column text.	\columnsep[L]
	width of rule separating	double columns.	\columnseprule[L]
	math operator:	double dagger (‡).	\ddagger
		double dagger symbol (‡).	\ddag
	math accent:	double dot ($\ddot{x}$).	\ddot
	math symbol:	double relation bar ($=$).	\Relbar
tabular environment.		double rule separation in array or ...	\doublerulesep[L]
	math symbol:	double vertical bar ($\Big\Vert$).	\Arrowvert
	math delimiter:	double vertical bar ($\Vert$).	\Vert
	space between	double-column floats.	\dblfloatsep[L]
	rule between	double-column floats and text.	\dblfigrule[L]
	space between	double-column floats and text.	\dbltextfloatsep[L]
	start a new page in	double-column format.	\twocolumn[L]
	size of float on	double-column page.	\dblfloatpagefraction[L]
	math symbol:	down arrow ($\downarrow$).	\downarrow
	math symbol: left harpoon	down ($\leftharpoondown$).	\leftharpoondown
	math symbol: right harpoon	down ($\rightharpoondown$).	\rightharpoondown
	math operator: large	down triangle ($\bigtriangledown$).	\bigtriangledown
	fill a space with a	downward brace.	\downbracefill
	math symbol:	downward double arrow ($\Downarrow$).	\Downarrow
		draw a line over a formula.	\overline[*]
		draw a line under a formula.	\underline[*]
text.	macro to	draw the rule separating footnotes from	\footnoterule[L]
environment.	cancel	effect of one \+ command in tabbing ...	\<[L]
	flush insertions and	eject to a new page.	\dosupereject
	flush all insertions and	eject to a new page.	\supereject
	an	ellipsis, equivalent to \ldots in math mode.	\dots
		emphasis font.	\em[L]
	test for an	empty box.	\ifvoid[*]
	an	empty hbox.	\null
	an	empty list of tokens.	\empty
	math symbol:	empty set ($\emptyset$).	\emptyset
		en entry in a file of index terms.	\indexentry[L]
		enable BIBTeX bibliography interface.	\bibliography[L]
		enable glossary processing.	\makeglossary[L]
		enable index creation.	\makeindex[L]
		enable only specific \include commands.	\includeonly[L]
punctuation.		enable special spacing after ...	\nonfrenchspacing
	mark text last	encountered in a split box.	\splitbotmark[*]
	mark text first	encountered in a split box.	\splitfirstmark[*]
	mark text last	encountered on page just boxed.	\botmark[*]
	mark text first	encountered on page just boxed.	\firstmark[*]
		encourage a line break.	\linebreak[L]
		encourage a page break.	\pagebreak[L]
	show unassignments when groups	end.	\tracingrestores[*]
punctuation.	create	end-of-sentence space after following ...	\@[L]
		ensure a \cr in \halign.	\crcr[*]
		ensure footnote line separation.	\footstrut
		enter display math mode.	$$[*]
		enter math mode.	$[*]
	space between aligned tab	entries.	\tabskip[*]
	select one of several	entries determined by an integer.	\ifcase[*]

amount of extra space between	entries in an index.	\indexspace [L]
create a bibliography	entry.	\bibitem [L]
write a glossary	entry.	\glossary [L]
create an index	entry.	\index [L]
the template in the alignment preamble for this	entry. suppress	\omit [*]
en	entry in a file of index terms.	\indexentry [L]
start an	entry in a list environment.	\item [L]
create a multicolumn	entry in an aligned table.	\span [*]
multicolumn	entry in array or tabular environment.	\multicolumn [L]
permit an alignment	entry to stick out of its column.	\hidewidth
adds an	entry to the specified list or table.	\addcontentsline [L]
produce TeX accents in tabbing	environment.	\a [L]
column separation in array	environment.	\arraycolsep [L]
begin array	environment.	\array [L]
space between rows of array or tabular	environment.	\arraystretch [L]
beginning of an	environment.	\begin [L]
begin centering	environment.	\center [L]
circle in a picture	environment.	\circle [L]
multicolumn line in array or tabular	environment.	\cline [L]
double rule separation in array or tabular	environment.	\doublerulesep [L]
end array	environment.	\endarray [L]
end centering	environment.	\endcenter [L]
end flush left	environment.	\endflushleft [L]
end flush right	environment.	\endflushright [L]
end of an	environment.	\end [L]
end picture	environment.	\endpicture [L]
end bibliography	environment.	\endthebibliography [L]
extra space before a column in array or tabular	environment. add	\extracolsep [L]
begin flush left	environment.	\flushleft [L]
begin flush right	environment.	\flushright [L]
indent before the label in a list	environment.	\itemindent [L]
start an entry in a list	environment.	\item [L]
space between successive items in a list	environment.	\itemsep [L]
discard current line in tabbing	environment.	\kill [L]
cancel effect of one \+ command in tabbing	environment.	\< [L]
define a tab stop in tabbing	environment.	\= [L]
move to next tab position in tabbing	environment.	\> [L]
put text flush right in a column in tabbing	environment.	\' [L]
unindents left margin one tab stop in tabbing	environment.	\- [L]
label width in a list	environment.	\labelwidth [L]
left margin of a list	environment.	\leftmargin [L]
line in a picture	environment.	\line [L]
set width of lines in picture	environment.	\linethickness [L]
indent second and subsequent paragraphs in a list	environment.	\listparindent [L]
create item label for a list	environment.	\makelabel [L]
multicolumn entry in array or tabular	environment.	\multicolumn [L]
define a new	environment.	\newenvironment [L]
define a new theorem	environment.	\newtheorem [L]
oval in a picture	environment.	\oval [L]
space between paragraphs within an item in a list	environment.	\parsep [L]
begin picture	environment.	\picture [L]
restore tabs stops in tabbing	environment.	\poptabs [L]
save current tab stops in tabbing	environment.	\pushtabs [L]

redefine an	environment.	\renewenvironment[L]
begin a tabbed line in an outer	environment.	\+
indents left margin one tab stop in tabbing	environment.	\+[L]
begin theorem with special format in math	environment.	\proclaim
begin a tabbed line in an inner	environment.	\tabalign
half the width separating columns in a tabular	environment.	\tabcolsep[L]
unit of distance in picture	environment.	\unitlength[L]
vector in a picture	environment.	\vector[L]
extra vertical space when	environment starts a paragraph.	\partopsep[L]
horizontal line in array and tabular	environments.	\hline[L]
vertical line in array and tabular	environments.	\vline[L]
math Greek letter:	epsilon (ϵ).	\epsilon
math Greek letter: variant	epsilon (ε).	\varepsilon
math relation: approximately	equal ($\approx$).	\approx
math relation: dotted	equal ($\doteq$).	\doteq
math relation: greater or	equal ($\geq$).	\ge
math relation: greater or	equal ($\geq$).	\geq
math relation: less or	equal ($\leq$).	\le
math relation: less or	equal ($\leq$).	\leq
math relation: not	equal ($\neq$).	\ne
math relation: not	equal ($\neq$).	\neq
math relation: not	equal ($\neq$).	\not=
math relation: precedes or	equal ($\preceq$).	\preceq
math relation: similar or	equal ($\simeq$).	\simeq
math relation: square subset or	equal ($\sqsubseteq$).	\sqsubseteq
math relation: square superset or	equal ($\sqsupseteq$).	\sqsupseteq
math relation: subset or	equal ($\subseteq$).	\subseteq
math relation: successor or	equal ($\succeq$).	\succeq
math relation: superset or	equal ($\supseteq$).	\supseteq
indentation of line for displayed	equation.	\displayindent[*]
width of a displayed	equation.	\displaywidth[*]
end an	equation.	\endequation[L]
begin and cross reference an	equation.	\equation[L]
number of the current displayed	equation.	\theequation[L]
stack one	equation above another.	\stackrel[L]
	equation number.	\eqno[*]
left	equation number.	\leqno[*]
align a stack of equations with	equation numbers.	\eqalignno
align a stack of equations with left	equation numbers.	\leqalignno
align a stack of	equations.	\eqalign
indentation of display	equations.	\mathindent[L]
suppress numbering of displayed	equations.	\nonumber[L]
align a stack of	equations with equation numbers.	\eqalignno
align a stack of	equations with left equation numbers.	\leqalignno
math relation:	equivalence ($\equiv$).	\equiv
superscript,	equivalent to ^.	\sp
	equivalent to \cr, end of aligned text.	\endline
an ellipsis,	equivalent to \ldots in math mode.	\dots
	equivalent to \par.	\endgraf
subscript,	equivalent to _.	\sb
maximum overrun before overfull vbox	error.	\vfuzz[*]
number of lines of context to be displayed in an	error message.	\errorcontextlines[3]
write balanced	error message to the terminal.	\errmessage[*]

	process input without displaying	errors.	\batchmode*
	limit for bad hbox	errors.	\hbadness*
	process input without stopping for	errors.	\nonstopmode*
	process TEX input without pausing for normal	errors.	\scrollmode*
	limit for bad vbox	errors.	\vbadness*
	pause for normal	errors while processing TEX input. ...	\errorstopmode*
sequence tokens.		escape character in the output of control	\escapechar*
	math Greek letter:	eta (η).	\eta
	fill a space with an	evenly distributed box or rule.	\xleaders*
	height of text,	excluding head and foot.	\textheight[L]
		execute a command from the terminal.	\typein[L]
	show commands before they are	executed.	\tracingcommands*
	math symbol:	exists quantifier ($\exists$).	\exists
	math function:	exp.	\exp
tokens.		expand a control sequence into character ...	\string*
token.		expand the token following the next ...	\expandafter*
non-space is found.	read,	expand, then ignore tokens until a	\ignorespaces*
	show macros as they are	expanded.	\tracingmacros*
	define a macro with	expanded replacement text.	\edef*
	define a global macro with	expanded replacement text.	\xdef*
name.	begin	expanding tokens to construct a command .	\csname*
	suppress	expansion of a character.	\noexpand*
	penalty for line break after	explicit hyphen.	\exhyphenpenalty*
	maximum depth of boxes on	explicit pages.	\boxmaxdepth*
	select bold	extended font.	\bf
	11 point bold	extended font.	\elvbf[L]
	14 point bold	extended font.	\frtnbf[L]
	9 point bold	extended font.	\ninbf[L]
	17 point bold	extended font.	\svtnbf[L]
	12 point bold	extended font.	\twlbf[L]
	20 point bold	extended font.	\twtybf[L]
	10 point math	extension symbol font.	\tenex
	gives the	external file name for the given font.	\fontname*
		extra space above displays.	\abovedisplayskip*
following short lines.		extra space above displays .	\abovedisplayshortskip*
		extra space added to top of page.	\topmargin[L]
		extra space after subscript or superscript.	\scriptspace*
tabular environment.	add	extra space before a column in array or	\extracolsep[L]
	amount of	extra space between entries in an index. .	\indexspace[L]
	turn off	extra space between lines.	\offinterlineskip
isn't enough.		extra space between lines if \baselineskip	\lineskip*
		extra space in badly-stretched lines.	\emergencystretch[3]
		extra space just below displays. ..	\belowdisplayskip*
displays following short lines.		extra space just below	\belowdisplayshortskip*
	add	extra vertical space.	\addvspace[L]
a paragraph.		extra vertical space when environment starts	\partopsep[L]
	set a character's space	factor.	\sfcode*
	set a character's spacing	factor.	\spacefactor*
	amount by which delimiters can	fail to span included material. .	\delimitershortfall*
	test always	false.	\iffalse*
	bold font	family.	\bffam
	italic font	family.	\itfam
	define a new font	family.	\newfam

	slanted font	family.	\slfam
	typewriter font	family.	\ttfam
	current	family number.	\fam [*]
	space between a box and its contents in	\fbox and \framebox.	\fboxsep [L]
		fetch last box off the current list.	\lastbox [*]
		fetch last kern off the current list.	\lastkern [*]
		fetch last penalty off the current list.	\lastpenalty [*]
		fetch last skip off the current list.	\lastskip [*]
	place an accent over the next math	field.	\mathaccent [*]
	distance left by \' command between tabbing	fields.	\tabbingsep [L]
	current value of the	fifth-level item counter.	\theenumv [L]
	mark denoting	fifth-level items.	\labelitemv [L]
	width of left margin in	fifth-level list.	\leftmarginv [L]
	end a floating	figure.	\endfigure [L]
	begin a floating	figure.	\figure [L]
	current value of the	figure counter.	\thefigure [L]
	generate a list of	figures.	\listoffigures [L]
	flush	figures and start a new page.	\clearpage [L]
right-hand page.	flush	figures and tables and start a new .	\cleardoublepage [L]
	add text to table contents,	figures, or tables.	\addtocontents [L]
	amount of	fil space in current page.	\pagefilstretch [*]
	break a page unless there is a better	\filbreak below.	\filbreak
	close an input	file.	\closein [*]
	close an output	file.	\closeout [*]
	test for end of	file.	\ifeof [*]
	read a	file.	\input [*]
	name of the principal input	file.	\jobname [*]
	pause after each line is read from a	file.	\pausing [*]
	read a line from a	file.	\read [*]
	allocate a new input	file.	\newread
	allocate a new output	file.	\newwrite
	write a token list to a	file.	\write [*]
	stop reading current input	file at the end of the current line.	\endinput [*]
	open a	file for input.	\openin [*]
	open a	file for output.	\openout [*]
	terminate TeX and write a format	file: INITEX only.	\dump [*]
	gives the external	file name for the given font.	\fontname [*]
	en entry in a	file of index terms.	\indexentry [L]
	write to the log	file only.	\wlog
	read a	file unless disabled by \includeonly.	\include [L]
	suppress writing all auxiliary	files.	\nofiles [L]
		fill a space with a downward brace.	\downbracefill
		fill a space with a left arrow.	\leftarrowfill
		fill a space with a repeated box or rule.	\leaders [*]
		fill a space with a right arrow.	\rightarrowfill
		fill a space with a rule.	\hrulefill
rule.		fill a space with an evenly distributed box or	\xleaders [*]
		fill a space with an upward brace.	\upbracefill
		fill a space with dots.	\dotfill
	amount of	fill space in current page.	\pagefillstretch [*]
	amount of	filll space in current page.	\pagefilllstretch [*]
	terminate LaTeX and flush the	final page.	\stop [L]
		finish processing input.	\bye

current value of the	first-level item counter.	\theenumi [L]
mark denoting	first-level items.	\labelitemi [L]
width of left margin in	first-level list.	\leftmargini [L]
math symbol:	flat ($\flat$).	\flat
vertical space around a	float in the middle of a page.	\intextsep [L]
size of	float on double-column page.	\dblfloatpagefraction [L]
end a	floating figure.	\endfigure [L]
begin a	floating figure.	\figure [L]
place rule between text and bottom	floats.	\botfigrule [L]
fraction of column for bottom	floats.	\bottomfraction [L]
space between double-column	floats.	\dblfloatsep [L]
fraction of two-column page for top	floats.	\dbltopfraction [L]
portion of page that may be occupied by	floats.	\floatpagefraction [L]
space between	floats.	\floatsep [L]
fraction of column for top	floats.	\topfraction [L]
rule between double-column	floats and text.	\dblfigrule [L]
space between double-column	floats and text.	\dbltextfloatsep [L]
place rule between top	floats and text.	\topfigrule [L]
space between	floats and the text.	\textfloatsep [L]
math delimiter: left	floor bracket ($\lfloor$).	\lfloor
math delimiter: right	floor ($\rfloor$).	\rfloor
	flush all insertions and eject to a new page.	\supereject
	flush figures and start a new page.	\clearpage [L]
new right-hand page.	flush figures and tables and start a	\cleardoublepage [L]
	flush insertions and eject to a new page.	\dosupereject
end	flush left environment.	\endflushleft [L]
begin	flush left environment.	\flushleft [L]
set a formula	flush left in display style.	\lefteqn [L]
	flush lines left.	\raggedright [L]
	flush lines right.	\raggedleft [L]
end	flush right environment.	\endflushright [L]
begin	flush right environment.	\flushright [L]
environment. put text	flush right in a column in tabbing	\' [L]
	flush right text on a line.	\rightline
	flush text left on a line.	\leftline
terminate LaTeX and	flush the final page.	\stop [L]
global. the	following macro definition or register setting is	\global [*]
as parameters. the	following macro may have multiple paragraphs	\long [*]
another macro. the	following macro must not be called from	\outer [*]
create end-of-sentence space after	following punctuation.	\@ [L]
extra space above displays	following short lines.	\abovedisplayshortskip [*]
extra space just below displays	following short lines.	\belowdisplayshortskip [*]
expand the token	following the next token.	\expandafter [*]
select bold extended	font.	\bf
math mode calligraphic letters	font.	\cal
8 point italic	font.	\egtit [L]
8 point LaTeX symbol	font.	\egtly [L]
8 point math italic	font.	\egtmi [L]
8 point Roman	font.	\egtrm [L]
8 point math symbol	font.	\egtsy [L]
11 point bold extended	font.	\elvbf [L]
11 point italic	font.	\elvit [L]
11 point LaTeX symbol	font.	\elvly [L]

11 point math italic	font.	\elvmi [L]
11 point Roman	font.	\elvrm [L]
11 point sans serif	font.	\elvsf [L]
11 point slanted	font.	\elvsl [L]
11 point math symbol	font.	\elvsy [L]
11 point typewriter	font.	\elvtt [L]
emphasis	font.	\em [L]
5 point boldface Roman	font.	\fivebf
5 point math italic	font.	\fivei
5 point Roman	font.	\fiverm
5 point math symbol	font.	\fivesy
5 point LaTeX symbol	font.	\fivly [L]
5 point math italic	font.	\fivmi [L]
5 point Roman	font.	\fivrm [L]
5 point math symbol	font.	\fivsy [L]
load a	font.	\font [*]
gives the external file name for the given	font.	\fontname [*]
14 point bold extended	font.	\frtnbf [L]
14 point LaTeX symbol	font.	\frtnly [L]
14 point math italic	font.	\frtnmi [L]
14 point Roman	font.	\frtnrm [L]
14 point math symbol	font.	\frtnsy [L]
select largest available	font.	\Huge [L]
hyphenation character for this	font.	\hyphenchar [*]
select italic	font.	\it
load a	font.	\load [L]
math mode italic	font.	\mit
select a	font.	\newfont [L]
9 point bold extended	font.	\ninbf [L]
9 point italic	font.	\ninit [L]
9 point LaTeX symbol	font.	\ninly [L]
9 point math italic	font.	\ninmi [L]
9 point Roman	font.	\ninrm [L]
9 point math symbol	font.	\ninsy [L]
9 point typewriter	font.	\nintt [L]
select Roman	font.	\rm
select small caps	font.	\sc [L]
7 point bold Roman	font.	\sevenbf
7 point math italic	font.	\seveni
7 point Roman	font.	\sevenrm
7 point math symbol	font.	\sevensy
7 point italic	font.	\sevit [L]
7 point LaTeX symbol	font.	\sevly [L]
7 point math italic	font.	\sevmi [L]
7 point Roman	font.	\sevrm [L]
7 point math symbol	font.	\sevsy [L]
select sans serif	font.	\sf [L]
6 point LaTeX symbol	font.	\sixly [L]
6 point math italic	font.	\sixmi [L]
6 point Roman	font.	\sixrm [L]
6 point math symbol	font.	\sixsy [L]
select slanted	font.	\sl
17 point bold extended	font.	\svtnbf [L]

17 point LaTeX symbol	font.	\svtnly L
17 point math italic	font.	\svtnmi L
17 point Roman	font.	\svtnrm L
17 point math symbol	font.	\svtnsy L
display a symbol from a	font.	\symbol L
10 point bold	font.	\tenbf
10 point circle	font.	\tencirc L
10 point wide circle	font.	\tencircw L
10 point math extension symbol	font.	\tenex
10 point math italic	font.	\teni
10 point text italic	font.	\tenit
10 point line	font.	\tenln L
10 point wide line	font.	\tenlnw L
10 point LaTeX symbol	font.	\tenly L
10 point math italic	font.	\tenmi L
10 point Roman	font.	\tenrm
10 point sans serif	font.	\tensf L
10 point slanted	font.	\tensl
10 point math symbol	font.	\tensy
10 point typewriter	font.	\tentt
select smallest defined	font.	\tiny L
show characters not in the	font.	\tracinglostchars *
select typewriter	font.	\tt
12 point bold extended	font.	\twlbf L
12 point italic	font.	\twlit L
12 point LaTeX symbol	font.	\twlly L
12 point math italic	font.	\twlmi L
12 point Roman	font.	\twlrm L
12 point sans serif	font.	\twlsf L
12 point slanted	font.	\twlsl L
12 point math symbol	font.	\twlsy L
12 point typewriter	font.	\twltt L
20 point bold extended	font.	\twtybf L
20 point LaTeX symbol	font.	\twtyly L
20 point math italic	font.	\twtymi L
20 point Roman	font.	\twtyrm L
20 point math symbol	font.	\twtysy L
bold	font family.	\bffam
italic	font family.	\itfam
define a new	font family.	\newfam
slanted	font family.	\slfam
typewriter	font family.	\ttfam
select	font for non-math text.	\textfont *
select	font for small math scripts.	\scriptfont *
select	font for very small math scripts.	\scriptscriptfont *
select	font four steps larger than normal size.	\huge L
default hyphen when a	font is loaded.	\defaulthyphenchar *
suppress right justification of typewriter	font lines.	\ttraggedright
define	font magnification.	\magstep
select	font one step larger than normal size.	\large L
big	font size.	\big L
bigger	font size.	\Big L
biggest	font size.	\BIG L

select footnote	font size.	\footnotesize[L]
select normal	font size.	\normalsize[L]
select sub-subscript	font size.	\scriptscriptsize[L]
select subscript or superscript	font size.	\scriptsize[L]
select small	font size.	\small[L]
bold	font style.	\bf[L]
select	font three steps larger than normal size.	\LARGE[L]
select	font two steps larger than normal size.	\Large[L]
a	font with no characters.	\nullfont[*]
set a	font-related parameter.	\fontdimen[*]
select bold math italic and symbol	fonts.	\boldmath[L]
scratch control sequence used in preloading	fonts.	\preloaded
unselect bold math italic and symbol	fonts.	\unboldmath[L]
constructs a box with the page	foot.	\makefootline
height of text, excluding head and	foot.	\textheight[L]
page	foot line.	\footline
height of page	footer.	\footheight[L]
space between text and page	footer.	\footskip[L]
create a	footnote.	\footnote
penalty for breaking between lines of a	footnote.	\interfootnotelinepenalty
select	footnote font size.	\footnotesize[L]
place a	footnote in a caption or other vertical list.	\vfootnote
insertion class for	footnote inserts.	\footins
ensure	footnote line separation.	\footstrut
insert a	footnote mark without text.	\footnotemark[L]
produces the	footnote number.	\thefootnote[L]
	footnote separation distance.	\footnotesep[L]
display counter as	footnote symbol.	\fnsymbol[L]
produce	footnote text without a mark.	\footnotetext[L]
add	footnote to title page.	\thanks[L]
space between main text and	footnotes.	\footins[L]
define the rule separating a page and	footnotes.	\footnoterule
interline penalty for	footnotes.	\interfootnotelinepenalty[L]
macro to draw the rule separating	footnotes from text.	\footnoterule[L]
math symbol:	for-all quantifier (∀).	\forall
convert a numeric register to displayable	form.	\the[*]
start a new page in single-column	format.	\onecolumn[L]
start a new page in double-column	format.	\twocolumn[L]
terminate TEX and write a	format file: INITEX only.	\dump[*]
begin theorem with special	format in math environment.	\proclaim
name of current TEX	format package.	\fmtname
version of current TEX	format package.	\fmtversion
where text will be inserted when the page is	formatted. define	\insert[*]
colon in a math	formula.	\colon
create a zero-height hbox with the width of a	formula.	\hphantom
horizontal brace over a math	formula.	\overbrace
left arrow over a math	formula.	\overleftarrow
draw a line over a	formula.	\overline[*]
right arrow over a math	formula.	\overrightarrow
use the space taken by a	formula.	\phantom
specified root of a	formula.	\root
square root of a	formula.	\sqrt
horizontal brace under a math	formula.	\underbrace

draw a line under a	formula.	\underline*
a zero-width vbox the height and depth of a	formula. create	\vphantom
choose a math	formula based on the current style.	\mathchoice*
set a	formula flush left in display style.	\lefteqn[L]
create a	formula with zero height.	\smash
medium space in math	formulas.	\medmuskip*
thick space in math	formulas.	\thickmuskip*
thin space in math	formulas.	\thinmuskip*
display a stack of	formulas without alignment.	\displaylines
expand, then ignore tokens until a non-space is	found. read,	\ignorespaces*
select font	four steps larger than normal size.	\huge[L]
current value of the	fourth-level item counter.	\theenumiv[L]
mark denoting	fourth-level items.	\labelitemiv[L]
width of left margin in	fourth-level list.	\leftmarginiv[L]
generate a	fraction.	\frac[L]
	fraction of column for bottom floats.	\bottomfraction[L]
	fraction of column for top floats.	\topfraction[L]
floats.	fraction of two-column page for top	\dbltopfraction[L]
	fraction with a rule.	\over*
	fraction with rule and given delimiters.	\overwithdelims*
	fraction with rule thickness.	\above*
delimiters.	fraction with specified rule and	\abovewithdelims*
	fraction without a rule with braces.	\brace
	fraction without a rule with brackets.	\brack
	fraction without a rule with parentheses.	\choose
	fraction without rule.	\atop*
delimiters.	fraction without rule with given	\atopwithdelims*
protect	fragile commands and moving arguments.	\protect[L]
math symbol: imaginary,	Fraktur I ($\Im$).	\Im
math symbol: real,	Fraktur R ($\Re$).	\Re
create and	frame a box.	\fbox[L]
create and	frame a box, with positioning.	\framebox[L]
put a	frame around some text.	\frame[L]
between a box and its contents in `\fbox` and	`\framebox`. space	\fboxsep[L]
thickness of rule surrounding	framed box.	\fboxrule[L]
math relation:	frown ($\frown$).	\frown
math	function: arc cosine.	\arccos
math	function: arc sine.	\arcsin
math	function: arc tangent.	\arctan
math	function: arg.	\arg
math	function: cosecant.	\csc
math	function: cosine.	\cos
math	function: cotangent.	\cot
math	function: degree of a polynomial (deg).	\deg
math	function: det.	\det
math	function: dim.	\dim
math	function: exp.	\exp
math	function: gcd.	\gcd
math	function: hom.	\hom
math	function: hyperbolic cosine.	\cosh
math	function: hyperbolic cotangent.	\coth
math	function: hyperbolic sine.	\sinh
math	function: hyperbolic tangent.	\tanh

math	function: inf.	`\inf`
math	function: ker.	`\ker`
math	function: lg.	`\lg`
math	function: lim.	`\lim`
math	function: limit infimum (*liminf*).	`\liminf`
math	function: limit supremum (*limsup*).	`\limsup`
math	function: ln.	`\ln`
math	function: log.	`\log`
math	function: max.	`\max`
math	function: min.	`\min`
math	function: mod within parentheses ((mod)).	`\pmod`
math	function: probability (Pr).	`\Pr`
math	function: secant.	`\sec`
math	function: sine.	`\sin`
math	function: sup.	`\sup`
math	function: tangent.	`\tan`
math Greek letter:	gamma (γ).	`\gamma`
math Greek letter: capital	gamma (Γ).	`\Gamma`
math function:	gcd.	`\gcd`
	generate a fraction.	`\frac` [L]
	generate a list of figures.	`\listoffigures` [L]
	generate a list of tables.	`\listoftables` [L]
columns.	generate a matrix labeled on rows and	`\bordermatrix`
	generate a matrix with a left brace delimiter.	`\cases`
	generate a matrix with parentheses delimiters.	`\pmatrix`
	generate a matrix without delimiters.	`\matrix`
	generate a short amount of verbatim text.	`\verb` [L]
	generate a table of contents.	`\tableofcontents` [L]
	generate an in-text citation of a reference.	`\cite` [L]
	German letter: sharp s (ß).	`\ss`
math relation:	gets ($\leftarrow$).	`\gets`
token.	give a token list defining the semantics of a .	`\meaning` [*]
following macro definition or register setting is	global. the	`\global` [*]
define a	global macro with expanded replacement text.	`\xdef` [*]
set	global page style.	`\pagestyle` [L]
override	`\global` specifications.	`\globaldefs` [*]
define a macro	globally.	`\gdef` [*]
write a	glossary entry.	`\glossary` [L]
enable	glossary processing.	`\makeglossary` [L]
amount of	glue shrinkage in current page.	`\pageshrink` [*]
amount of	glue stretch in current page.	`\pagestretch` [*]
	grave accent (è).	`` \` ``
math accent:	grave ($\grave{x}$).	`\grave`
math relation: much	greater ($\gg$).	`\gg`
math relation:	greater or equal ($\geq$).	`\ge`
math relation:	greater or equal ($\geq$).	`\geq`
math	Greek letter: alpha (α).	`\alpha`
math	Greek letter: beta (β).	`\beta`
math	Greek letter: capital delta (Δ).	`\Delta`
math	Greek letter: capital gamma (Γ).	`\Gamma`
math	Greek letter: capital lambda (Λ).	`\Lambda`
math	Greek letter: capital omega (Ω).	`\Omega`
math	Greek letter: capital phi (Φ).	`\Phi`

