



The XePersian *Package*

Documentation for version 19.3

to my Master, Ferdowsi The Great

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<https://github.com/tex-xet/xepersian/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The XePersian *Package*

Persian for $\LaTeX_{2\epsilon}$, using Xe \TeX engine

Documentation for version 19.3

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Contents

1	Introduction	4			
1.1	Important Notes	4		2.6.1	Basic Font Commands 39
1.2	XePersian Info On The Terminal and In The Log File	4		2.6.2	Defining Extra Persian and Latin Fonts 39
2	Basics	5		2.6.3	Choosing Persian Sans Font 40
2.1	Loading The Package	5		2.6.4	Choosing Persian Mono Font 40
2.2	XePersian's Symbol	6		2.6.5	Choosing Persian Iranic Font 40
2.3	Commands for Version number, and Date of The Package	6		2.6.6	Choosing Persian Navar Font 40
2.4	Options of The Package	6		2.6.7	Choosing Persian Pook Font 40
2.4.1	<code>defaultlatinfontfeatures</code> Option	6		2.6.8	Choosing Persian Sayeh Font 40
2.4.2	<code>extrafootnotefeatures</code> Option	7		2.6.9	Choosing Latin Sans Font 40
2.4.3	<code>Kashida</code> Option	7		2.6.10	Choosing Latin Mono Font 40
2.4.4	<code>quickindex</code> Option	7		3	Latin and Persian Environment 41
2.4.5	<code>quickindex-variant1</code> Option	7		3.1	<code>latinitems</code> and <code>parsiitems</code> environments 41
2.4.6	<code>quickindex-variant2</code> Option	7		3.2	Short Latin and Persian Texts 41
2.4.7	<code>localise</code> Option	8		3.3	Miscellaneous Commands 41
2.4.8	Localizations of the keys and key values of <code>graphicx</code> package	35		3.4	New Commands 42
2.4.9	Localizations of font features and font feature options	36		3.5	Additional Counters 42
2.5	A Sample Input \TeX File	38		3.6	Things To Know About <code>\setdigitfont</code> , <code>\setmathsfdigitfont</code> , and <code>\setmathttdigitfont</code> 43
2.6	Font Commands	38			

4	New Conditionals	43	7	xepersian implementation	55
4.1	Shell escape (or write ₁₈) conditional	43	7.1	algorithmic-xepersian.def	55
5	Bilingual Captions	43	7.2	algorithm-xepersian.def	56
5.1	Support For Various Packages	44	7.3	amsart-xepersian.def	56
5.1.1	Things You Should Know about Support For enumerate Package	44	7.4	amsbook-xepersian.def	56
5.2	Index Generation	44	7.5	appendix-xepersian.def	56
5.3	Converting Your Farsi \TeX Files To XePersian or Unicode	44	7.6	article-xepersian.def	56
6	Extra Packages And Classes	45	7.7	artikel1-xepersian.def	57
6.1	Magazine Typesetting	45	7.8	artikel2-xepersian.def	57
6.1.1	Introduction	45	7.9	artikel3-xepersian.def	57
6.1.2	Usage	45	7.10	backref-xepersian.def	57
6.1.3	Front Page	45	7.11	bidituftesidenote-xepersian.def	58
6.1.4	Inside	47	7.12	bidimoderncv-xepersian.def . . .	58
6.1.5	The article environment	47	7.13	boek3-xepersian.def	58
6.1.6	The editorial environment	48	7.14	boek-xepersian.def	58
6.1.7	The shortarticle environment	49	7.15	bookest-xepersian.def	58
6.1.8	Commands between articles	49	7.16	book-xepersian.def	59
6.1.9	Customization	49	7.17	breqn-xepersian.def	59
6.1.10	Front Page	50	7.18	latex-localise-commands-xepersian.def	60
6.1.11	Inside The Magazine	51	7.19	color-localise-xepersian.def . . .	79
6.1.12	Class Options	52	7.20	xepersian-localise-commands-xepersian.def	79
6.2	Typesetting Multiple-choice Questions	52	7.21	enumerate-xepersian.def	80
6.2.1	Introduction	52	7.22	enumitem-xepersian.def	81
6.2.2	Usage	53	7.23	latex-localise-environments-xepersian.def	81
6.2.3	Loading The Package	53	7.24	xepersian-localise-environments-xepersian.def	82
6.2.4	Creating Questions	53	7.25	extarticle-xepersian.def	82
6.2.5	The <code>question</code> Environment	53	7.26	extbook-xepersian.def	82
6.2.6	Question Numbers	53	7.27	extrafootnotefeatures-xepersian.def	82
6.2.7	The Form and the Mask	54	7.28	extreport-xepersian.def	83
6.2.8	Typesetting corrections	54	7.29	flowfram-xepersian.def	83
6.2.9	Important Note	54	7.30	footnote-xepersian.def	83
6.3	Customising The Package	54	7.31	framed-xepersian.def	84
6.3.1	The <code>question</code> environment	55	7.32	glossaries-xepersian.def	84
6.3.2	The Form and the Mask	55	7.33	hyperref-xepersian.def	84
6.3.3	The correction	55	7.34	imsproc-xepersian.def	85
			7.35	kashida-xepersian.def	85
			7.36	listings-xepersian.def	86
			7.37	loadingorder-xepersian.def	86
			7.38	localise-xepersian.def	87
			7.39	memoir-xepersian.def	89
			7.40	latex-localise-messages-xepersian.def	89
			7.41	minitoc-xepersian.def	89
			7.42	latex-localise-misc-xepersian.def	89
			7.43	natbib-xepersian.def	97



7.44	packages-localise-xepersian.def	101	7.53	soul-xepersian.def	108
7.45	parsidigits.map	104	7.54	tkz-linknodes-xepersian.def	108
7.46	rapport1-xepersian.def	105	7.55	tocloft-xepersian.def	108
7.47	rapport3-xepersian.def	105	7.56	xepersian.sty	108
7.48	refrep-xepersian.def	105	7.57	xepersian-magazine.cls	128
7.49	report-xepersian.def	105	7.58	xepersian-mathsdigitspec.sty	146
7.50	scrartcl-xepersian.def	106	7.59	xepersian-multiplechoice.sty	151
7.51	scrbook-xepersian.def	106	7.60	xepersian-persiancal.sty	154
7.52	scrreprt-xepersian.def	107	8	Change History	190



1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe \LaTeX . The package includes adaptations for use with many other commonly-used packages.

1.1 Important Notes

- ☞ The XePersian package only works with Xe \TeX engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ($\leq 1.0.3$) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like \LaTeX and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

1.2 XePersian Info On The Terminal and In The Log File

If you use XePersian package to write any input \TeX document, and then run `xelatex` on your document, in addition to what bidi package writes to the terminal and to the log file, the XePersian package also writes some information about itself to the terminal and to the log file, too. The information is something like:

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2017 Vafa Khalighi
*
* v19.3, 2017/09/06
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



*
* Support: persian-tex@tug.org
*

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

```
\usepackage [Options] {xepersian}
```

Where options of the package are explained later in [subsection 2.4](#).
When loading the package, it is important to know that:

- 1 xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.
- 2 In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting. If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

Where enumerate is loaded after XePersian. If you run `xelatex` on this document, you will get an error which looks like this:

```
! Package xepersian Error: Oops! you have loaded package enumerate
after xepersian package. Please load package enumerate before
xepersian package, and then try to run xelatex on your document
again.
```

```
See the xepersian package documentation for explanation.
```



```
Type H <return> for immediate help.
...

1.5 \begin{document}

?
```

2.2 XePersian's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes XePersian. **Simorgh**¹ (shown on the first page of this documentation) symbolizes XePersian.

2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

☞ `\xepersianversion` gives the current version of the package.

☞ `\xepersiandate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}
```

2.4 Options of The Package

There are few options:

2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The `defaultlatinfontfeatures` option allows you to pass font features to the main Latin font. `<value>` is a set of font features.

¹Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



2.4.2 `extrafootnotefeatures` Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

2.4.3 `Kashida` Option

If you pass `Kashida` option to the package, you will use `Kashida` for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Note that you can not use `Kashida` option when you are using `Nastaliq`-like font (well, you still can use `Kashida` option when you use any `Nastaliq`-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the `Kashida` option:

```
\KashidaOn \KashidaOff
```

☞ `\KashidaOn` enables `Kashida` and is active by default when `Kashida` option is activated.

☞ `\KashidaOff` disables `Kashida`.

2.4.4 `quickindex` Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your `TEX` document; otherwise you get an error which indicates that shell scape (or `write18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

2.4.5 `quickindex-variant1` Option

Same as `quickindex` Option but uses variant one (in which `ī` is grouped under `l`) for sorting Persian alphabets.

2.4.6 `quickindex-variant2` Option

Same as `quickindex` Option but uses variant two (in which `ī` is a separate letter) for sorting Persian alphabets.



2.4.7 localise Option

This option allows you to use most frequently-used \LaTeX commands and environments in Persian, almost like what \TeX -e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of \LaTeX and \TeX commands and environments. The Persian equivalents of \LaTeX and \TeX commands are shown in [Table 1](#), The Persian equivalents of XePersian commands are shown in [Table 2](#), Persian equivalents of \LaTeX environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#)

Please note that the Persian equivalents of \LaTeX and \TeX commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of \LaTeX and \TeX commands and environments, but still original \LaTeX and \TeX commands and environments work too.

The \TeX \LaTeX and XePersian commands and environments and their Persian equivalents listed in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) is not the whole story; If any command and environment in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) have a starred version, their starred version also work. For example in [Table 1](#), the Persian equivalent of `\chapter` is `\فصل`. I know that `\chapter` has a starred version, so this means `*\فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{\langle command-name in Persian \rangle}{\langle original \LaTeX command-name \rangle}
\eqenvironment{\langle environment-name in Persian \rangle}{\langle original \LaTeX environment-name \rangle}
```

Table 1: The Equivalent \LaTeX and \TeX Commands

Command in \TeX or \LaTeX	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplayshortskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\addvspace</code>	<code>\بیفزاقضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>
<code>\allowbreak</code>	<code>\شکستی</code>
<code>\alloc@</code>	<code>\تخصی@</code>
<code>\allocationnumber</code>	<code>\تخصیص یافته</code>
<code>\allowdisplaybreaks</code>	<code>\شکست نمایش مجاز</code>
<code>\Alph</code>	<code>\حروف بزرگ</code>
<code>\alph</code>	<code>\حروف کوچک</code>
<code>\alsname</code>	<code>\نام همچنین</code>
<code>\and</code>	<code>\و</code>
<code>\angle</code>	<code>\زاویه</code>
<code>\appendixname</code>	<code>\عنوان پیوست</code>
<code>\approx</code>	<code>\تقریب</code>
<code>\arabic</code>	<code>\عربی</code>
<code>\arg</code>	<code>\آرگ</code>
<code>\arrayrulecolor</code>	<code>\رنگ خط جدول</code>
<code>\arraycolsep</code>	<code>\فاصله ستونهای آرایه</code>
<code>\arrayrulewidth</code>	<code>\ضخامت خط جدول</code>
<code>\arraystretch</code>	<code>\کشیدگی آرایه</code>
<code>\AtBeginDocument</code>	<code>\در آغاز نوشتار</code>
<code>\AtEndDocument</code>	<code>\در پایان نوشتار</code>
<code>\AtEndOfClass</code>	<code>\در انتهای طبقه</code>
<code>\AtEndOfPackage</code>	<code>\در انتهای سبک</code>
<code>\author</code>	<code>\نویسنده</code>
<code>\backmatter</code>	<code>\مطلب پشت</code>
<code>\backslash</code>	<code>\شکاف پشت</code>
<code>\badness</code>	<code>\بدنمایی</code>
<code>\bar</code>	<code>\میله</code>
<code>\baselineskip</code>	<code>\فاصله کرسی</code>
<code>\baselinestretch</code>	<code>\کشش فاصله کرسی</code>
<code>\batchmode</code>	<code>\پردازش دسته ای</code>
<code>\begin</code>	<code>\شروع</code>
<code>\beginL</code>	<code>\شروع چپ</code>
<code>\beginR</code>	<code>\شروع راست</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\begingroup</code>	\شروع گروه
<code>\belowdisplayshortskip</code>	\فاصله کوتاه پایین نمایش
<code>\belowdisplayskip</code>	\فاصله پایین نمایش
<code>\bf</code>	\سیاه
<code>\bfdefault</code>	\پیش فرض سیاه
<code>\bfseries</code>	\شماپل سیاه
<code>\bgroup</code>	\شرگروه
<code>\bibitem</code>	\مرجوع
<code>\bibliography</code>	\کتاب نامه
<code>\bibliographystyle</code>	\سبک کتاب نامه
<code>\bibname</code>	\عنوان کتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پایین شناور
<code>\botmark</code>	\علامت پایین
<code>\bottompageskip</code>	\کادر تا پایین
<code>\bottomfraction</code>	\نسبت پایین
<code>\box</code>	\کادر
<code>\boxmaxdepth</code>	\حد اکثر عمق کادر
<code>\break</code>	\بشکن
<code>\bullet</code>	\گلوله
<code>\@cclv</code>	\دوپن @ پنج
<code>\@cclvi</code>	\دوپن @ شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\کدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\dots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک @ ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\ClassWarning</code>	<code>\هشدارطبقه</code>
<code>\ClassWarningNoLine</code>	<code>\هشدارطبقه بی سطر</code>
<code>\cleaders</code>	<code>\نشانگرمرکزی</code>
<code>\cleardoublepage</code>	<code>\دو صفحه پاک</code>
<code>\clearpage</code>	<code>\صفحه پاک</code>
<code>\cline</code>	<code>\خط ناپر</code>
<code>\closein</code>	<code>\ببند ورودی</code>
<code>\closeout</code>	<code>\ببند خروجی</code>
<code>\closing</code>	<code>\بستن</code>
<code>\clubpenalty</code>	<code>\جریمه سر بند</code>
<code>\clubsuit</code>	<code>\خاج</code>
<code>\colbotmark</code>	<code>\علامت پایین ستون اول</code>
<code>\colfirstmark</code>	<code>\علامت اول ستون اول</code>
<code>\color</code>	<code>\رنگ</code>
<code>\colorbox</code>	<code>\کادررنگ</code>
<code>\coltopmark</code>	<code>\علامت بالای ستون اول</code>
<code>\columncolor</code>	<code>\رنگ ستون</code>
<code>\columnsep</code>	<code>\بین ستون</code>
<code>\columnwidth</code>	<code>\پهنای ستون</code>
<code>\columnseprule</code>	<code>\خط بین ستون</code>
<code>\contentsline</code>	<code>\سطر فهرست</code>
<code>\contentsname</code>	<code>\عنوان فهرست مطالب</code>
<code>\copy</code>	<code>\کپی</code>
<code>\copyright</code>	<code>\حق تالیف</code>
<code>\count</code>	<code>\شمار</code>
<code>\count@</code>	<code>\شمار@</code>
<code>\countdef</code>	<code>\تعریف شمار</code>
<code>\cr</code>	<code>\سخ</code>
<code>\crrc</code>	<code>\سخ سخ</code>
<code>\csname</code>	<code>\نام فرمان</code>
<code>\CurrentOption</code>	<code>\گزینه جاری</code>
<code>\dashbox</code>	<code>\کادر بینابین</code>
<code>\dashv</code>	<code>\بینابین ع</code>
<code>\@date</code>	<code>\@تاریخ</code>
<code>\date</code>	<code>\تاریخ</code>
<code>\day</code>	<code>\روز</code>
<code>\dblbotfigrule</code>	<code>\خط پایین شناور پهن</code>
<code>\dblbottomfraction</code>	<code>\نسبت پهن پایین</code>
<code>\dblfigrule</code>	<code>\خط بالای شناور پهن</code>
<code>\dblfloatpagefraction</code>	<code>\نسبت صفحه شناور پهن</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftloccode</code>	\کد مکان غیرهمانطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی
<code>\DeclareOption</code>	\اعلان گزینه
<code>\DeclareRobustCommand</code>	\اعلان فرمان قوی
<code>\DeclareSymbolFont</code>	\اعلان قلم علائم
<code>\deadcycles</code>	\دور بسته
<code>\def</code>	\تر
<code>\define@key</code>	\تعریف @کلید
<code>\definecolor</code>	\تعریف رنگ
<code>\deg</code>	\درجه
<code>\delcode</code>	\کد جداساز
<code>\delimiter</code>	\جداساز
<code>\delimiterfactor</code>	\ضریب جداساز
<code>\depth</code>	\گودی
<code>\diamondsuit</code>	\خشت
<code>\dim</code>	\ابعاد
<code>\dimen</code>	\بعد
<code>\dimen@</code>	\بعد @
<code>\dimen@i</code>	\بعد @یک
<code>\dimen@ii</code>	\بعد @دو
<code>\dimendef</code>	\تعریف بعد
<code>\discretionary</code>	\تیره گذاری
<code>\displaybreak</code>	\شکست نمایش
<code>\displayindent</code>	\تورفتگی نمایش
<code>\displaystyle</code>	\سبک نمایش
<code>\displaywidth</code>	\عرض نمایش
<code>\divide</code>	\تقسیم
<code>\documentclass</code>	\طبقه نوشتار
<code>\do</code>	\کن
<code>\dospecials</code>	\تعویض کدها
<code>\dot</code>	\نقطه
<code>\doteq</code>	\نقطه مساوی
<code>\dotfill</code>	\پر نقطه
<code>\dots</code>	\نقاط