math	Greek letter: capital pi (Π).	\Pi
math	Greek letter: capital psi (Ψ).	\Psi
math	Greek letter: capital sigma (Σ).	\Sigma
math	Greek letter: capital theta (Θ).	\Theta
math	Greek letter: capital upsilon (Υ).	\Upsilon
math	Greek letter: capital xi (Ξ).	\Xi
math	Greek letter: chi (χ).	\chi
math	Greek letter: delta (δ).	\delta
math	Greek letter: epsilon (ϵ).	\epsilon
math	Greek letter: eta (η).	\eta
math	Greek letter: gamma (γ).	\gamma
math	Greek letter: kappa (κ).	\kappa
math	Greek letter: lambda (λ).	\lambda
math	Greek letter: mu (μ).	\mu
math	Greek letter: nu (ν).	\nu
math	Greek letter: omega (ω).	\omega
math	Greek letter: phi (ϕ).	\phi
math	Greek letter: pi (π).	\pi
math	Greek letter: psi (ψ).	\psi
math	Greek letter: rho (ρ).	\rho
math	Greek letter: sigma (σ).	\sigma
math	Greek letter: tau (τ).	\tau
math	Greek letter: theta (θ).	\theta
math	Greek letter: upsilon (υ).	\upsilon
math	Greek letter: variant epsilon (ε).	\varepsilon
math	Greek letter: variant phi (φ).	\varphi
math	Greek letter: variant pi (ϖ).	\varpi
math	Greek letter: variant rho (ϱ).	\varrho
math	Greek letter: variant sigma (ς).	\varsigma
math	Greek letter: variant theta (ϑ).	\vartheta
math	Greek letter: xi (ξ).	\xi
math	Greek letter: zeta (ζ).	\zeta
begin a	group.	\begingroup*
begin a	group.	\bgroup
end a	group.	\egroup
end a	group.	\endgroup*
show unassignments when	groups end.	\tracingrestores*
ensure a `\cr` in	`\halign`.	\crcr*
end a line in	`\halign` aligned text.	\cr*
field separator in	`\halign` or `\valign`.	&*
insert unaligned material in	`\halign` or `\valign`.	\noalign*
start an	`\halign` with `\tabskip` initialized to zero.	\ialign
	hanging indent of a paragraph.	\@hangfrom[L]
set	hanging indentation.	\hangindent*
display an item without	hanging indentation.	\textindent
number of lines.	hanging indentation changes after specified	\hangafter*
math symbol: left	harpoon down ($\leftharpoondown$).	\leftharpoondown
math symbol: right	harpoon down ($\rightharpoondown$).	\rightharpoondown
math symbol: right left	harpoon ($\rightleftharpoons$).	\rightleftharpoons
math symbol: left	harpoon up ($\leftharpoonup$).	\leftharpoonup
math symbol: right	harpoon up ($\rightharpoonup$).	\rightharpoonup
math accent:	hat ($\hat{x}$).	\hat
math accent: wide	hat ($\widehat{x}$).	\widehat

pound,	hatch mark, sharp sign, octothorpe (#).	\#
math symbol: Planck's constant or	h-bar (ℏ).	\hbar
width of a paragraph or	\hbox.	\hsize*
an empty	hbox.	\null
un-box an	hbox and add it to the horizontal list.	\unhbox*
un-box a copy of an	hbox and add it to the horizontal list.	\unhcopy*
tokens to insert when an	hbox begins.	\everyhbox*
limit for bad	hbox errors.	\hbadness*
maximum overrun before overfull	hbox messages occur.	\hfuzz*
store an	hbox or vbox in a box register.	\setbox*
create a zero-height	hbox with the width of a formula.	\hphantom
height of page	header.	\headheight L
constructs a box with the page	header.	\makeheadline
space between page	header and text.	\headsep L
produces current left page	heading.	\leftmark L
produces current right page	heading.	\rightmark L
set	heading for right pages.	\markright L
set	headings for left and right pages.	\markboth L
math symbol:	heart suit (♡).	\heartsuit
justify page bottoms to the same	height.	\flushbottom L
justify page bottoms to the same	height.	\normalbottom
put page contents in a box of the proper	height.	\pagebody
desired page	height.	\pagegoal*
justify page bottoms to their natural	height.	\raggedbottom L
create a formula with zero	height.	\smash
create a zero-width vbox the	height and depth of a formula.	\vphantom
math strut with	height and depth of parentheses.	\mathstrut
	height of a box.	\ht*
	height of page footer.	\footheight L
	height of page header.	\headheight L
natural	height of page so far.	\pagetotal*
	height of text, excluding head and foot. .	\textheight L
	height of text on a page or \vbox.	\vsize*
help message to display if user asks for	help.	\errhelp*
set @ non-alphabetic to	hide internal commands.	\makeatother L
math function:	hom.	\hom
math symbol:	hook left arrow (↩).	\hookleftarrow
math symbol: left	hook (ᶜ).	\lhook
math operator: logical not,	hook (¬).	\lnot
math symbol: right	hook (ᵓ).	\rhook
math symbol:	hook right arrow (↪).	\hookrightarrow
test for a	horizontal box.	\ifhbox*
lower left piece of a	horizontal brace.	\braceld
upper left piece of a	horizontal brace.	\bracelu
lower right piece of a	horizontal brace.	\bracerd
upper right piece of a	horizontal brace.	\braceru
	horizontal brace over a math formula.	\overbrace
	horizontal brace under a math formula. .	\underbrace
accents. default	horizontal kern character to position	\defaultskewchar*
	horizontal kern to position accents.	\skewchar*
environments.	horizontal line in array and tabular	\hline L
un-box an hbox and add it to the	horizontal list.	\unhbox*
un-box a copy of an hbox and add it to the	horizontal list.	\unhcopy*

test for	horizontal mode.	\ifhmode[*]
switch to	horizontal mode from vertical mode.	\leavevmode
create a box with	horizontal mode material.	\hbox[*]
	horizontal offset of a page.	\hoffset[*]
produce a	horizontal rule.	\hrule[*]
breakable small	horizontal skip.	\enskip
large breakable	horizontal skip.	\qquad
breakable medium	horizontal skip.	\quad
unbreakable small	horizontal space.	\enspace
infinitely stretchable	horizontal space.	\hfil[*]
more infinitely stretchable	horizontal space.	\hfill[*]
cancel infinitely stretchable	horizontal space.	\hfilneg[*]
create some	horizontal space.	\hglue
add	horizontal space.	\hskip[*]
skip	horizontal space.	\hspace[L]
infinitely stretchable and shrinkable	horizontal space.	\hss[*]
unbreakable tiny negative math mode	horizontal space.	\negthinspace
unbreakable small	horizontal space.	\thinspace
insert	horizontal space in math mode.	\mskip[*]
define	horizontal tabs.	\settabs
long	Hungarian umlaut accent (ő).	\H
math function:	hyperbolic cosine.	\cosh
math function:	hyperbolic cotangent.	\coth
math function:	hyperbolic sine.	\sinh
math function:	hyperbolic tangent.	\tanh
discretionary	hyphen.	\-[*]
penalty for line break after explicit	hyphen.	\exhyphenpenalty[*]
penalty for line break after discretionary	hyphen.	\hyphenpenalty[*]
default	hyphen when a font is loaded.	\defaulthyphenchar[*]
penalty if page break after	hyphenated line.	\brokenpenalty[*]
letters. positive if	hyphenating words beginning with capital	\uchyph[*]
current language used for	hyphenation.	\language[3]
define a new language to be used for	hyphenation.	\newlanguage[3]
specify language to be used for	hyphenation.	\setlanguage[3]
badness tolerance after	hyphenation.	\tolerance[*]
word. minimum number of characters after	hyphenation at the end of a	\righthyphenposition[3]
word. minimum number of characters before	hyphenation at the start of a	\lefthyphenposition[3]
	hyphenation character for this font.	\hyphenchar[*]
insert words into	hyphenation dictionary.	\hyphenation[*]
badness tolerance before	hyphenation is attempted.	\pretolerance[*]
define a set of	hyphenation patterns.	\patterns[*]
show	hyphenations of given words.	\showhyphens
alternative to an	\if.	\else[*]
end of an	\if clause.	\fi[*]
define a new	\if command.	\newif
separate cases in an	\ifcase.	\or[*]
read, expand, then	ignore tokens until a non-space is found.	\ignorespaces[*]
math symbol:	imaginary, Fraktur I ($\Im$).	\Im
perform a \read or \write	immediately.	\immediate[*]
post-processing.	include balanced text in DVI file for	\special[*]
enable only specific	\include commands.	\includeonly[L]
amount by which delimiters can fail to span	included material.	\delimitershortfall[*]
read a file unless disabled by	\includeonly.	\include[L]

\contentsline command.	includes the section number in a	\numberline [L]
demerits for adjacent	incompatible lines.	\adjdemerits *
\parindent.	increase left and right margins by	\narrower
	increase line separation in math mode.	\openup
	increment a counter.	\addtocounter [L]
	increment a counter.	\stepcounter [L]
	increment and reference a counter.	\refstepcounter [L]
	increment the value of a length command.	\addtolength [L]
environment.	indent before the label in a list	\itemindent [L]
hanging	indent of a paragraph.	\@hangfrom [L]
paragraph by \parindent.	indent second and subsequent lines in a	\hang
paragraphs in a list environment.	indent second and subsequent	\listparindent [L]
set hanging	indentation.	\hangindent *
start a paragraph without	indentation.	\noindent *
define paragraph	indentation.	\parindent *
display an item without hanging	indentation.	\textindent
of lines. hanging	indentation changes after specified number	\hangafter *
	indentation of display equations.	\mathindent [L]
equation.	indentation of line for displayed	\displayindent *
start a paragraph	indented \parindent.	\indent *
environment.	indents left margin one tab stop in tabbing	\+ [L]
amount of extra space between entries in an	index.	\indexspace [L]
second-level item in an	index.	\subitem [L]
third-level item in an	index.	\subsubitem [L]
enable	index creation.	\makeindex [L]
create an	index entry.	\index [L]
en entry in a file of	index terms.	\indexentry [L]
math function:	inf.	\inf
math function: limit	infimum (*liminf*).	\liminf
space.	infinitely stretchable and shrinkable horizontal	\hss *
space.	infinitely stretchable and shrinkable vertical	\vss *
	infinitely stretchable horizontal space.	\hfil *
more	infinitely stretchable horizontal space.	\hfill *
cancel	infinitely stretchable horizontal space.	\hfilneg *
	infinitely stretchable space.	\stretch [L]
	infinitely stretchable vertical space.	\vfil *
more	infinitely stretchable vertical space.	\vfill *
cancel	infinitely stretchable vertical space.	\vfilneg *
math symbol:	infinity (∞).	\infty
	inhibit a page break over a region.	\samepage [L]
terminate TeX and write a format file:	INITEX only.	\dump *
start an \halign with \tabskip	initialized to zero.	\ialign
begin a tabbed line in an	inner environment.	\tabalign
define an	inner math subformula.	\mathinner *
finish processing	input.	\bye
pause for normal errors while processing TeX	input.	\errorstopmode *
open a file for	input.	\openin *
close an	input file.	\closein *
name of the principal	input file.	\jobname *
allocate a new	input file.	\newread
stop reading current	input file at the end of the current line.	\endinput *
character placed at the right end of an	input line.	\endlinechar *
verbatim line breaks in	input text.	\obeylines

verbatim spaces in	input text.	\obeyspaces
process	input without displaying errors.	\batchmode*
process TeX	input without pausing for normal errors.	\scrollmode*
process	input without stopping for errors.	\nonstopmode*
end of an	insert.	\endinsert
	insert a footnote mark without text.	\footnotemark[L]
completed.	insert a token after the current group is	\aftergroup*
assignment command.	insert a token after the next	\afterassignment*
	insert a whole page.	\pageinsert
tokens to	insert after every \cr or nonredundant \crcr.	\everycr*
	insert at current position in page.	\midinsert
	insert horizontal space in math mode.	\mskip*
allocate a new	insert register.	\newinsert
	insert text at the top of the page.	\topinsert
\valign.	insert unaligned material in \halign or	\noalign*
	insert vertical material into a paragraph.	\vadjust*
tokens to	insert when a paragraph begins.	\everypar*
tokens to	insert when a vbox begins.	\everyvbox*
tokens to	insert when an hbox begins.	\everyhbox*
tokens to	insert when display math begins.	\everydisplay*
tokens to	insert when math in text begins.	\everymath*
tokens to	insert when the job begins.	\everyjob*
	insert words into hyphenation dictionary.	\hyphenation*
define where text will be	inserted when the page is formatted.	\insert*
	insertion class for footnote inserts.	\footins
	insertion class for inserts at the top of a page.	\topins
flush	insertions and eject to a new page.	\dosupereject
flush all	insertions and eject to a new page.	\supereject
sum of penalties for split	insertions on the page.	\insertpenalties*
penalty for	insertions that are split.	\floatingpenalty*
insertion class for footnote	inserts.	\footins
insertion class for	inserts at the top of a page.	\topins
select one of several entries determined by an	integer.	\ifcase*
test for odd	integer.	\ifodd*
test two	integers.	\ifnum*
math operator:	integral ($\int$).	\int
math operator: contour	integral ($\oint$).	\oint
math operator: small	integral ($\int$).	\smallint
enable BibTeX bibliography	interface.	\bibliography[L]
footnotes.	interline penalty for	\interfootnotelinepenalty[L]
box. suppress	interline space before next vertical	\nointerlineskip
set @ alphabetic to access	internal commands.	\makeatletter[L]
set @ non-alphabetic to hide	internal commands.	\makeatother[L]
test for an	internal mode.	\ifinner*
long arrows.	internal Plain TeX command to piece together	\joinrel
math text symbols.	internal Plain TeX operation to define	\mathhexbox
	internal Plain TeX space used for centering.	\centering
math operator:	intersection or cap ($\cap$).	\cap
generate an	in-text citation of a reference.	\cite[L]
use	in-text style for math.	\textstyle*
math symbol:	iota (ι).	\iota
select bold math	italic and symbol fonts.	\boldmath[L]
unselect bold math	italic and symbol fonts.	\unboldmath[L]

	italic correction.	\/[*]
8 point	italic font.	\egtit[L]
8 point math	italic font.	\egtmi[L]
11 point	italic font.	\elvit[L]
11 point math	italic font.	\elvmi[L]
5 point math	italic font.	\fivei
5 point math	italic font.	\fivmi[L]
14 point math	italic font.	\frtnmi[L]
select	italic font.	\it
math mode	italic font.	\mit
9 point	italic font.	\ninit[L]
9 point math	italic font.	\ninmi[L]
7 point math	italic font.	\seveni
7 point	italic font.	\sevit[L]
7 point math	italic font.	\sevmi[L]
6 point math	italic font.	\sixmi[L]
17 point math	italic font.	\svtnmi[L]
10 point math	italic font.	\teni
10 point text	italic font.	\tenit
10 point math	italic font.	\tenmi[L]
12 point	italic font.	\twlit[L]
12 point math	italic font.	\twlmi[L]
20 point math	italic font.	\twtymi[L]
	italic font family.	\itfam
display an	item.	\item
space between a label and text of a list	item.	\labelsep[L]
math spacing of a closing delimiter for the next	item. select	\mathclose[*]
math spacing of an opening delimiter for the next	item. select	\mathopen[*]
space between first list	item and preceding paragraph.	\topsep[L]
current value of the third-level	item counter.	\theenumiii[L]
current value of the second-level	item counter.	\theenumii[L]
current value of the first-level	item counter.	\theenumi[L]
current value of the fourth-level	item counter.	\theenumiv[L]
current value of the sixth-level	item counter.	\theenumvi[L]
current value of the fifth-level	item counter.	\theenumv[L]
space between paragraphs within an	item in a list environment.	\parsep[L]
second-level	item in an index.	\subitem[L]
third-level	item in an index.	\subsubitem[L]
create	item label for a list environment.	\makelabel[L]
place balanced text into a mark	item on the current list.	\mark[*]
append a discretionary	item to the current list.	\discretionary[*]
reference a BibTeX	item without citation.	\nocite[L]
display an	item without hanging indentation.	\textindent
penalty between list	items.	\@itempenalty[L]
mark denoting third-level	items.	\labelitemiii[L]
mark denoting second-level	items.	\labelitemii[L]
mark denoting first-level	items.	\labelitemi[L]
mark denoting fourth-level	items.	\labelitemiv[L]
mark denoting sixth-level	items.	\labelitemvi[L]
mark denoting fifth-level	items.	\labelitemv[L]
create a box with a single column of	items.	\shortstack[L]
space between successive	items in a list environment.	\itemsep[L]
maximum boxed	items shown at a given depth.	\showboxbreadth[*]

associate a counter with an	item-type command.	\usecounter[L]
math symbol: dotless	j ($\jmath$).	\jmath
dotless	j letter (ȷ).	\j
math symbol:	join ($\bowtie$).	\Join[L]
math	join operator: large V ($\bigvee$).	\bigvee
math binary operator:	join or V ($\vee$).	\vee
suppress bottom	justification of page text.	\raggedbottom
suppress right	justification of paragraph lines.	\raggedright
suppress right	justification of typewriter font lines.	\ttraggedright
	justify page bottoms to the same height.	\flushbottom[L]
	justify page bottoms to the same height.	\normalbottom
height.	justify page bottoms to their natural	\raggedbottom[L]
math Greek letter:	kappa (κ).	\kappa
math function:	ker.	\ker
	kern a given distance.	\kern[*]
default horizontal	kern character to position accents.	\defaultskewchar[*]
	kern in math mode.	\mkern[*]
remove a	kern just added to the current list.	\unkern[*]
fetch last	kern off the current list.	\lastkern[*]
horizontal	kern to position accents.	\skewchar[*]
define	kerning around math in text.	\mathsurround[*]
math symbol: small script	L (ℓ).	\ell
Polish letter: slashed	L (ł).	\l
Polish letter: upper-case slashed	L (Ł).	\L
define a cross reference	label.	\label[L]
page number of a cross reference	label.	\pageref[L]
refer to a cross reference	label.	\ref[L]
space between a	label and text of a list item.	\labelsep[L]
create item	label for a list environment.	\makelabel[L]
indent before the	label in a list environment.	\itemindent[L]
	label width in a list environment.	\labelwidth[L]
generate a matrix	labeled on rows and columns.	\bordermatrix
start a	labeled paragraph.	\paragraph[L]
start a	labeled sub-level paragraph.	\subparagraph[L]
math Greek letter:	lambda (λ).	\lambda
math Greek letter: capital	lambda (Λ).	\Lambda
define a new	language to be used for hyphenation.	\newlanguage[3]
specify	language to be used for hyphenation.	\setlanguage[3]
current	language used for hyphenation.	\language[3]
vertical skip a	large amount.	\bigskip[L]
	large breakable horizontal skip.	\qquad
math operator:	large cap ($\bigcap$).	\bigcap
math operator:	large circle ($\bigcirc$).	\bigcirc
math operator:	large circle with dot ($\bigodot$).	\bigodot
math operator:	large circle with plus ($\bigoplus$).	\bigoplus
math operator:	large circle with times ($\bigotimes$).	\bigotimes
math operator:	large co-product ($\coprod$).	\coprod
math operator:	large cup ($\bigcup$).	\bigcup
math operator:	large down triangle ($\bigtriangledown$).	\bigtriangledown
define a	large math operator.	\mathop[*]
restore default limit placement on	large math operators.	\displaylimits[*]
math operator:	large product ($\prod$).	\prod
math operator:	large square cup ($\bigsqcup$).	\bigsqcup

math operator:	large sum ($\sum$).	\sum
math operator:	large U plus ($\biguplus$).	\biguplus
math operator:	large up triangle ($\bigtriangleup$).	\bigtriangleup
math join operator:	large V ($\bigvee$).	\bigvee
	large vertical break.	\bigskip
	large vertical space or a good page break.	\bigbreak
math meet operator:	large wedge ($\bigwedge$).	\bigwedge
select font four steps	larger than normal size.	\huge [L]
select font one step	larger than normal size.	\large [L]
select font three steps	larger than normal size.	\LARGE [L]
select font two steps	larger than normal size.	\Large [L]
select	largest available font.	\Huge [L]
	largest permissible dimension.	\maxdimen
fetch	last box off the current list.	\lastbox [*]
depth of the	last box on the vertical list.	\prevdepth [*]
mark text	last encountered in a split box.	\splitbotmark [*]
mark text	last encountered on page just boxed.	\botmark [*]
fetch	last kern off the current list.	\lastkern [*]
space at the end of the	last line of a paragraph.	\parfillskip [*]
number of lines in the	last paragraph.	\prevgraf [*]
fetch	last penalty off the current list.	\lastpenalty [*]
number of output routine calls since	last \shipout.	\deadcycles [*]
fetch	last skip off the current list.	\lastskip [*]
remove	last skip on the list.	\removelastskip
terminate	LaTeX and flush the final page.	\stop [L]
	LaTeX logo.	\LaTeX [L]
8 point	LaTeX symbol font.	\egtly [L]
11 point	LaTeX symbol font.	\elvly [L]
5 point	LaTeX symbol font.	\fivly [L]
14 point	LaTeX symbol font.	\frtnly [L]
9 point	LaTeX symbol font.	\ninly [L]
7 point	LaTeX symbol font.	\sevly [L]
6 point	LaTeX symbol font.	\sixly [L]
17 point	LaTeX symbol font.	\svtnly [L]
10 point	LaTeX symbol font.	\tenly [L]
12 point	LaTeX symbol font.	\twlly [L]
20 point	LaTeX symbol font.	\twtyly [L]
an ellipsis, equivalent to	\ldots in math mode.	\dots
math symbol:	leads to ($\leadsto$).	\leadsto [L]
create a zero-width box with text to the	left.	\llap
add a box to the vertical list shifted	left.	\moveleft [*]
flush lines	left.	\raggedright [L]
math symbol: long	left and right arrow ($\longleftrightarrow$).	\longleftrightarrow
increase	left and right margins by \parindent.	\narrower
set headings for	left and right pages.	\markboth [L]
math delimiter:	left angle bracket ($\langle$).	\langle
fill a space with a	left arrow.	\leftarrowfill
math symbol: hook	left arrow ($\hookleftarrow$).	\hookleftarrow
math symbol:	left arrow ($\leftarrow$).	\leftarrow
math symbol: long	left arrow ($\longleftarrow$).	\longleftarrow
	left arrow over a math formula.	\overleftarrow
generate a matrix with a	left brace delimiter.	\cases
math delimiter:	left bracket ($[$).	\lbrack

distance	left by `\'` command between tabbing fields.	`\tabbingsep` [L]
math delimiter:	left ceiling bracket ($\lceil$).	`\lceil`
math delimiter:	left curly brace ($\{$).	`\lbrace`
begin a new math list with a	left delimiter.	`\left` [*]
math symbol:	left double arrow ($\Leftarrow$).	`\Leftarrow`
math symbol: long	left double arrow ($\Longleftarrow$).	`\Longleftarrow`
end flush	left environment.	`\endflushleft` [L]
begin flush	left environment.	`\flushleft` [L]
	left equation number.	`\leqno` [*]
align a stack of equations with	left equation numbers.	`\leqalignno`
math delimiter:	left floor bracket ($\lfloor$).	`\lfloor`
math delimiter:	left group ($\lgroup$).	`\lgroup`
math symbol:	left half diamond ($\lhd$).	`\lhd` [L]
math symbol: underlined	left half diamond ($\unlhd$).	`\unlhd` [L]
	left hand margin on even pages.	`\evensidemargin` [L]
	left hand margin on odd pages.	`\oddsidemargin` [L]
math symbol:	left harpoon down ($\leftharpoondown$).	`\leftharpoondown`
math symbol: right	left harpoon ($\rightleftharpoons$).	`\rightleftharpoons`
math symbol:	left harpoon up ($\leftharpoonup$).	`\leftharpoonup`
math symbol:	left hook ($\lhook$).	`\lhook`
set a formula flush	left in display style.	`\lefteqn` [L]
width of	left margin in fifth-level list.	`\leftmarginv` [L]
width of	left margin in first-level list.	`\leftmargini` [L]
width of	left margin in fourth-level list.	`\leftmarginiv` [L]
width of	left margin in second-level list.	`\leftmarginii` [L]
width of	left margin in sixth-level list.	`\leftmarginvi` [L]
width of	left margin in third-level list.	`\leftmarginiii` [L]
	left margin of a list environment.	`\leftmargin` [L]
environment. unindents	left margin one tab stop in tabbing	`\-` [L]
environment. indents	left margin one tab stop in tabbing	`\+` [L]
2.5-line	left math delimiter.	`\Biggl`
2-line	left math delimiter.	`\biggl`
1.5-line	left math delimiter.	`\Bigl`
1-line	left math delimiter.	`\bigl`
math symbol:	left moustache ($\lmoustache$).	`\lmoustache`
space to the	left of a paragraph.	`\leftskip` [*]
flush text	left on a line.	`\leftline`
produces current	left page heading.	`\leftmark` [L]
lower	left piece of a horizontal brace.	`\braceld`
upper	left piece of a horizontal brace.	`\bracelu`
math symbol:	left quote (‘).	`\lq`
math operator:	left triangle ($\triangleleft$).	`\triangleleft`
math symbol:	left-right arrow ($\leftrightarrow$).	`\leftrightarrow`
math symbol:	left-right double arrow ($\Leftrightarrow$).	`\Leftrightarrow`
math symbol: long	left-right double arrow ($\Longleftrightarrow$). .	`\Longleftrightarrow`
increment the value of a	length command.	`\addtolength` [L]
define a new	length command.	`\newlength` [L]
set a	length command.	`\setlength` [L]
set a	length command to width of text.	`\settowidth` [L]
	length of text preceding a display. ..	`\predisplaysize` [*]
math relation: much	less ($\ll$).	`\ll`
math relation:	less or equal ($\leq$).	`\le`

math relation:	less or equal ($\leq$).	`\leq`
display counter as lower-case	letter.	`\alph`[L]
display counter as upper-case	letter.	`\Alph`[L]
math Greek	letter: alpha (α).	`\alpha`
math Greek	letter: beta (β).	`\beta`
math Greek	letter: capital delta (Δ).	`\Delta`
math Greek	letter: capital gamma (Γ).	`\Gamma`
math Greek	letter: capital lambda (Λ).	`\Lambda`
Norwegian	letter: capital o with slash (Ø).	`\O`
math Greek	letter: capital omega (Ω).	`\Omega`
math Greek	letter: capital phi (Φ).	`\Phi`
math Greek	letter: capital pi (Π).	`\Pi`
math Greek	letter: capital psi (Ψ).	`\Psi`
math Greek	letter: capital sigma (Σ).	`\Sigma`
math Greek	letter: capital theta (Θ).	`\Theta`
math Greek	letter: capital upsilon (Υ).	`\Upsilon`
math Greek	letter: capital xi (Ξ).	`\Xi`
math Greek	letter: chi (χ).	`\chi`
math Greek	letter: delta (δ).	`\delta`
math Greek	letter: epsilon (ϵ).	`\epsilon`
math Greek	letter: eta (η).	`\eta`
math Greek	letter: gamma (γ).	`\gamma`
dotless i	letter (ı).	`\i`
dotless j	letter (ȷ).	`\j`
math Greek	letter: kappa (κ).	`\kappa`
math Greek	letter: lambda (λ).	`\lambda`
math Greek	letter: mu (μ).	`\mu`
math Greek	letter: nu (ν).	`\nu`
Norwegian	letter: o with slash (ø).	`\o`
math Greek	letter: omega (ω).	`\omega`
math Greek	letter: phi (ϕ).	`\phi`
math Greek	letter: pi (π).	`\pi`
math Greek	letter: psi (ψ).	`\psi`
math Greek	letter: rho (ρ).	`\rho`
German	letter: sharp s (ß).	`\ss`
math Greek	letter: sigma (σ).	`\sigma`
Polish	letter: slashed L (ł).	`\l`
math Greek	letter: tau (τ).	`\tau`
math Greek	letter: theta (θ).	`\theta`
Polish	letter: upper-case slashed L (Ł).	`\L`
math Greek	letter: upsilon (υ).	`\upsilon`
math Greek	letter: variant epsilon (ε).	`\varepsilon`
math Greek	letter: variant phi (φ).	`\varphi`
math Greek	letter: variant pi (ϖ).	`\varpi`
math Greek	letter: variant rho (ϱ).	`\varrho`
math Greek	letter: variant sigma (ς).	`\varsigma`
math Greek	letter: variant theta (ϑ).	`\vartheta`
math Greek	letter: xi (ξ).	`\xi`
math Greek	letter: zeta (ζ).	`\zeta`
if hyphenating words beginning with capital	letters. positive	`\uchyph`[*]
math mode calligraphic	letters font.	`\cal`
an unoriented skip amount with stretch of	`\lfill`.	`\fill`[L]
math function:	lg.	`\lg`

	ligature digraph symbol ae (æ).	\ae
	ligature digraph symbol capital AE (Æ).	\AE
	ligature digraph symbol capital OE (Œ).	\OE
	ligature digraph symbol oe (œ).	\oe
math function:	lim.	\lim
	limit for bad hbox errors.	\hbadness*
	limit for bad vbox errors.	\vbadness*
math function:	limit infimum (*liminf*).	\liminf
operators. restore default	limit placement on large math	\displaylimits*
math function:	limit supremum (*limsup*).	\limsup
place math	limits above and below math operators.	\limits*
penalty if page break after hyphenated	line.	\brokenpenalty*
center text in a	line.	\centerline
current input file at the end of the current	line. stop reading	\endinput*
character placed at the right end of an input	line.	\endlinechar*
demerits for a penultimate broken	line.	\finalhyphendemerits*
page foot	line.	\footline
page head	line.	\headline
flush text left on a	line.	\leftline
width of the current	line.	\linewidth[L]
flush right text on a	line.	\rightline
create a rule or	line.	\rule[L]
require strict	line and page breaks.	\fussy[L]
accept looser	line and page breaks.	\sloppy[L]
penalty for creating a widow	line at top of page.	\widowpenalty*
penalty for creating a widow	line before a display.	\displaywidowpenalty*
allow a	line break.	\allowbreak
force a	line break.	\break
encourage a	line break.	\linebreak[L]
suppress a	line break.	\nolinebreak[L]
permit a	line break after a slash.	\slash
penalty for	line break after binary operation.	\binoppenalty*
penalty for	line break after discretionary hyphen.	\hyphenpenalty*
penalty for	line break after explicit hyphen.	\exhyphenpenalty*
penalty for	line break after math relation.	\relpenalty*
force a	line break in a paragraph.	\\[L]
force a	line break in a paragraph.	\newline[L]
verbatim	line breaks in input text.	\obeylines
10 point	line font.	\tenln[L]
10 point wide	line font.	\tenlnw[L]
indentation of	line for displayed equation.	\displayindent*
read a	line from a file.	\read*
amount added to badness of every	line in a paragraph.	\linepenalty*
	line in a picture environment.	\line[L]
character that starts a new output	line in a write statement.	\newlinechar*
begin a tabbed	line in an inner environment.	\tabalign
begin a tabbed	line in an outer environment.	\+
horizontal	line in array and tabular environments.	\hline[L]
vertical	line in array and tabular environments.	\vline[L]
multicolumn	line in array or tabular environment.	\cline[L]
end a	line in `\halign` aligned text.	\cr*
discard current	line in tabbing environment.	\kill[L]
pause after each	line is read from a file.	\pausing*