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پا گروه</code>
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\گرنه</code>
<code>\em</code>	<code>\تاکید</code>
<code>\emergencystretch</code>	<code>\کشش لاجرم</code>
<code>\emph</code>	<code>\موکد</code>
<code>\@empty</code>	<code>\@پوچ</code>
<code>\empty</code>	<code>\پوچ</code>
<code>\emptyset</code>	<code>\مجموعه پوچ</code>
<code>\end</code>	<code>\پایان</code>
<code>\endL</code>	<code>\پایان چپ</code>
<code>\endR</code>	<code>\پایان راست</code>
<code>\endcsname</code>	<code>\پایان نام فرمان</code>
<code>\endfirsthead</code>	<code>\پایان اولین سر</code>
<code>\endfoot</code>	<code>\پایان پا</code>
<code>\endgraf</code>	<code>\ته بند</code>
<code>\endgroup</code>	<code>\پایان گروه</code>
<code>\endhead</code>	<code>\پایان سر</code>
<code>\endinput</code>	<code>\پایان ورودی</code>
<code>\endlastfoot</code>	<code>\پایان آخرین پا</code>
<code>\enlargethispage</code>	<code>\گسترش این صفحه</code>
<code>\endline</code>	<code>\ته سطر</code>
<code>\endlinechar</code>	<code>\نویسه ته سطر</code>
<code>\enspace</code>	<code>\ان دوری</code>
<code>\enskip</code>	<code>\ان فاصله</code>
<code>\eqcommand</code>	<code>\فرمان جانشین</code>
<code>\eqenvironment</code>	<code>\محیط جانشین</code>
<code>\eqref</code>	<code>\ارجاع فر</code>
<code>\errhelp</code>	<code>\کمک خطا</code>
<code>\errmessage</code>	<code>\پیام خطا</code>
<code>\errorcontextlines</code>	<code>\سطر متن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

\euro	\یورو
\evensidemargin	\حاشیه زوج
\everycr	\هرسخ
\everydisplay	\هرنمایش
\everyhbox	\هرکادرا
\everyjob	\هرکار
\everymath	\هرریاضی
\everypar	\هربند
\everyvbox	\هرکادرو
\ExecuteOptions	\اجرای گزینه ها
\exhyphenpenalty	\جریمه اضافی تیره بندی
\expandafter	\بگستر پس از
\extracolsep	\فاصله اضافی بین ستونها
\@firstofone	\@اولی از یک
\@firstoftwo	\@اولی از دو
\f@ur	\چ@ار
\fam	\خانواده
\fancy page	\صفحه تجملی
\fbox	\کادر با
\fboxrule	\ضخامت کادر با
\fboxsep	\حاشیه کادر با
\fcolorbox	\کادر با رنگ
\fi	\رگ
\figurename	\عنوان شکل
\filbreak	\پرشکن
\fill	\پر
\firstmark	\علامت اول
\flat	\پهن
\floatpagefraction	\نسبت صفحه شناور
\floatingpenalty	\جریمه شناور
\floatsep	\فاصله بین شناور
\flushbottom	\تنظیم از پایین
\fmtname	\شکل بندی
\fmtversion	\رده شکل بندی
\fnsymbol	\نشانه
\font	\قلم
\fontdimen	\بعد قلم
\fontencoding	\رمزینه قلم
\fontfamily	\فامیل قلم
\fontname	\نام قلم

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\fontseries</code>	\شمايل قلم
<code>\fontshape</code>	\شكل قلم
<code>\fontsize</code>	\اندازه قلم
<code>\footheight</code>	\بلنداي پايين صفحه
<code>\footins</code>	\درج زيرويس
<code>\footnote</code>	\زيرويس
<code>\footnotemark</code>	\علامت زيرويس
<code>\footnoterule</code>	\خط زيرويس
<code>\footnotesep</code>	\فاصله تازيرويس
<code>\footnotesize</code>	\اندازه زيرويس
<code>\footnotetext</code>	\متن زيرويس
<code>\footskip</code>	\فاصله تاپايين صفحه
<code>\frame</code>	\فريم
<code>\framebox</code>	\كادر با خط
<code>\frenchspacing</code>	\فواصل يكنواخت لاتين
<code>\frontmatter</code>	\مطلب پيش
<code>\futurelet</code>	\بعد بگذار
<code>\@gobble</code>	\@خورجریصانه
<code>\@gobbletwo</code>	\@خورجریصانه دو
<code>\@gobblefour</code>	\@خورجریصانه چهار
<code>\@gtempa</code>	\@عاقبت آ
<code>\@gtempb</code>	\@عاقبت ب
<code>\gdef</code>	\ترع
<code>\GenericInfo</code>	\الگوی اطلاع
<code>\GenericWarning</code>	\الگوی هشدار
<code>\GenericError</code>	\الگوی خطا
<code>\global</code>	\عام
<code>\globaldefs</code>	\تعاریف عام
<code>\glossary</code>	\الغت نامه
<code>\glossaryentry</code>	\افقره فرهنگ
<code>\goodbreak</code>	\خوش شکن
<code>\graphpaper</code>	\کاغذگراف
<code>\guillemotleft</code>	\گیومه چپ
<code>\guillemotright</code>	\گیومه راست
<code>\guilsinglleft</code>	\گیومه تکی چپ
<code>\guilsinglright</code>	\گیومه تکی راست
<code>\halign</code>	\ردیف ا
<code>\hang</code>	\بروتو
<code>\hangafter</code>	\بعد از سطر
<code>\hangindent</code>	\تورفتگی ثابت

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hbadness</code>	\بدنمایی
<code>\hbox</code>	\کادرا
<code>\headheight</code>	\بلندای سرصفحه
<code>\headsep</code>	\فاصله از سرصفحه
<code>\headtoname</code>	\سربه نام
<code>\heartsuit</code>	\دل
<code>\height</code>	\بلندا
<code>\hfil</code>	\پرا
<code>\hfill</code>	\پرا
<code>\hfilneg</code>	\رفع پرا
<code>\hfuzz</code>	\پرزاقی
<code>\hideskip</code>	\فاصله مخفی
<code>\hidewidth</code>	\عرض پنهان
<code>\hline</code>	\خط پر
<code>\hoffset</code>	\حاشیه
<code>\holdinginserts</code>	\حفظ درج
<code>\hrboxsep</code>	\فاصله اگر
<code>\hrule</code>	\خط
<code>\hrulefill</code>	\پرخط
<code>\hsize</code>	\طول سطر
<code>\hskip</code>	\فاصله
<code>\hspace</code>	\فضای
<code>\hss</code>	\هردوا
<code>\ht</code>	\ارتفاع
<code>\huge</code>	\بزرگ
<code>\Huge</code>	\بزرگ تر
<code>\hyperlink</code>	\ابر پیوند
<code>\hypersetup</code>	\بارگذاری ابر
<code>\hypertarget</code>	\هدف ابر
<code>\hyphenation</code>	\تیره بندی
<code>\hyphenchar</code>	\نویسه تیره
<code>\hyphenpenalty</code>	\جریمه تیره بندی
<code>\@ifclassloaded</code>	\@گر کلاس فراخوانی شده
<code>\@ifdefinable</code>	\@گر ترشده
<code>\@ifnextchar</code>	\@گر نویسه بعدی
<code>\@ifpackageloaded</code>	\@گر سبک فراخوانی شده
<code>\@ifstar</code>	\@گر ستاره
<code>\@ifundefined</code>	\@گر تعریف نشده
<code>\if</code>	\گر
<code>\if@tempswa</code>	\@گر سواقت آ

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifcase</code>	\گرا نوع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گر ته پرونده
<code>\iff</code>	\گر
<code>\iffalse</code>	\گر نادرست
<code>\IfFileExists</code>	\گر پرونده موجود
<code>\ifhbox</code>	\گر کا در ا
<code>\ifhmode</code>	\گر حالت ا
<code>\ifinner</code>	\گر درونی
<code>\ifmmode</code>	\گر حالت ریاضی
<code>\ifnum</code>	\گر عدد
<code>\ifodd</code>	\گر فرد
<code>\ifthenelse</code>	\گر آنگاه دیگر
<code>\iftrue</code>	\گر درست
<code>\ifvbox</code>	\گر کا در و
<code>\ifvmode</code>	\گر حالت و
<code>\ifvoid</code>	\گر تهی
<code>\ifx</code>	\گر نام
<code>\ignorespaces</code>	\فاصله خالی را ندیده بگیر
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورود پرونده گرموجود
<code>\inputlineno</code>	\شماره سطر ورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد متن

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرارکن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلپ</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کدکوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطر شکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بیابین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زار یک</code>
<code>\@Mii</code>	<code>\ده@زار دو</code>
<code>\@Miii</code>	<code>\ده@زار سه</code>
<code>\@Miv</code>	<code>\ده@زار چهار</code>
<code>\@MM</code>	<code>\ایس@زار</code>
<code>\m@ne</code>	<code>\من@ا</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\magstep</code>	\گام
<code>\magstephalf</code>	\نیم گام
<code>\mainmatter</code>	\مطلب اصلی
<code>\makeatletter</code>	\ات حرف
<code>\makeatother</code>	\ات دیگر
<code>\makebox</code>	\کادر بی خط
<code>\makeglossary</code>	\ساخت فرهنگ
<code>\makeindex</code>	\تهیه نمایه
<code>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال بر راست</code>
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری@ضی</code>
<code>\multicolumn</code>	<code>\چند ستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چند ادغام</code>
<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربرد نام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\اشکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\ابولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>
<code>\newwrite</code>	<code>\بنویس جدید</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطر متعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطر متعارف</code>
<code>\normalmarginpar</code>	<code>\درجاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>@تنها در پیش در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنها یادداشت ها</code>
<code>\onlyslides</code>	<code>\تنها اسلایدها</code>
<code>\openin</code>	<code>\بازکن ورودی</code>
<code>\openout</code>	<code>\بازکن خروجی</code>
<code>\OptionNotUsed</code>	<code>\گزینه مصرف نشده</code>
<code>\or</code>	<code>\یا</code>
<code>\outer</code>	<code>\برونی</code>
<code>\output</code>	<code>\صفحه بندی</code>
<code>\outputpenalty</code>	<code>\جریمه صفحه بندی</code>
<code>\overfullrule</code>	<code>\علامت سرریز</code>
<code>\@preamblecmds</code>	<code>@فرمان های پیش در آمد</code>
<code>\p@</code>	<code>@پو</code>
<code>\PackageError</code>	<code>\خطای سبک</code>
<code>\PackageInfo</code>	<code>\اطلاع سبک</code>
<code>\PackageWarning</code>	<code>\هشدار سبک</code>
<code>\PackageWarningNoLine</code>	<code>\هشدار سبک بی سطر</code>
<code>\pagebreak</code>	<code>\صفحه شکن</code>
<code>\pagecolor</code>	<code>\رنگ صفحه</code>
<code>\pagedepth</code>	<code>\عمق صفحه</code>
<code>\pagefillllstretch</code>	<code>\کشش پررر صفحه</code>
<code>\pagefillstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefilstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagegoal</code>	<code>\غایت صفحه</code>
<code>\pagename</code>	<code>\نام صفحه</code>
<code>\pagenumbering</code>	<code>\شماره گذاری صفحه</code>
<code>\pageref</code>	<code>\ارجوع صفحه</code>
<code>\pagerulewidth</code>	<code>\ضخامت خط صفحه</code>
<code>\pageshrink</code>	<code>\فشرده گی صفحه</code>
<code>\pagestretch</code>	<code>\کشش صفحه</code>
<code>\pagestyle</code>	<code>\سبک صفحه</code>
<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\کادرپار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکت</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیکال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\raggedleft</code>	\تنظیم از راست
<code>\raggedright</code>	\تنظیم از چپ
<code>\raise</code>	\انتقال ببالا
<code>\raisebox</code>	\بالا بر
<code>\raisetag</code>	\ترفع اتیکت
<code>\rangle</code>	\زاویه ر
<code>\rceil</code>	\سقف ر
<code>\read</code>	\بخوان
<code>\ref</code>	\ارجوع
<code>\reflectbox</code>	\کادر قرینه
<code>\refname</code>	\عنوان مراجع
<code>\refstepcounter</code>	\گام شمارنده مرجع
<code>\relax</code>	\راحت
<code>\removelastskip</code>	\رفع آخرین فاصله
<code>\renewcommand</code>	\فرمان از نو
<code>\renewenvironment</code>	\محیط از نو
<code>\repeat</code>	\از نو
<code>\RequirePackage</code>	\سبک مورد نیاز
<code>\RequirePackageWithOptions</code>	\سبک مورد نیاز با گزینه
<code>\resizebox</code>	\کادر کشیده
<code>\reversemarginpar</code>	\در حاشیه معکوس
<code>\rfloor</code>	\کف ر
<code>\right</code>	\راست
<code>\rightmargin</code>	\حاشیه راست
<code>\rightmark</code>	\علامت راست
<code>\rightpageskip</code>	\کادر تا راست
<code>\rightskip</code>	\فاصله انتهای سطر
<code>\rmdefault</code>	\رومن عادی
<code>\rmfamily</code>	\فامیل رومن
<code>\Roman</code>	\رومن بزرگ
<code>\roman</code>	\رومن کوچک
<code>\romannumeral</code>	\عدد رومی
<code>\rotatebox</code>	\کادر چرخان
<code>\rowcolor</code>	\رنگ ردیف
<code>\rule</code>	\خط
<code>\@secondoftwo</code>	\@دومی ازدو
<code>\@spaces</code>	\@فضاها
<code>\samepage</code>	\همین صفحه
<code>\savebox</code>	\مقدار کادر
<code>\sbox</code>	\مقدار

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\scalebox</code>	\کادر اندازه
<code>\scdefault</code>	\پیش فرض تمام بزرگ
<code>\scshape</code>	\شکل تمام بزرگ
<code>\scriptfont</code>	\قلم توان
<code>\scriptscriptfont</code>	\قلم توان توان
<code>\scriptscriptstyle</code>	\سبک ته نوشت ته نوشت
<code>\scriptsize</code>	\اندازه پانویس
<code>\scriptstyle</code>	\سبک ته نوشت
<code>\scrollmode</code>	\پردازش گذری
<code>\section</code>	\قسمت
<code>\secdef</code>	\تعریف قسمت
<code>\see</code>	\ببینید
<code>\seealso</code>	\نیز ببینید
<code>\seename</code>	\نام ببینید
<code>\selectfont</code>	\قلم بردار
<code>\setboolean</code>	\تنظیم بولی
<code>\setbox</code>	\درکادر
<code>\setcounter</code>	\مقدار شمارنده
<code>\setkeys</code>	\مقدار کلیدها
<code>\setlength</code>	\مقدار بعد
<code>\setminus</code>	\تنظیم منها
<code>\SetSymbolFont</code>	\تعریف قلم علائم
<code>\settodepth</code>	\تنظیم به عمق
<code>\settoheight</code>	\تنظیم به ارتفاع
<code>\settowidth</code>	\مقدار بعد به اندازه
<code>\sfcode</code>	\کد ضریب فاصله
<code>\sfdefault</code>	\پیش فرض س ف
<code>\sffamily</code>	\فامیل سن سریف
<code>\shadowbox</code>	\کادر سایه دار
<code>\sharp</code>	\تیز
<code>\shipout</code>	\بفرست
<code>\shortstack</code>	\پشته کوتاه
<code>\show</code>	\نمایش بده
<code>\showbox</code>	\نمایش بده کادر
<code>\showboxbreadth</code>	\میزان نمایش کادر
<code>\showboxdepth</code>	\عمق نمایش کادر
<code>\showlists</code>	\نمایش بده لیستها
<code>\showthe</code>	\نمایش بده محتوای
<code>\simplefontmode</code>	\حالت ساده قلم
<code>\sixt@@n</code>	\شانزد @

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\skewchar</code>	\نویسه اریب
<code>\skip</code>	\فاصله
<code>\skip@</code>	\فاصل@
<code>\skipdef</code>	\تعریف فاصله
<code>\sl</code>	\خوابیده
<code>\sldefault</code>	\پیش فرض خو
<code>\slshape</code>	\شکل خوابیده
<code>\sloppy</code>	\راحت چین
<code>\slshape</code>	\شماپل خو
<code>\small</code>	\کوچک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatcode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشش
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مسا
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ

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Command in T_EX or L^AT_EX Equivalent Persian Command

\@tempb	@موقت ب
\@tempc	@موقت پ
\@tempd	@موقت ت
\@tempe	@موقت ث
\@tempboxa	@کادرت آ
\@tempcnta	@شماقت آ
\@tempcntb	@شماقت ب
\@tempdima	@بعدقت آ
\@tempdimb	@بعدقت ب
\@tempdimc	@بعدقت پ
\@tempskipa	@فاقت آ
\@tempskipb	@فاقت ب
\@tempswafalse	@سواقت آنادرست
\@tempswatru	@سواقت آدرست
\@temptokena	@جزفت آ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\تیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textbar</code>	\میله متنی
<code>\textgreater</code>	\بزرگ ترمتی
<code>\textless</code>	\کمترمتی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدورمتی
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متی
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبک متی
<code>\textsuperscript</code>	\بالا نویسی متی
<code>\texttrademark</code>	\علامت تجاری متی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\times</code>	ضرب در
<code>\title</code>	عنوان
<code>\to</code>	به
<code>\today</code>	امروز
<code>\toks</code>	جزء
<code>\toksdef</code>	تعریف جزء
<code>\tolerance</code>	حد بد نمایی
<code>\top</code>	بالا
<code>\topfigrule</code>	خط بالای شناور
<code>\topfraction</code>	نسبت بالا
<code>\topmargin</code>	حاشیه بالا
<code>\topmark</code>	علامت بالا
<code>\toppageskip</code>	کادر تا بالا
<code>\topsep</code>	فاصله بالای لیست
<code>\topskip</code>	فاصله بالا
<code>\totalheight</code>	بلندای کل
<code>\tracingall</code>	ردگیری کل
<code>\tracingcommands</code>	ردگیری فرامین
<code>\tracinglostchars</code>	ردگیری حروف
<code>\tracingmacros</code>	ردگیری ماکروها
<code>\tracingonline</code>	ردگیری نمایشی
<code>\tracingoutput</code>	ردگیری صفحه بندی
<code>\tracingpages</code>	ردگیری صفحات
<code>\tracingparagraphs</code>	ردگیری بندها
<code>\tracingrestores</code>	ردگیری بازگردانی
<code>\tracingstats</code>	ردگیری آمارها
<code>\triangle</code>	مثلث
<code>\ttdefault</code>	پیش فرض تایپ
<code>\ttfamily</code>	فامیل تایپ
<code>\tw@</code>	@دو
<code>\twocolumn</code>	دو ستون
<code>\typein</code>	در نویسی
<code>\typeout</code>	بر نویسی
<code>\uccode</code>	کد بزرگ
<code>\uchyph</code>	تیره بندی بزرگ
<code>\undefined</code>	تعریف نشده
<code>\underline</code>	زیر خط
<code>\unhbox</code>	جی کادرا
<code>\unhcopy</code>	جی کپی
<code>\unitlength</code>	واحد طول