space at the end of the last	line of a paragraph.	`\parfillskip`*
penalty if page break after first	line of paragraph.	`\clubpenalty`*
prohibit a	line or page break.	`\nobreak`
specify penalty for a	line or page break.	`\penalty`*
draw a	line over a formula.	`\overline`*
ensure footnote	line separation.	`\footstrut`
increase	line separation in math mode.	`\openup`
vertical strut to preserve	line spacing.	`\strut`
set	line spacing to normal values.	`\normalbaselines`
draw a	line under a formula.	`\underline`*
create a box of current	line width.	`\line`
show	line-break calculations.	`\tracingparagraphs`*
extra space above displays following short	lines.	`\abovedisplayshortskip`*
demerits for adjacent incompatible	lines.	`\adjdemerits`*
normal space between	lines.	`\baselineskip`*
extra space just below displays following short	lines.	`\belowdisplayshortskip`*
declaration to center	lines.	`\centering`[L]
demerits for consecutive broken	lines.	`\doublehyphendemerits`*
extra space in badly-stretched	lines.	`\emergencystretch`[3]
indentation changes after specified number of	lines. hanging	`\hangafter`*
additional penalty for page break between	lines.	`\interlinepenalty`*
turn off extra space between	lines.	`\offinterlineskip`
suppress right justification of paragraph	lines.	`\raggedright`
suppress right justification of typewriter font	lines.	`\ttraggedright`
thick lines for	lines and circles.	`\thicklines`[L]
thin lines for	lines and circles.	`\thinlines`[L]
thick	lines for lines and circles.	`\thicklines`[L]
thin	lines for lines and circles.	`\thinlines`[L]
extra space between	lines if `\baselineskip` isn't enough.	`\lineskip`*
force a change to the number of	lines in a paragraph.	`\looseness`*
indent second and subsequent	lines in a paragraph by `\parindent`.	`\hang`
minimum space between	lines in a vertical list.	`\lineskiplimit`*
set width of	lines in picture environment.	`\linethickness`[L]
number of	lines in the last paragraph.	`\prevgraf`*
flush	lines left.	`\raggedright`[L]
penalty for breaking between	lines of a display.	`\interdisplaylinepenalty`
penalty for breaking between	lines of a footnote.	`\interfootnotelinepenalty`
an error message. number of	lines of context to be displayed in	`\errorcontextlines`[3]
flush	lines right.	`\raggedleft`[L]
value of normal	`\lineskip`.	`\normallineskip`
value of normal	`\lineskiplimit`.	`\normallineskiplimit`
penalty at the beginning of a	list.	`\@beginparpenalty`[L]
append a discretionary item to the current	list.	`\discretionary`*
terminate a `\csname` token	list.	`\endcsname`*
penalty at the end of a	list.	`\@endparpenalty`[L]
fetch last box off the current	list.	`\lastbox`*
fetch last kern off the current	list.	`\lastkern`*
fetch last penalty off the current	list.	`\lastpenalty`*
fetch last skip off the current	list.	`\lastskip`*
width of left margin in third-level	list.	`\leftmarginiii`[L]
width of left margin in second-level	list.	`\leftmarginii`[L]
width of left margin in first-level	list.	`\leftmargini`[L]
width of left margin in fourth-level	list.	`\leftmarginiv`[L]

width of left margin in sixth-level	list.	\leftmarginvi^{L}
width of left margin in fifth-level	list.	\leftmarginv^{L}
minimum space between lines in a vertical	list.	\lineskiplimit*
balanced text into a mark item on the current	list. place	\mark*
depth of the last box on the vertical	list.	\prevdepth*
remove last skip on the	list.	\removelastskip
right margin in a	list.	\rightmargin^{L}
un-box an hbox and add it to the horizontal	list.	\unhbox*
a copy of an hbox and add it to the horizontal	list. un-box	\unhcopy*
remove a kern just added to the current	list.	\unkern*
remove a penalty just added to the current	list.	\unpenalty*
remove a skip just added to the current	list.	\unskip*
un-box a vbox and add it to the vertical	list.	\unvbox*
a copy of a vbox and add it to the vertical	list. un-box	\unvcopy*
create a centered vbox in a math	list.	\vcenter*
place a footnote in a caption or other vertical	list.	\vfootnote
give a token	list defining the semantics of a token.	\meaning*
indent before the label in a	list environment.	\itemindent^{L}
start an entry in a	list environment.	\item^{L}
space between successive items in a	list environment.	\itemsep^{L}
label width in a	list environment.	\labelwidth^{L}
left margin of a	list environment.	\leftmargin^{L}
indent second and subsequent paragraphs in a	list environment.	\listparindent^{L}
create item label for a	list environment.	\makelabel^{L}
space between paragraphs within an item in a	list environment.	\parsep^{L}
space between a label and text of a	list item.	\labelsep^{L}
space between first	list item and preceding paragraph.	\topsep^{L}
penalty between	list items.	\@itempenalty^{L}
generate a	list of figures.	\listoffigures^{L}
generate a	list of tables.	\listoftables^{L}
produce a vertical	list of the body of a page.	\pagecontents
an empty	list of tokens.	\empty
adds an entry to the specified	list or table.	\addcontentsline^{L}
use a token	list register.	\toks*
define a name for a token	list register.	\toksdef*
add a box to the vertical	list shifted left.	\moveleft*
add a box to the vertical	list shifted right.	\moveright*
write a token	list to a file.	\write*
begin a new math	list with a left delimiter.	\left*
end a math	list with a right delimiter.	\right*
show the current	lists.	\showlists*
math function:	ln.	\ln
	load a font.	\font*
	load a font.	\load^{L}
default hyphen when a font is	loaded.	\defaulthyphenchar*
math function:	log.	\log
write to the	log file only.	\wlog
math operator:	logical and ($\wedge$).	\land
math operator:	logical not, hook ($\neg$).	\lnot
math symbol:	logical or ($\vee$).	\lor
LaTeX	logo.	\LaTeX^{L}
“TeX”	logo.	\TeX
begin a	loop.	\loop

	end of a	\loop body.	\repeat
	accept	looser line and page breaks.	\sloppy [L]
	current year of our	Lord.	\year [*]
	three	low dots in math mode (...).	\ldots
		lower a box a given distance.	\lower [*]
		lower dot math symbol with special spacing.	\ldotp
		lower left piece of a horizontal brace.	\braceld
		lower right piece of a horizontal brace.	\bracerd
	translate balanced text to	lower-case.	\lowercase [*]
		lower-case code for a character.	\lccode [*]
	display counter as	lower-case letter.	\alph [L]
	display counter as	lower-case Roman numerals.	\roman [L]
	convert a number to	lower-case Roman numerals.	\romannumeral [*]
	define a	macro.	\def [*]
	following macro must not be called from another	macro. the	\outer [*]
	the following	macro definition or register setting is global.	\global [*]
	define a	macro globally.	\gdef [*]
parameters.	the following	macro may have multiple paragraphs as	\long [*]
	the following	macro must not be called from another macro.	\outer [*]
footnotes from text.		macro to draw the rule separating	\footnoterule [L]
	define a	macro with expanded replacement text.	\edef [*]
	define a global	macro with expanded replacement text.	\xdef [*]
		macron or bar accent ($\bar{o}$).	\=
	show	macros as they are expanded.	\tracingmacros [*]
	define font	magnification.	\magstep
	use 11 point	magnification.	\magstephalf
	set the	magnification for the document.	\magnification
		magnification ratio times 1000.	\mag [*]
	maximum depth of boxes on	main pages.	\maxdepth [*]
	space between	main text and footnotes.	\footins [L]
	math symbol:	maps to char ($\mapstochar$).	\mapstochar
	math symbol: long	maps to ($\longmapsto$).	\longmapsto
	math symbol:	maps to ($\mapsto$).	\mapsto
	right	margin in a list.	\rightmargin [L]
	width of left	margin in fifth-level list.	\leftmarginv [L]
	width of left	margin in first-level list.	\leftmargini [L]
	width of left	margin in fourth-level list.	\leftmarginiv [L]
	width of left	margin in second-level list.	\leftmarginii [L]
	width of left	margin in sixth-level list.	\leftmarginvi [L]
	width of left	margin in third-level list.	\leftmarginiii [L]
	left	margin of a list environment.	\leftmargin [L]
	left hand	margin on even pages.	\evensidemargin [L]
	left hand	margin on odd pages.	\oddsidemargin [L]
	unindents left	margin one tab stop in tabbing environment.	\- [L]
	indents left	margin one tab stop in tabbing environment.	\+ [L]
	produce a	marginal note.	\marginpar [L]
	distance between	marginal note and text.	\marginparsep [L]
	vertical space between	marginal notes.	\marginparpush [L]
	width of	marginal notes.	\marginparwidth [L]
page.	put	marginal notes on opposite side of	\reversemarginpar [L]
	increase left and right	margins by \parindent.	\narrower
	produce footnote text without a	mark.	\footnotetext [L]
		mark denoting fifth-level items.	\labelitemv [L]

	mark denoting first-level items.	\labelitemi[L]
	mark denoting fourth-level items.	\labelitemiv[L]
	mark denoting second-level items.	\labelitemii[L]
	mark denoting sixth-level items.	\labelitemvi[L]
	mark denoting third-level items.	\labelitemiii[L]
place balanced text into a	mark item on the current list.	\mark*
pound, hatch	mark, sharp sign, octothorpe (#).	\#
box.	mark text first encountered in a split	\splitfirstmark*
boxed.	mark text first encountered on page just	\firstmark*
	mark text last encountered in a split box.	\splitbotmark*
boxed.	mark text last encountered on page just	\botmark*
subdivision.	mark the beginning of a major	\beginsection
insert a footnote	mark without text.	\footnotemark[L]
by which delimiters can fail to span included	material. amount	\delimitershortfall*
create a box with horizontal mode	material.	\hbox*
create a box with vertical mode	material.	\vbox*
use in-text style for	math.	\textstyle*
	math accent: acute ($\acute{x}$).	\acute
	math accent: bar ($\bar{x}$).	\bar
	math accent: bar under ($\underline{x}$).	\b
	math accent: breve ($\breve{x}$).	\breve
	math accent: check ($\check{x}$).	\check
	math accent: dot ($\dot{x}$).	\dot
	math accent: double dot ($\ddot{x}$).	\ddot
	math accent: grave ($\grave{x}$).	\grave
	math accent: hat ($\hat{x}$).	\hat
	math accent: tilde ($\tilde{x}$).	\tilde
	math accent: vector ($\vec{x}$).	\vec
	math accent: wide hat ($\widehat{x}$).	\widehat
	math accent: wide tilde ($\widetilde{x}$).	\widetilde
tokens to insert when display	math begins.	\everydisplay*
	math binary operator: join or V ($\vee$).	\vee
	math binary operator: operator ($\wedge$).	\wedge
	math binary operator: wreath product ($\wr$).	\wr
define a name for a	math character.	\mathchardef*
specify a	math character code.	\mathchar*
set a	math character's processing category type.	\mathcode*
2.5-line left	math delimiter.	\Biggl
2-line left	math delimiter.	\biggl
2.5-line middle	math delimiter.	\Biggm
2-line middle	math delimiter.	\biggm
2.5-line right	math delimiter.	\Biggr
2-line right	math delimiter.	\biggr
1.5-line left	math delimiter.	\Bigl
1-line left	math delimiter.	\bigl
1.5-line middle	math delimiter.	\Bigm
1-line middle	math delimiter.	\bigm
1.5-line right	math delimiter.	\Bigr
1-line right	math delimiter.	\bigr
	math delimiter: backslash ($\backslash$).	\backslash
	math delimiter: double vertical bar ($\Vert$).	\Vert
	math delimiter: left angle bracket ($\langle$).	\langle
	math delimiter: left bracket ([).	\lbrack

	math delimiter: left ceiling bracket (⌈).	\lceil
	math delimiter: left curly brace ({).	\lbrace
	math delimiter: left floor bracket (⌊).	\lfloor
	math delimiter: left group ($\Big($).	\lgroup
	math delimiter: right angle bracket (⟩).	\rangle
	math delimiter: right bracket (]).	\rbrack
	math delimiter: right ceiling bracket (⌉). ...	\rceil
	math delimiter: right curly brace (}).	\rbrace
	math delimiter: right floor (⌋).	\rfloor
	math delimiter: right group ($\Big)$).	\rgroup
1.5-line	math delimiter size.	\Big
1-line	math delimiter size.	\big
2.5-line	math delimiter size.	\Bigg
2-line	math delimiter size.	\bigg
	math delimiter: up-and-down arrow (↕).	\updownarrow
	math delimiter: upward arrow (↑).	\uparrow
	math delimiter: vertical bar (|).	\vert
begin theorem with special format in	math environment.	\proclaim
10 point	math extension symbol font.	\tenex
place an accent over the next	math field.	\mathaccent*
put a	math field under a radical.	\radical*
colon in a	math formula.	\colon
horizontal brace over a	math formula.	\overbrace
left arrow over a	math formula.	\overleftarrow
right arrow over a	math formula.	\overrightarrow
horizontal brace under a	math formula.	\underbrace
choose a	math formula based on the current style.	\mathchoice*
medium space in	math formulas.	\medmuskip*
thick space in	math formulas.	\thickmuskip*
thin space in	math formulas.	\thinmuskip*
	math function: arc cosine.	\arccos
	math function: arc sine.	\arcsin
	math function: arc tangent.	\arctan
	math function: arg.	\arg
	math function: cosecant.	\csc
	math function: cosine.	\cos
	math function: cotangent.	\cot
	math function: degree of a polynomial (deg).	\deg
	math function: det.	\det
	math function: dim.	\dim
	math function: exp.	\exp
	math function: gcd.	\gcd
	math function: hom.	\hom
	math function: hyperbolic cosine.	\cosh
	math function: hyperbolic cotangent.	\coth
	math function: hyperbolic sine.	\sinh
	math function: hyperbolic tangent.	\tanh
	math function: inf.	\inf
	math function: ker.	\ker
	math function: lg.	\lg
	math function: lim.	\lim
	math function: limit infimum ($liminf$).	\liminf

	math function: limit supremum (*limsup*).	`\limsup`
	math function: ln.	`\ln`
	math function: log.	`\log`
	math function: max.	`\max`
	math function: min.	`\min`
((mod)).	math function: mod within parentheses	`\pmod`
	math function: probability (Pr).	`\Pr`
	math function: secant.	`\sec`
	math function: sine.	`\sin`
	math function: sup.	`\sup`
	math function: tangent.	`\tan`
	math Greek letter: alpha (α).	`\alpha`
	math Greek letter: beta (β).	`\beta`
	math Greek letter: capital delta (Δ).	`\Delta`
	math Greek letter: capital gamma (Γ).	`\Gamma`
	math Greek letter: capital lambda (Λ).	`\Lambda`
	math Greek letter: capital omega (Ω).	`\Omega`
	math Greek letter: capital phi (Φ).	`\Phi`
	math Greek letter: capital pi (Π).	`\Pi`
	math Greek letter: capital psi (Ψ).	`\Psi`
	math Greek letter: capital sigma (Σ).	`\Sigma`
	math Greek letter: capital theta (Θ).	`\Theta`
	math Greek letter: capital upsilon (Υ).	`\Upsilon`
	math Greek letter: capital xi (Ξ).	`\Xi`
	math Greek letter: chi (χ).	`\chi`
	math Greek letter: delta (δ).	`\delta`
	math Greek letter: epsilon (ϵ).	`\epsilon`
	math Greek letter: eta (η).	`\eta`
	math Greek letter: gamma (γ).	`\gamma`
	math Greek letter: kappa (κ).	`\kappa`
	math Greek letter: lambda (λ).	`\lambda`
	math Greek letter: mu (μ).	`\mu`
	math Greek letter: nu (ν).	`\nu`
	math Greek letter: omega (ω).	`\omega`
	math Greek letter: phi (ϕ).	`\phi`
	math Greek letter: pi (π).	`\pi`
	math Greek letter: psi (ψ).	`\psi`
	math Greek letter: rho (ρ).	`\rho`
	math Greek letter: sigma (σ).	`\sigma`
	math Greek letter: tau (τ).	`\tau`
	math Greek letter: theta (θ).	`\theta`
	math Greek letter: upsilon (υ).	`\upsilon`
	math Greek letter: variant epsilon (ε).	`\varepsilon`
	math Greek letter: variant phi (φ).	`\varphi`
	math Greek letter: variant pi (ϖ).	`\varpi`
	math Greek letter: variant rho (ϱ).	`\varrho`
	math Greek letter: variant sigma (ς).	`\varsigma`
	math Greek letter: variant theta (ϑ).	`\vartheta`
	math Greek letter: xi (ξ).	`\xi`
	math Greek letter: zeta (ζ).	`\zeta`
define kerning around	math in text.	`\mathsurround`[*]
tokens to insert when	math in text begins.	`\everymath`[*]
select bold	math italic and symbol fonts.	`\boldmath`[L]

unselect bold	math italic and symbol fonts.	\unboldmath[L]
8 point	math italic font.	\egtmi[L]
11 point	math italic font.	\elvmi[L]
5 point	math italic font.	\fivei
5 point	math italic font.	\fivmi[L]
14 point	math italic font.	\frtnmi[L]
9 point	math italic font.	\ninmi[L]
7 point	math italic font.	\seveni
7 point	math italic font.	\sevmi[L]
6 point	math italic font.	\sixmi[L]
17 point	math italic font.	\svtnmi[L]
10 point	math italic font.	\teni
10 point	math italic font.	\tenmi[L]
12 point	math italic font.	\twlmi[L]
20 point	math italic font.	\twtymi[L]
	math join operator: large V ($\bigvee$).	\bigvee
place	math limits above and below math operators.	\limits[*]
create a centered vbox in a	math list.	\vcenter[*]
begin a new	math list with a left delimiter.	\left[*]
end a	math list with a right delimiter.	\right[*]
	math meet operator: large wedge ($\bigwedge$).	\bigwedge
medium space in	math mode.	\>
centered dot with special spacing in	math mode.	\cdotp
define a delimiter for	math mode.	\delimiter[*]
enter	math mode.	$[*]
enter display	math mode.	$$[*]
an ellipsis, equivalent to `\ldots` in	math mode.	\dots
test for	math mode.	\ifmmode[*]
begin	math mode.	\([L]
begin display	math mode.	\[[L]
end	math mode.	\)[L]
end display	math mode.	\][L]
medium space in	math mode.	\:[L]
kern in	math mode.	\mkern[*]
insert horizontal space in	math mode.	\mskip[*]
increase line separation in	math mode.	\openup
	math mode calligraphic letters font.	\cal
three centered dots in	math mode ($\cdots$).	\cdots
unbreakable tiny negative	math mode horizontal space.	\negthinspace
	math mode italic font.	\mit
three low dots in	math mode ($\ldots$).	\ldots
	math mode negative thin space.	\!
three diagonal dots in	math mode ($\ddots$).	\ddots
define a binary	math operator.	\mathbin[*]
define a large	math operator.	\mathop[*]
define an ordinary	math operator.	\mathord[*]
	math operator: amalgamated sum, co-product (II).	\amalg
	math operator: asterisk ($\ast$).	\ast
	math operator: binary modulo (mod).	\bmod
	math operator: bullet ($\bullet$).	\bullet
	math operator: centered dot ($\cdot$).	\cdot
	math operator: circle ($\circ$).	\circ
	math operator: circle dot ($\odot$).	\odot

	math operator: circle minus ($\ominus$).	\ominus
	math operator: circle slash ($\oslash$).	\oslash
	math operator: contour integral ($\oint$).	\oint
	math operator: dagger ($\dagger$).	\dagger
	math operator: diamond ($\diamond$).	\diamond
	math operator: direct sum, circle plus ($\oplus$).	\oplus
	math operator: discretionary multiply sign.	*
	math operator: div.	\div
	math operator: double dagger ($\ddagger$).	\ddagger
	math operator: integral ($\int$).	\int
	math operator: intersection or cap ($\cap$).	\cap
	math operator: large cap ($\bigcap$).	\bigcap
	math operator: large circle ($\bigcirc$).	\bigcirc
	math operator: large circle with dot ($\bigodot$).	\bigodot
	math operator: large circle with plus ($\bigoplus$).	\bigoplus
	math operator: large circle with times ($\bigotimes$).	\bigotimes
	math operator: large co-product ($\coprod$).	\coprod
	math operator: large cup ($\bigcup$).	\bigcup
($\bigtriangledown$).	math operator: large down triangle	\bigtriangledown
	math operator: large product ($\prod$).	\prod
	math operator: large square cup ($\bigsqcup$).	\bigsqcup
	math operator: large sum ($\sum$).	\sum
	math operator: large U plus ($\biguplus$).	\biguplus
	math operator: large up triangle ($\bigtriangleup$).	\bigtriangleup
	math operator: left triangle ($\triangleleft$).	\triangleleft
	math operator: logical and ($\land$).	\land
	math operator: logical not, hook ($\lnot$).	\lnot
	math operator: minus plus ($\mp$).	\mp
	math operator: negate ($\neg$).	\neg
	math operator: not in ($\notin$).	\notin
	math operator: not (/).	\not
	math operator: plus or minus ($\pm$).	\pm
	math operator: right triangle ($\triangleright$).	\triangleright
	math operator: set minus ($\setminus$).	\setminus
	math operator: small integral ($\smallint$).	\smallint
	math operator: square cap ($\sqcap$).	\sqcap
	math operator: square cup ($\sqcup$).	\sqcup
	math operator: star ($\star$).	\star
($\otimes$).	math operator: tensor product, circle times	\otimes
	math operator: times ($\times$).	\times
	math operator: U plus ($\uplus$).	\uplus
	math operator: union or cup ($\cup$).	\cup
restore default limit placement on large	math operators.	\displaylimits*
place math limits above and below	math operators.	\limits*
place superscripts and subscripts after	math operators.	\nolimits*
define a	math punctuation operator.	\mathpunct*
penalty for line break after	math relation.	\relpenalty*
	math relation: approximately equal ($\approx$).	\approx
	math relation: asymptote ($\asymp$).	\asymp
	math relation: bowtie ($\bowtie$).	\bowtie
	math relation: congruent ($\cong$).	\cong
	math relation: contains ($\ni$).	\ni
	math relation: dash V ($\dashv$).	\dashv

	math relation: dash ($\vdash$).	\vdash
	math relation: dotted equal ($\doteq$).	\doteq
	math relation: equivalence ($\equiv$).	\equiv
	math relation: frown ($\frown$).	\frown
	math relation: gets ($\gets$).	\gets
	math relation: greater or equal ($\ge$).	\ge
	math relation: greater or equal ($\geq$).	\geq
	math relation: if and only if ($\iff$).	\iff
	math relation: in ($\in$).	\in
	math relation: less or equal ($\le$).	\le
	math relation: less or equal ($\leq$).	\leq
	math relation: mid ($\mid$).	\mid
	math relation: models ($\models$).	\models
	math relation: much greater ($\gg$).	\gg
	math relation: much less ($\ll$).	\ll
	math relation: not equal ($\ne$).	\ne
	math relation: not equal ($\neq$).	\neq
	math relation: not equal ($\not=$).	\not=
define a	math relation operator.	\mathrel*
	math relation: owns ($\owns$).	\owns
	math relation: parallel ($\parallel$).	\parallel
	math relation: perpendicular ($\perp$).	\perp
	math relation: precedes or equal ($\preceq$).	\preceq
	math relation: precedes ($\prec$).	\prec
	math relation: proportional to ($\propto$).	\propto
	math relation: similar or equal ($\simeq$).	\simeq
	math relation: similar ($\sim$).	\sim
	math relation: smile ($\smile$).	\smile
	math relation: square subset or equal ($\sqsubseteq$).	\sqsubseteq
($\sqsupseteq$).	math relation: square superset or equal .	\sqsupseteq
	math relation: subset or equal ($\subseteq$).	\subseteq
	math relation: subset ($\subset$).	\subset
	math relation: successor or equal ($\succeq$).	\succeq
	math relation: successor ($\succ$).	\succ
	math relation: superset or equal ($\supseteq$).	\supseteq
	math relation: superset ($\supset$).	\supset
	math relation: to ($\to$).	\to
put symbols over	math relations.	\buildrel
use normal	math script style.	\displaystyle*
use very small	math script style.	\scriptscriptstyle*
use small	math script style.	\scriptstyle*
select font for small	math scripts.	\scriptfont*
select font for very small	math scripts.	\scriptscriptfont*
	math skip register.	\muskip*
define a name for a	math skip register.	\muskipdef*
allocate a new	math skip register.	\newmuskip
next item. select	math spacing of a closing delimiter for the	\mathclose*
next item. select	math spacing of an opening delimiter for the	\mathopen*
parentheses.	math strut with height and depth of	\mathstrut
define an inner	math subformula.	\mathinner*
	math symbol: aleph ($\aleph$).	\aleph
	math symbol: bottom ($\bot$).	\bot
	math symbol: box ($\Box$).	\Box L

	math symbol: club suit ($\clubsuit$).	`\clubsuit`
	math symbol: diamond ($\Diamond$).	`\Diamond` [L]
	math symbol: diamond suit ($\diamondsuit$).	`\diamondsuit`
	math symbol: dotless i ($\imath$).	`\imath`
	math symbol: dotless j ($\jmath$).	`\jmath`
	math symbol: double relation bar ($=$).	`\Relbar`
	math symbol: double vertical bar ($\Big\Vert$).	`\Arrowvert`
	math symbol: down arrow ($\downarrow$).	`\downarrow`
	math symbol: downward double arrow ($\Downarrow$).	`\Downarrow`
	math symbol: empty set ($\emptyset$).	`\emptyset`
	math symbol: exists quantifier ($\exists$).	`\exists`
	math symbol: flat ($\flat$).	`\flat`
8 point	math symbol font.	`\egtsy` [L]
11 point	math symbol font.	`\elvsy` [L]
5 point	math symbol font.	`\fivesy`
5 point	math symbol font.	`\fivsy` [L]
14 point	math symbol font.	`\frtnsy` [L]
9 point	math symbol font.	`\ninsy` [L]
7 point	math symbol font.	`\sevensy`
7 point	math symbol font.	`\sevsy` [L]
6 point	math symbol font.	`\sixsy` [L]
17 point	math symbol font.	`\svtnsy` [L]
10 point	math symbol font.	`\tensy`
12 point	math symbol font.	`\twlsy` [L]
20 point	math symbol font.	`\twtysy` [L]
	math symbol: for-all quantifier ($\forall$).	`\forall`
	math symbol: heart suit ($\heartsuit$).	`\heartsuit`
	math symbol: hook left arrow ($\hookleftarrow$).	`\hookleftarrow`
	math symbol: hook right arrow ($\hookrightarrow$).	`\hookrightarrow`
	math symbol: imaginary, Fraktur I ($\Im$).	`\Im`
	math symbol: infinity (∞).	`\infty`
	math symbol: iota (ι).	`\iota`
	math symbol: join ($\Join$).	`\Join` [L]
	math symbol: leads to ($\leadsto$).	`\leadsto` [L]
	math symbol: left arrow ($\leftarrow$).	`\leftarrow`
	math symbol: left double arrow ($\Leftarrow$).	`\Leftarrow`
	math symbol: left half diamond ($\lhd$).	`\lhd` [L]
($\leftharpoondown$).	math symbol: left harpoon down	`\leftharpoondown`
	math symbol: left harpoon up ($\leftharpoonup$).	`\leftharpoonup`
	math symbol: left hook ($\lhook$).	`\lhook`
	math symbol: left moustache ($\lmoustache$).	`\lmoustache`
	math symbol: left quote (‘).	`\lq`
	math symbol: left-right arrow ($\leftrightarrow$).	`\leftrightarrow`
($\Leftrightarrow$).	math symbol: left-right double arrow	`\Leftrightarrow`
	math symbol: logical or ($\lor$).	`\lor`
arrow ($\longleftrightarrow$).	math symbol: long left and right	`\longleftrightarrow`
	math symbol: long left arrow ($\longleftarrow$).	`\longleftarrow`
($\Longleftarrow$).	math symbol: long left double arrow	`\Longleftarrow`
double arrow ($\Longleftrightarrow$).	math symbol: long left-right	`\Longleftrightarrow`
	math symbol: long maps to ($\longmapsto$).	`\longmapsto`
	math symbol: long right arrow ($\longrightarrow$).	`\longrightarrow`
($\Longrightarrow$).	math symbol: long right double arrow	`\Longrightarrow`

math symbol: maps to char ($\mapstochar$). . . . . \mapstochar
math symbol: maps to ($\mapsto$). . . . . \mapsto
math symbol: mho ($\mho$). . . . . \mho [L]
math symbol: nabla (∇). . . . . \nabla
math symbol: natural ($\natural$). . . . . \natural
math symbol: northeast arrow ($\nearrow$). . . . . \nearrow
math symbol: northwest arrow ($\nwarrow$). . . . . \nwarrow
math symbol: paragraph (¶). . . . . \P
math symbol: partial (∂). . . . . \partial
math symbol: Planck's constant or h-bar ($\hbar$). \hbar
math symbol: prime (x'). . . . . \prime
math symbol: real, Fraktur R ($\Re$). . . . . \Re
math symbol: relation bar ($-$). . . . . \relbar
math symbol: right arrow ($\rightarrow$). . . . . \rightarrow
math symbol: right double arrow ($\Rightarrow$). . . \Rightarrow
math symbol: right half diamond ($\rhd$). . . . . . \rhd [L]
($\rightharpoondown$). math symbol: right harpoon down \rightharpoondown
math symbol: right harpoon up ($\rightharpoonup$). \rightharpoonup
math symbol: right hook ($\rhook$). . . . . \rhook
($\rightleftharpoons$). math symbol: right left harpoon \rightleftharpoons
math symbol: right moustache ($\rmoustache$). . . . . . \rmoustache
math symbol: section (§). . . . . \S
math symbol: sharp ($\sharp$). \sharp
math symbol: small script L (ℓ). . . . . \ell
math symbol: southeast arrow ($\searrow$). . . . . \searrow
math symbol: southwest arrow ($\swarrow$). . . . . \swarrow
math symbol: spade suit ($\spadesuit$). . . . . \spadesuit
math symbol: square subset ($\sqsubset$). . . . . \sqsubset [L]
math symbol: square superset ($\sqsupset$). . . . . \sqsupset [L]
math symbol: surd ($\surd$). \surd
math symbol: top ($\top$). . . . . \top
math symbol: triangle ($\triangle$). . . . . \triangle
($\unlhd$). math symbol: underlined left half diamond . \unlhd [L]
($\unrhd$). math symbol: underlined right half diamond \unrhd [L]
($\Updownarrow$). math symbol: up-and-down double arrow \Updownarrow
math symbol: upward double arrow ($\Uparrow$). . . . \Uparrow
math symbol: vertical bar ($\Big|$). . . . . \arrowvert
math symbol: vertical bar ($\|$). . . . . \|
math symbol: vertical dots ($\vdots$). . . . . \vdots
math symbol: Weierstrass p ($\wp$). . . . . \wp
lower dot math symbol with special spacing. . . . . \ldotp
internal Plain TeX operation to define math text symbols. . . . . \mathhexbox
generate a matrix labeled on rows and columns. . \bordermatrix
generate a matrix with a left brace delimiter. . . . . \cases
generate a matrix with parentheses delimiters. . . . . \pmatrix
generate a matrix without delimiters. . . . . \matrix
math function: max. . . . . \max
maximum box depth shown. . . . . \showboxdepth *
given depth. maximum boxed items shown at a . . \showboxbreadth *
maximum depth of boxes in a split box. \splitmaxdepth *
pages. maximum depth of boxes on explicit . . . \boxmaxdepth *
maximum depth of boxes on main pages. . . \maxdepth *

messages occur.	maximum overrun before overfull hbox	`\hfuzz` [*]
	maximum overrun before overfull vbox error.	`\vfuzz` [*]
restores a carriage return to its usual	meaning.	`\restorecr` [L]
vertical skip a	medium amount.	`\medskip` [L]
breakable	medium horizontal skip.	`\quad`
	medium space in math formulas.	`\medmuskip` [*]
	medium space in math mode.	`\>`
	medium space in math mode.	`\:` [L]
	medium vertical space.	`\medskip`
	medium vertical space or a good page break.	`\medbreak`
	`\medskip` space.	`\medskipamount`
math	meet operator: large wedge ($\bigwedge$).	`\bigwedge`
show statistics about	memory usage.	`\tracingstats` [*]
of lines of context to be displayed in an error	message. number	`\errorcontextlines` [3]
define a new help	message.	`\newhelp`
write a	message on the terminal.	`\typeout` [L]
help	message to display if user asks for help.	`\errhelp` [*]
write balanced error	message to the terminal.	`\errmessage` [*]
maximum overrun before overfull hbox	messages occur.	`\hfuzz` [*]
math symbol:	mho ($\mho$).	`\mho` [L]
math relation:	mid ($\mid$).	`\mid`
2.5-line	middle math delimiter.	`\Biggm`
2-line	middle math delimiter.	`\biggm`
1.5-line	middle math delimiter.	`\Bigm`
1-line	middle math delimiter.	`\bigm`
vertical space around a float in the	middle of a page.	`\intextsep` [L]
math function:	min.	`\min`
after hyphenation at the end of a word.	minimum number of characters	`\righthyphenposition` [3]
before hyphenation at the start of a word.	minimum number of characters	`\lefthyphenposition` [3]
vertical list.	minimum space between lines in a ...	`\lineskiplimit` [*]
math operator: circle	minus ($\ominus$).	`\ominus`
math operator:	minus plus ($\mp$).	`\mp`
math operator: plus or	minus ($\pm$).	`\pm`
math operator: set	minus ($\setminus$).	`\setminus`
math function:	mod within parentheses ((mod)).	`\pmod`
medium space in math	mode.	`\>`
thick space (math	mode).	`\;`
thin space (math	mode).	`\,`
centered dot with special spacing in math	mode.	`\cdotp`
define a delimiter for math	mode.	`\delimiter` [*]
enter math	mode.	`$` [*]
enter display math	mode.	`$$` [*]
an ellipsis, equivalent to `\ldots` in math	mode.	`\dots`
test for horizontal	mode.	`\ifhmode` [*]
test for an internal	mode.	`\ifinner` [*]
test for math	mode.	`\ifmmode` [*]
test for vertical	mode.	`\ifvmode` [*]
begin display math	mode.	`\[` [L]
begin math	mode.	`\(` [L]
end display math	mode.	`\]` [L]
end math	mode.	`\)` [L]
medium space in math	mode.	`\:` [L]
switch to horizontal mode from vertical	mode.	`\leavevmode`

kern in math	mode.	\mkern*
insert horizontal space in math	mode.	\mskip*
increase line separation in math	mode.	\openup
math	mode calligraphic letters font.	\cal
three centered dots in math	mode $(\cdots)$.	\cdots
switch to horizontal	mode from vertical mode.	\leavevmode
unbreakable tiny negative math	mode horizontal space.	\negthinspace
math	mode italic font.	\mit
three low dots in math	mode $(\ldots)$.	\ldots
create a box with horizontal	mode material.	\hbox*
create a box with vertical	mode material.	\vbox*
create a box with vertical	mode material with the baseline at the top.	\vtop*
math	mode negative thin space.	\!
three diagonal dots in math	mode $(\ddots)$.	\ddots
math relation:	models $(\models)$.	\models
math operator: binary	modulo (mod).	\bmod
current day of the	month.	\day*
current	month of the year.	\month*
math symbol: left	moustache $(\lmoustache)$.	\lmoustache
math symbol: right	moustache $(\rmoustache)$.	\rmoustache
environment.	move to next tab position in tabbing	\>[L]
protect fragile commands and	moving arguments.	\protect[L]
math Greek letter:	mu (μ).	\mu
math relation:	much greater $(\gg)$.	\gg
math relation:	much less $(\ll)$.	\ll
create a	multicolumn entry in an aligned table.	\span*
environment.	multicolumn entry in array or tabular	\multicolumn[L]
environment.	multicolumn line in array or tabular	\cline[L]
	multiple of normal \baselineskip.	\baselinestretch[L]
the following macro may have	multiple paragraphs as parameters.	\long*
	multiply a register by a value.	\multiply*
math operator: discretionary	multiply sign.	*
math symbol:	nabla (∇).	\nabla
begin expanding tokens to construct a command	name.	\csname*
use a	named box.	\usebox[L]
justify page bottoms to their	natural height.	\raggedbottom[L]
	natural height of page so far.	\pagetotal*
math symbol:	natural $(\natural)$.	\natural
math operator:	negate $(\neg)$.	\neg
unbreakable tiny	negative math mode horizontal space.	\negthinspace
math mode	negative thin space.	\!
insert a token after the	next assignment command.	\afterassignment*
put an accent over the	next character.	\accent*
test the	next character.	\@ifnextchar[L]
select math spacing of a closing delimiter for the	next item.	\mathclose*
math spacing of an opening delimiter for the	next item. select	\mathopen*
place an accent over the	next math field.	\mathaccent*
move to	next tab position in tabbing environment.	\>[L]
expand the token following the	next token.	\expandafter*
suppress interline space before	next vertical box.	\nointerlineskip
commands. set @	non-alphabetic to hide internal	\makeatother[L]
select font for	non-math text.	\textfont*

tokens to insert after every \cr or	nonredundant \crcr.	\everycr[*]
read, expand, then ignore tokens until a	non-space is found.	\ignorespaces[*]
multiple of	normal \baselineskip.	\baselinestretch[L]
	normal \baselineskip.	\normalbaselineskip
process TeX input without pausing for	normal errors.	\scrollmode[*]
input. pause for	normal errors while processing TeX	\errorstopmode[*]
select	normal font size.	\normalsize[L]
value of	normal \lineskip.	\normallineskip
value of	normal \lineskiplimit.	\normallineskiplimit
use	normal math script style.	\displaystyle[*]
select font four steps larger than	normal size.	\huge[L]
select font one step larger than	normal size.	\large[L]
select font three steps larger than	normal size.	\LARGE[L]
select font two steps larger than	normal size.	\Large[L]
	normal space between lines.	\baselineskip[*]
set line spacing to	normal values.	\normalbaselines
math symbol:	northeast arrow ($\nearrow$).	\nearrow
math symbol:	northwest arrow ($\nwarrow$).	\nwarrow
	Norwegian letter: capital o with slash (Ø).	\O
	Norwegian letter: o with slash (ø).	\o
the following macro must	not be called from another macro.	\outer[*]
math relation:	not equal ($\neq$).	\ne
math relation:	not equal ($\neq$).	\neq
math relation:	not equal ($\neq$).	\not=
math operator: logical	not, hook ($\neg$).	\lnot
math operator:	not in ($\notin$).	\notin
show characters	not in the font.	\tracinglostchars[*]
math operator:	not ($/$).	\not
produce a marginal	note.	\marginpar[L]
distance between marginal	note and text.	\marginparsep[L]
vertical space between marginal	notes.	\marginparpush[L]
width of marginal	notes.	\marginparwidth[L]
put marginal	notes on opposite side of page.	\reversemarginpar[L]
do	nothing.	\relax[*]
math Greek letter:	nu (ν).	\nu
width of a	null delimiter.	\nulldelimiterspace[*]
most recently allocated register	number.	\allocationnumber
equation	number.	\eqno[*]
current family	number.	\fam[*]
typeset page	number.	\folio
left equation	number.	\leqno[*]
current page	number.	\pageno
produces the footnote	number.	\thefootnote[L]
current page	number.	\thepage[L]
produce a	numbered caption.	\caption[L]
suppress	numbering of displayed equations.	\nonumber[L]
specify page	numbering style.	\pagenumbering[L]
align a stack of equations with equation	numbers.	\eqalignno
align a stack of equations with left equation	numbers.	\leqalignno
suppress page	numbers.	\nopagenumbers
display counter as Arabic	numerals.	\arabic[L]
display counter as lower-case Roman	numerals.	\roman[L]
display counter as upper-case Roman	numerals.	\Roman[L]

convert a number to lower-case Roman	numerals.	`\romannumeral`*
select old-style	numerals with descenders.	`\oldstyle`
specify a character by its	numeric code.	`\char`*
convert a	numeric register to displayable form.	`\the`*
Norwegian letter:	o with slash (ø).	`\o`
Norwegian letter: capital	o with slash (Ø).	`\O`
place several copies of a picture	object.	`\multiput`L
place a picture	object.	`\put`L
portion of page that may be	occupied by floats.	`\floatpagefraction`L
maximum overrun before overfull hbox messages	occur.	`\hfuzz`*
pound, hatch mark, sharp sign,	octothorpe (#).	`\#`
test for	odd integer.	`\ifodd`*
left hand margin on	odd pages.	`\oddsidemargin`L
ligature digraph symbol	oe (œ).	`\oe`
ligature digraph symbol capital	OE (Œ).	`\OE`
horizontal	offset of a page.	`\hoffset`*
vertical	offset of a page.	`\voffset`*
select	old-style numerals with descenders.	`\oldstyle`
math Greek letter:	omega (ω).	`\omega`
math Greek letter: capital	omega (Ω).	`\Omega`
advance `\pageno` by	one.	`\advancepageno`
terminate TEX and write a format file: INITEX	only.	`\dump`*
write to the log file	only.	`\wlog`
select math spacing of an	opening delimiter for the next item.	`\mathopen`*
unit of measure for	opening up displays.	`\jot`
penalty for line break after binary	operation.	`\binoppenalty`*
internal Plain TEX	operation to define math text symbols.	`\mathhexbox`
define a binary math	operator.	`\mathbin`*
define a large math	operator.	`\mathop`*
define an ordinary math	operator.	`\mathord`*
define a math punctuation	operator.	`\mathpunct`*
define a math relation	operator.	`\mathrel`*
math	operator: amalgamated sum, co-product ($\amalg$).	`\amalg`
math	operator: asterisk ($\ast$).	`\ast`
math	operator: binary modulo (mod).	`\bmod`
math	operator: bullet ($\bullet$).	`\bullet`
math	operator: centered dot ($\cdot$).	`\cdot`
math	operator: circle ($\circ$).	`\circ`
math	operator: circle dot ($\odot$).	`\odot`
math	operator: circle minus ($\ominus$).	`\ominus`
math	operator: circle slash ($\oslash$).	`\oslash`
math	operator: contour integral ($\oint$).	`\oint`
math	operator: dagger ($\dagger$).	`\dagger`
math	operator: diamond ($\diamond$).	`\diamond`
math	operator: direct sum, circle plus ($\oplus$).	`\oplus`
math	operator: discretionary multiply sign.	`\*`
math	operator: div.	`\div`
math	operator: double dagger ($\ddagger$).	`\ddagger`
math	operator: integral ($\int$).	`\int`
math	operator: intersection or cap ($\cap$).	`\cap`
math binary	operator: join or V ($\vee$).	`\vee`
math	operator: large cap ($\bigcap$).	`\bigcap`
math	operator: large circle ($\bigcirc$).	`\bigcirc`

math	operator: large circle with dot ($\bigodot$).	\bigodot
math	operator: large circle with plus ($\bigoplus$).	\bigoplus
math	operator: large circle with times ($\bigotimes$).	\bigotimes
math	operator: large co-product ($\coprod$).	\coprod
math	operator: large cup ($\bigcup$).	\bigcup
math	operator: large down triangle ($\bigtriangledown$).	\bigtriangledown
math	operator: large product ($\prod$).	\prod
math	operator: large square cup ($\bigsqcup$).	\bigsqcup
math	operator: large sum ($\sum$).	\sum
math	operator: large U plus ($\biguplus$).	\biguplus
math	operator: large up triangle ($\bigtriangleup$).	\bigtriangleup
math join	operator: large V ($\bigvee$).	\bigvee
math meet	operator: large wedge ($\bigwedge$).	\bigwedge
math	operator: left triangle ($\triangleleft$).	\triangleleft
math	operator: logical and ($\land$).	\land
math	operator: logical not, hook ($\neg$).	\lnot
math	operator: minus plus ($\mp$).	\mp
math	operator: negate ($\neg$).	\neg
math	operator: not in ($\notin$).	\notin
math	operator: not ($/$).	\not
math binary	operator: operator ($\wedge$).	\wedge
math	operator: plus or minus ($\pm$).	\pm
math	operator: right triangle ($\triangleright$).	\triangleright
math	operator: set minus ($\setminus$).	\setminus
math	operator: small integral ($\smallint$).	\smallint
math	operator: square cap ($\sqcap$).	\sqcap
math	operator: square cup ($\sqcup$).	\sqcup
math	operator: star ($\star$).	\star
math	operator: tensor product, circle times ($\otimes$).	\otimes
math	operator: times ($\times$).	\times
math	operator: U plus ($\uplus$).	\uplus
math	operator: union or cup ($\cup$).	\cup
math binary operator:	operator ($\wedge$).	\wedge
math binary	operator: wreath product ($\wr$).	\wr
restore default limit placement on large math	operators.	\displaylimits*
place math limits above and below math	operators.	\limits*
place superscripts and subscripts after math	operators.	\nolimits*
put marginal notes on	opposite side of page.	\reversemarginpar[L]
declare document style and	options.	\documentstyle[L]
define an	ordinary math operator.	\mathord*
begin a tabbed line in an	outer environment.	\+
open a file for	output.	\openout*
close an	output file.	\closeout*
allocate a new	output file.	\newwrite
character that starts a new	output line in a write statement.	\newlinechar*
escape character in the	output of control sequence tokens.	\escapechar*
trace	output processing.	\showoutput[L]
define the page	output routine.	\output*
default Plain	output routine.	\plainoutput
upper bound on	output routine calls.	\maxdeadcycles*
number of	output routine calls since last \shipout.	\deadcycles*
	oval in a picture environment.	\oval[L]
draw a line	over a formula.	\overline*

horizontal brace	over a math formula.	`\overbrace`
left arrow	over a math formula.	`\overleftarrow`
right arrow	over a math formula.	`\overrightarrow`
inhibit a page break	over a region.	`\samepage` [L]
put symbols	over math relations.	`\buildrel`
put an accent	over the next character.	`\accent` [*]
place an accent	over the next math field.	`\mathaccent` [*]
width of rules appended to	overfull boxes.	`\overfullrule` [*]
maximum overrun before	overfull hbox messages occur.	`\hfuzz` [*]
maximum overrun before	overfull vbox error.	`\vfuzz` [*]
	override `\global` specifications.	`\globaldefs` [*]
maximum	overrun before overfull hbox messages occur.	`\hfuzz` [*]
maximum	overrun before overfull vbox error.	`\vfuzz` [*]
math relation:	owns ($\ni$).	`\owns`
math symbol: Weierstrass	p ($\wp$).	`\wp`
name of current TeX format	package.	`\fmtname`
version of current TeX format	package.	`\fmtversion`
additional authors on title	page.	`\and` [L]
figures and tables and start a new right-hand	page. flush	`\cleardoublepage` [L]
flush figures and start a new	page.	`\clearpage` [L]
date on title	page.	`\date` [L]
size of float on double-column	page.	`\dblfloatpagefraction` [L]
flush insertions and eject to a new	page.	`\dosupereject`
horizontal offset of a	page.	`\hoffset` [*]
sum of penalties for split insertions on the	page.	`\insertpenalties` [*]
vertical space around a float in the middle of a	page.	`\intextsep` [L]
insert at current position in	page.	`\midinsert`
create a small sample	page.	`\minipage` [L]
start a new	page.	`\newpage` [L]
produce a vertical list of the body of a	page.	`\pagecontents`
depth of the current	page.	`\pagedepth` [*]
amount of filll space in current	page.	`\pagefilllstretch` [*]
amount of fill space in current	page.	`\pagefillstretch` [*]
amount of fil space in current	page.	`\pagefilstretch` [*]
insert a whole	page.	`\pageinsert`
amount of glue shrinkage in current	page.	`\pageshrink` [*]
amount of glue stretch in current	page.	`\pagestretch` [*]
put marginal notes on opposite side of	page.	`\reversemarginpar` [L]
terminate LaTeX and flush the final	page.	`\stop` [L]
flush all insertions and eject to a new	page.	`\supereject`
width of printing on	page.	`\textwidth` [L]
add footnote to title	page.	`\thanks` [L]
insertion class for inserts at the top of a	page.	`\topins`
insert text at the top of the	page.	`\topinsert`
extra space added to top of	page.	`\topmargin` [L]
space at the top of a	page.	`\topskip` [*]
vertical offset of a	page.	`\voffset` [*]
penalty for creating a widow line at top of	page.	`\widowpenalty` [*]
define the rule separating a	page and footnotes.	`\footnoterule`
title	page author.	`\author` [L]
justify	page bottoms to the same height.	`\flushbottom` [L]
justify	page bottoms to the same height.	`\normalbottom`
justify	page bottoms to their natural height.	`\raggedbottom` [L]

large vertical space or a good	page break.	`\bigbreak`
force a	page break.	`\eject`
good	page break.	`\goodbreak`
medium vertical space or a good	page break.	`\medbreak`
prohibit a line or	page break.	`\nobreak`
suppress a	page break.	`\nopagebreak`[L]
penalty at the current	page break.	`\outputpenalty`*
encourage a	page break.	`\pagebreak`[L]
specify penalty for a line or	page break.	`\penalty`*
small vertical space and a good	page break.	`\smallbreak`
penalty if	page break after first line of paragraph.	`\clubpenalty`*
penalty if	page break after hyphenated line.	`\brokenpenalty`*
additional penalty for	page break between lines.	`\interlinepenalty`*
penalty for	page break just after a display.	`\postdisplaypenalty`*
penalty for	page break just before a display.	`\predisplaypenalty`*
inhibit a	page break over a region.	`\samepage`[L]
require strict line and	page breaks.	`\fussy`[L]
accept looser line and	page breaks.	`\sloppy`[L]
put	page contents in a box of the proper height.	`\pagebody`
constructs a box with the	page foot.	`\makefootline`
	page foot line.	`\footline`
height of	page footer.	`\footheight`[L]
space between text and	page footer.	`\footskip`[L]
fraction of two-column	page for top floats.	`\dbltopfraction`[L]
	page head line.	`\headline`
height of	page header.	`\headheight`[L]
constructs a box with the	page header.	`\makeheadline`
space between	page header and text.	`\headsep`[L]
produces current left	page heading.	`\leftmark`[L]
produces current right	page heading.	`\rightmark`[L]
desired	page height.	`\pagegoal`*
start a new	page in double-column format.	`\twocolumn`[L]
start a new	page in single-column format.	`\onecolumn`[L]
define where text will be inserted when the	page is formatted.	`\insert`*
mark text last encountered on	page just boxed.	`\botmark`*
mark text first encountered on	page just boxed.	`\firstmark`*
typeset	page number.	`\folio`
current	page number.	`\pageno`
current	page number.	`\thepage`[L]
	page number of a cross reference label.	`\pageref`[L]
specify	page numbering style.	`\pagenumbering`[L]
suppress	page numbers.	`\nopagenumbers`
height of text on a	page or `\vbox`.	`\vsize`*
define the	page output routine.	`\output`*
natural height of	page so far.	`\pagetotal`*
set global	page style.	`\pagestyle`[L]
set current	page style.	`\thispagestyle`[L]
suppress bottom justification of	page text.	`\raggedbottom`
floats. portion of	page that may be occupied by ..	`\floatpagefraction`[L]
below. break a	page unless there is a better `\filbreak` ...	`\filbreak`
value of `\botmark` just before current	page was boxed.	`\topmark`*
show	page-break calculations.	`\tracingpages`*
advance	`\pageno` by one.	`\advancepageno`

maximum depth of boxes on explicit	pages.	\boxmaxdepth[*]
left hand margin on even	pages.	\evensidemargin[L]
set headings for left and right	pages.	\markboth[L]
set heading for right	pages.	\markright[L]
maximum depth of boxes on main	pages.	\maxdepth[*]
left hand margin on odd	pages.	\oddsidemargin[L]
penalty if page break after first line of	paragraph.	\clubpenalty[*]
hanging indent of a	paragraph.	\@hangfrom[L]
force a line break in a	paragraph.	\\\\[L]
space to the left of a	paragraph.	\leftskip[*]
amount added to badness of every line in a	paragraph.	\linepenalty[*]
force a change to the number of lines in a	paragraph.	\looseness[*]
force a line break in a	paragraph.	\newline[L]
start a labeled	paragraph.	\paragraph[L]
space at the end of the last line of a	paragraph.	\parfillskip[*]
extra vertical space when environment starts a	paragraph.	\partopsep[L]
number of lines in the last	paragraph.	\prevgraf[*]
space to the right of a	paragraph.	\rightskip[*]
end a	paragraph.	\par[*]
start a labeled sub-level	paragraph.	\subparagraph[L]
space between first list item and preceding	paragraph.	\topsep[L]
insert vertical material into a	paragraph.	\vadjust[*]
tokens to insert when a	paragraph begins.	\everypar[*]
indent second and subsequent lines in a	paragraph by **\parindent**.	\hang
put a	paragraph in a box.	\parbox[L]
define	paragraph indentation.	\parindent[*]
start a	paragraph indented **\parindent**.	\indent[*]
suppress right justification of	paragraph lines.	\raggedright
width of a	paragraph or **\hbox**.	\hsize[*]
math symbol:	paragraph (¶).	\P
define an unusual	paragraph shape.	\parshape[*]
start a	paragraph without indentation.	\noindent[*]
define space between	paragraphs.	\parskip[*]
the following macro may have multiple	paragraphs as parameters.	\long[*]
indent second and subsequent	paragraphs in a list environment.	\listparindent[L]
environment. space between	paragraphs within an item in a list	\parsep[L]
math relation:	parallel ($\|$).	\parallel
set a font-related	parameter.	\fontdimen[*]
following macro may have multiple paragraphs as	parameters. the	\long[*]
fraction without a rule with	parentheses.	\choose
math strut with height and depth of	parentheses.	\mathstrut
generate a matrix with	parentheses delimiters.	\pmatrix
math function: mod within	parentheses ((mod)).	\pmod
second and subsequent lines in a paragraph by	**\parindent**. indent	\hang
start a paragraph indented	**\parindent**.	\indent[*]
increase left and right margins by	**\parindent**.	\narrower
math symbol:	partial (∂).	\partial
define a set of hyphenation	patterns.	\patterns[*]
	pause after each line is read from a file.	\pausing[*]
processing TeX input.	pause for normal errors while	\errorstopmode[*]
process TeX input without	pausing for normal errors.	\scrollmode[*]
page. sum of	penalties for split insertions on the	\insertpenalties[*]
	penalty at the beginning of a list.	\@beginparpenalty[L]

		penalty at the current page break.	\outputpenalty*
		penalty at the end of a list.	\@endparpenalty^{L}
		penalty between list items.	\@itempenalty^{L}
	specify	penalty for a line or page break.	\penalty*
between lines of a display.		penalty for breaking	\interdisplaylinepenalty
between lines of a footnote.		penalty for breaking	\interfootnotelinepenalty
of page.		penalty for creating a widow line at top	\widowpenalty*
before a display.		penalty for creating a widow line	\displaywidowpenalty*
	interline	penalty for footnotes.	\interfootnotelinepenalty^{L}
		penalty for insertions that are split.	\floatingpenalty*
operation.		penalty for line break after binary	\binoppenalty*
discretionary hyphen.		penalty for line break after	\hyphenpenalty*
hyphen.		penalty for line break after explicit	\exhyphenpenalty*
		penalty for line break after math relation.	\relpenalty*
lines.	additional	penalty for page break between	\interlinepenalty*
a display.		penalty for page break just after	\postdisplaypenalty*
a display.		penalty for page break just before	\predisplaypenalty*
paragraph.		penalty if page break after first line of	\clubpenalty*
line.		penalty if page break after hyphenated	\brokenpenalty*
	remove a	penalty just added to the current list.	\unpenalty*
	fetch last	penalty off the current list.	\lastpenalty*
	demerits for a	penultimate broken line.	\finalhyphendemerits*
		percent sign (%).	\%
		perform a \read or \write immediately.	\immediate*
		perform arithmetic on a register.	\advance*
	largest	permissible dimension.	\maxdimen
		permit a line break after a slash.	\slash
column.		permit an alignment entry to stick out of its	\hidewidth
	math relation:	perpendicular ($\perp$).	\perp
	math Greek letter:	phi (ϕ).	\phi
	math Greek letter: capital	phi (Φ).	\Phi
	math Greek letter: variant	phi (φ).	\varphi
	math Greek letter:	pi (π).	\pi
	math Greek letter: capital	pi (Π).	\Pi
	math Greek letter: variant	pi (ϖ).	\varpi
	circle in a	picture environment.	\circle^{L}
	end	picture environment.	\endpicture^{L}
	line in a	picture environment.	\line^{L}
	set width of lines in	picture environment.	\linethickness^{L}
	oval in a	picture environment.	\oval^{L}
	begin	picture environment.	\picture^{L}
	unit of distance in	picture environment.	\unitlength^{L}
	vector in a	picture environment.	\vector^{L}
	place several copies of a	picture object.	\multiput^{L}
	place a	picture object.	\put^{L}
	lower left	piece of a horizontal brace.	\braceld
	upper left	piece of a horizontal brace.	\bracelu
	lower right	piece of a horizontal brace.	\bracerd
	upper right	piece of a horizontal brace.	\braceru
		piece of a vertical brace ($\bracevert$).	\bracevert
	internal Plain TeX command to	piece together long arrows.	\joinrel
	character	placed at the right end of an input line.	\endlinechar*

	restore default limit	placement on large math operators.	\displaylimits*
	default	Plain output routine.	\plainoutput
arrows.	internal	Plain TEX command to piece together long	\joinrel
symbols.	internal	Plain TEX operation to define math text	\mathhexbox
	internal	Plain TEX space used for centering.	\centering
	special	Plain TEX space used in alignment.	\hideskip
	math symbol:	Planck's constant or h-bar ($\hbar$).	\hbar
	math operator: large circle with	plus ($\bigoplus$).	\bigoplus
	math operator: large U	plus ($\biguplus$).	\biguplus
	math operator: minus	plus ($\mp$).	\mp
	math operator: direct sum, circle	plus ($\oplus$).	\oplus
	math operator:	plus or minus ($\pm$).	\pm
	math operator: U	plus ($\uplus$).	\uplus
		Polish letter: slashed L (ł).	\l
		Polish letter: upper-case slashed L (Ł).	\L
	math function: degree of a	polynomial (deg).	\deg
occupied by floats.		portion of page that may be	\floatpagefraction[L]
	create a box in dashes, with	positioning.	\dashbox[L]
	create and frame a box, with	positioning.	\framebox[L]
	create a box, with	positioning.	\makebox[L]
	create and name a box, with	positioning.	\savebox[L]
capital letters.		positive if hyphenating words beginning with	\uchyph*
(#).		pound, hatch mark, sharp sign, octothorpe	\#
	British	pound symbol (£).	\pounds[L]
	suppress the template in the alignment	preamble for this entry.	\omit*
	math relation:	precedes or equal ($\preceq$).	\preceq
	math relation:	precedes ($\prec$).	\prec
	length of text	preceding a display.	\predisplaysize*
	space between first list item and	preceding paragraph.	\topsep[L]
	scratch control sequence used in	preloading fonts.	\preloaded
	vertical strut to	preserve line spacing.	\strut
	math symbol:	prime (x').	\prime
	TEX	primitive \par.	\@@par[L]
	name of the	principal input file.	\jobname*
	width of	printing on page.	\textwidth[L]
	math function:	probability (Pr).	\Pr
		process input without displaying errors.	\batchmode*
		process input without stopping for errors.	\nonstopmode*
normal errors.		process TEX input without pausing for	\scrollmode*
	enable glossary	processing.	\makeglossary[L]
	trace output	processing.	\showoutput[L]
	set a character's	processing category type.	\catcode*
	set a math character's	processing category type.	\mathcode*
	finish	processing input.	\bye
	pause for normal errors while	processing TEX input.	\errorstopmode*
		produce a horizontal rule.	\hrule*
		produce a marginal note.	\marginpar[L]
		produce a numbered caption.	\caption[L]
page.		produce a vertical list of the body of a	\pagecontents
		produce a vertical rule.	\vrule*
		produce footnote text without a mark.	\footnotetext[L]
		produce TEX accents in tabbing environment.	\a[L]
		produce the title.	\maketitle[L]