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\unkern</code>	\برگشت دوری
<code>\unpenalty</code>	\برگشت جریمه
<code>\unskip</code>	\برگشت فاصله
<code>\unvbox</code>	\بی کادرو
<code>\unvcopy</code>	\بی کپی و
<code>\updefault</code>	\پیش فرض ایستاده
<code>\upshape</code>	\شکل ایستاده
<code>\usebox</code>	\ازکادر
<code>\usecounter</code>	\باشمارشگر
<code>\usefont</code>	\گزینه قلم
<code>\usepackage</code>	\سبک لازم
<code>\@vobeyspaces</code>	\@فضاهای فعال
<code>\@void</code>	\@تهی
<code>\adjust</code>	\تنظیم و
<code>\align</code>	\ردیف و
<code>\value</code>	\محتوای شمارنده
<code>\vbadness</code>	\بدنمایی و
<code>\vbox</code>	\کادرو
<code>\vcenter</code>	\کادرو وسط
<code>\verb</code>	\همانطور
<code>\vfil</code>	\پرو
<code>\vfill</code>	\پررو
<code>\vfilneg</code>	\رفع پرو
<code>\vfuzz</code>	\پرزعمودی
<code>\visible</code>	\نمایان
<code>\vline</code>	\خط عمود
<code>\voffset</code>	\حاشیه و
<code>\voidb@x</code>	\ک@درتهی
<code>\vpageref</code>	\ارجاع صفحه ع
<code>\vrb@xsep</code>	\فاصله وگرد
<code>\vref</code>	\ارجاع ع
<code>\vrule</code>	\خط و
<code>\vsize</code>	\طول صفحه
<code>\vskip</code>	\فاصله و
<code>\vspace</code>	\فضای و
<code>\vsplit</code>	\شکست و
<code>\vss</code>	\هردو و
<code>\vtop</code>	\کادرگود
<code>\wd</code>	\عرض
<code>\whiledo</code>	\مادام بکن

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\widehat</code>	<code>\کلاه‌پهن</code>
<code>\widetilde</code>	<code>\مد‌پهن</code>
<code>\widowpenalty</code>	<code>\جریمه‌ته‌بند</code>
<code>\width</code>	<code>\پهنا</code>
<code>\wlog</code>	<code>\درکارنامه</code>
<code>\write</code>	<code>\بنویس</code>
<code>\@xobeysp</code>	<code>\@فضای‌لاتین</code>
<code>\@xxxii</code>	<code>\سی‌@دو</code>
<code>\xdef</code>	<code>\ترگع</code>
<code>\xleaders</code>	<code>\نشانگرگسترشی</code>
<code>\xspaceskip</code>	<code>\فاصله‌اضافی‌کلمات</code>
<code>\year</code>	<code>\سال</code>
<code>\z@</code>	<code>\@فر</code>
<code>\z@skip</code>	<code>\@فرفاصله</code>

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
<code>\autofootnoterule</code>	<code>\خط‌زیرنویس‌خودکار</code>
<code>\AutoMathsDigits</code>	<code>\اعداد‌فرمولها‌خودکار</code>
<code>\DefaultMathsDigits</code>	<code>\اعداد‌فرمولها‌لاتین</code>
<code>\deflatinfont</code>	<code>\تعریف‌قلم‌لاتین</code>
<code>\defpersianfont</code>	<code>\تعریف‌قلم‌پارسی</code>
<code>\hboxL</code>	<code>\کادر‌را‌چپ</code>
<code>\hboxR</code>	<code>\کادر‌را‌ست</code>
<code>\keyval@eq@alias@key</code>	<code>\معادل‌@کلید</code>
<code>\Latincite</code>	<code>\مرجع‌لاتین</code>
<code>\latinfont</code>	<code>\قلم‌لاتین</code>
<code>\latintoday</code>	<code>\امروز‌لاتین</code>
<code>\leftfootnoterule</code>	<code>\خط‌زیرنویس‌چپ</code>
<code>\lr</code>	<code>\متن‌لاتین</code>
<code>\LRE</code>	<code>\چپ‌براست</code>
<code>\LTRdblcol</code>	<code>\دوستونی‌چپ</code>
<code>\LTRfootnote</code>	<code>\پانویس</code>
<code>\LTRfootnotetext</code>	<code>\متن‌پانویس</code>
<code>\LTRthanks</code>	<code>\پانویس‌عنوان</code>
<code>\persianday</code>	<code>\روز‌پارسی</code>
<code>\persianfont</code>	<code>\قلم‌پارسی</code>
<code>\PersianMathsDigits</code>	<code>\اعداد‌فرمولها‌پارسی</code>
<code>\persianmonth</code>	<code>\ماه‌پارسی</code>
<code>\persianyear</code>	<code>\سال‌پارسی</code>

Continued on next page



Command in XePersian	Equivalent Persian Command
<code>\plq</code>	<code>\علامت چپ نقل قول پارسی</code>
<code>\prq</code>	<code>\علامت راست نقل قول پارسی</code>
<code>\rightfootnoterule</code>	<code>\خط زیرنویس راست</code>
<code>\rl</code>	<code>\متن پارسی</code>
<code>\RLE</code>	<code>\راست بچپ</code>
<code>\RTLdblcol</code>	<code>\دوستونی راست</code>
<code>\RTLfootnote</code>	<code>\پانوشت</code>
<code>\RTLfootnotetext</code>	<code>\متن پانوشت</code>
<code>\RTLthanks</code>	<code>\پانوشت عنوان</code>
<code>\@SepMark</code>	<code>@\علامت بین</code>
<code>\SepMark</code>	<code>\علامت بین</code>
<code>\setdefaultbibitems</code>	<code>\بگذار مرجوعات عادی</code>
<code>\setdefaultmarginpar</code>	<code>\بگذارد در حاشیه عادی</code>
<code>\setdigitfont</code>	<code>\گزینش قلم اعداد فرمولها</code>
<code>\setfootnoteLR</code>	<code>\بگذار زیرنویس چپ</code>
<code>\setfootnoteRL</code>	<code>\بگذار زیرنویس راست</code>
<code>\setlatintextfont</code>	<code>\گزینش قلم لاتین متن</code>
<code>\setLTR</code>	<code>\بگذار متن چپ</code>
<code>\setLTRbibitems</code>	<code>\بگذار مرجوعات چپ</code>
<code>\setLTRmarginpar</code>	<code>\بگذارد در حاشیه چپ</code>
<code>\setRTL</code>	<code>\بگذار متن راست</code>
<code>\setRTLbibitems</code>	<code>\بگذار مرجوعات راست</code>
<code>\setRTLmarginpar</code>	<code>\بگذارد در حاشیه راست</code>
<code>\settextfont</code>	<code>\گزینش قلم متن</code>
<code>\textwidthfootnoterule</code>	<code>\خط زیرنویس پهنای متن</code>
<code>\twocolumnstableofcontents</code>	<code>\فهرست مطالب دو ستونی</code>
<code>\unsetfootnoteRL</code>	<code>\نگذار زیرنویس راست</code>
<code>\unsetLTR</code>	<code>\نگذار متن چپ</code>
<code>\unsetRTL</code>	<code>\نگذار متن راست</code>
<code>\vboxL</code>	<code>\کادر و از چپ</code>
<code>\vboxR</code>	<code>\کادر و از راست</code>
<code>\XeLaTeX</code>	<code>\ازی لاتک</code>
<code>\XePersian</code>	<code>\ازی پرشین</code>
<code>\xepersianversion</code>	<code>\گونه زی پرشین</code>
<code>\xepersiandate</code>	<code>\تاریخ گونه زی پرشین</code>
<code>\XeTeX</code>	<code>\ازی تک</code>

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
<code>abstract</code>	<code>چکیده</code>
<code>appendix</code>	<code>پیوست</code>

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Environment in \LaTeX Equivalent Persian Environment

array	آرایه
center	وسط چین
description	توضیح
displaymath	ریاضی نمایشی
document	نوشتار
enumerate	شمارش
figure	شکل
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر چ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چند ستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جا گذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی

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Environment in \LaTeX	Equivalent Persian Environment
verbatim	همانطورکه هست
verbatim*	همانطورکه هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ
LTRitems	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی راست

Localisation of position arguments. Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent \LaTeX position arguments

Position argument in \LaTeX	Equivalent Persian position argument
b	ز
c	و
C	س
h	ا
H	آ
J	ت
l	چ
L	ف
m	م
p	پ
p	ص
r	ر
R	ا
s	ک
t	ب

☞ There are two ps in [Table 5](#), first p and its Persian equivalent پ stand for paragraph (used in `tabular` and similar environments) and the second p and its Persian equivalent ص stand for page (used in float-like environments).

2.4.8 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.



Table 6: Persian Equivalent keys of graphicx package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدا
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of graphicx package

Original Key value	Equivalent Persian Key value
b	ز
B	ک
false	نادرست
l	چ
r	ر
t	ب
true	درست

2.4.9 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر

Continued on next page



Original font feature	Equivalent Persian font feature
Renderer	تحویل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه

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Original font feature	Equivalent Persian font feature
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت اسکرپیت ریاضی

2.5 A Sample Input T_EX File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیر قسمت}
16 ...
17 \end{document}

```

2.6 Font Commands



2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T_EX font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for `IranNastaliq` font.

- ☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for `Junicode` font.



2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iraniconfamily \textiranicon{\text}
```

2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```



3 Latin and Persian Environment

```
\begin{latin} <text> \end{latin}  
\begin{persian} <text> \end{persian}
```

- ☞ latin environment both changes direction of the paragraphs to LTR and font to Latin font.
- ☞ persian environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 latinitems and parsiitems environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

- ☞ latinitems environment is similar to LTRitems environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

- ☞ parsiitems environment is similar to RTLitems environment but changes the font to Persian font.

3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

- ☞ With \lr command, you can typeset short LTR texts.
- ☞ With \rl command, you can typeset short RTL texts.

3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

- ☞ \persianyear is Persian equivalent of \year.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets `XePersian`'s logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

3.4 New Commands

`\Latincite`

- ☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

3.5 Additional Counters

`XePersian` defines several additional counters to what already \LaTeX offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}` `\adadinumeral{⟨integer⟩}` `\tartibinumeral{⟨integer⟩}`

- ☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.
- ☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.
- ☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.
- ☞ `\harfinumeral` returns the **harfi** form of $\langle integer \rangle$, where $1 \leq integer \leq 32$ and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of $\langle integer \rangle$ respectively, where $0 \leq integer \leq 999,999,999$.



3.6 Things To Know About `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

```
\DefaultMathsDigits \PersianMathsDigits \AutoMathsDigits
```

☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.

☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode and digits appear in their original form (Western).

If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.

☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.

☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

```
\ifwritexviii  
  <material when Shell escape (or write18) is enabled>  
\else  
  <material when Shell escape (or write18) is not enabled>  
\fi
```

5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.



5.1 Support For Various Packages

In addition to what bidi package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are algorithmic, algorithm, enumerate, and backref packages.

5.1.1 Things You Should Know about Support For enumerate Package

The enumerate package gives the enumerate environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens A, a, I, i, or 1 produces the value of the counter printed with (respectively) \Alph, \alph, \Roman, \roman or \arabic.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

These letters may be surrounded by any strings involving any other T_EX expressions, however the tokens A, a, I, i, 1, l, ی, ت must be inside a {} group if they are not to be taken as special.

To see an Example, please look at enumerate package documentation.

5.2 Index Generation

For generating index, you are advised to use xindy program, any other program such as makeindex is not recommended.

5.3 Converting Your FarsiT_EX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT_EX files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT_EX files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT_EX file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your file.ftx (FarsiT_EX file) to file.tex (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

-r (DEFAULT) recursively consider files included in the given files

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



-u only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

6 Extra Packages And Classes

6.1 Magazine Typesetting

6.1.1 Introduction

xepersian-magazine class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

6.1.2 Usage

To create² a magazine just load the class as usual³, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsection 6.1.g](#).

6.1.3 Front Page

As every magazine, xepersian-magazine has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within xepersian-magazine class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments (*image*) and (*description*). Notice that second argument is optional and it declares the image

²For a sample file, please look at `magazine-sample.tex` in the doc folder

³You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\firstarticle{<title>}{<opening>}{<time>}
```

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

```
\secondarticle
```

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

```
\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The new arguments *<subtitle>* and *<pagesof>* define a subtitle and the name of the section for this piece of article.

```
\thirdarticle
```

The third piece of article is the last one in the xepersian-magazine front page. It works like the `\secondarticle`.

```
\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original xepersian-magazine format.

```
\indexitem
```

The `indexblock` environment contains a manually edited index of xepersian-magazine. It takes one optional argument *<title>* and places a title over the index block. To add entries inside the index just type

```
\indexitem{<title>}{<reference>}
```

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsub-](#)



[section 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument *<title>* that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{<image>}{<day-name>}{<max>} {<min>}{<short-des>}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), *<day-name>* like Monday, *<max>* and *<min>* are the highest and lowest day temperatures and *<short-des>* is a brief description of the weather condition: partly cloudy, sunny and windy ...

6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsection 6.1.5](#), the `editorial` environment [subsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 6.1.7](#).

6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{<num-of-columns>}{<title>}{<subtitle>} {<pagesof>}{<label>}  
...<text>...  
\end{article}
```

The first argument *<num-of-columns>* sets the number of columns the article will be divided whereas *<label>* is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.




```
\authorandplace \timestamp
```

The `\authorandplace{author}{place}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{time}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

```
\image
```

To include images within the text of an article, xepersian-magazine provides an `\image` command. Since multicols package does not provide any float support for its multicols environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{image}{description}
```

```
\columntitle \expandedtitle
```

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

```
\columntitle{type}{text}  
\expandedtitle{type}{text}
```

These two commands use fancybox package features. That is why there are five different types of titles which correspond mainly with fancybox ones: shadowbox, doublebox, ovalbox, Ovalbox and lines.

6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use



```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}  
...{\langle text \rangle}...  
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}  
...{\langle text \rangle}...  
\shortarticleitem{\langle title \rangle}{\langle text \rangle}  
...  
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside xepersian-magazine: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new `\langle section name \rangle`. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

6.1.9 Customization

xepersian-magazine includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard \LaTeX commands, using `\renewcommand` to change their behaviour.



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinename
```

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

```
\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinename{<text>}
```

```
\edition \editionformat
```

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

```
\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator
```

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

```
\weatherFormat \weatherTempFormat \weatherUnits
```

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

```
\*TitleFormat \*SubtitleFormat \*TextFormat
```

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.



```
\pictureCaptionFormat \pagesFormat
```

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

6.1.11 Inside The Magazine

```
\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat
```

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

```
\timestampTxt \timestampSeparator \timestampFormat
```

The `\timestamp` command described in [subsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable \LaTeX class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

```
\minraggedcols \raggedFormat
```

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.



```
\heading \foot
```

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

```
\heading{\left}\{center}\{right}\}  
\foot{\left}\{center}\{right}\}
```

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment. xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but twoside, twocolumn, notitlepage and a4paper. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

a3paper (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

9pt (false) Allows the 9pt font size that article class does not include (default is 10pt).

columnlines columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

showgrid (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the lay out.

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under \LaTeX . A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide and correct the questionnaires more easily by superimposing the mask on top of students’ forms.



6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in `doc` folder that you may want to look at.

6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

6.2.6 Question Numbers

The `question` environment is associated with a \LaTeX counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`



6.2.7 The Form and the Mask

```
\makeform \makemask
```

Based on the questions appearing in your document, `xepersian-multiplechoice` has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of \LaTeX in order to get a correctly formatted document.

6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that `xepersian-multiplechoice` cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

6.2.9 Important Note

Currently, `xepersian-multiplechoice` requires that you provide a constant number of proposed answers across all questions in your `xepersian-multiplechoice`. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when `xepersian-multiplechoice` encounters the first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell `xepersian-multiplechoice` explicitly what that number is.

6.3 Customising The Package



6.3.1 The question environment

```
\questionspace \answerstitlefont \answernumberfont
```

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a \LaTeX length that defaults to `0pt`. Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used. Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

6.3.2 The Form and the Mask

```
\headerfont \X
```

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

6.3.3 The correction

```
\truesymbol \falsesymbol
```

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and `\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

```
\truesymbol{\ding{'063}~}  
\falsesymbol{\ding{'067}~}
```

```
\correctionstyle
```

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

7 xepersian implementation

7.1 algorithmic-xepersian.def




```

1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{   :}\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{   :}\else\textbf{Ensure:}\fi}

```

7.2 algorithm-xepersian.def

```

4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL else\   Algorithm\fi}
6 \def\ALGS@name{   }
7 \def\listalgorithmname{\if@RTL   \ALGS@name\else List of \ALG@name s\fi}

```

7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13

```

7.4 amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18   \c@chapter\z@ \c@section\z@
19   \let\chaptername\appendixname
20   \def\thechapter{\@harfi\c@chapter}}
21
22

```

7.5 appendix-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
24 \renewcommand{\@resets@pp}{\par
25   \@ppsavesec
26   \stepcounter{@pps}
27   \setcounter{section}{0}%
28   \if@chapter@pp
29     \setcounter{chapter}{0}%
30     \renewcommand\@chapapp{\appendixname}%
31     \renewcommand\thechapter{\@harfi\c@chapter}%
32   \else
33     \setcounter{subsection}{0}%
34     \renewcommand\thesection{\@harfi\c@section}%
35   \fi
36   \restoreapp
37 }

```

7.6 article-xepersian.def

```

38 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]

```



```

39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41 \setcounter{section}{0}%
42 \setcounter{subsection}{0}%
43 \gdef\thesection{\@harfi\c@section}}

```

7.7 `artikel1-xepersian.def`

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47 \setcounter{section}{0}%
48 \setcounter{subsection}{0}%
49 \gdef\thesection{\@harfi\c@section}}

```

7.8 `artikel2-xepersian.def`

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53 \setcounter{section}{0}%
54 \setcounter{subsection}{0}%
55 \gdef\thesection{\@harfi\c@section}}

```

7.9 `artikel3-xepersian.def`

```

56 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59 \setcounter{section}{0}%
60 \setcounter{subsection}{0}%
61 \gdef\thesection{\@harfi\c@section}}

```

7.10 `backref-xepersian.def`

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL else\ pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65 \BRorg@Latincitex[#{#1}]{#2}%
66 \ifBR@verbose
67 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68 \fi
69 \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72 \@ifundefined{NAT@parse}{%
73 \global\let\BRorg@Latincitex\@Latincitex
74 \global\let\@Latincitex\BR@Latincitex
75 }{%
76 \@ifpackageloaded{hyperref}{%
77 \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78 }%
79 \PackageInfo{backref}{** backref set up for natbib **}%

```



```
80 }%
81 }%
```

7.11 bidentuftsidenote-xepersian.def

```
82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentufts
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
87
88 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
89
90
```

7.12 bidimoderncv-xepersian.def

```
91 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
92 \def\refname{\if@RTL else\ Publications\fi}
```

7.13 boek3-xepersian.def

```
93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96 \cleardoublepage
97 \@mainmatterfalse
98 \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100 \setcounter{chapter}{0}%
101 \setcounter{section}{0}%
102 \gdef\@chapapp{\appendixname}%
103 \gdef\thechapter{\@harfi\c@chapter}}
```

7.14 boek-xepersian.def

```
104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107 \cleardoublepage
108 \@mainmatterfalse
109 \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111 \setcounter{chapter}{0}%
112 \setcounter{section}{0}%
113 \gdef\@chapapp{\appendixname}%
114 \gdef\thechapter{\@harfi\c@chapter}}
```

7.15 bookest-xepersian.def

```
115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par
```



```

118 \setcounter{chapter}{0}%
119 \setcounter{section}{0}%
120 \gdef\@chapapp{\appendixname}%
121 \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

7.16 book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130   \setcounter{chapter}{0}%
131   \setcounter{section}{0}%
132   \gdef\@chapapp{\appendixname}%
133   \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

7.17 breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137   \everydisplay\expandafter{\the\everydisplay \display@setup}%
138   \if@noskipsec \leavevmode \fi
139   \if@inlabel \leavevmode \global\@inlabelfalse \fi
140   \if\eq@group\else\eq@prelim\fi
141   \setkeys{breqn}{#1}%
142   \the\eqstyle
143   \eq@setnumber
144   \begingroup
145   \eq@setup@a
146   \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151   \global\let\GRP@label\@empty
152   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153   \global\grp@linewidth\z@\global\grp@wdNum\z@
154   \global\let\grp@eqs@numbered\@False
155   \global\let\grp@aligned\@True
156   \global\let\grp@shiftnumber\@False
157   \eq@prelim
158   \setkeys{breqn}{#1}%
159   \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162   \let\display@setup\dseries@display@setup

```



```

163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169     \ifdim\lastskip<.3em \unskip
170     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

7.18 latex-localise-commands-xepersian.def

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}

```



```

210 \eqcommand{   }{arrayrulecolor}
211 \eqcommand{   }{arraycolsep}
212 \eqcommand{   }{arrayrulewidth}
213 \eqcommand{   }{arraystretch}
214 \eqcommand{   }{AtBeginDocument}
215 \eqcommand{   }{AtEndDocument}
216 \eqcommand{   }{AtEndOfClass}
217 \eqcommand{   }{AtEndOfPackage}
218 \eqcommand{   }{author}
219 \eqcommand{   }{backmatter}
220 \eqcommand{   }{backslash}
221 \eqcommand{   }{badness}
222 \eqcommand{   }{bar}
223 \eqcommand{   }{baselineskip}
224 \eqcommand{   }{baselinestretch}
225 \eqcommand{   }{batchmode}
226 \eqcommand{   }{begin}
227 \eqcommand{   }{beginL}
228 \eqcommand{   }{beginR}
229 \eqcommand{   }{begingroup}
230 \eqcommand{   }{belowdisplayskip}
231 \eqcommand{   }{belowdisplayskip}
232 \eqcommand{   }{bf}
233 \eqcommand{   }{bfdefault}
234 \eqcommand{   }{bfseries}
235 \eqcommand{   }{bgroup}
236 \eqcommand{   }{bibitem}
237 \eqcommand{   }{bibliography}
238 \eqcommand{   }{bibliographystyle}
239 \eqcommand{   }{bibname}
240 \eqcommand{   }{bigskip}
241 \eqcommand{   }{bigskipamount}
242 \eqcommand{   }{botfigrule}
243 \eqcommand{   }{botmark}
244 \eqcommand{   }{bottompageskip}
245 \eqcommand{   }{bottomfraction}
246 \eqcommand{   }{box}
247 \eqcommand{   }{boxmaxdepth}
248 \eqcommand{   }{break}
249 \eqcommand{   }{bullet}
250 \eqcommand{ @ }{@cclv}
251 \eqcommand{ @ }{@cclvi}
252 \eqcommand{   }{caption}
253 \eqcommand{   }{catcode}
254 \eqcommand{   }{cc}
255 \eqcommand{   }{ccname}
256 \eqcommand{   }{cdot}
257 \eqcommand{   }{cdots}
258 \eqcommand{   }{centering}
259 \eqcommand{   }{centerline}

```



```

260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{ }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{ }{chardef}
265 \eqcommand{ }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{ }{ClassError}
268 \eqcommand{ }{ClassInfo}
269 \eqcommand{ }{ClassWarning}
270 \eqcommand{ }{ClassWarningNoLine}
271 \eqcommand{ }{cleaders}
272 \eqcommand{ }{cleardoublepage}
273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @}{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}
300 \eqcommand{ }{dashbox}
301 \eqcommand{ }{dashv}
302 \eqcommand{ @}{@date}
303 \eqcommand{ }{date}
304 \eqcommand{ }{day}
305 \eqcommand{ }{dblbotfigrule}
306 \eqcommand{ }{dblbottomfraction}
307 \eqcommand{ }{dblfigrule}
308 \eqcommand{ }{dblfloatpagefraction}
309 \eqcommand{ }{dblfloatsep}

```



```

310 \eqcommand{      }{dblfnfloatcode}
311 \eqcommand{      }{dbltextfloatsep}
312 \eqcommand{      }{dbltopfraction}
313 \eqcommand{      }{DeclareFixedFont}
314 \eqcommand{      }{DeclareGraphicsExtensions}
315 \eqcommand{      }{DeclareGraphicsRule}
316 \eqcommand{      }{DeclareOldFontCommand}
317 \eqcommand{      }{DeclareOption}
318 \eqcommand{      }{DeclareRobustCommand}
319 \eqcommand{      }{DeclareSymbolFont}
320 \eqcommand{      }{deadcycles}
321 \eqcommand{ }{def}
322 \eqcommand{ @ }{define@key}
323 \eqcommand{   }{definecolor}
324 \eqcommand{ }{deg}
325 \eqcommand{   }{delcode}
326 \eqcommand{   }{delimiter}
327 \eqcommand{   }{delimiterfactor}
328 \eqcommand{ }{depth}
329 \eqcommand{ }{diamondsuit}
330 \eqcommand{ }{dim}
331 \eqcommand{ }{dimen}
332 \eqcommand{ @}{dimen@}
333 \eqcommand{ @ }{dimen@i}
334 \eqcommand{ @ }{dimen@ii}
335 \eqcommand{   }{dimendef}
336 \eqcommand{   }{discretionary}
337 \eqcommand{   }{displaybreak}
338 \eqcommand{   }{displayindent}
339 \eqcommand{   }{displaystyle}
340 \eqcommand{   }{displaywidth}
341 \eqcommand{ }{divide}
342 \eqcommand{   }{documentclass}
343 \eqcommand{ }{do}
344 \eqcommand{   }{dospecials}
345 \eqcommand{ }{dot}
346 \eqcommand{   }{doteq}
347 \eqcommand{   }{dotfill}
348 \eqcommand{ }{dots}
349 \eqcommand{   }{doublebox}
350 \eqcommand{   }{doublerulesepcolor}
351 \eqcommand{   }{doublerulesep}
352 \eqcommand{   }{downarrow}
353 \eqcommand{ }{dp}
354 \eqcommand{ }{dump}
355 \eqcommand{ }{edef}
356 \eqcommand{   }{egroup}
357 \eqcommand{   }{eject}
358 \eqcommand{ }{else}
359 \eqcommand{ }{em}

```




```

360 \eqcommand{    }{emergencystretch}
361 \eqcommand{  }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{  }{empty}
364 \eqcommand{  }{emptyset}
365 \eqcommand{  }{end}
366 \eqcommand{  }{endL}
367 \eqcommand{  }{endR}
368 \eqcommand{  }{endcsname}
369 \eqcommand{  }{endfirsthead}
370 \eqcommand{  }{endfoot}
371 \eqcommand{  }{endgraf}
372 \eqcommand{  }{endgroup}
373 \eqcommand{  }{endhead}
374 \eqcommand{  }{endinput}
375 \eqcommand{  }{endlastfoot}
376 \eqcommand{  }{enlargethispage}
377 \eqcommand{  }{endline}
378 \eqcommand{  }{endlinechar}
379 \eqcommand{  }{enspace}
380 \eqcommand{  }{enskip}
381 \eqcommand{  }{eqcommand}
382 \eqcommand{  }{eqenvironment}
383 \eqcommand{  }{eqref}
384 \eqcommand{  }{errhelp}
385 \eqcommand{  }{errmessage}
386 \eqcommand{  }{errorcontextlines}
387 \eqcommand{  }{errorstopmode}
388 \eqcommand{  }{escapechar}
389 \eqcommand{  }{euro}
390 \eqcommand{  }{evensidemargin}
391 \eqcommand{  }{everycr}
392 \eqcommand{  }{everydisplay}
393 \eqcommand{  }{everyhbox}
394 \eqcommand{  }{everyjob}
395 \eqcommand{  }{everymath}
396 \eqcommand{  }{everypar}
397 \eqcommand{  }{everyvbox}
398 \eqcommand{  }{ExecuteOptions}
399 \eqcommand{  }{exhyphenpenalty}
400 \eqcommand{  }{expandafter}
401 \eqcommand{  }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{  }{fam}
406 \eqcommand{  }{fancy page}
407 \eqcommand{  }{fbox}
408 \eqcommand{  }{fboxrule}
409 \eqcommand{  }{fboxsep}

```



```

410 \eqcommand{    }{fcolorbox}
411 \eqcommand{  }{fi}
412 \eqcommand{    }{figurename}
413 \eqcommand{    }{filbreak}
414 \eqcommand{  }{fill}
415 \eqcommand{    }{firstmark}
416 \eqcommand{  }{flat}
417 \eqcommand{    }{floatpagefraction}
418 \eqcommand{    }{floatingpenalty}
419 \eqcommand{    }{floatsep}
420 \eqcommand{    }{flushbottom}
421 \eqcommand{    }{fmtname}
422 \eqcommand{    }{fmtversion}
423 \eqcommand{    }{fnsymbol}
424 \eqcommand{  }{font}
425 \eqcommand{    }{fontdimen}
426 \eqcommand{    }{fontencoding}
427 \eqcommand{    }{fontfamily}
428 \eqcommand{    }{fontname}
429 \eqcommand{    }{fontseries}
430 \eqcommand{    }{fontshape}
431 \eqcommand{    }{fontsize}
432 \eqcommand{    }{footheight}
433 \eqcommand{    }{footins}
434 \eqcommand{  }{footnote}
435 \eqcommand{    }{footnotemark}
436 \eqcommand{    }{footnoterule}
437 \eqcommand{    }{footnotesep}
438 \eqcommand{    }{footnotesize}
439 \eqcommand{    }{footnotetext}
440 \eqcommand{    }{footskip}
441 \eqcommand{  }{frame}
442 \eqcommand{    }{framebox}
443 \eqcommand{    }{frenchspacing}
444 \eqcommand{  }{frontmatter}
445 \eqcommand{  }{futurelet}
446 \eqcommand{@  }{@gobble}
447 \eqcommand{@  }{@gobbletwo}
448 \eqcommand{@  }{@gobblefour}
449 \eqcommand{@  }{@gtempa}
450 \eqcommand{@  }{@gtempb}
451 \eqcommand{  }{gdef}
452 \eqcommand{    }{GenericInfo}
453 \eqcommand{    }{GenericWarning}
454 \eqcommand{    }{GenericError}
455 \eqcommand{  }{global}
456 \eqcommand{    }{globaldefs}
457 \eqcommand{  }{glossary}
458 \eqcommand{    }{glossaryentry}
459 \eqcommand{  }{goodbreak}

```



```

460 \eqcommand{ }{graphpaper}
461 \eqcommand{ }{guillemotleft}
462 \eqcommand{ }{guillemotright}
463 \eqcommand{ }{guilsinglleft}
464 \eqcommand{ }{guilsinglright}
465 \eqcommand{ }{halign}
466 \eqcommand{ }{hang}
467 \eqcommand{ }{hangafter}
468 \eqcommand{ }{hangindent}
469 \eqcommand{ }{hbadness}
470 \eqcommand{ }{hbox}
471 \eqcommand{ }{headheight}
472 \eqcommand{ }{headsep}
473 \eqcommand{ }{headtoname}
474 \eqcommand{ }{heartsuit}
475 \eqcommand{ }{height}
476 \eqcommand{ }{hfil}
477 \eqcommand{ }{hfill}
478 \eqcommand{ }{hfilneg}
479 \eqcommand{ }{hfuzz}
480 \eqcommand{ }{hideskip}
481 \eqcommand{ }{hidewidth}
482 \bidi@csletcs{ }{hline}% this is an exception
483 \eqcommand{ }{hoffset}
484 \eqcommand{ }{holdinginserts}
485 \eqcommand{ }{hrboxsep}
486 \eqcommand{ }{hrule}
487 \eqcommand{ }{hrulefill}
488 \eqcommand{ }{hsize}
489 \eqcommand{ }{hskip}
490 \eqcommand{ }{hspace}
491 \eqcommand{ }{hss}
492 \eqcommand{ }{ht}
493 \eqcommand{ }{huge}
494 \eqcommand{ }{Huge}
495 \eqcommand{ }{hyperlink}
496 \eqcommand{ }{hypersetup}
497 \eqcommand{ }{hypertarget}
498 \eqcommand{ }{hyphenation}
499 \eqcommand{ }{hyphenchar}
500 \eqcommand{ }{hyphenpenalty}
501 \eqcommand{@ }{@ifclassloaded}
502 \eqcommand{@ }{@ifdefinable}
503 \eqcommand{@ }{@ifnextchar}
504 \eqcommand{@ }{@ifpackageloaded}
505 \eqcommand{@ }{@ifstar}
506 \eqcommand{@ }{@ifundefined}
507 \eqcommand{ }{if}
508 \eqcommand{ @ }{if@tempw}
509 \eqcommand{ }{ifcase}

```



```

510 \eqcommand{   }{ifcat}
511 \eqcommand{   }{ifdefined}
512 \eqcommand{   }{ifdim}
513 \eqcommand{   }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{   }{iffalse}
516 \eqcommand{   }{IfFileExists}
517 \eqcommand{   }{ifhbox}
518 \eqcommand{   }{ifhmode}
519 \eqcommand{   }{ifinner}
520 \eqcommand{   }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}
523 \eqcommand{   }{ifthenelse}
524 \eqcommand{   }{iftrue}
525 \eqcommand{   }{ifvbox}
526 \eqcommand{   }{ifvmode}
527 \eqcommand{ }{ifvoid}
528 \eqcommand{ }{ifx}
529 \eqcommand{   }{ignorespaces}
530 \eqcommand{ }{immediate}
531 \eqcommand{ }{include}
532 \eqcommand{   }{includegraphics}
533 \eqcommand{   }{includeonly}
534 \eqcommand{   }{indent}
535 \eqcommand{   }{index}
536 \eqcommand{   }{indexentry}
537 \eqcommand{   }{indexname}
538 \eqcommand{   }{indexspace}
539 \eqcommand{ }{input}
540 \eqcommand{   }{InputIfFileExists}
541 \eqcommand{   }{inputlineno}
542 \eqcommand{ }{insert}
543 \eqcommand{   }{insertpenalties}
544 \eqcommand{   }{interfootnotelinepenalty}
545 \eqcommand{   }{interdisplaylinepenalty}
546 \eqcommand{   }{interlinepenalty}
547 \eqcommand{   }{intertext}
548 \eqcommand{   }{intertextsep}
549 \eqcommand{ }{invisible}
550 \eqcommand{   }{itdefault}
551 \eqcommand{   }{itshape}
552 \eqcommand{ }{item}
553 \eqcommand{   }{itemindent}
554 \eqcommand{   }{itemsep}
555 \eqcommand{   }{iterate}
556 \eqcommand{   }{itshape}
557 \eqcommand{   }{jobname}
558 \eqcommand{ }{jot}
559 \eqcommand{ }{kern}

```