	produce the value of a counter.	\value[L]
	produces current left page heading.	\leftmark[L]
	produces current right page heading.	\rightmark[L]
	produces the footnote number.	\thefootnote[L]
math operator: tensor	product, circle times ($\otimes$).	\otimes
math operator: large	product ($\prod$).	\prod
math binary operator: wreath	product ($\wr$).	\wr
	prohibit a line or page break.	\nobreak
put page contents in a box of the	proper height.	\pagebody
define a symbol that will work	properly in text and script sizes.	\mathpalette
math relation:	proportional to ($\propto$).	\propto
arguments.	protect fragile commands and moving	\protect[L]
math Greek letter:	psi (ψ).	\psi
math Greek letter: capital	psi (Ψ).	\Psi
suppress special spacing after	punctuation.	\frenchspacing
create end-of-sentence space after following	punctuation.	\@[L]
enable special spacing after	punctuation.	\nonfrenchspacing
define a math	punctuation operator.	\mathpunct*
math symbol: exists	quantifier ($\exists$).	\exists
math symbol: for-all	quantifier ($\forall$).	\forall
math symbol: left	quote (‘).	\lq
right	quote (’).	\rq
math symbol: real, Fraktur	R ($\Re$).	\Re
put a math field under a	radical.	\radical*
	raise a box a distance.	\raisebox[L]
	raise a box a given distance.	\raise*
1000.	ratio for variable delimiters times	\delimiterfactor*
magnification	ratio times 1000.	\mag*
	read a file.	\input*
	read a file unless disabled by \includeonly.	\include[L]
	read a line from a file.	\read*
non-space is found.	read, expand, then ignore tokens until a	\ignorespaces*
pause after each line is	read from a file.	\pausing*
processing.	read in the .AUX files and disable alpha @	\document[L]
perform a	\read or \write immediately.	\immediate*
current line. stop	reading current input file at the end of the	\endinput*
math symbol:	real, Fraktur R ($\Re$).	\Re
most	recently allocated register number.	\allocationnumber
\dospecials.	redefinable scratch control sequence used by	\do
	redefine a command.	\renewcommand[L]
	redefine an environment.	\renewenvironment[L]
	refer to a cross reference label.	\ref[L]
generate an in-text citation of a	reference.	\cite[L]
	reference a BibTeX item without citation.	\nocite[L]
increment and	reference a counter.	\refstepcounter[L]
begin and cross	reference an equation.	\equation[L]
define a cross	reference label.	\label[L]
page number of a cross	reference label.	\pageref[L]
refer to a cross	reference label.	\ref[L]
inhibit a page break over a	region.	\samepage[L]
perform arithmetic on a	register.	\advance*
use a count	register.	\count*
define a name for a count	register.	\countdef*

use a dimension	register.	\dimen*
define a name for a dimension	register.	\dimendef*
math skip	register.	\muskip*
define a name for a math skip	register.	\muskipdef*
allocate a new box	register.	\newbox
allocate a new count	register.	\newcount
allocate a new dimension	register.	\newdimen
define a new box	register.	\newsavebox[L]
store an hbox or vbox in a box	register.	\setbox*
display the contents of a	register.	\showthe*
use a skip	register.	\skip*
define a name for a skip	register.	\skipdef*
allocate a new insert	register.	\newinsert
allocate a new math skip	register.	\newmuskip
allocate a new skip	register.	\newskip
allocate a new token	register.	\newtoks
use a token list	register.	\toks*
define a name for a token list	register.	\toksdef*
divide a	register by a value.	\divide*
multiply a	register by a value.	\multiply*
most recently allocated	register number.	\allocationnumber
the following macro definition or	register setting is global.	\global*
convert a numeric	register to displayable form.	\the*
penalty for line break after math	relation.	\relpenalty*
math	relation: approximately equal ($\approx$).	\approx
math	relation: asymptote ($\asymp$).	\asymp
math symbol:	relation bar ($-$).	\relbar
math symbol: double	relation bar ($=$).	\Relbar
math	relation: bowtie ($\bowtie$).	\bowtie
math	relation: congruent ($\cong$).	\cong
math	relation: contains ($\ni$).	\ni
math	relation: dash V ($\dashv$).	\dashv
math	relation: dash ($\vdash$).	\vdash
math	relation: dotted equal ($\doteq$).	\doteq
math	relation: equivalence ($\equiv$).	\equiv
math	relation: frown ($\frown$).	\frown
math	relation: gets ($\gets$).	\gets
math	relation: greater or equal ($\ge$).	\ge
math	relation: greater or equal ($\geq$).	\geq
math	relation: if and only if ($\iff$).	\iff
math	relation: in ($\in$).	\in
math	relation: less or equal ($\le$).	\le
math	relation: less or equal ($\leq$).	\leq
math	relation: mid ($\mid$).	\mid
math	relation: models ($\models$).	\models
math	relation: much greater ($\gg$).	\gg
math	relation: much less ($\ll$).	\ll
math	relation: not equal ($\ne$).	\ne
math	relation: not equal ($\neq$).	\neq
math	relation: not equal ($\not=$).	\not=
define a math	relation operator.	\mathrel*
math	relation: owns ($\owns$).	\owns
math	relation: parallel ($\parallel$).	\parallel

math	relation: perpendicular ($\perp$).	\perp
math	relation: precedes or equal ($\preceq$).	\preceq
math	relation: precedes ($\prec$).	\prec
math	relation: proportional to ($\propto$).	\propto
math	relation: similar or equal ($\simeq$).	\simeq
math	relation: similar ($\sim$).	\sim
math	relation: smile ($\smile$).	\smile
math	relation: square subset or equal ($\sqsubseteq$).	\sqsubseteq
math	relation: square superset or equal ($\sqsupseteq$).	\sqsupseteq
math	relation: subset or equal ($\subseteq$).	\subseteq
math	relation: subset ($\subset$).	\subset
math	relation: successor or equal ($\succeq$).	\succeq
math	relation: successor ($\succ$).	\succ
math	relation: superset or equal ($\supseteq$).	\supseteq
math	relation: superset ($\supset$).	\supset
math	relation: to ($\to$).	\to
put symbols over math	relations.	\buildrel
	remove a kern just added to the current list.	\unkern*
list.	remove a penalty just added to the current	\unpenalty*
	remove a skip just added to the current list.	\unskip*
	remove last skip on the list.	\removelastskip
surround a space with a	repeated box or rule.	\cleaders*
fill a space with a	repeated box or rule.	\leaders*
define a macro with expanded	replacement text.	\edef*
define a global macro with expanded	replacement text.	\xdef*
	require strict line and page breaks.	\fussy[L]
	reset tabs.	\cleartabs
math operators.	restore default limit placement on large	\displaylimits*
	restore tabs stops in tabbing environment.	\poptabs[L]
meaning.	restores a carriage return to its usual	\restorecr[L]
defines a carriage	return as \\.	\obeycr[L]
restores a carriage	return to its usual meaning.	\restorecr[L]
math Greek letter:	rho (ρ).	\rho
math Greek letter: variant	rho (ϱ).	\varrho
add a box to the vertical list shifted	right.	\moveright*
flush lines	right.	\raggedleft[L]
create a zero-width box with text to the	right.	\rlap
math delimiter:	right angle bracket ($\rangle$).	\rangle
fill a space with a	right arrow.	\rightarrowfill
math symbol: hook	right arrow ($\hookrightarrow$).	\hookrightarrow
math symbol: long left and	right arrow ($\longleftrightarrow$).	\longleftrightarrow
math symbol: long	right arrow ($\longrightarrow$).	\longrightarrow
	right arrow over a math formula.	\overrightarrow
math symbol:	right arrow ($\rightarrow$).	\rightarrow
math delimiter:	right bracket (]).	\rbrack
math delimiter:	right ceiling bracket ($\rceil$).	\rceil
math delimiter:	right curly brace ($\}$).	\rbrace
end a math list with a	right delimiter.	\right*
math symbol: long	right double arrow ($\Longrightarrow$).	\Longrightarrow
math symbol:	right double arrow ($\Rightarrow$).	\Rightarrow
character placed at the	right end of an input line.	\endlinechar*
end flush	right environment.	\endflushright[L]
begin flush	right environment.	\flushright[L]

math delimiter:	right floor ($\rfloor$).	\rfloor
math delimiter:	right group ($\rgroup$).	\rgroup
math symbol:	right half diamond ($\rhd$).	\rhd[L]
math symbol: underlined	right half diamond ($\unrhd$).	\unrhd[L]
math symbol:	right harpoon down ($\rightharpoondown$).	\rightharpoondown
math symbol:	right harpoon up ($\rightharpoonup$).	\rightharpoonup
math symbol:	right hook ($\rhook$).	\rhook
put text flush	right in a column in tabbing environment.	\'[L]
suppress	right justification of paragraph lines.	\raggedright
lines. suppress	right justification of typewriter font	\ttraggedright
math symbol:	right left harpoon ($\rightleftharpoons$).	\rightleftharpoons
	right margin in a list.	\rightmargin[L]
increase left and	right margins by \parindent.	\narrower
2.5-line	right math delimiter.	\Biggr
2-line	right math delimiter.	\biggr
1.5-line	right math delimiter.	\Bigr
1-line	right math delimiter.	\bigr
math symbol:	right moustache ($\rmoustache$).	\rmoustache
space to the	right of a paragraph.	\rightskip[*]
produces current	right page heading.	\rightmark[L]
set headings for left and	right pages.	\markboth[L]
set heading for	right pages.	\markright[L]
lower	right piece of a horizontal brace.	\bracerd
upper	right piece of a horizontal brace.	\braceru
	right quote (').	\rq
flush	right text on a line.	\rightline
math operator:	right triangle ($\triangleright$).	\triangleright
flush figures and tables and start a new	right-hand page.	\cleardoublepage[L]
8 point	Roman font.	\egtrm[L]
11 point	Roman font.	\elvrm[L]
5 point boldface	Roman font.	\fivebf
5 point	Roman font.	\fiverm
5 point	Roman font.	\fivrm[L]
14 point	Roman font.	\frtnrm[L]
9 point	Roman font.	\ninrm[L]
select	Roman font.	\rm
7 point bold	Roman font.	\sevenbf
7 point	Roman font.	\sevenrm
7 point	Roman font.	\sevrm[L]
6 point	Roman font.	\sixrm[L]
17 point	Roman font.	\svtnrm[L]
10 point	Roman font.	\tenrm
12 point	Roman font.	\twlrm[L]
20 point	Roman font.	\twtyrm[L]
display counter as lower-case	Roman numerals.	\roman[L]
display counter as upper-case	Roman numerals.	\Roman[L]
convert a number to lower-case	Roman numerals.	\romannumeral[*]
specified	root of a formula.	\root
square	root of a formula.	\sqrt
define the page output	routine.	\output[*]
default Plain output	routine.	\plainoutput
upper bound on output	routine calls.	\maxdeadcycles[*]

number of output	routine calls since last \shipout.	\deadcycles[*]
generate a matrix labeled on	rows and columns.	\bordermatrix
space between	rows of array or tabular environment.	\arraystretch[L]
fraction without	rule.	\atop[*]
surround a space with a repeated box or	rule.	\cleaders[*]
produce a horizontal	rule.	\hrule[*]
fill a space with a	rule.	\hrulefill
fill a space with a repeated box or	rule.	\leaders[*]
fraction with a	rule.	\over[*]
produce a vertical	rule.	\vrule[*]
fill a space with an evenly distributed box or	rule.	\xleaders[*]
fraction with specified	rule and delimiters.	\abovewithdelims[*]
fraction with	rule and given delimiters.	\overwithdelims[*]
	rule between double-column floats and text.	\dblfigrule[L]
place	rule between text and bottom floats.	\botfigrule[L]
place	rule between top floats and text.	\topfigrule[L]
create a	rule or line.	\rule[L]
define the	rule separating a page and footnotes.	\footnoterule
width of	rule separating double columns.	\columnseprule[L]
macro to draw the	rule separating footnotes from text.	\footnoterule[L]
environment. double	rule separation in array or tabular	\doublerulesep[L]
thickness of	rule surrounding framed box.	\fboxrule[L]
fraction with	rule thickness.	\above[*]
fraction without a	rule with braces.	\brace
fraction without a	rule with brackets.	\brack
fraction without	rule with given delimiters.	\atopwithdelims[*]
fraction without a	rule with parentheses.	\choose
set width of array	rules.	\arrayrulewidth[L]
width of	rules appended to overfull boxes.	\overfullrule[*]
German letter: sharp	s (ß).	\ss
create a small	sample page.	\minipage[L]
11 point	sans serif font.	\elvsf[L]
select	sans serif font.	\sf[L]
10 point	sans serif font.	\tensf[L]
12 point	sans serif font.	\twlsf[L]
environment.	save current tab stops in tabbing	\pushtabs[L]
\dospecials. redefinable	scratch control sequence used by	\do
fonts.	scratch control sequence used in preloading	\preloaded
suppress space in	script and small script styles.	\nonscript[*]
math symbol: small	script L (ℓ).	\ell
a symbol that will work properly in text and	script sizes. define	\mathpalette
use normal math	script style.	\displaystyle[*]
use very small math	script style.	\scriptscriptstyle[*]
use small math	script style.	\scriptstyle[*]
suppress space in script and small	script styles.	\nonscript[*]
select font for small math	scripts.	\scriptfont[*]
select font for very small math	scripts.	\scriptscriptfont[*]
math function:	secant.	\sec
current value of the	second-level item counter.	\theenumii[L]
	second-level item in an index.	\subitem[L]
mark denoting	second-level items.	\labelitemii[L]
width of left margin in	second-level list.	\leftmarginii[L]
start a	section.	\section[L]

command. includes the	section number in a \contentsline	\numberline[L]
math symbol:	section (§).	\S
set	sectional units to appendix style.	\appendix[L]
	select a font.	\newfont[L]
	select bold extended font.	\bf
	select bold math italic and symbol fonts. ..	\boldmath[L]
	select font for non-math text.	\textfont[*]
	select font for small math scripts.	\scriptfont[*]
scripts.	select font for very small math ...	\scriptscriptfont[*]
	select font four steps larger than normal size.	\huge[L]
	select font one step larger than normal size.	\large[L]
	select font three steps larger than normal size.	\LARGE[L]
	select font two steps larger than normal size.	\Large[L]
	select footnote font size.	\footnotesize[L]
	select italic font.	\it
	select largest available font.	\Huge[L]
the next item.	select math spacing of a closing delimiter for	\mathclose[*]
for the next item.	select math spacing of an opening delimiter	\mathopen[*]
	select normal font size.	\normalsize[L]
	select old-style numerals with descenders. ..	\oldstyle
integer.	select one of several entries determined by an	\ifcase[*]
	select Roman font.	\rm
	select sans serif font.	\sf[L]
	select slanted font.	\sl
	select small caps font.	\sc[L]
	select small font size.	\small[L]
	select smallest defined font.	\tiny[L]
	select subscript or superscript font size. .	\scriptsize[L]
	select sub-subscript font size.	\scriptscriptsize[L]
	select typewriter font.	\tt
give a token list defining the	semantics of a token.	\meaning[*]
	send a box to the DVI file.	\shipout[*]
space between	sentences.	\xspaceskip[*]
	separate cases in an \ifcase.	\or[*]
define the rule	separating a page and footnotes.	\footnoterule
environment. half the width	separating columns in a tabular	\tabcolsep[L]
width of rule	separating double columns.	\columnseprule[L]
macro to draw the rule	separating footnotes from text.	\footnoterule[L]
ensure footnote line	separation.	\footstrut
footnote	separation distance.	\footnotesep[L]
column	separation in array environment.	\arraycolsep[L]
environment. double rule	separation in array or tabular	\doublerulesep[L]
increase line	separation in math mode.	\openup
field	separator in \halign or \valign.	&[*]
a synonym for the current meaning of a control	sequence. define	\let[*]
an undefined control	sequence.	\undefined
assigns the second token to a control	sequence and continues.	\futurelet[*]
expand a control	sequence into character tokens.	\string[*]
escape character in the output of control	sequence tokens.	\escapechar[*]
redefinable scratch control	sequence used by \dospecials.	\do
scratch control	sequence used in preloading fonts.	\preloaded
11 point sans	serif font.	\elvsf[L]
select sans	serif font.	\sf[L]

10 point sans	serif font.	\tensf[L]
12 point sans	serif font.	\twlsf[L]
end a	\settabs definition.	\columns
the following macro definition or register	setting is global.	\global[*]
define an unusual paragraph	shape.	\parshape[*]
German letter:	sharp s (ß).	\ss
math symbol:	sharp ($\sharp$).	\sharp
pound, hatch mark,	sharp sign, octothorpe (#).	\#
	shift super accents.	\skew
add a box to the vertical list	shifted left.	\moveleft[*]
add a box to the vertical list	shifted right.	\moveright[*]
number of output routine calls since last	\shipout.	\deadcycles[*]
show boxes that are	shipped out.	\tracingoutput[*]
generate a	short amount of verbatim text.	\verb[L]
extra space above displays following	short lines.	\abovedisplayshortskip[*]
extra space just below displays following	short lines.	\belowdisplayshortskip[*]
	show a box.	\showbox[*]
	show a token.	\show[*]
	show boxes that are shipped out.	\tracingoutput[*]
	show characters not in the font.	\tracinglostchars[*]
executed.	show commands before they are	\tracingcommands[*]
	show diagnostics on the terminal.	\tracingonline[*]
	show hyphenations of given words.	\showhyphens
	show line-break calculations.	\tracingparagraphs[*]
	show macros as they are expanded.	\tracingmacros[*]
	show page-break calculations.	\tracingpages[*]
	show statistics about memory usage.	\tracingstats[*]
	show the current lists.	\showlists[*]
end.	show unassignments when groups	\tracingrestores[*]
maximum box depth	shown.	\showboxdepth[*]
maximum boxed items	shown at a given depth.	\showboxbreadth[*]
infinitely stretchable and	shrinkable horizontal space.	\hss[*]
infinitely stretchable and	shrinkable vertical space.	\vss[*]
amount of glue	shrinkage in current page.	\pageshrink[*]
put marginal notes on opposite	side of page.	\reversemarginpar[L]
math Greek letter:	sigma (σ).	\sigma
math Greek letter: capital	sigma (Σ).	\Sigma
math Greek letter: variant	sigma (ς).	\varsigma
dollar	sign.	\$
math operator: discretionary multiply	sign.	*
percent	sign (%).	\%
pound, hatch mark, sharp	sign, octothorpe (#).	\#
math relation:	similar or equal ($\simeq$).	\simeq
math relation:	similar ($\sim$).	\sim
math function: arc	sine.	\arcsin
math function:	sine.	\sin
math function: hyperbolic	sine.	\sinh
create a box with a	single column of items.	\shortstack[L]
start a new page in	single-column format.	\onecolumn[L]
current value of the	sixth-level item counter.	\theenumvi[L]
mark denoting	sixth-level items.	\labelitemvi[L]
width of left margin in	sixth-level list.	\leftmarginvi[L]
1.5-line math delimiter	size.	\Big

1-line math delimiter	size.	\big
2.5-line math delimiter	size.	\Bigg
2-line math delimiter	size.	\bigg
big font	size.	\big[L]
bigger font	size.	\Big[L]
biggest font	size.	\BIG[L]
select footnote font	size.	\footnotesize[L]
select font four steps larger than normal	size.	\huge[L]
select font one step larger than normal	size.	\large[L]
select font three steps larger than normal	size.	\LARGE[L]
select font two steps larger than normal	size.	\Large[L]
select normal font	size.	\normalsize[L]
select sub-subscript font	size.	\scriptscriptsize[L]
select subscript or superscript font	size.	\scriptsize[L]
select small font	size.	\small[L]
	size of column that must contain text.	\textfraction[L]
page.	size of float on double-column	\dblfloatpagefraction[L]
symbol that will work properly in text and script	sizes. define a	\mathpalette
breakable small horizontal	skip.	\enskip
large breakable horizontal	skip.	\qquad
breakable medium horizontal	skip.	\quad
vertical	skip a large amount.	\bigskip[L]
vertical	skip a medium amount.	\medskip[L]
vertical	skip a small amount.	\smallskip[L]
an unoriented	skip amount with stretch of \lfill.	\fill[L]
	skip horizontal space.	\hspace[L]
remove a	skip just added to the current list.	\unskip[*]
fetch last	skip off the current list.	\lastskip[*]
remove last	skip on the list.	\removelastskip
math	skip register.	\muskip[*]
define a name for a math	skip register.	\muskipdef[*]
use a	skip register.	\skip[*]
define a name for a	skip register.	\skipdef[*]
allocate a new math	skip register.	\newmuskip
allocate a new	skip register.	\newskip
	skip vertical space.	\vspace[L]
11 point	slanted font.	\elvsl[L]
select	slanted font.	\sl
10 point	slanted font.	\tensl
12 point	slanted font.	\twlsl[L]
	slanted font family.	\slfam
permit a line break after a	slash.	\slash
Norwegian letter: capital o with	slash (Ø).	\O
Norwegian letter: o with	slash (ø).	\o
math operator: circle	slash ($\oslash$).	\oslash
Polish letter:	slashed L (ł).	\l
Polish letter: upper-case	slashed L (Ł).	\L
vertical skip a	small amount.	\smallskip[L]
select	small caps font.	\sc[L]
select	small font size.	\small[L]
breakable	small horizontal skip.	\enskip
unbreakable	small horizontal space.	\enspace
unbreakable	small horizontal space.	\thinspace

math operator:	small integral ($\smallint$).	\smallint
use very	small math script style.	\scriptscriptstyle[*]
use	small math script style.	\scriptstyle[*]
select font for	small math scripts.	\scriptfont[*]
select font for very	small math scripts.	\scriptscriptfont[*]
create a	small sample page.	\minipage[L]
math symbol:	small script L (ℓ).	\ell
suppress space in script and	small script styles.	\nonscript[*]
	small vertical space.	\smallskip
	small vertical space and a good page break.	\smallbreak
select	smallest defined font.	\tiny[L]
	\smallskip space.	\smallskipamount
math relation:	smile ($\smile$).	\smile
create	some horizontal space.	\hglue
put a frame around	some text.	\frame[L]
create	some vertical space.	\vglue
math symbol:	southeast arrow ($\searrow$).	\searrow
math symbol:	southwest arrow ($\swarrow$).	\swarrow
math mode negative thin	space.	\!
unbreakable	space.	~
add extra vertical	space.	\addvspace[L]
\bigskip	space.	\bigskipamount
unbreakable small horizontal	space.	\enspace
infinitely stretchable horizontal	space.	\hfil[*]
more infinitely stretchable horizontal	space.	\hfill[*]
cancel infinitely stretchable horizontal	space.	\hfilneg[*]
create some horizontal	space.	\hglue
add horizontal	space.	\hskip[*]
skip horizontal	space.	\hspace[L]
infinitely stretchable and shrinkable horizontal	space.	\hss[*]
medium vertical	space.	\medskip
\medskip	space.	\medskipamount
unbreakable tiny negative math mode horizontal	space.	\negthinspace
control	space.	\␣[*]
small vertical	space.	\smallskip
\smallskip	space.	\smallskipamount
a blank	space.	\space
infinitely stretchable	space.	\stretch[L]
unbreakable small horizontal	space.	\thinspace
infinitely stretchable vertical	space.	\vfil[*]
more infinitely stretchable vertical	space.	\vfill[*]
cancel infinitely stretchable vertical	space.	\vfilneg[*]
create some vertical	space.	\vglue
add vertical	space.	\vskip[*]
skip vertical	space.	\vspace[L]
infinitely stretchable and shrinkable vertical	space.	\vss[*]
extra	space above displays.	\abovedisplayskip[*]
short lines. extra	space above displays following	\abovedisplayshortskip[*]
extra	space added to top of page.	\topmargin[L]
create end-of-sentence	space after following punctuation.	\@[L]
extra	space after subscript or superscript.	\scriptspace[*]
small vertical	space and a good page break.	\smallbreak
vertical	space around a float in the middle of a page.	\intextsep[L]

paragraph.		space at the end of the last line of a ...	\parfillskip*
		space at the top of a page.	\topskip*
		space at top of a split box.	\splittopskip*
environment.	add extra	space before a column in array or tabular	\extracolsep L
	suppress interline	space before next vertical box.	\nointerlineskip
and \framebox.		space between a box and its contents in \fbox	\fboxsep L
		space between a label and text of a list item.	\labelsep L
		space between aligned tab entries.	\tabskip*
text.		space between columns in double column .	\columnsep L
		space between double-column floats. ...	\dblfloatsep L
and text.		space between double-column floats	\dbltextfloatsep L
	amount of extra	space between entries in an index.	\indexspace L
paragraph.		space between first list item and preceding .	\topsep L
		space between floats.	\floatsep L
		space between floats and the text.	\textfloatsep L
	normal	space between lines.	\baselineskip*
	turn off extra	space between lines.	\offinterlineskip
enough.	extra	space between lines if \baselineskip isn't	\lineskip*
	minimum	space between lines in a vertical list. .	\lineskiplimit*
		space between main text and footnotes.	\footins L
	vertical	space between marginal notes.	\marginparpush L
		space between page header and text.	\headsep L
	define	space between paragraphs.	\parskip*
list environment.		space between paragraphs within an item in a	\parsep L
environment.		space between rows of array or tabular	\arraystretch L
		space between sentences.	\xspaceskip*
environment.		space between successive items in a list	\itemsep L
		space between text and page footer.	\footskip L
		space between words.	\spaceskip*
		space character.	␣*
	set a character's	space factor.	\sfcode*
	extra	space in badly-stretched lines. ...	\emergencystretch 3
	amount of filll	space in current page.	\pagefilllstretch*
	amount of fill	space in current page.	\pagefillstretch*
	amount of fil	space in current page.	\pagefilstretch*
	medium	space in math formulas.	\medmuskip*
	thick	space in math formulas.	\thickmuskip*
	thin	space in math formulas.	\thinmuskip*
	medium	space in math mode.	\>
	medium	space in math mode.	\: L
	insert horizontal	space in math mode.	\mskip*
	suppress	space in script and small script styles.	\nonscript*
	extra	space just below displays.	\belowdisplayskip*
following short lines.	extra	space just below displays ...	\belowdisplayshortskip*
	thick	space (math mode).	\;
	thin	space (math mode).	\,
	large vertical	space or a good page break.	\bigbreak
	medium vertical	space or a good page break.	\medbreak
	use the	space taken by a formula.	\phantom
		space to the left of a paragraph.	\leftskip*
		space to the right of a paragraph.	\rightskip*
	internal Plain TeX	space used for centering.	\centering
	special Plain TeX	space used in alignment.	\hideskip

	extra vertical	space when environment starts a paragraph.	\partopsep[L]
	fill a	space with a downward brace.	\downbracefill
	fill a	space with a left arrow.	\leftarrowfill
	surround a	space with a repeated box or rule.	\cleaders[*]
	fill a	space with a repeated box or rule.	\leaders[*]
	fill a	space with a right arrow.	\rightarrowfill
	fill a	space with a rule.	\hrulefill
	fill a	space with an evenly distributed box or rule.	\xleaders[*]
	fill a	space with an upward brace.	\upbracefill
	fill a	space with dots.	\dotfill
	verbatim	spaces in input text.	\obeyspaces
	lower dot math symbol with special	spacing.	\ldotp
	vertical strut to preserve line	spacing.	\strut
	suppress special	spacing after punctuation.	\frenchspacing
	enable special	spacing after punctuation.	\nonfrenchspacing
	set a character's	spacing factor.	\spacefactor[*]
	centered dot with special	spacing in math mode.	\cdotp
item.	select math	spacing of a closing delimiter for the next	\mathclose[*]
item.	select math	spacing of an opening delimiter for the next	\mathopen[*]
	set line	spacing to normal values.	\normalbaselines
	math symbol:	spade suit ($\spadesuit$).	\spadesuit
	amount by which delimiters can fail to	span included material.	\delimitershortfall[*]
		span several columns in an alignment.	\multispan
	enable only	specific \include commands.	\includeonly[L]
	override \global	specifications.	\globaldefs[*]
		specify a character by its numeric code.	\char[*]
		specify a math character code.	\mathchar[*]
BIBTEX.		specify bibliographic style for ...	\bibliographystyle[L]
hyphenation.		specify language to be used for	\setlanguage[3]
		specify page numbering style.	\pagenumbering[L]
		specify penalty for a line or page break.	\penalty[*]
	penalty for insertions that are	split.	\floatingpenalty[*]
	mark text last encountered in a	split box.	\splitbotmark[*]
	mark text first encountered in a	split box.	\splitfirstmark[*]
	maximum depth of boxes in a	split box.	\splitmaxdepth[*]
	space at top of a	split box.	\splittopskip[*]
	sum of penalties for	split insertions on the page.	\insertpenalties[*]
		split off a specified amount from a vbox. ...	\vsplit[*]
	math operator:	square cap ($\sqcap$).	\sqcap
	math operator: large	square cup ($\bigsqcup$).	\bigsqcup
	math operator:	square cup ($\sqcup$).	\sqcup
		square root of a formula.	\sqrt
	math relation:	square subset or equal ($\sqsubseteq$).	\sqsubseteq
	math symbol:	square subset ($\sqsubset$).	\sqsubset[L]
	math relation:	square superset or equal ($\sqsupseteq$).	\sqsupseteq
	math symbol:	square superset ($\sqsupset$).	\sqsupset[L]
	align a	stack of equations.	\eqalign
	align a	stack of equations with equation numbers.	\eqalignno
numbers.	align a	stack of equations with left equation	\leqalignno
	display a	stack of formulas without alignment. ..	\displaylines
		stack one equation above another.	\stackrel[L]
	math operator:	star ($\star$).	\star
		start a chapter.	\chapter[L]

	start a labeled paragraph.	\paragraph[L]
	start a labeled sub-level paragraph.	\subparagraph[L]
	start a major division of a long document.	\part[L]
flush figures and	start a new page.	\clearpage[L]
	start a new page.	\newpage[L]
	start a new page in double-column format.	\twocolumn[L]
	start a new page in single-column format.	\onecolumn[L]
flush figures and tables and	start a new right-hand page.	\cleardoublepage[L]
	start a paragraph indented \parindent.	\indent[*]
	start a paragraph without indentation.	\noindent[*]
	start a section.	\section[L]
	start a subsection.	\subsection[L]
	start a subsubsection.	\subsubsection[L]
	start an entry in a list environment.	\item[L]
zero.	start an \halign with \tabskip initialized to	\ialign
number of characters before hyphenation at the	start of a word. minimum .	\lefthyphenposition[3]
statement. character that	starts a new output line in a write	\newlinechar[*]
extra vertical space when environment	starts a paragraph.	\partopsep[L]
character that starts a new output line in a write	statement.	\newlinechar[*]
show	statistics about memory usage.	\tracingstats[*]
select font one	step larger than normal size.	\large[L]
select font four	steps larger than normal size.	\huge[L]
select font three	steps larger than normal size.	\LARGE[L]
select font two	steps larger than normal size.	\Large[L]
permit an alignment entry to	stick out of its column.	\hidewidth
define a tab	stop in tabbing environment.	\=[L]
unindents left margin one tab	stop in tabbing environment.	\-[L]
indents left margin one tab	stop in tabbing environment.	\+[L]
the current line.	stop reading current input file at the end of	\endinput[*]
process input without	stopping for errors.	\nonstopmode[*]
restore tabs	stops in tabbing environment.	\poptabs[L]
save current tab	stops in tabbing environment.	\pushtabs[L]
	store an hbox or vbox in a box register.	\setbox[*]
amount of glue	stretch in current page.	\pagestretch[*]
an unoriented skip amount with	stretch of \lfill.	\fill[L]
infinitely	stretchable and shrinkable horizontal space.	\hss[*]
infinitely	stretchable and shrinkable vertical space.	\vss[*]
infinitely	stretchable horizontal space.	\hfil[*]
more infinitely	stretchable horizontal space.	\hfill[*]
cancel infinitely	stretchable horizontal space.	\hfilneg[*]
infinitely	stretchable space.	\stretch[L]
infinitely	stretchable vertical space.	\vfil[*]
more infinitely	stretchable vertical space.	\vfill[*]
cancel infinitely	stretchable vertical space.	\vfilneg[*]
require	strict line and page breaks.	\fussy[L]
convert a number to a token	string.	\number[*]
box containing a	strut.	\strutbox
vertical	strut to preserve line spacing.	\strut
math	strut with height and depth of parentheses.	\mathstrut
set sectional units to appendix	style.	\appendix[L]
bold font	style.	\bf[L]
use normal math script	style.	\displaystyle[*]
set a formula flush left in display	style.	\lefteqn[L]