```

560 \eqcommand{ }{kill}
561 \eqcommand{ }{label}
562 \eqcommand{ }{labelenumi}
563 \eqcommand{ }{labelenumii}
564 \eqcommand{ }{labelenumiii}
565 \eqcommand{ }{labelenumiv}
566 \eqcommand{ }{labelitemi}
567 \eqcommand{ }{labelitemii}
568 \eqcommand{ }{labelitemiii}
569 \eqcommand{ }{labelitemiv}
570 \eqcommand{ }{labelsep}
571 \eqcommand{ }{labelwidth}
572 \eqcommand{ }{language}
573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}

```



```

610 \eqcommand{      }{listparindent}
611 \eqcommand{      }{listtablename}
612 \eqcommand{      }{LoadClass}
613 \eqcommand{      }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{   }{looseness}
617 \eqcommand{   }{lower}
618 \eqcommand{@   }{@makeother}
619 \eqcommand{@   }{@m}
620 \eqcommand{ @ }{@M}
621 \eqcommand{ @ }{@Mi}
622 \eqcommand{ @ }{@Mii}
623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{   }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{   }{magstephalf}
630 \eqcommand{   }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{   }{makebox}
634 \eqcommand{   }{makeglossary}
635 \eqcommand{   }{makeindex}
636 \eqcommand{   }{makelabel}
637 \eqcommand{   }{makelabels}
638 \eqcommand{   }{MakeLowercase}
639 \eqcommand{   }{maketitle}
640 \eqcommand{   }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{   }{marginparpush}
643 \eqcommand{   }{marginparsep}
644 \eqcommand{   }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{   }{markboth}
647 \eqcommand{   }{markright}
648 \eqcommand{   }{mathaccent}
649 \eqcommand{   }{mathchar}
650 \eqcommand{   }{mathchardef}
651 \eqcommand{   }{mathcode}
652 \eqcommand{   }{mathrm}
653 \eqcommand{   }{maxdeadcycles}
654 \eqcommand{   }{maxdepth}
655 \eqcommand{   }{maxdimen}
656 \eqcommand{   }{mbox}
657 \eqcommand{   }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}

```



```

660 \eqcommand{      }{medmuskip}
661 \eqcommand{      }{medskip}
662 \eqcommand{      }{medskipamount}
663 \eqcommand{      }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{      }{MessageBreak}
666 \eqcommand{      }{minrowclearance}
667 \eqcommand{      }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{      }{moveleft}
670 \eqcommand{      }{moveright}
671 \eqcommand{      }{mskip}
672 \eqcommand{ @ }{m@th}
673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @}{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{      }{natural}
683 \eqcommand{      }{narrow}
684 \eqcommand{      }{narrower}
685 \eqcommand{      }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{      }{negmedspace}
688 \eqcommand{      }{negthickspace}
689 \eqcommand{      }{negthinspace}
690 \eqcommand{ }{newboolean}
691 \eqcommand{      }{newbox}
692 \eqcommand{      }{newcommand}
693 \eqcommand{      }{newcount}
694 \eqcommand{      }{newcounter}
695 \eqcommand{      }{newdimen}
696 \eqcommand{ }{newenvironment}
697 \eqcommand{      }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{      }{newhelp}
700 \eqcommand{      }{newinsert}
701 \eqcommand{      }{newlabel}
702 \eqcommand{      }{newlength}
703 \eqcommand{ }{newline}
704 \eqcommand{      }{newlinechar}
705 \eqcommand{      }{newmuskip}
706 \eqcommand{      }{newpage}
707 \eqcommand{      }{newread}
708 \eqcommand{      }{newsavebox}
709 \eqcommand{      }{newskip}

```



```

710 \eqcommand{    }{newtheorem}
711 \eqcommand{    }{newtoks}
712 \eqcommand{    }{newwrite}
713 \eqcommand{    }{noalign}
714 \eqcommand{    }{nobreak}
715 \eqcommand{    }{nobreakspace}
716 \eqcommand{    }{nocite}
717 \eqcommand{    }{noexpand}
718 \eqcommand{    }{nofiles}
719 \eqcommand{    }{noindent}
720 \eqcommand{    }{nointerlineskip}
721 \eqcommand{    }{nolimits}
722 \eqcommand{    }{nolinebreak}
723 \eqcommand{    }{nonstopmode}
724 \eqcommand{    }{nonfrenchspacing}
725 \eqcommand{    }{nonumber}
726 \eqcommand{    }{nopagebreak}
727 \eqcommand{    }{normalbaselines}
728 \eqcommand{    }{normalbaselineskip}
729 \eqcommand{    }{normalcolor}
730 \eqcommand{    }{normalfont}
731 \eqcommand{    }{normallineskip}
732 \eqcommand{    }{normallineskiplimit}
733 \eqcommand{    }{normalmarginpar}
734 \eqcommand{    }{normalsize}
735 \eqcommand{    }{notag}
736 \eqcommand{    }{null}
737 \eqcommand{    }{nullfont}
738 \eqcommand{    }{number}
739 \eqcommand{    }{numberline}
740 \eqcommand{    }{numberwithin}
741 \eqcommand{    }{@evenfoot}
742 \eqcommand{    }{@evenhead}
743 \eqcommand{    }{@oddfoot}
744 \eqcommand{    }{@oddhead}
745 \eqcommand{    }{@outeqtrue}
746 \eqcommand{    }{@outeqfalse}
747 \eqcommand{    }{obeylines}
748 \eqcommand{    }{obeyspaces}
749 \eqcommand{    }{oddsidemargin}
750 \eqcommand{    }{offinterlineskip}
751 \eqcommand{    }{omit}
752 \eqcommand{@    }{@onlypreamble}
753 \eqcommand{    }{onecolumn}
754 \eqcommand{    }{onlynotes}
755 \eqcommand{    }{onlyslides}
756 \eqcommand{    }{openin}
757 \eqcommand{    }{openout}
758 \eqcommand{    }{OptionNotUsed}
759 \eqcommand{    }{or}

```




```

760 \eqcommand{ }{outer}
761 \eqcommand{ }{output}
762 \eqcommand{ }{outputpenalty}
763 \eqcommand{ }{overfullrule}
764 \eqcommand{@ }{@preamblecmds}
765 \eqcommand{@ }{p@}
766 \eqcommand{ }{PackageError}
767 \eqcommand{ }{PackageInfo}
768 \eqcommand{ }{PackageWarning}
769 \eqcommand{ }{PackageWarningNoLine}
770 \eqcommand{ }{pagebreak}
771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisplaypenalty}

```



```

810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{      }{qquad}
824 \eqcommand{@      }{@outputpagerestore}
825 \eqcommand{      }{radical}
826 \eqcommand{      }{raggedbottom}
827 \eqcommand{      }{raggedleft}
828 \eqcommand{      }{raggedright}
829 \eqcommand{      }{raise}
830 \eqcommand{      }{raisebox}
831 \eqcommand{      }{raisetag}
832 \eqcommand{      }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{      }{read}
835 \eqcommand{      }{ref}
836 \eqcommand{      }{reflectbox}
837 \eqcommand{      }{refname}
838 \eqcommand{      }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{      }{removelastskip}
841 \eqcommand{      }{renewcommand}
842 \eqcommand{      }{renewenvironment}
843 \eqcommand{      }{RequirePackage}
844 \eqcommand{      }{RequirePackageWithOptions}
845 \eqcommand{      }{resizebox}
846 \eqcommand{      }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{      }{right}
849 \eqcommand{      }{rightmargin}
850 \eqcommand{      }{rightmark}
851 \eqcommand{      }{rightpageskip}
852 \eqcommand{      }{rightskip}
853 \eqcommand{      }{rmdefault}
854 \eqcommand{      }{rmfamily}
855 \eqcommand{      }{Roman}
856 \eqcommand{      }{roman}
857 \eqcommand{      }{romannumeral}
858 \eqcommand{      }{rotatebox}
859 \eqcommand{      }{rowcolor}

```



```

860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}
893 \eqcommand{ }{sffamily}
894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sirt@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

910 \eqcommand{ }{sl}
911 \eqcommand{ }{sldefault}
912 \eqcommand{ }{slshape}
913 \eqcommand{ }{sloppy}
914 \eqcommand{ }{slshape}
915 \eqcommand{ }{small}
916 \eqcommand{ }{smallskip}
917 \eqcommand{ }{smallskipamount}
918 \eqcommand{ }{smash}
919 \eqcommand{ }{smile}
920 \eqcommand{ }{snglftlocatencode}
921 \eqcommand{ }{space}
922 \eqcommand{ }{spacefactor}
923 \eqcommand{ }{spaceskip}
924 \eqcommand{ }{spadesuit}
925 \eqcommand{ }{span}
926 \eqcommand{ }{special}
927 \eqcommand{ }{splitmaxdepth}
928 \eqcommand{ }{splittopskip}
929 \eqcommand{ }{star}
930 \eqcommand{ }{stepcounter}
931 \eqcommand{ }{stretch}
932 \eqcommand{ }{string}
933 \eqcommand{ }{strut}
934 \eqcommand{ }{strutbox}
935 \eqcommand{ }{subitem}
936 \eqcommand{ }{subparagraph}
937 \eqcommand{ }{subsection}
938 \eqcommand{ }{substack}
939 \eqcommand{ }{subsubitem}
940 \eqcommand{ }{subsubsection}
941 \eqcommand{ }{subset}
942 \eqcommand{ }{subsetq}
943 \eqcommand{ }{supereject}
944 \eqcommand{ }{suppressfloats}
945 \eqcommand{@ }{@tempa}
946 \eqcommand{@ }{@tempb}
947 \eqcommand{@ }{@tempc}
948 \eqcommand{@ }{@tempd}
949 \eqcommand{@ }{@tempe}
950 \eqcommand{@ }{@tempboxa}
951 \eqcommand{@ }{@tempcnta}
952 \eqcommand{@ }{@tempcntb}
953 \eqcommand{@ }{@tempdima}
954 \eqcommand{@ }{@tempdimb}
955 \eqcommand{@ }{@tempdimc}
956 \eqcommand{@ }{@tempkipa}
957 \eqcommand{@ }{@tempkipb}
958 \eqcommand{@ }{@tempwafalse}
959 \eqcommand{@ }{@tempwatrue}

```



```

960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}
1001 \eqcommand{ }{textrm}
1002 \eqcommand{ }{textsc}
1003 \eqcommand{ }{textsf}
1004 \eqcommand{ }{textsl}
1005 \eqcommand{ }{textstyle}
1006 \eqcommand{ }{textsuperscript}
1007 \eqcommand{ }{texttrademark}
1008 \eqcommand{ }{texttt}
1009 \eqcommand{ }{textup}

```



```

1010 \eqcommand{ }{textwidth}
1011 \eqcommand{ }{thanks}
1012 \eqcommand{ }{the}
1013 \eqcommand{ }{thempfn}
1014 \eqcommand{ }{thicklines}
1015 \eqcommand{ }{thickmuskip}
1016 \eqcommand{ }{thinmuskip}
1017 \eqcommand{ }{thickspace}
1018 \eqcommand{ }{thinlines}
1019 \eqcommand{ }{thinspace}
1020 \eqcommand{ }{thisfancypage}
1021 \eqcommand{ }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{ }{toksdef}
1032 \eqcommand{ }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{ }{topfigrule}
1035 \eqcommand{ }{topfraction}
1036 \eqcommand{ }{topmargin}
1037 \eqcommand{ }{topmark}
1038 \eqcommand{ }{toppageskip}
1039 \eqcommand{ }{topsep}
1040 \eqcommand{ }{topskip}
1041 \eqcommand{ }{totalheight}
1042 \eqcommand{ }{tracingall}
1043 \eqcommand{ }{tracingcommands}
1044 \eqcommand{ }{tracinglostchars}
1045 \eqcommand{ }{tracingmacros}
1046 \eqcommand{ }{tracingonline}
1047 \eqcommand{ }{tracingoutput}
1048 \eqcommand{ }{tracingpages}
1049 \eqcommand{ }{tracingparagraphs}
1050 \eqcommand{ }{tracingrestores}
1051 \eqcommand{ }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{ }{ttdefault}
1054 \eqcommand{ }{ttfamily}
1055 \eqcommand{ @}{tw@}
1056 \eqcommand{ }{twocolumn}
1057 \eqcommand{ }{typein}
1058 \eqcommand{ }{typeout}
1059 \eqcommand{ }{uccode}

```



```

1060 \eqcommand{      }{uchyph}
1061 \eqcommand{    }{underline}
1062 \eqcommand{      }{unhbox}
1063 \eqcommand{      }{unhcopy}
1064 \eqcommand{      }{unitlength}
1065 \eqcommand{      }{unkern}
1066 \eqcommand{      }{unpenalty}
1067 \eqcommand{      }{unskip}
1068 \eqcommand{      }{unvbox}
1069 \eqcommand{      }{unvcopy}
1070 \eqcommand{      }{updefault}
1071 \eqcommand{      }{upshape}
1072 \eqcommand{      }{usebox}
1073 \eqcommand{      }{usecounter}
1074 \eqcommand{      }{usefont}
1075 \eqcommand{      }{usepackage}
1076 \eqcommand{@     }{@vobeyspaces}
1077 \eqcommand{@     }{@void}
1078 \eqcommand{      }{vadjust}
1079 \eqcommand{      }{valign}
1080 \eqcommand{      }{value}
1081 \eqcommand{      }{vbadness}
1082 \eqcommand{      }{vbox}
1083 \eqcommand{      }{vcenter}
1084 \eqcommand{      }{verb}
1085 \eqcommand{      }{vfil}
1086 \eqcommand{      }{vfill}
1087 \eqcommand{      }{vfilneg}
1088 \eqcommand{      }{vfuzz}
1089 \eqcommand{      }{visible}
1090 \eqcommand{      }{vline}
1091 \eqcommand{      }{voffset}
1092 \eqcommand{      @ }{voidb@x}
1093 \eqcommand{      }{pageref}
1094 \eqcommand{      }{vrbboxsep}
1095 \eqcommand{      }{vref}
1096 \eqcommand{      }{vrule}
1097 \eqcommand{      }{vsize}
1098 \eqcommand{      }{vskip}
1099 \eqcommand{      }{vspace}
1100 \eqcommand{      }{vsplit}
1101 \eqcommand{      }{vss}
1102 \eqcommand{      }{vtop}
1103 \eqcommand{      }{wd}
1104 \eqcommand{      }{whiledo}
1105 \eqcommand{      }{widehat}
1106 \eqcommand{      }{widetilde}
1107 \eqcommand{      }{widowpenalty}
1108 \eqcommand{      }{width}
1109 \eqcommand{      }{wlog}

```



```

1110 \eqcommand{ }{write}
1111 \eqcommand{@ }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{ }{xdef}
1114 \eqcommand{ }{xleaders}
1115 \eqcommand{ }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@ }{z@skip}

```

7.19 color-localise-xepersian.def

```

1119 color{ } \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

7.20 xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}

```




```

1155 \eqcommand{    }{rl}
1156 \eqcommand{    }{RLE}
1157 \eqcommand{    }{RTLdblcol}
1158 \eqcommand{    }{RTLfootnote}
1159 \eqcommand{    }{RTLfootnotetext}
1160 \eqcommand{    }{RTLthanks}
1161 \eqcommand{@    }{@SepMark}
1162 \eqcommand{    }{SepMark}
1163 \eqcommand{    }{setdefaultbibitems}
1164 \eqcommand{    }{setdefaultmarginpar}
1165 \eqcommand{    }{setdigitfont}
1166 \eqcommand{    }{setfootnoteLR}
1167 \eqcommand{    }{setfootnoteRL}
1168 \eqcommand{    }{setlatintextfont}
1169 \eqcommand{    }{setLTR}
1170 \eqcommand{    }{setLTRbibitems}
1171 \eqcommand{    }{setLTRmarginpar}
1172 \eqcommand{    }{setRTL}
1173 \eqcommand{    }{setRTLbibitems}
1174 \eqcommand{    }{setRTLMarginpar}
1175 \eqcommand{    }{settextfont}
1176 \eqcommand{    }{textwidthfootnoterule}
1177 \eqcommand{    }{twocolumnstableofcontents}
1178 \eqcommand{    }{unsetfootnoteRL}
1179 \eqcommand{    }{unsetLTR}
1180 \eqcommand{    }{unsetRTL}
1181 \eqcommand{    }{vboxL}
1182 \eqcommand{    }{vboxR}
1183 \eqcommand{    }{XeLaTeX}
1184 \eqcommand{    }{XePersian}
1185 \eqcommand{    }{xepersianversion}
1186 \eqcommand{    }{xepersiandate}
1187 \eqcommand{    }{XeTeX}

```

7.21 enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{%
1190   \ifx entemp@\      \def\@tempa{\@enLabel\harfi } \else
1191   \ifx entemp@\      \def\@tempa{\@enLabel\adadi } \else
1192   \ifx entemp@\      \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\@entemp      \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\@entemp      \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\@entemp      \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\@entemp      \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\@entemp      \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
1199   \ifx \bgroup\@entemp  \let\@tempa\@enGroup        \else
1200   \ifx \enum@\@entemp  \let\@tempa\@gobble          \else
1201   \let\@tempa\@enOther

```




```

1247 \eqenvironment{   }{split}
1248 \eqenvironment{   }{subarray}
1249 \eqenvironment{   }{tabbing}
1250 \eqenvironment{   }{table}
1251 \eqenvironment{ *}{table*}
1252 \eqenvironment{   }{tabular}
1253 \eqenvironment{ *}{tabular*}
1254 \eqenvironment{   }{thebibliography}
1255 \eqenvironment{   }{theindex}
1256 \eqenvironment{   }{titlepage}
1257 \eqenvironment{   }{trivlist}
1258 \eqenvironment{   }{verse}

```

7.24 xepersian-localise-environments-xepersian.def

```

1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1260 \eqenvironment{   }{latin}
1261 \eqenvironment{   }{LTR}
1262 \eqenvironment{   }{LTRitems}
1263 \eqenvironment{   }{modernpoem}
1264 \eqenvironment{ *}{modernpoem*}
1265 \eqenvironment{   }{persian}
1266 \eqenvironment{   }{RTL}
1267 \eqenvironment{   }{RTLitems}
1268 \eqenvironment{   }{traditionalpoem}
1269 \eqenvironment{ *}{traditionalpoem*}

```

7.25 extarticle-xepersian.def

```

1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart      {\@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273   \setcounter{section}{0}%
1274   \setcounter{subsection}{0}%
1275   \gdef\thesection{\@harfi\c@section}}

```

7.26 extbook-xepersian.def

```

1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278   \cleardoublepage
1279   \@mainmatterfalse
1280   \pagenumbering{harfi}}
1281 \renewcommand \thepart {\@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283   \setcounter{chapter}{0}%
1284   \setcounter{section}{0}%
1285   \gdef\@chapapp{\appendixname}%
1286   \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix

```

7.27 extrafootnotefeatures-xepersian.def



```

1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

7.28 extreport-xepersian.def

```

1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart      {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295   \setcounter{chapter}{0}%
1296   \setcounter{section}{0}%
1297   \gdef\@chapapp{\appendixname}%
1298   \gdef\thechapter{\@harfi\c@chapter}}

```

7.29 flowfram-xepersian.def

```

1299 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1300 \def\@outputpage{%
1301 \begingroup
1302   \let\protect\noexpand
1303   \@resetactivechars
1304   \global\let\@if@newlist\if@newlist
1305   \global\@newlistfalse\@parboxrestore
1306   \shipout\vbox{\set@typeset@protect
1307     \aftergroup
1308     \endgroup
1309     \aftergroup
1310     \set@typeset@protect
1311     \reset@font\normalsize\normalsfcodes
1312     \let\label\@gobble
1313     \let\index\@gobble
1314     \let\glossary\@gobble
1315     \baselineskip\z@skip
1316     \lineskip\z@skip
1317     \lineskiplimit\z@
1318     \vskip\topmargin\moveright\@themargin
1319     \vbox{%
1320       \vskip\headheight
1321       \vskip\headsep
1322       \box\@outputbox
1323     }}%
1324 \global\let\if@newlist\@if@newlist
1325 \stepcounter{page}%
1326 \setcounter{displayedframe}{0}%
1327 \let\firstmark\botmark}

```

7.30 footnote-xepersian.def

```

1328 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1329
1330 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}

```



```

1331
1332 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1333
1334 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1335

```

7.31 framed-xepersian.def

```

1336 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1337 \renewenvironment{titled-frame}[1]{%
1338   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1339     \TitleBarFrame{\textbf{#1}}}%
1340   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1341     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
1342   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1343     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (\if@RTL
1344     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1345       \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}%
1346   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1347 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1348 % could interfere with the width measurement.
1349 {\endMakeFramed}

```

7.32 glossaries-xepersian.def

```

1350 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries package]
1351 \glsaddprotectedpagefmt{@harfi}
1352 \glsaddprotectedpagefmt{@tartibi}
1353 \glsaddprotectedpagefmt{@adadi}

```

7.33 hyperref-xepersian.def

```

1354 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1355 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1356 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1357 \def\itemautorefname{\if@RTL else\ item\fi}%
1358 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1359 \def\tableautorefname{\if@RTL else\ Table\fi}%
1360 \def\partautorefname{\if@RTL else\ Part\fi}%
1361 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1362 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1363 \def\sectionautorefname{\if@RTL else\ section\fi}%
1364 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1365 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1366 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1367 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1368 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1369 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1370 \def\pageautorefname{\if@RTL else\ page\fi}%
1371 \AtBeginDocument{%
1372 \let\HyOrg@appendix\appendix
1373 \def\appendix%

```



```

1374 \ltx@ifundefined{chapter}%
1375   {\gdef\theHsection{\Alph{section}}}%
1376   {\gdef\theHchapter{\Alph{chapter}}}%
1377 \xdef\Hy@chapapp{\Hy@appendixstring}%
1378 \HyOrg@appendix
1379 }
1380 }
1381 \pdfstringdefDisableCommands{%
1382 \let\lr\@firstofone
1383 \let\rl\@firstofone
1384 \def\XePersian{\XePersian}
1385 }
1386 \ltx@ifundefined{@resets@pp}{%
1387 }{%
1388 \let\HyOrg@resets@pp\@resets@pp
1389 \def\@resets@pp{%
1390   \ltx@ifundefined{chapter}{%
1391     \gdef\theHsection{\Hy@AlphNoErr{section}}%
1392   }{%
1393     \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1394   }%
1395   \xdef\Hy@chapapp{\Hy@appendixstring}%
1396   \HyOrg@resets@pp
1397 }%
1398 }

```

7.34 imspoc-xepersian.def

```

1399 \ProvidesFile{imspoc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspoc class f
1400
1401 \renewcommand \thepart {\@tartibi\c@part}
1402 \def\appendix{\par\c@section\z@ \c@subsection\z@
1403   \let\sectionname\appendixname
1404   \def\thesection{\@harfi\c@section}}
1405

```

7.35 kashida-xepersian.def

```

1406 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwwj="200D % zero-width joiner
1408
1409 \chardef\xepersian@D=10 % dual-joiner class
1410 \chardef\xepersian@L=11 % lam
1411 \chardef\xepersian@R=12 % right-joiner
1412 \chardef\xepersian@A=13 % alef
1413 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1414 \newif@if@Kashida@on
1415 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwwj\nobreak%
1416   \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph"0640 depth \XeTeXglyphbou
1417
1418 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1419 \expandafter\dosetclass\charlist,\end}
1420 \def\dosetclass#1,#2\end{%
1421   \def\test{#1}\def\charlist{#2}%
1422   \ifx\test\empty\let\next\finishsetclass
1423   \else \XeTeXcharclass "\test = \theclass
1424     \let\next\dosetclass \fi
1425   \expandafter\next\charlist,,\end}
1426 \def\finishsetclass#1,,\end{}
1427
1428 \setclass \xepersian@A {0622,0623,0625,0627}
1429 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1430 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1431 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1432 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1433 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1434 \setclass \xepersian@L {0644}
1435 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1436
1437 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1438 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1439 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1440 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1441 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1442 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1444 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1445
1446 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1447 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1448 \KashidaOn

```

7.36 listings-xepersian.def

```

1449 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1450 \def\lstlistingname{\if@RTL else \Listing\fi}
1451 \def\lstlistlistingname{\if@RTL else \Listings\fi}

```

7.37 loadingorder-xepersian.def

```

1452 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1453 \bidi@isloaded{algorithmic}
1454 \bidi@isloaded{algorithm}
1455 \bidi@isloaded{backref}
1456 \bidi@isloaded{enumerate}
1457 \bidi@isloaded{enumitem}
1458 \bidi@isloaded{tocloft}
1459 \bidi@isloaded{url}
1460 \AtBeginDocument{
1461   \if@bidi@algorithmicloaded\else
1462     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1463   \fi%

```



```

1464 \if@bidi@algorithmloaded@\else
1465     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}
1466 \fi%
1467 \if@bidi@backrefloaded@\else
1468     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}
1469 \fi%
1470 \if@bidi@enumerateloaded@\else
1471     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}
1472 \fi%
1473 \if@bidi@enumitemloaded@\else
1474     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}
1475 \fi%
1476 \if@bidi@tocloftloaded@\else
1477     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}
1478 \fi%
1479 \if@bidi@urlloaded@\else
1480     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}
1481 \fi%
1482 }

```

7.38 localise-xepersian.def

```

1483 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1484 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1485 \makezwnjletter
1486 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1487 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1488 \@ifpackageloaded{keyval}{%
1489 \newcommand*\keyval@eq@alias@key[4][KV]{%
1490     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1491     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1492 }{\@ifpackageloaded{xkeyval}{%
1493 \newcommand*\keyval@eq@alias@key[4][KV]{%
1494     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1495     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1496 }{}}
1497 \input{latex-localise-commands-xepersian.def}
1498 \input{xepersian-localise-commands-xepersian.def}
1499 \input{latex-localise-environments-xepersian.def}
1500 \input{xepersian-localise-environments-xepersian.def}
1501 \input{latex-localise-messages-xepersian.def}
1502 \input{latex-localise-misc-xepersian.def}
1503 \input{packages-localise-xepersian.def}
1504 \aliasfontfeature{ExternalLocation}{ }
1505 \aliasfontfeature{ExternalLocation}{ }
1506 \aliasfontfeature{Renderer}{ }
1507 \aliasfontfeature{BoldFont}{ }
1508 \aliasfontfeature{Language}{ }
1509 \aliasfontfeature{Script}{ }
1510 \aliasfontfeature{UprightFont}{ }

```




```

1511 \aliasfontfeature{ItalicFont}{      }
1512 \aliasfontfeature{BoldItalicFont}{  }
1513 \aliasfontfeature{SlantedFont}{     }
1514 \aliasfontfeature{BoldSlantedFont}{  }
1515 \aliasfontfeature{SmallCapsFont}{   }
1516 \aliasfontfeature{UprightFeatures}{  }
1517 \aliasfontfeature{BoldFeatures}{    }
1518 \aliasfontfeature{ItalicFeatures}{   }
1519 \aliasfontfeature{BoldItalicFeatures}{      }
1520 \aliasfontfeature{SlantedFeatures}{  }
1521 \aliasfontfeature{BoldSlantedFeatures}{      }
1522 \aliasfontfeature{SmallCapsFeatures}{      }
1523 \aliasfontfeature{SizeFeatures}{    }
1524 \aliasfontfeature{Scale}{          }
1525 \aliasfontfeature{WordSpace}{      }
1526 \aliasfontfeature{PunctuationSpace}{  }
1527 \aliasfontfeature{FontAdjustment}{  }
1528 \aliasfontfeature{LetterSpace}{    }
1529 \aliasfontfeature{HyphenChar}{     }
1530 \aliasfontfeature{Color}{         }
1531 \aliasfontfeature{Opacity}{       }
1532 \aliasfontfeature{Mapping}{      }
1533 \aliasfontfeature{Weight}{       }
1534 \aliasfontfeature{Width}{        }
1535 \aliasfontfeature{OpticalSize}{    }
1536 \aliasfontfeature{FakeSlant}{     }
1537 \aliasfontfeature{FakeStretch}{   }
1538 \aliasfontfeature{FakeBold}{     }
1539 \aliasfontfeature{AutoFakeSlant}{  }
1540 \aliasfontfeature{AutoFakeBold}{  }
1541 \aliasfontfeature{Ligatures}{    }
1542 \aliasfontfeature{Alternate}{    }
1543 \aliasfontfeature{Variant}{     }
1544 \aliasfontfeature{Variant}{     }
1545 \aliasfontfeature{CharacterVariant}{      }
1546 \aliasfontfeature{Style}{      }
1547 \aliasfontfeature{Annotation}{   }
1548 \aliasfontfeature{RawFeature}{   }
1549 \aliasfontfeature{CharacterWidth}{  }
1550 \aliasfontfeature{Numbers}{     }
1551 \aliasfontfeature{Contextuals}{   }
1552 \aliasfontfeature{Diacritics}{   }
1553 \aliasfontfeature{Letters}{     }
1554 \aliasfontfeature{Kerning}{     }
1555 \aliasfontfeature{VerticalPosition}{      }
1556 \aliasfontfeature{Fractions}{    }
1557 \aliasfontfeatureoption{Language}{Default}{  }
1558 \aliasfontfeatureoption{Language}{Parsi}{   }
1559 \aliasfontfeatureoption{Script}{Parsi}{    }
1560 \aliasfontfeatureoption{Script}{Latin}{     }

```



```

1561 \aliasfontfeatureoption{Style}{MathScript}{
1562 \aliasfontfeatureoption{Style}{MathScriptScript}{

```

7.39 memoir-xepersian.def

```

1563 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1564 \renewcommand{\@memfront}{%
1565   \smemfront\pagenumbering{harfi}}
1566 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1567 \renewcommand*{\thebook}{\@tartibi\c@book}
1568 \renewcommand*{\thepart}{\@tartibi\c@part}
1569 \renewcommand{\appendix}{\par
1570   \setcounter{chapter}{0}%
1571   \setcounter{section}{0}%
1572   \gdef\@chapapp{\appendixname}%
1573   \gdef\thechapter{\@harfi\c@chapter}%
1574   \anappendixtrue}

```

7.40 latex-localise-messages-xepersian.def

```

1575 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.41 minitoc-xepersian.def

```

1576 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1577 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1578 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1579 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1580 \def\mtctitle{\if@RTL else\ Contents\fi}%
1581 \def\mlftitle{\if@RTL else\ Figures\fi}%
1582 \def\mltttitle{\if@RTL else\ Tables\fi}%
1583 \def\stctitle{\if@RTL else\ Contents\fi}%
1584 \def\slftitle{\if@RTL else\ Figures\fi}%
1585 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.42 latex-localise-misc-xepersian.def

```

1586 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1587 %}1# \ \
1588 \@ \ \ @ \ \
1589 \1# \
1590 \1# @\
1591 \1# @\
1592 {@ \ \
1593 %}2#1# @\ \
1594 %1# \ @\ \ \ \ \
1595 \2# \ @\ \
1596 {{2#1# \}}
1597 undefined\ \ \
1598
1599 %{ \ \ \ \1#} \ \} \1# \ \
1600 \ \ { \ \ \
1601 \ \ \

```



```

1602
1603
1604 \ \ \ \%} \#1
1605 \1#} \ \ \% \
1606 \ \ \
1607 }%
1608 \
1609 \ \ \
1610 }
1611 \= \ \
1612
1613
1614 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1615 \def\@xfloat #1[#2]{%
1616 \nodocument
1617 \def \@capytype {#1}%
1618 \def \@fps {#2}%
1619 \@onelevel@sanitize \@fps
1620 \def \reserved@b {!}%
1621 \ifx \reserved@b \@fps
1622 \@fpsaddddefault
1623 \else
1624 \ifx \@fps \@empty
1625 \@fpsaddddefault
1626 \fi
1627 \fi
1628 \ifhmode
1629 \@bsphack
1630 \@floatpenalty -\@Mii
1631 \else
1632 \@floatpenalty-\@Miii
1633 \fi
1634 \ifinner
1635 \@parmoderr\@floatpenalty\z@
1636 \else
1637 \@next\@currbox\@freelist
1638 {%
1639 \@tempcnta \sixt@@n
1640 \expandafter \@tfor \expandafter \reserved@a
1641 \expandafter :\expandafter =\@fps
1642 \do
1643 {%
1644 \if \reserved@a h%
1645 \ifodd \@tempcnta
1646 \else
1647 \advance \@tempcnta \@ne
1648 \fi
1649 \fi
1650 \if \reserved@a %
1651 \ifodd \@tempcnta

```



```

1652         \else
1653             \advance \@tempcnta \@ne
1654         \fi
1655     \fi
1656     \if \reserved@a t%
1657         \@setfpsbit \tw@
1658     \fi
1659     \if \reserved@a %
1660         \@setfpsbit \tw@
1661     \fi
1662     \if \reserved@a b%
1663         \@setfpsbit 4%
1664     \fi
1665     \if \reserved@a %
1666         \@setfpsbit 4%
1667     \fi
1668     \if \reserved@a p%
1669         \@setfpsbit 8%
1670     \fi
1671     \if \reserved@a %
1672         \@setfpsbit 8%
1673     \fi
1674     \if \reserved@a !%
1675         \ifnum \@tempcnta>15
1676             \advance \@tempcnta -\sixt@n\relax
1677         \fi
1678     \fi
1679     }%
1680     \@tempcntb \csname ftype@\@capytype \endcsname
1681     \multiply \@tempcntb \@xxxii
1682     \advance \@tempcnta \@tempcntb
1683     \global \count\@currbox \@tempcnta
1684     }%
1685     \@fltovf
1686 \fi
1687 \global \setbox\@currbox
1688     \color@vbox
1689     \normalcolor
1690     \vbox \bgroup
1691         \hsize\columnwidth
1692         \@parboxrestore
1693         \@floatboxreset
1694 }
1695 \let\bm@ \bm@c
1696 \let\bm@ \bm@l
1697 \let\bm@ \bm@r
1698 \let\bm@ \bm@b
1699 \let\bm@ \bm@t
1700 \let\bm@ \bm@s
1701 \long\def\@iiiparbox#1#2[#3]#4#5{%

```