	choose a math formula based on the current	style.	\mathchoice[*]
	specify page numbering	style.	\pagenumbering[L]
	set global page	style.	\pagestyle[L]
	use very small math script	style.	\scriptscriptstyle[*]
	use small math script	style.	\scriptstyle[*]
	set current page	style.	\thispagestyle[L]
	declare document	style and options.	\documentstyle[L]
	specify bibliographic	style for BibTeX.	\bibliographystyle[L]
	use in-text	style for math.	\textstyle[*]
	suppress space in script and small script	styles.	\nonscript[*]
	mark the beginning of a major	subdivision.	\beginsection
	define an inner math	subformula.	\mathinner[*]
	display a	sub-item.	\itemitem
	start a labeled	sub-level paragraph.	\subparagraph[L]
		subscript, equivalent to _.	\sb
	extra space after	subscript or superscript.	\scriptspace[*]
	select	subscript or superscript font size.	\scriptsize[L]
	place superscripts and	subscripts after math operators.	\nolimits[*]
	start a	subsection.	\subsection[L]
\parindent.	indent second and	subsequent lines in a paragraph by	\hang
environment.	indent second and	subsequent paragraphs in a list	\listparindent[L]
	math relation: square	subset or equal ($\sqsubseteq$).	\sqsubseteq
	math relation:	subset or equal ($\subseteq$).	\subseteq
	math symbol: square	subset ($\sqsubset$).	\sqsubset[L]
	math relation:	subset ($\subset$).	\subset
	select	sub-subscript font size.	\scriptscriptsize[L]
	start a	subsubsection.	\subsubsection[L]
	test always	succeeds.	\iftrue[*]
	space between	successive items in a list environment.	\itemsep[L]
	math relation:	successor or equal ($\succeq$).	\succeq
	math relation:	successor ($\succ$).	\succ
	math symbol: club	suit ($\clubsuit$).	\clubsuit
	math symbol: diamond	suit ($\diamondsuit$).	\diamondsuit
	math symbol: heart	suit ($\heartsuit$).	\heartsuit
	math symbol: spade	suit ($\spadesuit$).	\spadesuit
	math operator: direct	sum, circle plus ($\oplus$).	\oplus
	math operator: amalgamated	sum, co-product ($\amalg$).	\amalg
on the page.		sum of penalties for split insertions	\insertpenalties[*]
	math operator: large	sum ($\sum$).	\sum
	math function:	sup.	\sup
	shift	super accents.	\skew
	extra space after subscript or	superscript.	\scriptspace[*]
		superscript, equivalent to ^.	\sp
	select subscript or	superscript font size.	\scriptsize[L]
operators.	place	superscripts and subscripts after math	\nolimits[*]
	math relation: square	superset or equal ($\sqsupseteq$).	\sqsupseteq
	math relation:	superset or equal ($\supseteq$).	\supseteq
	math symbol: square	superset ($\sqsupset$).	\sqsupset[L]
	math relation:	superset ($\supset$).	\supset
		suppress a line break.	\nolinebreak[L]
		suppress a page break.	\nopagebreak[L]
text.		suppress bottom justification of page	\raggedbottom
		suppress expansion of a character.	\noexpand[*]

vertical box.	suppress interline space before next	\nointerlineskip
	suppress numbering of displayed equations.	\nonumber [L]
	suppress page numbers.	\nopagenumbers
lines.	suppress right justification of paragraph	\raggedright
font lines.	suppress right justification of typewriter	\ttraggedright
styles.	suppress space in script and small script	\nonscript [*]
punctuation.	suppress special spacing after	\frenchspacing
preamble for this entry.	suppress the template in the alignment	\omit [*]
	suppress writing all auxiliary files.	\nofiles [L]
math function: limit	supremum (*limsup*).	\limsup
math symbol:	surd ($\surd$).	\surd
	surround a space with a repeated box or rule.	\cleaders [*]
thickness of rule	surrounding framed box.	\fboxrule [L]
mode.	switch to horizontal mode from vertical	\leavevmode
underscore	symbol.	_
display counter as footnote	symbol.	\fnsymbol [L]
close brace	symbol.	\}
open brace	symbol.	\{
	symbol å.	\aa
ligature digraph	symbol ae (æ).	\ae
math	symbol: aleph ($\aleph$).	\aleph
angle	symbol ($\angle$).	\angle
math	symbol: bottom ($\bot$).	\bot
math	symbol: box ($\Box$).	\Box [L]
	symbol capital Å.	\AA
ligature digraph	symbol capital AE (Æ).	\AE
ligature digraph	symbol capital OE (Œ).	\OE
math	symbol: club suit ($\clubsuit$).	\clubsuit
copyright	symbol (©).	\copyright
dagger	symbol (†).	\dag
double dagger	symbol (‡).	\ddag
math	symbol: diamond ($\Diamond$).	\Diamond [L]
math	symbol: diamond suit ($\diamondsuit$).	\diamondsuit
math	symbol: dotless i ($\imath$).	\imath
math	symbol: dotless j ($\jmath$).	\jmath
math	symbol: double relation bar ($=$).	\Relbar
math	symbol: double vertical bar ($\Arrowvert$).	\Arrowvert
math	symbol: down arrow ($\downarrow$).	\downarrow
math	symbol: downward double arrow ($\Downarrow$).	\Downarrow
math	symbol: empty set ($\emptyset$).	\emptyset
math	symbol: exists quantifier ($\exists$).	\exists
math	symbol: flat ($\flat$).	\flat
8 point LaTeX	symbol font.	\egtly [L]
8 point math	symbol font.	\egtsy [L]
11 point LaTeX	symbol font.	\elvly [L]
11 point math	symbol font.	\elvsy [L]
5 point math	symbol font.	\fivesy
5 point LaTeX	symbol font.	\fivly [L]
5 point math	symbol font.	\fivsy [L]
14 point LaTeX	symbol font.	\frtnly [L]
14 point math	symbol font.	\frtnsy [L]
9 point LaTeX	symbol font.	\ninly [L]

9 point math	symbol font.	\ninsy [L]
7 point math	symbol font.	\sevensy
7 point LaTeX	symbol font.	\sevly [L]
7 point math	symbol font.	\sevsy [L]
6 point LaTeX	symbol font.	\sixly [L]
6 point math	symbol font.	\sixsy [L]
17 point LaTeX	symbol font.	\svtnly [L]
17 point math	symbol font.	\svtnsy [L]
10 point math extension	symbol font.	\tenex
10 point LaTeX	symbol font.	\tenly [L]
10 point math	symbol font.	\tensy
12 point LaTeX	symbol font.	\twlly [L]
12 point math	symbol font.	\twlsy [L]
20 point LaTeX	symbol font.	\twtyly [L]
20 point math	symbol font.	\twtysy [L]
select bold math italic and	symbol fonts.	\boldmath [L]
unselect bold math italic and	symbol fonts.	\unboldmath [L]
math	symbol: for-all quantifier ($\forall$).	\forall
display a	symbol from a font.	\symbol [L]
math	symbol: heart suit ($\heartsuit$).	\heartsuit
math	symbol: hook left arrow ($\hookleftarrow$).	\hookleftarrow
math	symbol: hook right arrow ($\hookrightarrow$).	\hookrightarrow
math	symbol: imaginary, Fraktur I ($\Im$).	\Im
math	symbol: infinity (∞).	\infty
math	symbol: iota (ι).	\iota
math	symbol: join ($\Join$).	\Join [L]
math	symbol: leads to ($\leadsto$).	\leadsto [L]
math	symbol: left arrow ($\leftarrow$).	\leftarrow
math	symbol: left double arrow ($\Leftarrow$).	\Leftarrow
math	symbol: left half diamond ($\lhd$).	\lhd [L]
math	symbol: left harpoon down ($\leftharpoondown$).	\leftharpoondown
math	symbol: left harpoon up ($\leftharpoonup$).	\leftharpoonup
math	symbol: left hook ($\lhook$).	\lhook
math	symbol: left moustache ($\lmoustache$).	\lmoustache
math	symbol: left quote (‘).	\lq
math	symbol: left-right arrow ($\leftrightarrow$).	\leftrightarrow
math	symbol: left-right double arrow ($\Leftrightarrow$).	\Leftrightarrow
math	symbol: logical or ($\vee$).	\lor
($\longleftrightarrow$). math	symbol: long left and right arrow	\longleftrightarrow
math	symbol: long left arrow ($\longleftarrow$).	\longleftarrow
math	symbol: long left double arrow ($\Longleftarrow$).	\Longleftarrow
arrow ($\Longleftrightarrow$). math	symbol: long left-right double	\Longleftrightarrow
math	symbol: long maps to ($\longmapsto$).	\longmapsto
math	symbol: long right arrow ($\longrightarrow$).	\longrightarrow
math	symbol: long right double arrow ($\Longrightarrow$).	\Longrightarrow
math	symbol: maps to char ($\mapstochar$).	\mapstochar
math	symbol: maps to ($\mapsto$).	\mapsto
math	symbol: mho ($\mho$).	\mho [L]
math	symbol: nabla (∇).	\nabla
math	symbol: natural ($\natural$).	\natural
math	symbol: northeast arrow ($\nearrow$).	\nearrow
math	symbol: northwest arrow ($\nwarrow$).	\nwarrow

ligature digraph symbol oe (œ). \oe
math symbol: paragraph (¶). \P
math symbol: partial (∂). \partial
math symbol: Planck's constant or h-bar ($\hbar$). \hbar
British pound symbol (£). \pounds [L]
math symbol: prime (x'). \prime
math symbol: real, Fraktur R ($\Re$). \Re
math symbol: relation bar ($-$). \relbar
math symbol: right arrow ($\rightarrow$). \rightarrow
math symbol: right double arrow ($\Rightarrow$). \Rightarrow
math symbol: right half diamond ($\rhd$). \rhd [L]
math symbol: right harpoon down ($\rightharpoondown$). \rightharpoondown
math symbol: right harpoon up ($\rightharpoonup$). \rightharpoonup
math symbol: right hook (›). \rhook
math symbol: right left harpoon ($\rightleftharpoons$). \rightleftharpoons
math symbol: right moustache ($\rmoustache$). \rmoustache
math symbol: section (§). \S
math symbol: sharp ($\sharp$). \sharp
math symbol: small script L (ℓ). \ell
math symbol: southeast arrow ($\searrow$). \searrow
math symbol: southwest arrow ($\swarrow$). \swarrow
math symbol: spade suit ($\spadesuit$). \spadesuit
math symbol: square subset ($\sqsubset$). \sqsubset [L]
math symbol: square superset ($\sqsupset$). \sqsupset [L]
math symbol: surd ($\surd$). \surd
define a symbol that will work properly in text and script sizes. \mathpalette
math symbol: top ($\top$). \top
math symbol: triangle ($\triangle$). \triangle
math symbol: underlined left half diamond ($\unlhd$). \unlhd [L]
math symbol: underlined right half diamond ($\unrhd$). \unrhd [L]
math symbol: up-and-down double arrow ($\Updownarrow$). \Updownarrow
math symbol: upward double arrow ($\Uparrow$). \Uparrow
math symbol: vertical bar ($\arrowvert$). \arrowvert
math symbol: vertical bar ($\|$). \|
math symbol: vertical dots ($\vdots$). \vdots
math symbol: Weierstrass p ($\wp$). \wp
lower dot math symbol with special spacing. \ldotp
internal Plain TeX operation to define math text symbols. \mathhexbox
put symbols over math relations. \buildrel
define a synonym for the current meaning of a control sequence. \let *
space between aligned tab entries. \tabskip *
move to next tab position in tabbing environment. \> [L]
define a tab stop in tabbing environment. \= [L]
unindents left margin one tab stop in tabbing environment. \- [L]
indents left margin one tab stop in tabbing environment. \+ [L]
save current tab stops in tabbing environment. \pushtabs [L]
begin a tabbed line in an inner environment. \tabalign
begin a tabbed line in an outer environment. \+
produce TeX accents in tabbing environment. \a [L]
discard current line in tabbing environment. \kill [L]
cancel effect of one \+ command in tabbing environment. \< [L]
define a tab stop in tabbing environment. \= [L]

	move to next tab position in	tabbing environment.	\>	L
	put text flush right in a column in	tabbing environment.	\'	L
	unindents left margin one tab stop in	tabbing environment.	\-	L
	restore tabs stops in	tabbing environment.	\poptabs	L
	save current tab stops in	tabbing environment.	\pushtabs	L
	indents left margin one tab stop in	tabbing environment.	\+	L
	distance left by \' command between	tabbing fields.	\tabbingsep	L
	adds an entry to the specified list or	table.	\addcontentsline	L
	create an aligned	table.	\halign	*
	create a multicolumn entry in an aligned	table.	\span	*
	add text to	table contents, figures, or tables.	\addtocontents	L
	generate a	table of contents.	\tableofcontents	L
	add text to table contents, figures, or	tables.	\addtocontents	L
	generate a list of	tables.	\listoftables	L
page.	flush figures and	tables and start a new right-hand	\cleardoublepage	L
	reset	tabs.	\cleartabs	
	define horizontal	tabs.	\settabs	
	box containing current	tabs.	\tabs	
	restore	tabs stops in tabbing environment.	\poptabs	L
	start an \halign with	\tabskip initialized to zero.	\ialign	
	space between rows of array or	tabular environment.	\arraystretch	L
	multicolumn line in array or	tabular environment.	\cline	L
	double rule separation in array or	tabular environment.	\doublerulesep	L
	add extra space before a column in array or	tabular environment.	\extracolsep	L
	multicolumn entry in array or	tabular environment.	\multicolumn	L
	half the width separating columns in a	tabular environment.	\tabcolsep	L
	horizontal line in array and	tabular environments.	\hline	L
	vertical line in array and	tabular environments.	\vline	L
	math function: arc	tangent.	\arctan	
	math function:	tangent.	\tan	
	math function: hyperbolic	tangent.	\tanh	
	math Greek letter:	tau (τ).	\tau	
entry.	suppress the	template in the alignment preamble for this	\omit	*
	math operator:	tensor product, circle times ($\otimes$).	\otimes	
	write balanced error message to the	terminal.	\errmessage	*
	write balanced text to	terminal.	\message	*
	show diagnostics on the	terminal.	\tracingonline	*
	execute a command from the	terminal.	\typein	L
	write a message on the	terminal.	\typeout	L
		terminate a \csname token list.	\endcsname	*
		terminate LaTeX and flush the final page.	\stop	L
		terminate TeX.	\end	*
INITEX only.		terminate TeX and write a format file:	\dump	*
	en entry in a file of index	terms.	\indexentry	L
		test always false.	\iffalse	*
		test always succeeds.	\iftrue	*
		test category codes.	\ifcat	*
		test for a horizontal box.	\ifhbox	*
		test for a vertical box.	\ifvbox	*
		test for an empty box.	\ifvoid	*
		test for an internal mode.	\ifinner	*
		test for end of file.	\ifeof	*
		test for horizontal mode.	\ifhmode	*

	test for math mode.	\ifmmode [*]
	test for odd integer.	\ifodd [*]
	test for vertical mode.	\ifvmode [*]
	test the next character.	\@ifnextchar [L]
	test two dimensions.	\ifdim [*]
	test two integers.	\ifnum [*]
terminate	TeX.	\end [*]
produce	TeX accents in tabbing environment.	\a [L]
terminate	TeX and write a format file: INITEX only.	\dump [*]
name of current	TeX format package.	\fmtname
version of current	TeX format package.	\fmtversion
pause for normal errors while processing	TeX input.	\errorstopmode [*]
errors. process	TeX input without pausing for normal	\scrollmode [*]
	TeX primitive \par.	\@@par [L]
space between columns in double column	text.	\columnsep [L]
end a line in \halign aligned	text.	\cr [*]
rule between double-column floats and	text.	\dblfigrule [L]
space between double-column floats and	text.	\dbltextfloatsep [L]
define a macro with expanded replacement	text.	\edef [*]
equivalent to \cr, end of aligned	text.	\endline
insert a footnote mark without	text.	\footnotemark [L]
macro to draw the rule separating footnotes from	text.	\footnoterule [L]
put a frame around some	text.	\frame [L]
space between page header and	text.	\headsep [L]
distance between marginal note and	text.	\marginparsep [L]
define kerning around math in	text.	\mathsurround [*]
verbatim line breaks in input	text.	\obeylines
verbatim spaces in input	text.	\obeyspaces
suppress bottom justification of page	text.	\raggedbottom
set a length command to width of	text.	\settowidth [L]
space between floats and the	text.	\textfloatsep [L]
select font for non-math	text.	\textfont [*]
size of column that must contain	text.	\textfraction [L]
place rule between top floats and	text.	\topfigrule [L]
generate a short amount of verbatim	text.	\verb [L]
define a global macro with expanded replacement	text.	\xdef [*]
place rule between	text and bottom floats.	\botfigrule [L]
space between main	text and footnotes.	\footins [L]
space between	text and page footer.	\footskip [L]
define a symbol that will work properly in	text and script sizes.	\mathpalette
insert	text at the top of the page.	\topinsert
tokens to insert when math in	text begins.	\everymath [*]
height of	text, excluding head and foot.	\textheight [L]
mark	text first encountered in a split box.	\splitfirstmark [*]
mark	text first encountered on page just boxed.	\firstmark [*]
environment. put	text flush right in a column in tabbing	\' [L]
center	text in a line.	\centerline
create an underlined box with	text in it.	\underline [L]
include balanced	text in DVI file for post-processing.	\special [*]
place balanced	text into a mark item on the current list.	\mark [*]
10 point	text italic font.	\tenit
mark	text last encountered in a split box.	\splitbotmark [*]
mark	text last encountered on page just boxed.	\botmark [*]

	flush	text left on a line.	\leftline
	space between a label and	text of a list item.	\labelsep[L]
	flush right	text on a line.	\rightline
	height of	text on a page or \vbox.	\vsize[*]
	length of	text preceding a display.	\predisplaysize[*]
	internal Plain TeX operation to define math	text symbols.	\mathhexbox
	translate balanced	text to lower-case.	\lowercase[*]
	add	text to table contents, figures, or tables.	\addtocontents[L]
	write balanced	text to terminal.	\message[*]
	create a zero-width box with	text to the left.	\llap
	create a zero-width box with	text to the right.	\rlap
	translate balanced	text to upper-case.	\uppercase[*]
formatted.	define where	text will be inserted when the page is	\insert[*]
	produce footnote	text without a mark.	\footnotetext[L]
	select font four steps larger	than normal size.	\huge[L]
	select font one step larger	than normal size.	\large[L]
	select font three steps larger	than normal size.	\LARGE[L]
	select font two steps larger	than normal size.	\Large[L]
	define a new	theorem environment.	\newtheorem[L]
environment.	begin	theorem with special format in math	\proclaim
	math Greek letter:	theta (θ).	\theta
	math Greek letter: capital	theta (Θ).	\Theta
	math Greek letter: variant	theta (ϑ).	\vartheta
		thick lines for lines and circles.	\thicklines[L]
		thick space in math formulas.	\thickmuskip[*]
		thick space (math mode).	\;
	fraction with rule	thickness.	\above[*]
		thickness of rule surrounding framed box.	\fboxrule[L]
		thin lines for lines and circles.	\thinlines[L]
	math mode negative	thin space.	\!
		thin space in math formulas.	\thinmuskip[*]
		thin space (math mode).	\,
	current value of the	third-level item counter.	\theenumiii[L]
		third-level item in an index.	\subsubitem[L]
	mark denoting	third-level items.	\labelitemiii[L]
	width of left margin in	third-level list.	\leftmarginiii[L]
		tie-after accent (o͡o).	\t
		tilde accent (ñ).	\~
	math accent:	tilde ($\tilde{x}$).	\tilde
	math accent: wide	tilde ($\widetilde{x}$).	\widetilde
space.	unbreakable	tiny negative math mode horizontal	\negthinspace
	produce the	title.	\maketitle[L]
	declare the	title.	\title[L]
	additional authors on	title page.	\and[L]
	date on	title page.	\date[L]
	add footnote to	title page.	\thanks[L]
		title page author.	\author[L]
	display	today's date.	\today[L]
	internal Plain TeX command to piece	together long arrows.	\joinrel
	expand the token following the next	token.	\expandafter[*]
	give a token list defining the semantics of a	token.	\meaning[*]
	show a	token.	\show[*]
	insert a	token after the current group is completed.	\aftergroup[*]

command.	insert a	token after the next assignment ...	\afterassignment*
	expand the	token following the next token.	\expandafter*
	terminate a \csname	token list.	\endcsname*
	give a	token list defining the semantics of a token.	\meaning*
	use a	token list register.	\toks*
	define a name for a	token list register.	\toksdef*
	write a	token list to a file.	\write*
	allocate a new	token register.	\newtoks
	convert a number to a	token string.	\number*
	assigns the second	token to a control sequence and continues.	\futurelet*
	an empty list of	tokens.	\empty
	character in the output of control sequence	tokens. escape	\escapechar*
	compare	tokens.	\ifx*
	expand a control sequence into character	tokens.	\string*
	begin expanding	tokens to construct a command name.	\csname*
nonredundant \crcr.		tokens to insert after every \cr or	\everycr*
		tokens to insert when a paragraph begins. .	\everypar*
		tokens to insert when a vbox begins.	\everyvbox*
		tokens to insert when an hbox begins.	\everyhbox*
begins.		tokens to insert when display math ...	\everydisplay*
		tokens to insert when math in text begins.	\everymath*
		tokens to insert when the job begins.	\everyjob*
	read, expand, then ignore	tokens until a non-space is found.	\ignorespaces*
	badness	tolerance after hyphenation.	\tolerance*
attempted.	badness	tolerance before hyphenation is	\pretolerance*
	vertical mode material with the baseline at the	top. create a box with	\vtop*
	fraction of two-column page for	top floats.	\dbltopfraction L
	fraction of column for	top floats.	\topfraction L
	place rule between	top floats and text.	\topfigrule L
	space at the	top of a page.	\topskip*
	insertion class for inserts at the	top of a page.	\topins
	space at	top of a split box.	\splittopskip*
	extra space added to	top of page.	\topmargin L
	penalty for creating a widow line at	top of page.	\widowpenalty*
	insert text at the	top of the page.	\topinsert
	math symbol:	top ($\top$).	\top
		trace output processing.	\showoutput L
		translate balanced text to lower-case.	\lowercase*
		translate balanced text to upper-case.	\uppercase*
	math operator: large down	triangle ($\bigtriangledown$).	\bigtriangledown
	math operator: large up	triangle ($\bigtriangleup$).	\bigtriangleup
	math symbol:	triangle ($\triangle$).	\triangle
	math operator: left	triangle ($\triangleleft$).	\triangleleft
	math operator: right	triangle ($\triangleright$).	\triangleright
	fraction of	two-column page for top floats.	\dbltopfraction L
	set a character's processing category	type.	\catcode*
	set a math character's processing category	type.	\mathcode*
		typeset page number.	\folio
	11 point	typewriter font.	\elvtt L
	9 point	typewriter font.	\nintt L
	10 point	typewriter font.	\tentt
	select	typewriter font.	\tt
	12 point	typewriter font.	\twltt L

		typewriter font family.	\ttfam
	suppress right justification of	typewriter font lines.	\ttraggedright
	math operator: large	U plus ($\biguplus$).	\biguplus
	math operator:	U plus ($\uplus$).	\uplus
	diæresis or	umlaut accent (ẍ).	\"
	long Hungarian	umlaut accent (ő).	\H
	insert	unaligned material in \halign or \valign.	\noalign*
	show	unassignments when groups end.	\tracingrestores*
vertical list.		un-box a copy of a vbox and add it to the	\unvcopy*
horizontal list.		un-box a copy of an hbox and add it to the	\unhcopy*
		un-box a vbox and add it to the vertical list.	\unvbox*
list.		un-box an hbox and add it to the horizontal	\unhbox*
		unbreakable small horizontal space.	\enspace
		unbreakable small horizontal space.	\thinspace
		unbreakable space.	~
horizontal space.		unbreakable tiny negative math mode	\negthinspace
	an	undefined control sequence.	\undefined
	draw a line	under a formula.	\underline*
	horizontal brace	under a math formula.	\underbrace
	put a math field	under a radical.	\radical*
	dot	under accent (ạ).	\d
	math accent: bar	under ($\underline{x}$).	\b
	create a box with an	underline.	\underbar
	create an	underlined box with text in it.	\underline[L]
	math symbol:	underlined left half diamond ($\unlhd$).	\unlhd[L]
	math symbol:	underlined right half diamond ($\unrhd$).	\unrhd[L]
		underscore symbol.	_
environment.		unindents left margin one tab stop in tabbing	\-[L]
	math operator:	union or cup ($\cup$).	\cup
		unit of distance in picture environment.	\unitlength[L]
		unit of measure for opening up displays.	\jot
	set sectional	units to appendix style.	\appendix[L]
\lfill.	an	unoriented skip amount with stretch of	\fill[L]
		unselect bold math italic and symbol fonts.	\unboldmath[L]
	define an	unusual paragraph shape.	\parshape*
	math delimiter:	up-and-down arrow ($\updownarrow$).	\updownarrow
	math symbol:	up-and-down double arrow ($\Updownarrow$).	\Updownarrow
		upper bound on output routine calls.	\maxdeadcycles*
		upper left piece of a horizontal brace.	\bracelu
		upper right piece of a horizontal brace.	\braceru
	translate balanced text to	upper-case.	\uppercase*
		upper-case code for a character.	\uccode*
	display counter as	upper-case letter.	\Alph[L]
	display counter as	upper-case Roman numerals.	\Roman[L]
	Polish letter:	upper-case slashed L (Ł).	\L
	math Greek letter:	upsilon (υ).	\upsilon
	math Greek letter: capital	upsilon (Υ).	\Upsilon
	math delimiter:	upward arrow ($\uparrow$).	\uparrow
	fill a space with an	upward brace.	\upbracefill
	math symbol:	upward double arrow ($\Uparrow$).	\Uparrow
	show statistics about memory	usage.	\tracingstats*
	redefinable scratch control sequence	used by \dospecials.	\do
	internal Plain TEX space	used for centering.	\centering

current language	used for hyphenation.	\language [3]
define a new language to be	used for hyphenation.	\newlanguage [3]
specify language to be	used for hyphenation.	\setlanguage [3]
special Plain TEX space	used in alignment.	\hideskip
scratch control sequence	used in preloading fonts.	\preloaded
help message to display if	user asks for help.	\errhelp *
restores a carriage return to its	usual meaning.	\restorecr [L]
math join operator: large	V ($\bigvee$).	\bigvee
math relation: dash	V ($\dashv$).	\dashv
math binary operator: join or	V ($\vee$).	\vee
field separator in \halign or	\valign.	& *
insert unaligned material in \halign or	\valign.	\noalign *
divide a register by a	value.	\divide *
multiply a register by a	value.	\multiply *
set	value of a counter.	\setcounter [L]
produce the	value of a counter.	\value [L]
increment the	value of a length command.	\addtolength [L]
was boxed.	value of \botmark just before current page	\topmark *
	value of normal \lineskip.	\normallineskip
\lineskiplimit.	value of normal	\normallineskiplimit
current	value of the fifth-level item counter.	\theenumv [L]
current	value of the figure counter.	\thefigure [L]
current	value of the first-level item counter.	\theenumi [L]
current	value of the fourth-level item counter.	\theenumiv [L]
current	value of the second-level item counter.	\theenumii [L]
current	value of the sixth-level item counter.	\theenumvi [L]
current	value of the third-level item counter.	\theenumiii [L]
set line spacing to normal	values.	\normalbaselines
define a new counter	variable.	\newcounter [L]
ratio for	variable delimiters times 1000.	\delimiterfactor *
math Greek letter:	variant epsilon (ε).	\varepsilon
math Greek letter:	variant phi (φ).	\varphi
math Greek letter:	variant pi (ϖ).	\varpi
math Greek letter:	variant rho (ϱ).	\varrho
math Greek letter:	variant sigma (ς).	\varsigma
math Greek letter:	variant theta (ϑ).	\vartheta
height of text on a page or	\vbox.	\vsize *
split off a specified amount from a	vbox.	\vsplit *
un-box a	vbox and add it to the vertical list.	\unvbox *
un-box a copy of a	vbox and add it to the vertical list.	\unvcopy *
tokens to insert when a	vbox begins.	\everyvbox *
maximum overrun before overfull	vbox error.	\vfuzz *
limit for bad	vbox errors.	\vbadness *
store an hbox or	vbox in a box register.	\setbox *
create a centered	vbox in a math list.	\vcenter *
create a zero-width	vbox the height and depth of a formula.	\vphantom
math accent:	vector ($\vec{x}$).	\vec
	vector in a picture environment.	\vector [L]
	verbatim line breaks in input text.	\obeylines
	verbatim spaces in input text.	\obeyspaces
generate a short amount of	verbatim text.	\verb [L]
	version of current TEX format package.	\fmtversion

	math symbol:	vertical bar ($\arrowvert$).	\arrowvert
	math symbol: double	vertical bar ($\Arrowvert$).	\Arrowvert
	math symbol:	vertical bar ($\|$).	\\\|
	math delimiter:	vertical bar ($\vert$).	\vert
	math delimiter: double	vertical bar ($\Vert$).	\Vert
	test for a	vertical box.	\ifvbox*
	suppress interline space before next	vertical box.	\nointerlineskip
	piece of a	vertical brace ($\bracevert$).	\bracevert
	large	vertical break.	\bigskip
	math symbol:	vertical dots ($\vdots$).	\vdots
environments.		vertical line in array and tabular	\vline[L]
	minimum space between lines in a	vertical list.	\lineskiplimit*
	depth of the last box on the	vertical list.	\prevdepth*
	un-box a vbox and add it to the	vertical list.	\unvbox*
	un-box a copy of a vbox and add it to the	vertical list.	\unvcopy*
	place a footnote in a caption or other	vertical list.	\vfootnote
	produce a	vertical list of the body of a page.	\pagecontents
	add a box to the	vertical list shifted left.	\moveleft*
	add a box to the	vertical list shifted right.	\moveright*
	insert	vertical material into a paragraph.	\vadjust*
	test for	vertical mode.	\ifvmode*
	switch to horizontal mode from	vertical mode.	\leavevmode
	create a box with	vertical mode material.	\vbox*
the top.	create a box with	vertical mode material with the baseline at .	\vtop*
		vertical offset of a page.	\voffset*
	produce a	vertical rule.	\vrule*
		vertical skip a large amount.	\bigskip[L]
		vertical skip a medium amount.	\medskip[L]
		vertical skip a small amount.	\smallskip[L]
	add extra	vertical space.	\addvspace[L]
	medium	vertical space.	\medskip
	small	vertical space.	\smallskip
	infinitely stretchable	vertical space.	\vfil*
	more infinitely stretchable	vertical space.	\vfill*
	cancel infinitely stretchable	vertical space.	\vfilneg*
	create some	vertical space.	\vglue
	add	vertical space.	\vskip*
	skip	vertical space.	\vspace[L]
	infinitely stretchable and shrinkable	vertical space.	\vss*
	small	vertical space and a good page break.	\smallbreak
a page.		vertical space around a float in the middle of	\intextsep[L]
		vertical space between marginal notes.	\marginparpush[L]
	large	vertical space or a good page break.	\bigbreak
	medium	vertical space or a good page break.	\medbreak
paragraph.	extra	vertical space when environment starts a .	\partopsep[L]
		vertical strut to preserve line spacing.	\strut
	math meet operator: large	wedge ($\bigwedge$).	\bigwedge
	math symbol:	Weierstrass p ($\wp$).	\wp
formatted.	define	where text will be inserted when the page is	\insert*
	10 point	wide circle font.	\tencircw[L]
	math accent:	wide hat ($\widehat{x}$).	\widehat