```

1702 \leavevmode
1703 \@pboxswfalse
1704 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1705 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1706 \setlength\@tempdima{#4}%
1707 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1708 \ifx\relax#2\else
1709 \setlength\@tempdimb{#2}%
1710 \edef\@parboxto{to\the\@tempdimb}%
1711 \fi
1712 \if#1b\vbox
1713 \else\if#1\vbox
1714 \else\if#1t\top
1715 \else\if vtop\#1
1716 \else\ifmode\center
1717 \else\@pboxswtrue $\vcenter
1718 \fi\fi\fi\fi\fi
1719 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1720 \csname bm@#3\endcsname}%
1721 \if@pboxsw \m@th$\fi
1722 \@end@tempboxa}
1723 \def\@iiiminipage#1#2[#3]#4{%
1724 \leavevmode
1725 \@pboxswfalse
1726 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1727 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1728 \setlength\@tempdima{#4}%
1729 \def\@mpargs{#1}#2[#3]#4}%
1730 \setbox\@tempboxa\vbox\bgroup
1731 \color@begingroup
1732 \hsize\@tempdima
1733 \textwidth\hsize \columnwidth\hsize
1734 \@parboxrestore
1735 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1736 \let\@footnotetext\@mpfootnotetext
1737 \let\@LTRfootnotetext\@mpLTRfootnotetext
1738 \let\@RTLfootnotetext\@mpRTLfootnotetext
1739 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1740 \@minipagerestore
1741 \@setminipage}
1742 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1743 \ifnum \@lastchclass=3 5 \else
1744 \z@ \if #1c\@chnum \z@ \else
1745 \if chnum@ #1 \z@ \else
1746 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1747 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1748 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1749 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1750 \@chclass \if #1l\@ne \else
1751 \if #1@\tw@ \else

```



```

1752             \if #1p3 \else
1753             \if 3 #1 \else \z@ \@preamerr 0\fi
1754 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1755 \fi}%
1756 }{}
1757 \@ifdefinitionfileloaded{array-xetex-bidi}{%
1758 \def\@testpach{\@chclass
1759 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1760 \ifnum \@lastchclass=7 5 \else
1761 \ifnum \@lastchclass=8 \tw@ \else
1762 \ifnum \@lastchclass=9 \thr@@
1763 \else \z@
1764 \ifnum \@lastchclass = 10 \else
1765 \edef\@nextchar{\expandafter\string\@nextchar}%
1766 \@chnum
1767 \if \@nextchar c\z@ \else
1768 \if \@nextchar @z\ \else
1769 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1770 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1771 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1772 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1773 \z@ \@chclass
1774 \if \@nextchar |\@ne \else
1775 \if \@nextchar !6 \else
1776 \if \@nextchar @7 \else
1777 \if \@nextchar <8 \else
1778 \if \@nextchar >9 \else
1779 10
1780 \@chnum
1781 \if \@nextchar m\thr@@\else
1782 \if \@nextchar thr@@\else\
1783 \if \@nextchar p4 \else
1784 \if \@nextchar 4 \else
1785 \if \@nextchar b5 \else
1786 \if \@nextchar 5 \else
1787 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1788 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1789 }{}
1790 \@ifdefinitionfileloaded{arydshln-xetex-bidi}{
1791 \ifadl@usingarypkg
1792 \def\@testpach{\@chclass
1793 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1794 \ifnum \@lastchclass=7 5 \else
1795 \ifnum \@lastchclass=8 \tw@ \else
1796 \ifnum \@lastchclass=9 \thr@@
1797 \else \z@
1798 \ifnum \@lastchclass = 10 \else
1799 \edef\@nextchar{\expandafter\string\@nextchar}%
1800 \@chnum
1801 \if \@nextchar c\z@ \else

```



```

1802 \if \nextchar @z\ \else
1803 \if \nextchar \if@RTLtab r\else l\fi\one \else
1804 \if \nextchar \if@RTLtab else\ fi\one\ \else
1805 \if \nextchar \if@RTLtab l\else r\fi\tw@ \else
1806 \if \nextchar \if@RTLtab else\ @fi\tw\ \else
1807 \z@ \@chclass
1808 \if\@nextchar |\@one \let\@arrayrule\adl@arrayrule \else
1809 \if\@nextchar :\@one \let\@arrayrule\adl@arraydashrule \else
1810 \if\@nextchar ;\@one \let\@arrayrule\adl@arraydashrule \else
1811 \if \nextchar !6 \else
1812 \if \nextchar @7 \else
1813 \if \nextchar <8 \else
1814 \if \nextchar >9 \else
1815 10
1816 \@chnum
1817 \if \nextchar m\thr@@\else
1818 \if \nextchar thr@@\else\
1819 \if \nextchar p4 \else
1820 \if \nextchar 4 \else
1821 \if \nextchar b5 \else
1822 \if \nextchar 5 \else
1823 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1824 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1825
1826 \def\@classz{\@classx
1827 \tempcnta \count@
1828 \prepnext@tok
1829 \@addtopreamble{\ifcase \@chnum
1830 \hfil
1831 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1832 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1833 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1834 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1835 \adl@endmbox\or
1836 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1837 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1838 \fi}\prepnext@tok}
1839 \def\adl@class@start{4}
1840 \def\adl@class@iiiorvii{7}
1841
1842 \else
1843 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1844 \ifnum \@lastchclass=\thr@@ 5\relax \else
1845 \z@ \if #1c\@chnum \z@ \else
1846 \if \@chnum\z@\ #1 \else
1847 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1848 \if \if@RTLtab#1\else#1\fi\@chnum \@one \else
1849 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1850 \if \if@RTLtab#1\else#1\fi\@chnum \tw@ \else
1851 \@chclass

```



```

1852             \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1853             \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1854             \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1855             \if #1@\tw@ \else
1856             \if #1p\thr@@ \else
1857             \if @\thr\ #1 \else\z@ \@preamerr 0\fi
1858 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1859
1860 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1861             \or \or \@addamp \or
1862             \@acolampacol \or \@firstampfalse \@acol \fi
1863 \edef\@preamble{\@preamble
1864             \ifcase \@chnum
1865             \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1866             \or \adl@putlrc{\$relax\@sharp$}\hfil
1867             \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1868 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1869             \or \or \@addamp \or
1870             \@acolampacol \or \@firstampfalse \@acol \fi
1871 \edef\@preamble{\@preamble
1872             \ifcase \@chnum
1873             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1874             \or \adl@putlrc{\@sharp\unskip}\hfil
1875             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1876 \def\adl@class@start{6}
1877 \def\adl@class@iiiorvii{3}
1878 \fi
1879 }{}
1880 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1881 \def\@testpach{\@chclass
1882 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1883 \ifnum \@lastchclass=7 5 \else
1884 \ifnum \@lastchclass=8 \tw@ \else
1885 \ifnum \@lastchclass=9 \thr@@
1886 \else \z@
1887 \ifnum \@lastchclass = 10 \else
1888 \edef\@nextchar{\expandafter\string\@nextchar}%
1889 \@chnum
1890 \if \@nextchar c\z@ \else
1891 \if \@nextchar @z\ \else
1892 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1893 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1894 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1895 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1896 \if \@nextchar C7 \else
1897 \if \@nextchar 7 \else
1898 \if \@nextchar L8 \else
1899 \if \@nextchar 8 \else
1900 \if \@nextchar R9 \else
1901 \if \@nextchar 9 \else

```




```

1952 \ExplSyntaxOn
1953 \AtBeginDocument{\@namedef{      *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian
1954 \ExplSyntaxOff
1955 \expandafter\let\csname end      *\endcsname =\end

```

7.43 natbib-xepersian.def

```

1956 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1957 \renewcommand\NAT@set@cites{%
1958   \ifNAT@numbers
1959     \ifNAT@super \let\@cite\NAT@citesuper
1960     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1961     \let\citeyearpar=\citeyear
1962     \let\NAT@space\relax
1963     \def\NAT@super@kern{\kern\p@}%
1964   \else
1965     \let\NAT@mbox=\mbox
1966     \let\@cite\NAT@citenum
1967     \let\NAT@space\NAT@spacechar
1968     \let\NAT@super@kern\relax
1969   \fi
1970   \let\@citex\NAT@citexnum
1971   \let\@Latincitex\NAT@Latin@citexnum
1972   \let\@biblabel\NAT@biblabelnum
1973   \let\@bibsetup\NAT@bibsetnum
1974   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1975   \def\natexlab##1{}%
1976   \def\NAT@penalty{\penalty\@m}%
1977   \else
1978     \let\@cite\NAT@cite
1979     \let\@citex\NAT@citex
1980     \let\@Latincitex\NAT@Latin@citex
1981     \let\@biblabel\NAT@biblabel
1982     \let\@bibsetup\NAT@bibsetup
1983     \let\NAT@space\NAT@spacechar
1984     \let\NAT@penalty\@empty
1985     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
1986     \def\natexlab##1{##1}%
1987   \fi}
1988 \newcommand\NAT@Latin@citex{}
1989 \def\NAT@Latin@citex%
1990   [#1][#2]#3{%
1991   \NAT@reset@parser
1992   \NAT@sort@cites{#3}%
1993   \NAT@reset@citea
1994   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
1995   \@for\@citeb:=\NAT@cite@list\do
1996   {\@safe@activestrue
1997   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
1998   \@safe@activesfalse

```



```

1999 \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2000   {\reset@font\bfseries ?}\NAT@citeundefined
2001     \PackageWarning{natbib}%
2002     {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2003 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2004 \NAT@parse{\@citeb}%
2005 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2006   \let\NAT@name=\NAT@all@names
2007   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2008 \fi
2009 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2010   \let\NAT@nm\NAT@name\fi
2011 \ifNAT@swa\ifcase\NAT@ctype
2012   \if\relax\NAT@date\relax
2013     \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2014   \else
2015     \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2016       \ifx\NAT@last@yr\NAT@year
2017         \def\NAT@temp{?}%
2018         \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2019           {Multiple citation on page \thepage: same authors and
2020            year\MessageBreak without distinguishing extra
2021            letter,\MessageBreak appears as question mark}\fi
2022         \NAT@hyper@{\NAT@exlab}%
2023       \else\unskip\NAT@spacechar
2024         \NAT@hyper@{\NAT@date}%
2025       \fi
2026     \else
2027       \@citea\NAT@hyper@{%
2028         \NAT@nmfmt{\NAT@nm}%
2029         \hyper@natlinkbreak{%
2030           \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2031           }%
2032         \NAT@date
2033       }%
2034     \fi
2035   \fi
2036 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2037 \or\@citea\NAT@hyper@{\NAT@date}%
2038 \or\@citea\NAT@hyper@{\NAT@alias}%
2039 \fi \NAT@def@citea
2040 \else
2041   \ifcase\NAT@ctype
2042   \if\relax\NAT@date\relax
2043     \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2044   \else
2045     \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2046       \ifx\NAT@last@yr\NAT@year
2047         \def\NAT@temp{?}%
2048       \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%

```



```

2049         {Multiple citation on page \thepage: same authors and
2050         year\MessageBreak without distinguishing extra
2051         letter,\MessageBreak appears as question mark}\fi
2052         \NAT@hyper@{\NAT@exlab}%
2053     \else
2054         \unskip\NAT@spacechar
2055         \NAT@hyper@{\NAT@date}%
2056     \fi
2057 \else
2058     \@citea\NAT@hyper@{%
2059     \NAT@nmfmt{\NAT@nm}%
2060     \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2061     {\@citeb\@extra@b@citeb}%
2062     \NAT@date
2063     }%
2064 \fi
2065 \fi
2066 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2067 \or\@citea\NAT@hyper@{\NAT@date}%
2068 \or\@citea\NAT@hyper@{\NAT@alias}%
2069 \fi
2070 \if\relax\NAT@date\relax
2071     \NAT@def@citea
2072 \else
2073     \NAT@def@citea@close
2074 \fi
2075 \fi
2076 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2077 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2078 \newcommand\NAT@Latin@citexnum{}
2079 \def\NAT@Latin@citexnum[#1][#2]#3{%
2080     \NAT@reset@parser
2081     \NAT@sort@cites{#3}%
2082     \NAT@reset@citea
2083     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2084     \@for\@citeb:=\NAT@cite@list\do
2085     {\@safe@activestrue
2086     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2087     \@safe@activesfalse
2088     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2089     {\reset@font\bfseries?}
2090     \NAT@citeundefined\PackageWarning{natbib}%
2091     {Citation `@\@citeb' on page \thepage \space undefined}}%
2092     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2093     \NAT@parse{\@citeb}%
2094     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2095     \let\NAT@name=\NAT@all@names
2096     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2097     \fi
2098     \ifNAT@full\let\NAT@nm\NAT@all@names\else

```



```

2099     \let\NAT@nm\NAT@name\fi
2100 \ifNAT@swa
2101 \@ifnum{\NAT@ctype>\@ne}{%
2102   \citea
2103   \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2104 }{%
2105   \@ifnum{\NAT@cmprs>\z@}{%
2106     \NAT@ifcat@num\NAT@num
2107     {\let\NAT@nm=\NAT@num}%
2108     {\def\NAT@nm{-2}}%
2109     \NAT@ifcat@num\NAT@last@num
2110     {\@tempcnta=\NAT@last@num\relax}%
2111     {\@tempcnta\m@ne}%
2112     \@ifnum{\NAT@nm=\@tempcnta}{%
2113       \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2114     }{%
2115       \advance\@tempcnta by\@ne
2116       \@ifnum{\NAT@nm=\@tempcnta}{%
2117         \ifx\NAT@last@yr\relax
2118           \def\NAT@last@yr{\citea}%
2119         \else
2120           \def\NAT@last@yr{--\NAT@penalty}%
2121         \fi
2122       }{%
2123         \NAT@last@yr@mbbox
2124       }%
2125     }%
2126   }{%
2127     \@tempswatrue
2128     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2129       \if@tempswa\NAT@citea@mbbox\fi
2130     }%
2131   }%
2132   \NAT@def@citea
2133 \else
2134 \ifcase\NAT@ctype
2135   \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2136     \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@open}%
2137   \fi
2138   \if*#1*\else#1\NAT@spacechar\fi
2139   \NAT@mbbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2140   \NAT@def@citea@box
2141 \or
2142   \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2143 \or
2144   \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2145 \or
2146   \NAT@hyper@citea@space\NAT@alias
2147 \fi
2148 \fi

```



```

2149 }%
2150 }%
2151 \@ifnum{\NAT@cmprs>\z0}{\NAT@last@yr}{}%
2152 \ifNAT@swa\else
2153   \@ifnum{\NAT@ctype=\z0}{%
2154     \if*#2*\else\NAT@cmt#2\fi
2155   }{}%
2156   \NAT@mbox{\NAT@close}%
2157   \fi
2158 }}{#1}{#2}%
2159 }%
2160 \AtBeginDocument{\NAT@set@cites}
2161 \DeclareRobustCommand\Latincite
2162   {\begingroup\let\NAT@ctype\z0\NAT@partrue\NAT@swatru
2163     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2164 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2165   \ifNAT@numbers\else
2166     \NAT@swafalse
2167     \fi
2168   \NAT@@Latin@@citetp[]}}
2169 \newcommand\NAT@@Latin@@citetp{}
2170 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.44 packages-localise-xepersian.def

```

2171 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2172 color} \}{color} @\-localise-xepersian.def}}{}
2173 \@ifpackageloaded{multicol}{%
2174 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2175 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2176 }{}
2177 \@ifpackageloaded{verbatim}{%
2178 \begingroup
2179 \vrb@catcodes
2180 \lccode`!\=``\ \lccode`\[=\{ \lccode`\]=``\}
2181 \catcode`~=\active \lccode`~=\^^M
2182 \lccode`\C=\C
2183 \lowercase{\endgroup
2184 \def\xepersian@localize@verbatim@start#1{%
2185   \verbatim@startline
2186   \if\noexpand#1\noexpand~%
2187     \let\next\xepersian@localize@verbatim@
2188   \else \def\next{\xepersian@localize@verbatim@#1}\fi
2189   \next}%
2190 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2191 \def\xepersian@localize@verbatim@@#1! {%
2192   \verbatim@addtoline{#1}%
2193   \futurelet\next\xepersian@localize@verbatim@@@}%
2194 \def\xepersian@localize@verbatim@@@#1\@nil{%
2195   \ifx\next\@nil

```



```

2196     \verbatim@processline
2197     \verbatim@startline
2198     \let\next\xepersian@localize@verbatim@
2199     \else
2200     \def\@tempa##1! \@nil{##1}%
2201     \@temptokena{! }%
2202     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2203     \fi \next}%
2204 \def\xepersian@localize@verbatim@test#1{%
2205     \let\next\xepersian@localize@verbatim@test
2206     \if\noexpand#1\noexpand~%
2207     \expandafter\verbatim@addtoline
2208     \expandafter{\the\@temptokena}%
2209     \verbatim@processline
2210     \verbatim@startline
2211     \let\next\xepersian@localize@verbatim@
2212     \else \if\noexpand#1
2213     \@temptokena\expandafter{\the\@temptokena#1}%
2214     \else \if\noexpand#1\noexpand[%
2215     \let\@tempc\@empty
2216     \let\next\xepersian@localize@verbatim@testend
2217     \else
2218     \expandafter\verbatim@addtoline
2219     \expandafter{\the\@temptokena}%
2220     \def\next{\xepersian@localize@verbatim@#1}%
2221     \fi\fi\fi
2222     \next}%
2223 \def\xepersian@localize@verbatim@testend#1{%
2224     \if\noexpand#1\noexpand~%
2225     \expandafter\verbatim@addtoline
2226     \expandafter{\the\@temptokena[%
2227     \expandafter\verbatim@addtoline
2228     \expandafter{\@tempc}%
2229     \verbatim@processline
2230     \verbatim@startline
2231     \let\next\xepersian@localize@verbatim@
2232     \else\if\noexpand#1\noexpand[%
2233     \let\next\xepersian@localize@verbatim@@testend
2234     \else\if\noexpand#1\noexpand!%
2235     \expandafter\verbatim@addtoline
2236     \expandafter{\the\@temptokena[%
2237     \expandafter\verbatim@addtoline
2238     \expandafter{\@tempc}%
2239     \def\next{\xepersian@localize@verbatim@!}%
2240     \else \expandafter\def\expandafter\@tempc\expandafter
2241     {\@tempc#1}\fi\fi\fi
2242     \next}%
2243 \def\xepersian@localize@verbatim@@testend{%
2244     \if\@tempc\@currenvir
2245     \verbatim@finish