10 point	wide line font.	\tenlnw [L]
math accent:	wide tilde ($\widetilde{x}$).	\widetilde
penalty for creating a	widow line at top of page.	\widowpenalty [*]
penalty for creating a	widow line before a display.	\displaywidowpenalty [*]
create a box of current line	width.	\line
label	width in a list environment.	\labelwidth [L]
	width of a box.	\wd [*]
	width of a column.	\columnwidth [L]
	width of a displayed equation.	\displaywidth [*]
create a zero-height hbox with the	width of a formula.	\hphantom
	width of a null delimiter.	\nulldelimiterspace [*]
	width of a paragraph or \hbox.	\hsize [*]
set	width of array rules.	\arrayrulewidth [L]
	width of left margin in fifth-level list.	\leftmarginv [L]
	width of left margin in first-level list.	\leftmargini [L]
	width of left margin in fourth-level list.	\leftmarginiv [L]
	width of left margin in second-level list.	\leftmarginii [L]
	width of left margin in sixth-level list.	\leftmarginvi [L]
	width of left margin in third-level list.	\leftmarginiii [L]
set	width of lines in picture environment.	\linethickness [L]
	width of marginal notes.	\marginparwidth [L]
	width of printing on page.	\textwidth [L]
columns.	width of rule separating double	\columnseprule [L]
boxes.	width of rules appended to overfull	\overfullrule [*]
set a length command to	width of text.	\settowidth [L]
	width of the current line.	\linewidth [L]
environment. half the	width separating columns in a tabular	\tabcolsep [L]
of characters before hyphenation at the start of a	word. minimum number	\lefthyphenposition [3]
of characters after hyphenation at the end of a	word. minimum number	\righthyphenposition [3]
	word delimiter character.	\boundarychar [3]
show hyphenations of given	words.	\showhyphens
space between	words.	\spaceskip [*]
define a symbol that will	work properly in text and script sizes.	\mathpalette
math binary operator:	wreath product ($\wr$).	\wr
terminate TeX and	write a format file: INITEX only.	\dump [*]
	write a glossary entry.	\glossary [L]
	write a message on the terminal.	\typeout [L]
	write a token list to a file.	\write [*]
terminal.	write balanced error message to the	\errmessage [*]
	write balanced text to terminal.	\message [*]
perform a \read or	\write immediately.	\immediate [*]
character that starts a new output line in a	write statement.	\newlinechar [*]
	write to the log file only.	\wlog
suppress	writing all auxiliary files.	\nofiles [L]
math Greek letter:	xi (ξ).	\xi
math Greek letter: capital	xi (Ξ).	\Xi
current month of the	year.	\month [*]
start an \halign with \tabskip initialized to	zero.	\ialign
create a formula with	zero height.	\smash
align	zero or more columns.	\valign [*]
create a	zero-height hbox with the width of a formula.	\hphantom
create a	zero-width box with text to the left.	\llap
create a	zero-width box with text to the right.	\rlap

create a zero-width vbox the height and depth of a . `\vphantom`
math Greek letter: zeta (ζ). . . . . `\zeta`

Chapter 3

Primitive and Plain TeX commands

This is a list of the TeX primitives and the Plain TeX commands. Primitives are marked with an asterisk. TeX version 3 commands are marked with a '3'.

`*␣` space character.
`~` unbreakable space.
`*$` enter math mode.
`*$$` enter display math mode.
`%` begin comment.
`*&` field separator in `\halign` or `\valign`.
`*\␣` control space.
`\!` math mode negative thin space.
`\#` pound, hatch mark, sharp sign, octothorpe (#).
`\$` dollar sign.
`\%` percent sign (%).
`\&` ampersand.
`\'` acute accent (é).
`\*` math operator: discretionary multiply sign.
`\+` begin a tabbed line in an outer environment.
`\,` thin space (math mode).
`*\-` discretionary hyphen.
`\.` dot accent (ẋ).
`*\/` italic correction.
`\;` thick space (math mode).
`\=` macron or bar accent (ō).
`\>` medium space in math mode.
`\{` open brace symbol.
`\}` close brace symbol.
`\^` circumflex accent (ô).
`\_` underscore symbol.
`` \` `` grave accent (è).
`\|` math symbol: vertical bar ($\|$).
`\~` tilde accent (ñ).
`\"` diæresis or umlaut accent (ẍ).
`\aa` symbol å.
`\AA` symbol capital Å.
`*\above` fraction with rule thickness.
`*\abovedisplayshortskip` extra space above displays following short lines.
`*\abovedisplayskip` extra space above displays.
`*\abovewithdelims` fraction with specified rule and delimiters.
`*\accent` put an accent over the next character.
`\active` category code for active characters.
`\acute` math accent: acute ($\acute{x}$).
`*\adjdemerits` demerits for adjacent incompatible lines.
`*\advance` perform arithmetic on a register.
`\advancepageno` advance `\pageno` by one.
`\ae` ligature digraph symbol ae (æ).
`\AE` ligature digraph symbol capital AE (Æ).
`*\afterassignment` insert a token after the next assignment command.
`*\aftergroup` insert a token after the current group is completed.
`\aleph` math symbol: aleph ($\aleph$).
`\allocationnumber` most recently allocated register number.
`\allowbreak` allow a line break.
`\alpha` math Greek letter: alpha (α).
`\amalg` math operator: amalgamated sum, co-product ($\amalg$).
`\angle` angle symbol ($\angle$).
`\approx` math relation: approximately equal ($\approx$).
`\arccos` math function: arc cosine.
`\arcsin` math function: arc sine.
`\arctan` math function: arc tangent.
`\arg` math function: arg.
`\arrowvert` math symbol: vertical bar ($\big\arrowvert$).
`\Arrowvert` math symbol: double vertical bar ($\big\Arrowvert$).
`\ast` math operator: asterisk ($\ast$).

`\asymp` math relation: asymptote ($\asymp$).
*`\atop` fraction without rule.
*`\atopwithdelims` fraction without rule with given delimiters.
`\b` math accent: bar under ($\underline{x}$).
`\backslash` math delimiter: backslash ($\backslash$).
[3]`\badness` badness of a box.
`\bar` math accent: bar ($\bar{x}$).
*`\baselineskip` normal space between lines.
*`\batchmode` process input without displaying errors.
*`\begingroup` begin a group.
`\beginsection` mark the beginning of a major subdivision.
*`\belowdisplayshortskip` extra space just below displays following short lines.
*`\belowdisplayskip` extra space just below displays.
`\beta` math Greek letter: beta (β).
`\bf` select bold extended font.
`\bffam` bold font family.
`\bgroup` begin a group.
`\big` 1-line math delimiter size.
`\Big` 1.5-line math delimiter size.
`\bigbreak` large vertical space or a good page break.
`\bigcap` math operator: large cap ($\bigcap$).
`\bigcirc` math operator: large circle ($\bigcirc$).
`\bigcup` math operator: large cup ($\bigcup$).
`\bigg` 2-line math delimiter size.
`\Bigg` 2.5-line math delimiter size.
`\biggl` 2-line left math delimiter.
`\Biggl` 2.5-line left math delimiter.
`\biggm` 2-line middle math delimiter.
`\Biggm` 2.5-line middle math delimiter.
`\biggr` 2-line right math delimiter.
`\Biggr` 2.5-line right math delimiter.
`\bigl` 1-line left math delimiter.
`\Bigl` 1.5-line left math delimiter.
`\bigm` 1-line middle math delimiter.
`\Bigm` 1.5-line middle math delimiter.
`\bigodot` math operator: large circle with dot ($\bigodot$).
`\bigoplus` math operator: large circle with plus ($\bigoplus$).
`\bigotimes` math operator: large circle with times ($\bigotimes$).
`\bigr` 1-line right math delimiter.
`\Bigr` 1.5-line right math delimiter.
`\bigskip` large vertical break.
`\bigskipamount` `\bigskip` space.
`\bigsqcup` math operator: large square cup ($\bigsqcup$).
`\bigtriangledown` math operator: large down triangle ($\bigtriangledown$).
`\bigtriangleup` math operator: large up triangle ($\bigtriangleup$).
`\biguplus` math operator: large U plus ($\biguplus$).
`\bigvee` math join operator: large V ($\bigvee$).
`\bigwedge` math meet operator: large wedge ($\bigwedge$).
*`\binoppenalty` penalty for line break after binary operation.
`\bmod` math operator: binary modulo (mod).
`\bordermatrix` generate a matrix labeled on rows and columns.
`\bot` math symbol: bottom ($\bot$).
*`\botmark` mark text last encountered on page just boxed.
[3]`\boundarychar` word delimiter character.
`\bowtie` math relation: bowtie ($\bowtie$).
*`\box` use a box.
*`\boxmaxdepth` maximum depth of boxes on explicit pages.
`\brace` fraction without a rule with braces.
`\braceld` lower left piece of a horizontal brace.
`\bracelu` upper left piece of a horizontal brace.
`\bracerd` lower right piece of a horizontal brace.
`\braceru` upper right piece of a horizontal brace.
`\bracevert` piece of a vertical brace ($\big|$).
`\brack` fraction without a rule with brackets.
`\break` force a line break.
`\breve` math accent: breve ($\breve{x}$).
*`\brokenpenalty` penalty if page break after hyphenated line.
`\buildrel` put symbols over math relations.
`\bullet` math operator: bullet ($\bullet$).
`\bye` finish processing input.
`\c` cedilla accent (ç).
`\cal` math mode calligraphic letters font.
`\cap` math operator: intersection or cap ($\cap$).
`\cases` generate a matrix with a left brace delimiter.
*`\catcode` set a character's processing category type.
`\cdot` math operator: centered dot ($\cdot$).
`\cdotp` centered dot with special spacing in math mode.
`\cdots` three centered dots in math mode ($\cdots$).
`\centering` internal Plain TEX space used for centering.
`\centerline` center text in a line.

*\char specify a character by its numeric code.
*\chardef define a name for a character.
\check math accent: check ($\check{x}$).
\chi math Greek letter: chi (χ).
\choose fraction without a rule with parentheses.
\circ math operator: circle ($\circ$).
*\cleaders surround a space with a repeated box or rule.
\cleartabs reset tabs.
*\closein close an input file.
*\closeout close an output file.
*\clubpenalty penalty if page break after first line of paragraph.
\clubsuit math symbol: club suit ($\clubsuit$).
\colon colon in a math formula.
\columns end a \settabs definition.
\cong math relation: congruent ($\cong$).
\coprod math operator: large co-product ($\coprod$).
*\copy use a copy of a box.
\copyright copyright symbol (©).
\cos math function: cosine.
\cosh math function: hyperbolic cosine.
\cot math function: cotangent.
\coth math function: hyperbolic cotangent.
*\count use a count register.
*\countdef define a name for a count register.
*\cr end a line in \halign aligned text.
*\crcr ensure a \cr in \halign.
\csc math function: cosecant.
*\csname begin expanding tokens to construct a command name.
\cup math operator: union or cup ($\cup$).
\d dot under accent (ẋ).
\dag dagger symbol (†).
\dagger math operator: dagger ($\dagger$).
\dashv math relation: dash V ($\dashv$).
*\day current day of the month.
\ddag double dagger symbol (‡).
\ddagger math operator: double dagger ($\ddagger$).
\ddot math accent: double dot ($\ddot{x}$).
\ddots three diagonal dots in math mode ($\ddots$).
*\deadcycles number of output routine calls since last \shipout.
*\def define a macro.
*\defaulthyphenchar default hyphen when a font is loaded.
*\defaultskewchar default horizontal kern character to position accents.
\deg math function: degree of a polynomial (deg).
*\delcode define a character as a delimiter.
*\delimiter define a delimiter for math mode.
*\delimiterfactor ratio for variable delimiters times 1000.
*\delimitershortfall amount by which delimiters can fail to span included material.
\delta math Greek letter: delta (δ).
\Delta math Greek letter: capital delta (Δ).
\det math function: det.
\diamond math operator: diamond ($\diamond$).
\diamondsuit math symbol: diamond suit ($\diamondsuit$).
\dim math function: dim.
*\dimen use a dimension register.
*\dimendef define a name for a dimension register.
*\discretionary append a discretionary item to the current list.
*\displayindent indentation of line for displayed equation.
*\displaylimits restore default limit placement on large math operators.
\displaylines display a stack of formulas without alignment.
*\displaystyle use normal math script style.
*\displaywidowpenalty penalty for creating a widow line before a display.
*\displaywidth width of a displayed equation.
\div math operator: div.
*\divide divide a register by a value.
\do redefinable scratch control sequence used by \dospecials.
\dospecials change the character code for a set of special characters.
\dosupereject flush insertions and eject to a new page.
\dot math accent: dot ($\dot{x}$).
\doteq math relation: dotted equal ($\doteq$).
\dotfill fill a space with dots.
\dots an ellipsis, equivalent to \ldots in math mode.
*\doublehyphendemerits demerits for consecutive broken lines.
\downarrow math symbol: down arrow ($\downarrow$).
\Downarrow math symbol: downward double arrow ($\Downarrow$).
\downbracefill fill a space with a downward brace.
*\dp depth of a box.
*\dump terminate TEX and write a format file: INITEX only.
*\edef define a macro with expanded replacement text.
\egroup end a group.

`\eject` force a page break.
`\ell` math symbol: small script L (ℓ).
*`\else` alternative to an `\if`.
[3]`\emergencystretch` extra space in badly-stretched lines.
`\empty` an empty list of tokens.
`\emptyset` math symbol: empty set ($\emptyset$).
*`\end` terminate TeX.
*`\endcsname` terminate a `\csname` token list.
`\endgraf` equivalent to `\par`.
*`\endgroup` end a group.
*`\endinput` stop reading current input file at the end of the current line.
`\endinsert` end of an insert.
`\endline` equivalent to `\cr`, end of aligned text.
*`\endlinechar` character placed at the right end of an input line.
`\enskip` breakable small horizontal skip.
`\enspace` unbreakable small horizontal space.
`\epsilon` math Greek letter: epsilon (ϵ).
`\eqalign` align a stack of equations.
`\eqalignno` align a stack of equations with equation numbers.
*`\eqno` equation number.
`\equiv` math relation: equivalence ($\equiv$).
*`\errhelp` help message to display if user asks for help.
*`\errmessage` write balanced error message to the terminal.
[3]`\errorcontextlines` number of lines of context to be displayed in an error message.
*`\errorstopmode` pause for normal errors while processing TeX input.
*`\escapechar` escape character in the output of control sequence tokens.
`\eta` math Greek letter: eta (η).
*`\everycr` tokens to insert after every `\cr` or nonredundant `\crcr`.
*`\everydisplay` tokens to insert when display math begins.
*`\everyhbox` tokens to insert when an hbox begins.
*`\everyjob` tokens to insert when the job begins.
*`\everymath` tokens to insert when math in text begins.
*`\everypar` tokens to insert when a paragraph begins.
*`\everyvbox` tokens to insert when a vbox begins.
*`\exhyphenpenalty` penalty for line break after explicit hyphen.
`\exists` math symbol: exists quantifier ($\exists$).
`\exp` math function: exp.
*`\expandafter` expand the token following the next token.
*`\fam` current family number.
*`\fi` end of an `\if` clause.
`\filbreak` break a page unless there is a better `\filbreak` below.
*`\finalhyphendemerits` demerits for a penultimate broken line.
*`\firstmark` mark text first encountered on page just boxed.
`\fivebf` 5 point boldface Roman font.
`\fivei` 5 point math italic font.
`\fiverm` 5 point Roman font.
`\fivesy` 5 point math symbol font.
`\flat` math symbol: flat ($\flat$).
*`\floatingpenalty` penalty for insertions that are split.
`\fmtname` name of current TeX format package.
`\fmtversion` version of current TeX format package.
`\folio` typeset page number.
*`\font` load a font.
*`\fontdimen` set a font-related parameter.
*`\fontname` gives the external file name for the given font.
`\footins` insertion class for footnote inserts.
`\footline` page foot line.
`\footnote` create a footnote.
`\footnoterule` define the rule separating a page and footnotes.
`\footstrut` ensure footnote line separation.
`\forall` math symbol: for-all quantifier ($\forall$).
`\frenchspacing` suppress special spacing after punctuation.
`\frown` math relation: frown ($\frown$).
*`\futurelet` assigns the second token to a control sequence and continues.
`\gamma` math Greek letter: gamma (γ).
`\Gamma` math Greek letter: capital gamma (Γ).
`\gcd` math function: gcd.
*`\gdef` define a macro globally.
`\ge` math relation: greater or equal ($\geq$).
`\geq` math relation: greater or equal ($\geq$).
`\gets` math relation: gets ($\gets$).
`\gg` math relation: much greater ($\gg$).
*`\global` the following macro definition or register setting is global.
*`\globaldefs` override `\global` specifications.
`\goodbreak` good page break.
`\grave` math accent: grave ($\grave{x}$).
`\H` long Hungarian umlaut accent (ő).
*`\halign` create an aligned table.

\hang indent second and subsequent lines in a paragraph by \parindent.
*\hangafter hanging indentation changes after specified number of lines.
*\hangindent set hanging indentation.
\hat math accent: hat ($\hat{x}$).
*\hbadness limit for bad hbox errors.
\hbar math symbol: Planck's constant or h-bar ($\hbar$).
*\hbox create a box with horizontal mode material.
\headline page head line.
\heartsuit math symbol: heart suit ($\heartsuit$).
*\hfil infinitely stretchable horizontal space.
*\hfill more infinitely stretchable horizontal space.
*\hfilneg cancel infinitely stretchable horizontal space.
*\hfuzz maximum overrun before overfull hbox messages occur.
\hglue create some horizontal space.
\hideskip special Plain TeX space used in alignment.
\hidewidth permit an alignment entry to stick out of its column.
*\hoffset horizontal offset of a page.
\hom math function: hom.
\hookleftarrow math symbol: hook left arrow ($\hookleftarrow$).
\hookrightarrow math symbol: hook right arrow ($\hookrightarrow$).
\hphantom create a zero-height hbox with the width of a formula.
*\hrule produce a horizontal rule.
\hrulefill fill a space with a rule.
*\hsize width of a paragraph or \hbox.
*\hskip add horizontal space.
*\hss infinitely stretchable and shrinkable horizontal space.
*\ht height of a box.
*\hyphenation insert words into hyphenation dictionary.
*\hyphenchar hyphenation character for this font.
*\hyphenpenalty penalty for line break after discretionary hyphen.
\i dotless i letter (ı).
\ialign start an \halign with \tabskip initialized to zero.
*\if compare two character codes.
*\ifcase select one of several entries determined by an integer.
*\ifcat test category codes.
*\ifdim test two dimensions.
*\ifeof test for end of file.
\iff math relation: if and only if ($\iff$).
*\iffalse test always false.
*\ifhbox test for a horizontal box.
*\ifhmode test for horizontal mode.
*\ifinner test for an internal mode.
*\ifmmode test for math mode.
*\ifnum test two integers.
*\ifodd test for odd integer.
*\iftrue test always succeeds.
*\ifvbox test for a vertical box.
*\ifvmode test for vertical mode.
*\ifvoid test for an empty box.
*\ifx compare tokens.
*\ignorespaces read, expand, then ignore tokens until a non-space is found.
\Im math symbol: imaginary, Fraktur I ($\Im$).
\imath math symbol: dotless i ($\imath$).
*\immediate perform a \read or \write immediately.
\in math relation: in ($\in$).
*\indent start a paragraph indented \parindent.
\inf math function: inf.
\infty math symbol: infinity (∞).
*\input read a file.
*\insert define where text will be inserted when the page is formatted.
*\insertpenalties sum of penalties for split insertions on the page.
\int math operator: integral ($\int$).
\interdisplaylinepenalty penalty for breaking between lines of a display.
\interfootnotelinepenalty penalty for breaking between lines of a footnote.
*\interlinepenalty additional penalty for page break between lines.
\iota math symbol: iota (ι).
\it select italic font.
\item display an item.
\itemitem display a sub-item.
\itfam italic font family.
\j dotless j letter (ȷ).
\jmath math symbol: dotless j ($\jmath$).
*\jobname name of the principal input file.
\joinrel internal Plain TeX command to piece together long arrows.
\jot unit of measure for opening up displays.
\kappa math Greek letter: kappa (κ).
\ker math function: ker.

*`\kern` kern a given distance.
`\l` Polish letter: slashed L (ł).
`\L` Polish letter: upper-case slashed L (Ł).
`\lambda` math Greek letter: lambda (λ).
`\Lambda` math Greek letter: capital lambda (Λ).
`\land` math operator: logical and ($\wedge$).
`\langle` math delimiter: left angle bracket ($\langle$).
3`\language` current language used for hyphenation.
*`\lastbox` fetch last box off the current list.
*`\lastkern` fetch last kern off the current list.
*`\lastpenalty` fetch last penalty off the current list.
*`\lastskip` fetch last skip off the current list.
`\lbrace` math delimiter: left curly brace ($\{$).
`\lbrack` math delimiter: left bracket ([).
*`\lccode` lower-case code for a character.
`\lceil` math delimiter: left ceiling bracket ($\lceil$).
`\ldotp` lower dot math symbol with special spacing.
`\ldots` three low dots in math mode ($\ldots$).
`\le` math relation: less or equal ($\le$).
*`\leaders` fill a space with a repeated box or rule.
`\leavevmode` switch to horizontal mode from vertical mode.
*`\left` begin a new math list with a left delimiter.
`\leftarrow` math symbol: left arrow ($\leftarrow$).
`\Leftarrow` math symbol: left double arrow ($\Leftarrow$).
`\leftarrowfill` fill a space with a left arrow.
`\leftharpoondown` math symbol: left harpoon down ($\leftharpoondown$).
`\leftharpoonup` math symbol: left harpoon up ($\leftharpoonup$).
3`\lefthyphenposition` minimum number of characters before hyphenation at the start of a word.
`\leftline` flush text left on a line.
`\leftrightarrow` math symbol: left-right arrow ($\leftrightarrow$).
`\Leftrightarrow` math symbol: left-right double arrow ($\Leftrightarrow$).
*`\leftskip` space to the left of a paragraph.
`\leq` math relation: less or equal ($\leq$).
`\leqalignno` align a stack of equations with left equation numbers.
*`\leqno` left equation number.
*`\let` define a synonym for the current meaning of a control sequence.
`\lfloor` math delimiter: left floor bracket ($\lfloor$).
`\lg` math function: lg.
`\lgroup` math delimiter: left group ($\lgroup$).
`\lhook` math symbol: left hook ($\lhook$).
`\lim` math function: lim.
`\liminf` math function: limit infimum ($liminf$).
*`\limits` place math limits above and below math operators.
`\limsup` math function: limit supremum ($limsup$).
`\line` create a box of current line width.
*`\linepenalty` amount added to badness of every line in a paragraph.
*`\lineskip` extra space between lines if `\baselineskip` isn't enough.
*`\lineskiplimit` minimum space between lines in a vertical list.
`\ll` math relation: much less ($\ll$).
`\llap` create a zero-width box with text to the left.
`\lmoustache` math symbol: left moustache ($\lmoustache$).
`\ln` math function: ln.
`\lnot` math operator: logical not, hook ($\neg$).
`\log` math function: log.
*`\long` the following macro may have multiple paragraphs as parameters.
`\longleftarrow` math symbol: long left arrow ($\longleftarrow$).
`\Longleftarrow` math symbol: long left double arrow ($\Longleftarrow$).
`\longleftrightarrow` math symbol: long left and right arrow ($\longleftrightarrow$).
`\Longleftrightarrow` math symbol: long left-right double arrow ($\Longleftrightarrow$).
`\longmapsto` math symbol: long maps to ($\longmapsto$).
`\longrightarrow` math symbol: long right arrow ($\longrightarrow$).
`\Longrightarrow` math symbol: long right double arrow ($\Longrightarrow$).
`\loop` begin a loop.
*`\looseness` force a change to the number of lines in a paragraph.
`\lor` math symbol: logical or ($\vee$).
*`\lower` lower a box a given distance.
*`\lowercase` translate balanced text to lower-case.
`\lq` math symbol: left quote (‘).
*`\mag` magnification ratio times 1000.
`\magnification` set the magnification for the document.
`\magstep` define font magnification.

`\magstephalf` use 11 point magnification.
`\makefootline` constructs a box with the page foot.
`\makeheadline` constructs a box with the page header.
`\mapsto` math symbol: maps to ($\mapsto$).
`\mapstochar` math symbol: maps to char ($\mapstochar$).
*`\mark` place balanced text into a mark item on the current list.
*`\mathaccent` place an accent over the next math field.
*`\mathbin` define a binary math operator.
*`\mathchar` specify a math character code.
*`\mathchardef` define a name for a math character.
*`\mathchoice` choose a math formula based on the current style.
*`\mathclose` select math spacing of a closing delimiter for the next item.
*`\mathcode` set a math character's processing category type.
`\mathhexbox` internal Plain TEX operation to define math text symbols.
*`\mathinner` define an inner math subformula.
*`\mathop` define a large math operator.
*`\mathopen` select math spacing of an opening delimiter for the next item.
*`\mathord` define an ordinary math operator.
`\mathpalette` define a symbol that will work properly in text and script sizes.
*`\mathpunct` define a math punctuation operator.
*`\mathrel` define a math relation operator.
`\mathstrut` math strut with height and depth of parentheses.
*`\mathsurround` define kerning around math in text.
`\matrix` generate a matrix without delimiters.
`\max` math function: max.
*`\maxdeadcycles` upper bound on output routine calls.
*`\maxdepth` maximum depth of boxes on main pages.
`\maxdimen` largest permissible dimension.
*`\meaning` give a token list defining the semantics of a token.
`\medbreak` medium vertical space or a good page break.
*`\medmuskip` medium space in math formulas.
`\medskip` medium vertical space.
`\medskipamount` `\medskip` space.
*`\message` write balanced text to terminal.
`\mid` math relation: mid ($|$).
`\midinsert` insert at current position in page.
`\min` math function: min.
`\mit` math mode italic font.
*`\mkern` kern in math mode.
`\models` math relation: models ($\models$).
*`\month` current month of the year.
*`\moveleft` add a box to the vertical list shifted left.
*`\moveright` add a box to the vertical list shifted right.
`\mp` math operator: minus plus ($\mp$).
*`\mskip` insert horizontal space in math mode.
`\mu` math Greek letter: mu (μ).
*`\multiply` multiply a register by a value.
`\multispan` span several columns in an alignment.
*`\muskip` math skip register.
*`\muskipdef` define a name for a math skip register.
`\nabla` math symbol: nabla (∇).
`\narrower` increase left and right margins by `\parindent`.
`\natural` math symbol: natural ($\natural$).
`\ne` math relation: not equal ($\neq$).
`\nearrow` math symbol: northeast arrow ($\nearrow$).
`\neg` math operator: negate ($\neg$).
`\negthinspace` unbreakable tiny negative math mode horizontal space.
`\neq` math relation: not equal ($\neq$).
`\newbox` allocate a new box register.
`\newcount` allocate a new count register.
`\newdimen` allocate a new dimension register.
`\newfam` define a new font family.
`\newhelp` define a new help message.
`\newif` define a new `\if` command.
`\newinsert` allocate a new insert register.
[3]`\newlanguage` define a new language to be used for hyphenation.
*`\newlinechar` character that starts a new output line in a write statement.
`\newmuskip` allocate a new math skip register.
`\newread` allocate a new input file.
`\newskip` allocate a new skip register.
`\newtoks` allocate a new token register.
`\newwrite` allocate a new output file.
`\ni` math relation: contains ($\ni$).
*`\noalign` insert unaligned material in `\halign` or `\valign`.
`\nobreak` prohibit a line or page break.
*`\noexpand` suppress expansion of a character.
*`\noindent` start a paragraph without indentation.
`\nointerlineskip` suppress interline space before next vertical box.

*`\nolimits` place superscripts and subscripts after math operators.

`\nonfrenchspacing` enable special spacing after punctuation.

*`\nonscript` suppress space in script and small script styles.

*`\nonstopmode` process input without stopping for errors.

`\nopagenumbers` suppress page numbers.

`\normalbaselines` set line spacing to normal values.

`\normalbaselineskip` normal `\baselineskip`.

`\normalbottom` justify page bottoms to the same height.

`\normallineskip` value of normal `\lineskip`.

`\normallineskiplimit` value of normal `\lineskiplimit`.

`\not` math operator: not ($/$).

`\not=` math relation: not equal ($\neq$).

`\notin` math operator: not in ($\notin$).

`\nu` math Greek letter: nu (ν).

`\null` an empty hbox.

*`\nulldelimiterspace` width of a null delimiter.

*`\nullfont` a font with no characters.

*`\number` convert a number to a token string.

`\nwarrow` math symbol: northwest arrow ($\nwarrow$).

`\o` Norwegian letter: o with slash (ø).

`\O` Norwegian letter: capital o with slash (Ø).

`\obeylines` verbatim line breaks in input text.

`\obeyspaces` verbatim spaces in input text.

`\odot` math operator: circle dot ($\odot$).

`\oe` ligature digraph symbol oe (œ).

`\OE` ligature digraph symbol capital OE (Œ).

`\offinterlineskip` turn off extra space between lines.

`\oint` math operator: contour integral ($\oint$).

`\oldstyle` select old-style numerals with descenders.

`\omega` math Greek letter: omega (ω).

`\Omega` math Greek letter: capital omega (Ω).

`\ominus` math operator: circle minus ($\ominus$).

*`\omit` suppress the template in the alignment preamble for this entry.

*`\openin` open a file for input.

*`\openout` open a file for output.

`\openup` increase line separation in math mode.

`\oplus` math operator: direct sum, circle plus ($\oplus$).

*`\or` separate cases in an `\ifcase`.

`\oslash` math operator: circle slash ($\oslash$).

`\otimes` math operator: tensor product, circle times ($\otimes$).

*`\outer` the following macro must not be called from another macro.

*`\output` define the page output routine.

*`\outputpenalty` penalty at the current page break.

*`\over` fraction with a rule.

`\overbrace` horizontal brace over a math formula.

*`\overfullrule` width of rules appended to overfull boxes.

`\overleftarrow` left arrow over a math formula.

*`\overline` draw a line over a formula.

`\overrightarrow` right arrow over a math formula.

*`\overwithdelims` fraction with rule and given delimiters.

`\owns` math relation: owns ($\ni$).

`\P` math symbol: paragraph (¶).

`\pagebody` put page contents in a box of the proper height.

`\pagecontents` produce a vertical list of the body of a page.

*`\pagedepth` depth of the current page.

*`\pagefilllstretch` amount of filll space in current page.

*`\pagefillstretch` amount of fill space in current page.

*`\pagefilstretch` amount of fil space in current page.

*`\pagegoal` desired page height.

`\pageinsert` insert a whole page.

`\pageno` current page number.

*`\pageshrink` amount of glue shrinkage in current page.

*`\pagestretch` amount of glue stretch in current page.

*`\pagetotal` natural height of page so far.

*`\par` end a paragraph.

`\parallel` math relation: parallel ($\parallel$).

*`\parfillskip` space at the end of the last line of a paragraph.

*`\parindent` define paragraph indentation.

*`\parshape` define an unusual paragraph shape.

*`\parskip` define space between paragraphs.

`\partial` math symbol: partial (∂).

*`\patterns` define a set of hyphenation patterns.

*`\pausing` pause after each line is read from a file.

*`\penalty` specify penalty for a line or page break.

`\perp` math relation: perpendicular ($\perp$).

`\phantom` use the space taken by a formula.

`\phi` math Greek letter: phi (ϕ).

`\Phi` math Greek letter: capital phi (Φ).

`\pi` math Greek letter: pi (π).

`\Pi` math Greek letter: capital pi (Π).

`\plainoutput` default Plain output routine.

`\pm` math operator: plus or minus ($\pm$).

`\pmatrix` generate a matrix with parentheses delimiters.

`\pmod` math function: mod within parentheses ((mod)).

*`\postdisplaypenalty` penalty for page break just after a display.

`\Pr` math function: probability ($\Pr$).

`\prec` math relation: precedes ($\prec$).

`\preceq` math relation: precedes or equal ($\preceq$).

*`\predisplaypenalty` penalty for page break just before a display.

*`\predisplaysize` length of text preceding a display.

`\preloaded` scratch control sequence used in preloading fonts.

*`\pretolerance` badness tolerance before hyphenation is attempted.

*`\prevdepth` depth of the last box on the vertical list.

*`\prevgraf` number of lines in the last paragraph.

`\prime` math symbol: prime (x').

`\proclaim` begin theorem with special format in math environment.

`\prod` math operator: large product ($\prod$).

`\propto` math relation: proportional to ($\propto$).

`\psi` math Greek letter: psi (ψ).

`\Psi` math Greek letter: capital psi (Ψ).

`\qquad` large breakable horizontal skip.

`\quad` breakable medium horizontal skip.

*`\radical` put a math field under a radical.

`\raggedbottom` suppress bottom justification of page text.

`\raggedright` suppress right justification of paragraph lines.

*`\raise` raise a box a given distance.

`\rangle` math delimiter: right angle bracket ($\rangle$).

`\rbrace` math delimiter: right curly brace ($\}$).

`\rbrack` math delimiter: right bracket ($]$).

`\rceil` math delimiter: right ceiling bracket ($\rceil$).

`\Re` math symbol: real, Fraktur R ($\Re$).

*`\read` read a line from a file.

*`\relax` do nothing.

`\relbar` math symbol: relation bar ($-$).

`\Relbar` math symbol: double relation bar ($=$).

*`\relpenalty` penalty for line break after math relation.

`\removelastskip` remove last skip on the list.

`\repeat` end of a `\loop` body.

`\rfloor` math delimiter: right floor ($\rfloor$).

`\rgroup` math delimiter: right group ($\rgroup$).

`\rho` math Greek letter: rho (ρ).

`\rhook` math symbol: right hook ($\rhook$).

*`\right` end a math list with a right delimiter.

`\rightarrow` math symbol: right arrow ($\rightarrow$).

`\Rightarrow` math symbol: right double arrow ($\Rightarrow$).

`\rightarrowfill` fill a space with a right arrow.

`\rightharpoondown` math symbol: right harpoon down ($\rightharpoondown$).

`\rightharpoonup` math symbol: right harpoon up ($\rightharpoonup$).

[3]`\righthyphenposition` minimum number of characters after hyphenation at the end of a word.

`\rightleftharpoons` math symbol: right left harpoon ($\rightleftharpoons$).

`\rightline` flush right text on a line.

*`\rightskip` space to the right of a paragraph.

`\rlap` create a zero-width box with text to the right.

`\rm` select Roman font.

`\rmoustache` math symbol: right moustache ($\rmoustache$).

*`\romannumeral` convert a number to lower-case Roman numerals.

`\root` specified root of a formula.

`\rq` right quote (').

`\S` math symbol: section (§).

`\sb` subscript, equivalent to `_` .

*`\scriptfont` select font for small math scripts.

*`\scriptscriptfont` select font for very small math scripts.

*`\scriptscriptstyle` use very small math script style.

*`\scriptspace` extra space after subscript or superscript.

*`\scriptstyle` use small math script style.

*`\scrollmode` process TEX input without pausing for normal errors.

`\searrow` math symbol: southeast arrow ($\searrow$).

`\sec` math function: secant.

*`\setbox` store an hbox or vbox in a box register.

[3]`\setlanguage` specify language to be used for hyphenation.

`\setminus` math operator: set minus ($\setminus$).

`\settabs` define horizontal tabs.

\sevenbf 7 point bold Roman font.
\seveni 7 point math italic font.
\sevenrm 7 point Roman font.
\sevensy 7 point math symbol font.
*\sfcode set a character's space factor.
\sharp math symbol: sharp ($\sharp$).
*\shipout send a box to the DVI file.
*\show show a token.
*\showbox show a box.
*\showboxbreadth maximum boxed items shown at a given depth.
*\showboxdepth maximum box depth shown.
\showhyphens show hyphenations of given words.
*\showlists show the current lists.
*\showthe display the contents of a register.
\sigma math Greek letter: sigma (σ).
\Sigma math Greek letter: capital sigma (Σ).
\sim math relation: similar ($\sim$).
\simeq math relation: similar or equal ($\simeq$).
\sin math function: sine.
\sinh math function: hyperbolic sine.
\skew shift super accents.
*\skewchar horizontal kern to position accents.
*\skip use a skip register.
*\skipdef define a name for a skip register.
\sl select slanted font.
\slash permit a line break after a slash.
\slfam slanted font family.
\smallbreak small vertical space and a good page break.
\smallint math operator: small integral ($\smallint$).
\smallskip small vertical space.
\smallskipamount \smallskip space.
\smash create a formula with zero height.
\smile math relation: smile ($\smile$).
\sp superscript, equivalent to ^.
\space a blank space.
*\spacefactor set a character's spacing factor.
*\spaceskip space between words.
\spadesuit math symbol: spade suit ($\spadesuit$).
*\span create a multicolumn entry in an aligned table.
*\special include balanced text in DVI file for post-processing.
*\splitbotmark mark text last encountered in a split box.
*\splitfirstmark mark text first encountered in a split box.
*\splitmaxdepth maximum depth of boxes in a split box.
*\splittopskip space at top of a split box.
\sqcap math operator: square cap ($\sqcap$).
\sqcup math operator: square cup ($\sqcup$).
\sqrt square root of a formula.
\sqsubseteq math relation: square subset or equal ($\sqsubseteq$).
\sqsupseteq math relation: square superset or equal ($\sqsupseteq$).
\ss German letter: sharp s (ß).
\star math operator: star ($\star$).
*\string expand a control sequence into character tokens.
\strut vertical strut to preserve line spacing.
\strutbox box containing a strut.
\subset math relation: subset ($\subset$).
\subseteq math relation: subset or equal ($\subseteq$).
\succ math relation: successor ($\succ$).
\succeq math relation: successor or equal ($\succeq$).
\sum math operator: large sum ($\sum$).
\sup math function: sup.
\supereject flush all insertions and eject to a new page.
\supset math relation: superset ($\supset$).
\supseteq math relation: superset or equal ($\supseteq$).
\surd math symbol: surd ($\surd$).
\swarrow math symbol: southwest arrow ($\swarrow$).
\t tie-after accent (o͡o).
\tabalign begin a tabbed line in an inner environment.
\tabs box containing current tabs.
*\tabskip space between aligned tab entries.
\tan math function: tangent.
\tanh math function: hyperbolic tangent.
\tau math Greek letter: tau (τ).
\tenbf 10 point bold font.
\tenex 10 point math extension symbol font.
\teni 10 point math italic font.
\tenit 10 point text italic font.
\tenrm 10 point Roman font.
\tensl 10 point slanted font.
\tensy 10 point math symbol font.
\tentt 10 point typewriter font.
\TeX "TEX" logo.
*\textfont select font for non-math text.
\textindent display an item without hanging indentation.
*\textstyle use in-text style for math.
*\the convert a numeric register to displayable form.
\theta math Greek letter: theta (θ).
\Theta math Greek letter: capital theta (Θ).
*\thickmuskip thick space in math formulas.
*\thinmuskip thin space in math formulas.
\thinspace unbreakable small horizontal space.
\tilde math accent: tilde ($\tilde{x}$).
*\time current time of day.

\times math operator: times ($\times$).
\to math relation: to ($\to$).
*\toks use a token list register.
*\toksdef define a name for a token list register.
*\tolerance badness tolerance after hyphenation.
\top math symbol: top ($\top$).
\topins insertion class for inserts at the top of a page.
\topinsert insert text at the top of the page.
*\topmark value of \botmark just before current page was boxed.
*\topskip space at the top of a page.
\tracingall turn on all debugging commands.
*\tracingcommands show commands before they are executed.
*\tracinglostchars show characters not in the font.
*\tracingmacros show macros as they are expanded.
*\tracingonline show diagnostics on the terminal.
*\tracingoutput show boxes that are shipped out.
*\tracingpages show page-break calculations.
*\tracingparagraphs show line-break calculations.
*\tracingrestores show unassignments when groups end.
*\tracingstats show statistics about memory usage.
\triangle math symbol: triangle ($\triangle$).
\triangleleft math operator: left triangle ($\triangleleft$).
\triangleright math operator: right triangle ($\triangleright$).
\tt select typewriter font.
\ttfam typewriter font family.
\ttraggedright suppress right justification of typewriter font lines.
\u breve accent (x̆).
*\uccode upper-case code for a character.
*\uchyph positive if hyphenating words beginning with capital letters.
\undefined an undefined control sequence.
\underbar create a box with an underline.
\underbrace horizontal brace under a math formula.
*\underline draw a line under a formula.
*\unhbox un-box an hbox and add it to the horizontal list.
*\unhcopy un-box a copy of an hbox and add it to the horizontal list.
*\unkern remove a kern just added to the current list.
*\unpenalty remove a penalty just added to the current list.
*\unskip remove a skip just added to the current list.
*\unvbox un-box a vbox and add it to the vertical list.
*\unvcopy un-box a copy of a vbox and add it to the vertical list.
\uparrow math delimiter: upward arrow ($\uparrow$).
\Uparrow math symbol: upward double arrow ($\Uparrow$).
\upbracefill fill a space with an upward brace.
\updownarrow math delimiter: up-and-down arrow ($\updownarrow$).
\Updownarrow math symbol: up-and-down double arrow ($\Updownarrow$).
\uplus math operator: U plus ($\uplus$).
*\uppercase translate balanced text to upper-case.
\upsilon math Greek letter: upsilon (υ).
\Upsilon math Greek letter: capital upsilon (Υ).
\v check accent (x̌).
*\vadjust insert vertical material into a paragraph.
*\valign align zero or more columns.
\varepsilon math Greek letter: variant epsilon (ε).
\varphi math Greek letter: variant phi (φ).
\varpi math Greek letter: variant pi (ϖ).
\varrho math Greek letter: variant rho (ϱ).
\varsigma math Greek letter: variant sigma (ς).
\vartheta math Greek letter: variant theta (ϑ).
*\vbadness limit for bad vbox errors.
*\vbox create a box with vertical mode material.
*\vcenter create a centered vbox in a math list.
\vdash math relation: dash ($\vdash$).
\vdots math symbol: vertical dots ($\vdots$).
\vec math accent: vector ($\vec{x}$).
\vee math binary operator: join or V ($\vee$).
\vert math delimiter: vertical bar ($|$).
\Vert math delimiter: double vertical bar ($\|$).
*\vfil infinitely stretchable vertical space.
*\vfill more infinitely stretchable vertical space.
*\vfilneg cancel infinitely stretchable vertical space.
\vfootnote place a footnote in a caption or other vertical list.
*\vfuzz maximum overrun before overfull vbox error.

`\vglue`	create some vertical space.
*`\voffset`	vertical offset of a page.
`\vphantom`	create a zero-width vbox the height and depth of a formula.
*`\vrule`	produce a vertical rule.
*`\vsize`	height of text on a page or `\vbox`.
*`\vskip`	add vertical space.
*`\vsplit`	split off a specified amount from a vbox.
*`\vss`	infinitely stretchable and shrinkable vertical space.
*`\vtop`	create a box with vertical mode material with the baseline at the top.
*`\wd`	width of a box.
`\wedge`	math binary operator: operator ($\wedge$).
`\widehat`	math accent: wide hat ($\widehat{x}$).
`\widetilde`	math accent: wide tilde ($\widetilde{x}$).
*`\widowpenalty`	penalty for creating a widow line at top of page.
`\wlog`	write to the log file only.
`\wp`	math symbol: Weierstrass p ($\wp$).
`\wr`	math binary operator: wreath product ($\wr$).
*`\write`	write a token list to a file.
*`\xdef`	define a global macro with expanded replacement text.
`\xi`	math Greek letter: xi (ξ).
`\Xi`	math Greek letter: capital xi (Ξ).
*`\xleaders`	fill a space with an evenly distributed box or rule.
*`\xspaceskip`	space between sentences.
*`\year`	current year of our Lord.
`\zeta`	math Greek letter: zeta (ζ).

Number of TEX primitives and commands: 864.

Chapter 4

LaTeX Commands

`\'` put text flush right in a column in tabbing environment.
`\(` begin math mode.
`\)` end math mode.
`\-` unindents left margin one tab stop in tabbing environment.
`\:` medium space in math mode.
`\<` cancel effect of one `\+` command in tabbing environment.
`\=` define a tab stop in tabbing environment.
`\>` move to next tab position in tabbing environment.
`\@` create end-of-sentence space after following punctuation.
`\[` begin display math mode.
`\\` force a line break in a paragraph.
`\]` end display math mode.
`\+` indents left margin one tab stop in tabbing environment.
`\@@par` TeX primitive `\par`.
`\@beginparpenalty` penalty at the beginning of a list.
`\@endparpenalty` penalty at the end of a list.
`\@hangfrom` hanging indent of a paragraph.
`\@ifnextchar` test the next character.
`\@itempenalty` penalty between list items.
`\a` produce TeX accents in tabbing environment.
`\addcontentsline` adds an entry to the specified list or table.
`\addtocontents` add text to table contents, figures, or tables.
`\addtocounter` increment a counter.
`\addtolength` increment the value of a length command.
`\addvspace` add extra vertical space.
`\alph` display counter as lower-case letter.
`\Alph` display counter as upper-case letter.
`\and` additional authors on title page.
`\appendix` set sectional units to appendix style.
`\arabic` display counter as Arabic numerals.
`\array` begin array environment.
`\arraycolsep` column separation in array environment.
`\arrayrulewidth` set width of array rules.
`\arraystretch` space between rows of array or tabular environment.
`\author` title page author.
`\baselinestretch` multiple of normal `\baselineskip`.
`\begin` beginning of an environment.
`\bf` bold font style.
`\bibitem` create a bibliography entry.
`\bibliography` enable BibTeX bibliography interface.
`\bibliographystyle` specify bibliographic style for BibTeX.
`\big` big font size.
`\Big` bigger font size.
`\BIG` biggest font size.
`\bigskip` vertical skip a large amount.
`\boldmath` select bold math italic and symbol fonts.
`\botfigrule` place rule between text and bottom floats.
`\bottomfraction` fraction of column for bottom floats.
`\Box` math symbol: box (□).
`\caption` produce a numbered caption.
`\center` begin centering environment.
`\centering` declaration to center lines.
`\chapter` start a chapter.
`\circle` circle in a picture environment.
`\cite` generate an in-text citation of a reference.
`\cleardoublepage` flush figures and tables and start a new right-hand page.

\clearpage flush figures and start a new page.
\cline multicolumn line in array or tabular environment.
\columnsep space between columns in double column text.
\columnseprule width of rule separating double columns.
\columnwidth width of a column.
\dashbox create a box in dashes, with positioning.
\date date on title page.
\dblfigrule rule between double-column floats and text.
\dblfloatpagefraction size of float on double-column page.
\dblfloatsep space between double-column floats.
\dbltextfloatsep space between double-column floats and text.
\dbltopfraction fraction of two-column page for top floats.
\Diamond math symbol: diamond ($\Diamond$).
\document read in the .AUX files and disable alpha @ processing.
\documentstyle declare document style and options.
\doublerulesep double rule separation in array or tabular environment.
\egtit 8 point italic font.
\egtly 8 point LaTeX symbol font.
\egtmi 8 point math italic font.
\egtrm 8 point Roman font.
\egtsy 8 point math symbol font.
\elvbf 11 point bold extended font.
\elvit 11 point italic font.
\elvly 11 point LaTeX symbol font.
\elvmi 11 point math italic font.
\elvrm 11 point Roman font.
\elvsf 11 point sans serif font.
\elvsl 11 point slanted font.
\elvsy 11 point math symbol font.
\elvtt 11 point typewriter font.
\em emphasis font.
\end end of an environment.
\endarray end array environment.
\endcenter end centering environment.
\endequation end an equation.
\endfigure end a floating figure.
\endflushleft end flush left environment.
\endflushright end flush right environment.
\endpicture end picture environment.
\endthebibliography end bibliography environment.
\equation begin and cross reference an equation.
\evensidemargin left hand margin on even pages.
\extracolsep add extra space before a column in array or tabular environment.
\fbox create and frame a box.
\fboxrule thickness of rule surrounding framed box.
\fboxsep space between a box and its contents in \fbox and \framebox.
\figure begin a floating figure.
\fill an unoriented skip amount with stretch of \lfill.
\fivly 5 point LaTeX symbol font.
\fivmi 5 point math italic font.
\fivrm 5 point Roman font.
\fivsy 5 point math symbol font.
\floatpagefraction portion of page that may be occupied by floats.
\floatsep space between floats.
\flushbottom justify page bottoms to the same height.
\flushleft begin flush left environment.
\flushright begin flush right environment.
\fnsymbol display counter as footnote symbol.
\footheight height of page footer.
\footins space between main text and footnotes.
\footnotemark insert a footnote mark without text.
\footnoterule macro to draw the rule separating footnotes from text.
\footnotesep footnote separation distance.
\footnotesize select footnote font size.
\footnotetext produce footnote text without a mark.
\footskip space between text and page footer.
\frac generate a fraction.
\frame put a frame around some text.
\framebox create and frame a box, with positioning.
\frtnbf 14 point bold extended font.
\frtnly 14 point LaTeX symbol font.
\frtnmi 14 point math italic font.
\frtnrm 14 point Roman font.
\frtnsy 14 point math symbol font.
\fussy require strict line and page breaks.
\glossary write a glossary entry.
\headheight height of page header.
\headsep space between page header and text.
\hline horizontal line in array and tabular environments.
\hspace skip horizontal space.

`\huge` select font four steps larger than normal size.
`\Huge` select largest available font.
`\include` read a file unless disabled by `\includeonly`.
`\includeonly` enable only specific `\include` commands.
`\index` create an index entry.
`\indexentry` en entry in a file of index terms.
`\indexspace` amount of extra space between entries in an index.
`\interfootnotelinepenalty` interline penalty for footnotes.
`\intextsep` vertical space around a float in the middle of a page.
`\item` start an entry in a list environment.
`\itemindent` indent before the label in a list environment.
`\itemsep` space between successive items in a list environment.
`\Join` math symbol: join ($\bowtie$).
`\kill` discard current line in tabbing environment.
`\label` define a cross reference label.
`\labelitemi` mark denoting first-level items.
`\labelitemii` mark denoting second-level items.
`\labelitemiii` mark denoting third-level items.
`\labelitemiv` mark denoting fourth-level items.
`\labelitemv` mark denoting fifth-level items.
`\labelitemvi` mark denoting sixth-level items.
`\labelsep` space between a label and text of a list item.
`\labelwidth` label width in a list environment.
`\large` select font one step larger than normal size.
`\Large` select font two steps larger than normal size.
`\LARGE` select font three steps larger than normal size.
`\LaTeX` LaTeX logo.
`\leadsto` math symbol: leads to ($\leadsto$).
`\lefteqn` set a formula flush left in display style.
`\leftmargin` left margin of a list environment.
`\leftmargini` width of left margin in first-level list.
`\leftmarginii` width of left margin in second-level list.
`\leftmarginiii` width of left margin in third-level list.
`\leftmarginiv` width of left margin in fourth-level list.
`\leftmarginv` width of left margin in fifth-level list.
`\leftmarginvi` width of left margin in sixth-level list.
`\leftmark` produces current left page heading.
`\lhd` math symbol: left half diamond ($\lhd$).
`\line` line in a picture environment.
`\linebreak` encourage a line break.
`\linethickness` set width of lines in picture environment.
`\linewidth` width of the current line.
`\listoffigures` generate a list of figures.
`\listoftables` generate a list of tables.
`\listparindent` indent second and subsequent paragraphs in a list environment.
`\load` load a font.
`\makeatletter` set `@` alphabetic to access internal commands.
`\makeatother` set `@` non-alphabetic to hide internal commands.
`\makebox` create a box, with positioning.
`\makeglossary` enable glossary processing.
`\makeindex` enable index creation.
`\makelabel` create item label for a list environment.
`\maketitle` produce the title.
`\marginpar` produce a marginal note.
`\marginparpush` vertical space between marginal notes.
`\marginparsep` distance between marginal note and text.
`\marginparwidth` width of marginal notes.
`\markboth` set headings for left and right pages.
`\markright` set heading for right pages.
`\mathindent` indentation of display equations.
`\mbox` create a box.
`\medskip` vertical skip a medium amount.
`\mho` math symbol: mho ($\mho$).
`\minipage` create a small sample page.
`\multicolumn` multicolumn entry in array or tabular environment.
`\multiput` place several copies of a picture object.
`\newcommand` define a new command.
`\newcounter` define a new counter variable.
`\newenvironment` define a new environment.
`\newfont` select a font.
`\newlength` define a new length command.
`\newline` force a line break in a paragraph.
`\newpage` start a new page.
`\newsavebox` define a new box register.
`\newtheorem` define a new theorem environment.
`\ninbf` 9 point bold extended font.
`\ninit` 9 point italic font.
`\ninly` 9 point LaTeX symbol font.

\ninmi 9 point math italic font.
\ninrm 9 point Roman font.
\ninsy 9 point math symbol font.
\nintt 9 point typewriter font.
\nocite reference a BibTeX item without citation.
\nofiles suppress writing all auxiliary files.
\nolinebreak suppress a line break.
\nonumber suppress numbering of displayed equations.
\nopagebreak suppress a page break.
\normalsize select normal font size.
\numberline includes the section number in a \contentsline command.
\obeycr defines a carriage return as \\.
\oddsidemargin left hand margin on odd pages.
\onecolumn start a new page in single-column format.
\oval oval in a picture environment.
\pagebreak encourage a page break.
\pagenumbering specify page numbering style.
\pageref page number of a cross reference label.
\pagestyle set global page style.
\paragraph start a labeled paragraph.
\parbox put a paragraph in a box.
\parsep space between paragraphs within an item in a list environment.
\part start a major division of a long document.
\partopsep extra vertical space when environment starts a paragraph.
\picture begin picture environment.
\poptabs restore tabs stops in tabbing environment.
\pounds British pound symbol (£).
\protect protect fragile commands and moving arguments.
\pushtabs save current tab stops in tabbing environment.
\put place a picture object.
\raggedbottom justify page bottoms to their natural height.
\raggedleft flush lines right.
\raggedright flush lines left.
\raisebox raise a box a distance.
\ref refer to a cross reference label.
\refstepcounter increment and reference a counter.
\renewcommand redefine a command.
\renewenvironment redefine an environment.
\restorecr restores a carriage return to its usual meaning.
\reversemarginpar put marginal notes on opposite side of page.
\rhd math symbol: right half diamond ($\rhd$).
\rightmargin right margin in a list.
\rightmark produces current right page heading.
\roman display counter as lower-case Roman numerals.
\Roman display counter as upper-case Roman numerals.
\rule create a rule or line.
\samepage inhibit a page break over a region.
\savebox create and name a box, with positioning.
\sbox create and name a box.
\sc select small caps font.
\scriptscriptsize select sub-subscript font size.
\scriptsize select subscript or superscript font size.
\section start a section.
\setcounter set value of a counter.
\setlength set a length command.
\settowidth set a length command to width of text.
\sevit 7 point italic font.
\sevly 7 point LaTeX symbol font.
\sevmi 7 point math italic font.
\sevrm 7 point Roman font.
\sevsy 7 point math symbol font.
\sf select sans serif font.
\shortstack create a box with a single column of items.
\showoutput trace output processing.
\sixly 6 point LaTeX symbol font.
\sixmi 6 point math italic font.
\sixrm 6 point Roman font.
\sixsy 6 point math symbol font.
\sloppy accept looser line and page breaks.
\small select small font size.
\smallskip vertical skip a small amount.
\sqsubset math symbol: square subset ($\sqsubset$).
\sqsupset math symbol: square superset ($\sqsupset$).
\stackrel stack one equation above another.
\stepcounter increment a counter.
\stop terminate LaTeX and flush the final page.
\stretch infinitely stretchable space.
\subitem second-level item in an index.
\subparagraph start a labeled sub-level paragraph.
\subsection start a subsection.
\subsubitem third-level item in an index.
\subsubsection start a subsubsection.

`\svtnbf` 17 point bold extended font.
`\svtnly` 17 point LaTeX symbol font.
`\svtnmi` 17 point math italic font.
`\svtnrm` 17 point Roman font.
`\svtnsy` 17 point math symbol font.
`\symbol` display a symbol from a font.
`\tabbingsep` distance left by `\'` command between tabbing fields.
`\tabcolsep` half the width separating columns in a tabular environment.
`\tableofcontents` generate a table of contents.
`\tencirc` 10 point circle font.
`\tencircw` 10 point wide circle font.
`\tenln` 10 point line font.
`\tenlnw` 10 point wide line font.
`\tenly` 10 point LaTeX symbol font.
`\tenmi` 10 point math italic font.
`\tensf` 10 point sans serif font.
`\textfloatsep` space between floats and the text.
`\textfraction` size of column that must contain text.
`\textheight` height of text, excluding head and foot.
`\textwidth` width of printing on page.
`\thanks` add footnote to title page.
`\theenumi` current value of the first-level item counter.
`\theenumii` current value of the second-level item counter.
`\theenumiii` current value of the third-level item counter.
`\theenumiv` current value of the fourth-level item counter.
`\theenumv` current value of the fifth-level item counter.
`\theenumvi` current value of the sixth-level item counter.
`\theequation` number of the current displayed equation.
`\thefigure` current value of the figure counter.
`\thefootnote` produces the footnote number.
`\thepage` current page number.
`\thicklines` thick lines for lines and circles.
`\thinlines` thin lines for lines and circles.
`\thispagestyle` set current page style.
`\tiny` select smallest defined font.
`\title` declare the title.
`\today` display today's date.
`\topfigrule` place rule between top floats and text.
`\topfraction` fraction of column for top floats.
`\topmargin` extra space added to top of page.
`\topsep` space between first list item and preceding paragraph.
`\twlbf` 12 point bold extended font.
`\twlit` 12 point italic font.
`\twlly` 12 point LaTeX symbol font.
`\twlmi` 12 point math italic font.
`\twlrm` 12 point Roman font.
`\twlsf` 12 point sans serif font.
`\twlsl` 12 point slanted font.
`\twlsy` 12 point math symbol font.
`\twltt` 12 point typewriter font.
`\twocolumn` start a new page in double-column format.
`\twtybf` 20 point bold extended font.
`\twtyly` 20 point LaTeX symbol font.
`\twtymi` 20 point math italic font.
`\twtyrm` 20 point Roman font.
`\twtysy` 20 point math symbol font.
`\typein` execute a command from the terminal.
`\typeout` write a message on the terminal.
`\unboldmath` unselect bold math italic and symbol fonts.
`\underline` create an underlined box with text in it.
`\unitlength` unit of distance in picture environment.
`\unlhd` math symbol: underlined left half diamond ($\unlhd$).
`\unrhd` math symbol: underlined right half diamond ($\unrhd$).
`\usebox` use a named box.
`\usecounter` associate a counter with an item-type command.
`\value` produce the value of a counter.
`\vector` vector in a picture environment.
`\verb` generate a short amount of verbatim text.
`\vline` vertical line in array and tabular environments.
`\vspace` skip vertical space.

Number of LaTeX commands: 366.