```




```

2296 {draft}{ }{Gin} @ \
2297 {origin}{ }{Gin} @ \
2298 {origin}{ }{Grot} @ \
2299 {clip}{ }{Gin} @ \
2300 {keepaspectratio}{ }{Gin} @ \
2301 {natwidth}{ }{Gin} @ \
2302 {natheight}{ }{Gin} @ \
2303 {bb}{ }{Gin} @ \
2304 {viewport}{ }{Gin} @ \
2305 {trim}{ }{Gin} @ \
2306 {angle}{ }{Gin} @ \
2307 {width}{ }{Gin} @ \
2308 {height}{ }{Gin} @ \
2309 {totalheight}{ }{Gin} @ \
2310 {scale}{ }{Gin} @ \
2311 {type}{ }{Gin} @ \
2312 {ext}{ }{Gin} @ \
2313 {read}{ }{Gin} @ \
2314 {command}{ }{Gin} @ \
2315 {x}{ }{Grot} @ \
2316 {y}{ }{Grot} @ \
2317 {units}{ }{Grot} @ \
2318 {}{}

```

7.45 parsidigits.map

```

2319 LHSName "Digits"
2320 RHSName "ParsiDigits"
2321
2322 pass(Unicode)
2323 U+0030 <> U+06F0 ;
2324 U+0031 <> U+06F1 ;
2325 U+0032 <> U+06F2 ;
2326 U+0033 <> U+06F3 ;
2327 U+0034 <> U+06F4 ;
2328 U+0035 <> U+06F5 ;
2329 U+0036 <> U+06F6 ;
2330 U+0037 <> U+06F7 ;
2331 U+0038 <> U+06F8 ;
2332 U+0039 <> U+06F9 ;
2333
2334
2335 U+002C <> U+060C ; comma > arabic comma
2336 U+003F <> U+061F ; question mark -> arabic qm
2337 U+003B <> U+061B ; semicolon -> arabic semicolon
2338
2339 ; ligatures from Knuth's original CMR fonts
2340 U+002D U+002D <> U+2013 ; -- -> en dash
2341 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2342

```



```

2343 U+0027 <> U+2019 ; ' -> right single quote
2344 U+0027 U+0027 <> U+201D ; '' -> right double quote
2345 U+0022 > U+201D ; " -> right double quote
2346
2347 U+0060 <> U+2018 ; ` -> left single quote
2348 U+0060 U+0060 <> U+201C ; `` -> left double quote
2349
2350 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclamation
2351 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2352
2353 ; additions supported in T1 encoding
2354 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2355 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2356 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.46 rapport1-xepersian.def

```

2357 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2358 \renewcommand*\thepart{\@tartibi\c@part}
2359 \renewcommand*\appendix{\par
2360 \setcounter{chapter}{0}%
2361 \setcounter{section}{0}%
2362 \gdef\@chapapp{\appendixname}%
2363 \gdef\thechapter{\@harfi\c@chapter}}

```

7.47 rapport3-xepersian.def

```

2364 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2365 \renewcommand*\thepart{\@tartibi\c@part}
2366 \renewcommand*\appendix{\par
2367 \setcounter{chapter}{0}%
2368 \setcounter{section}{0}%
2369 \gdef\@chapapp{\appendixname}%
2370 \gdef\thechapter{\@harfi\c@chapter}}

```

7.48 refrep-xepersian.def

```

2371 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2372 \renewcommand \thepart {\@tartibi\c@part}
2373 \renewcommand\appendix{\par
2374 \setcounter{chapter}{0}%
2375 \setcounter{section}{0}%
2376 \gdef\@chapapp{\appendixname}%
2377 \gdef\thechapter{\@harfi\c@chapter}
2378 }%end appendix

```

7.49 report-xepersian.def

```

2379 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2380 \renewcommand \thepart {\@tartibi\c@part}
2381 \renewcommand\appendix{\par
2382 \setcounter{chapter}{0}%
2383 \setcounter{section}{0}%

```



```

2384 \gdef\@chapapp{\appendixname}%
2385 \gdef\thechapter{\@harfi\c@chapter}
2386 }%end appendix

```

7.50 scartcl-xepersian.def

```

2387 \ProvidesFile{scartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scartcl class]
2388 \renewcommand*\thepart{\@tartibi\c@part}
2389 \renewcommand*\appendix{\par%
2390 \setcounter{section}{0}%
2391 \setcounter{subsection}{0}%
2392 \gdef\thesection{\@harfi\c@section}%
2393 \csname appendixmore\endcsname
2394 }
2395 \renewcommand*\@maybeautodot}[1]{%
2396 \ifx #1\stop\let\@maybeautodot\relax
2397 \else
2398 \ifx #1\harfi \@autodottrue\fi
2399 \ifx #1\adadi \@autodottrue\fi
2400 \ifx #1\tartibi \@autodottrue\fi
2401 \ifx #1\Alph \@autodottrue\fi
2402 \ifx #1\alph \@autodottrue\fi
2403 \ifx #1\Roman \@autodottrue\fi
2404 \ifx #1\roman \@autodottrue\fi
2405 \ifx #1\@harfi \@autodottrue\fi
2406 \ifx #1\@adadi \@autodottrue\fi
2407 \ifx #1\@tartibi \@autodottrue\fi
2408 \ifx #1\@Alph \@autodottrue\fi
2409 \ifx #1\@alph \@autodottrue\fi
2410 \ifx #1\@Roman \@autodottrue\fi
2411 \ifx #1\@roman \@autodottrue\fi
2412 \ifx #1\romannumeral \@autodottrue\fi
2413 \fi
2414 \@maybeautodot
2415 }

```

7.51 scrbook-xepersian.def

```

2416 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2417 \renewcommand*\frontmatter{%
2418 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2419 \@mainmatterfalse\pagenumbering{harfi}%
2420 }
2421 \renewcommand*\thepart{\@tartibi\c@part}
2422 \renewcommand*\appendix{\par%
2423 \setcounter{chapter}{0}%
2424 \setcounter{section}{0}%
2425 \gdef\@chapapp{\appendixname}%
2426 \gdef\thechapter{\@harfi\c@chapter}%
2427 \csname appendixmore\endcsname
2428 }

```



```

2429 \renewcommand*{\@@maybeautodot}[1]{%
2430   \ifx #1\@stop\let\@@maybeautodot\relax
2431   \else
2432     \ifx #1\harfi \@autodottrue\fi
2433     \ifx #1\adadi \@autodottrue\fi
2434     \ifx #1\tartibi \@autodottrue\fi
2435     \ifx #1\Alph \@autodottrue\fi
2436     \ifx #1\alph \@autodottrue\fi
2437     \ifx #1\Roman \@autodottrue\fi
2438     \ifx #1\roman \@autodottrue\fi
2439     \ifx #1\@harfi \@autodottrue\fi
2440     \ifx #1\@adadi \@autodottrue\fi
2441     \ifx #1\@tartibi \@autodottrue\fi
2442     \ifx #1\@Alph \@autodottrue\fi
2443     \ifx #1\@alph \@autodottrue\fi
2444     \ifx #1\@Roman \@autodottrue\fi
2445     \ifx #1\@roman \@autodottrue\fi
2446     \ifx #1\romannumeral \@autodottrue\fi
2447   \fi
2448   \@@maybeautodot
2449 }

```

7.52 screpr-xepersian.def

```

2450 \ProvidesFile{screpr-xepersian.def}[2010/07/25 v0.2 adaptations for screpr class]
2451 \renewcommand*\thechapter{\@tartibi\c@part}
2452 \renewcommand*\appendix{\par%
2453   \setcounter{chapter}{0}%
2454   \setcounter{section}{0}%
2455   \gdef\@chapapp{\appendixname}%
2456   \gdef\thechapter{\@harfi\c@chapter}%
2457   \csname appendixmore\endcsname
2458 }
2459 \renewcommand*{\@@maybeautodot}[1]{%
2460   \ifx #1\@stop\let\@@maybeautodot\relax
2461   \else
2462     \ifx #1\harfi \@autodottrue\fi
2463     \ifx #1\adadi \@autodottrue\fi
2464     \ifx #1\tartibi \@autodottrue\fi
2465     \ifx #1\Alph \@autodottrue\fi
2466     \ifx #1\alph \@autodottrue\fi
2467     \ifx #1\Roman \@autodottrue\fi
2468     \ifx #1\roman \@autodottrue\fi
2469     \ifx #1\@harfi \@autodottrue\fi
2470     \ifx #1\@adadi \@autodottrue\fi
2471     \ifx #1\@tartibi \@autodottrue\fi
2472     \ifx #1\@Alph \@autodottrue\fi
2473     \ifx #1\@alph \@autodottrue\fi
2474     \ifx #1\@Roman \@autodottrue\fi
2475     \ifx #1\@roman \@autodottrue\fi

```



```

2476 \ifx #1\romannumeral \@autodottrue\fi
2477 \fi
2478 \@maybeautodot
2479 }

```

7.53 soul-xepersian.def

```

2480 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2481 \let\SOUL@tt\relax
2482 \newfontface{\SOUL@tt}{Times New Roman}

```

7.54 tkz-linknodes-xepersian.def

```

2483 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2484 \renewcommand*{\@SetTab}{%
2485 \let\@alph\@linalph%
2486 \ifnum \value{C@NumTab}>25\relax%
2487 \setcounter{C@NumTab}{1}%
2488 \else%
2489 \stepcounter{C@NumTab}%
2490 \fi%
2491 \setcounter{C@NumGroup}{0}%
2492 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2493 \setboolean{B@FirstLink}{true}
2494 \setboolean{B@NewGroup}{false}
2495 \setcounter{C@NumGroup}{0}
2496 \setcounter{C@CurrentGroup}{0}
2497 \setcounter{NumC@Node}{0}
2498 \setcounter{NumC@Stop}{0}
2499 \setcounter{C@NextNode}{0}
2500 \setcounter{C@CurrentStop}{0}
2501 \setcounter{C@CurrentNode}{0}
2502 }%

```

7.55 tocloft-xepersian.def

```

2503 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2504 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2505 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2506 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2507 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2508 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2509 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2510 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2511 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2512 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2513 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.56 xepersian.sty

```

2514 \NeedsTeXFormat{LaTeX2e}
2515 \def\xepersianversion{v19.3}
2516 \def\xepersiandate{2017/09/06}

```



```

2517 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2518 Persian typesetting in XeLaTeX]
2519 \RequirePackage{fontspec}
2520 \RequirePackage{xepersian-persiancal}
2521 \RequirePackage{xepersian-mathsdigitspec}
2522 \RequirePackage{bidi}
2523 \edef\@xepersian@info{*****^J%
2524 * ^J%
2525 * xepersian package (Persian for LaTeX, using XeTeX engine)^J%
2526 * ^J%
2527 * Description: The package supports Persian^J%
2528 * typesetting, using fonts provided in the^J%
2529 * distribution.^J%
2530 * ^J%
2531 * Copyright (c) 2008--2017 Vafa Khalighi^J%
2532 * ^J%
2533 * \xepersianversion, \xepersiandate^J%
2534 * ^J%
2535 * License: LaTeX Project Public License, version^J%
2536 * 1.3c or higher (your choice)^J%
2537 * ^J%
2538 * Location on CTAN: /macros/xetex/latex/xepersian^J%
2539 * ^J%
2540 * Issue tracker: https://github.com/tex-xet/xepersian/issues^J%
2541 * ^J%
2542 * Support: persian-tex@tug.org^J%
2543 * ^J%
2544 *****}
2545 \typeout{\@xepersian@info}
2546 \edef\xepersian@everyjob{\the\everyjob}
2547 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2548 \edef\@bidi@strip@v@\xepersianversion{\expandafter\@gobble\xepersianversion}
2549 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2550 \ifdim\@bidi@strip@v@\xepersianversion pt > #1 pt %
2551 \expandafter\@firstoftwo
2552 \else
2553 \expandafter\@secondoftwo
2554 \fi}
2555 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2556 \ifdim\@bidi@strip@v@\xepersianversion pt < #1 pt %
2557 \expandafter\@firstoftwo
2558 \else
2559 \expandafter\@secondoftwo
2560 \fi}
2561 \newcommand*\IfxepersianPackageVersion}[1]{%
2562 \ifdim\@bidi@strip@v@\xepersianversion pt = #1 pt %
2563 \expandafter\@firstoftwo
2564 \else
2565 \expandafter\@secondoftwo
2566 \fi}

```



```

2567 \def\prq{«}
2568 \def\plq{»}
2569 \def\xepersian@cmds@temp#1{%
2570   \begingroup\expandafter\expandafter\expandafter\endgroup
2571   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2572     \begingroup
2573     \escapechar=-1 %
2574     \edef\x{\expandafter\meaning\csname#1\endcsname}%
2575     \def\y{#1}%
2576     \def\z##1->{%
2577       \edef\y{\expandafter\z\meaning\y}%
2578     \expandafter\endgroup
2579     \ifx\x\y
2580       \expandafter\def\csname xepersian@#1\expandafter\endcsname
2581       \expandafter{%
2582         \csname#1\endcsname
2583       }%
2584     \fi
2585   \fi
2586 }%
2587 \xepersian@cmds@temp{shellescape}
2588 \newif\ifwritexviii
2589 \ifnum\xepersian@shellescape=1\relax
2590   \writexviii>true
2591 \else
2592   \writexviii>false
2593 \fi
2594 \newfontscript{Parsi}{arab}
2595 \newfontlanguage{Parsi}{FAR}
2596 \ExplSyntaxOn
2597
2598 \DeclareDocumentCommand \settextfont { 0 } m 0 { }
2599 {
2600   \__xepersian_main_settextfont:nnn {#1} {#2} {#3}
2601 }
2602 \cs_set:Nn \__xepersian_main_settextfont:nnn
2603 {
2604   \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2605   \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2606   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2607     {
2608       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2609       \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2610       \exp_not:N \selectfont
2611     }
2612   }
2613   \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2614     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2615   \normalfont
2616   \ignorespaces

```



```

2617 }
2618
2619 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
2620 {
2621   \__xepersian_main_setlatintextfont:nnn {#1} {#2} {#3}
2622 }
2623 \cs_set:Nn \__xepersian_main_setlatintextfont:nnn
2624 {
2625   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2626   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2627     {
2628       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2629       \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2630       \exp_not:N \selectfont
2631     }
2632 }
2633 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2634 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2635 \normalfont
2636 \ignorespaces
2637 }
2638
2639 \tl_set_eq:NN \setlatinsansfont \setsansfont
2640 \tl_set_eq:NN \setlatinmonofont \setmonofont
2641
2642 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
2643 {
2644   \__xepersian_main_defpersianfont:nnnn {#1} {#2} {#3} {#4}
2645 }
2646 \cs_set:Nn \__xepersian_main_defpersianfont:nnnn
2647 {
2648   \fontspec_set_family:cnm { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2649   \use:x
2650   {
2651     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2652     {
2653       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2654       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2655       \exp_not:N \selectfont
2656     }
2657   }
2658 }
2659
2660 \DeclareDocumentCommand \deflatinfont { m 0{} m 0{} }
2661 {
2662   \__xepersian_main_deflatinfont:nnnn {#1} {#2} {#3} {#4}
2663 }
2664 \cs_set:Nn \__xepersian_main_deflatinfont:nnnn
2665 {
2666   \fontspec_set_family:cnm { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}

```




```

2667 \use:x
2668 {
2669   \exp_not:N \DeclareRobustCommand \exp_not:N #1
2670   {
2671     \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2672     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2673     \exp_not:N \selectfont
2674   }
2675 }
2676 }
2677
2678 \newcommand\persiansfdefault{}
2679 \newcommand\persianttdefault{}
2680 \newcommand\iranicsfdefault{}
2681 \newcommand\navarsfdefault{}
2682 \newcommand\pooksfdefault{}
2683 \newcommand\sayehsfdefault{}
2684 \DeclareRobustCommand\persiansffamily
2685   {\not@math@alphabet\persiansffamily\mathpersiansf
2686   \fontfamily\persiansfdefault\selectfont}
2687 \DeclareRobustCommand\persiantttfamily
2688   {\not@math@alphabet\persiantttfamily\mathpersiantt
2689   \fontfamily\persianttdefault\selectfont}
2690 \DeclareRobustCommand\iranicsfamily
2691   {\not@math@alphabet\iranicsfamily\mathiranics
2692   \fontfamily\iranicsfdefault\selectfont}
2693 \DeclareRobustCommand\navarsfamily
2694   {\not@math@alphabet\navarsfamily\mathnavars
2695   \fontfamily\navarsfdefault\selectfont}
2696 \DeclareRobustCommand\pooksfamily
2697   {\not@math@alphabet\pooksfamily\mathpooks
2698   \fontfamily\pooksfdefault\selectfont}
2699 \DeclareRobustCommand\sayehsfamily
2700   {\not@math@alphabet\sayehsfamily\mathsayeh
2701   \fontfamily\sayehsfdefault\selectfont}
2702 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2703 \DeclareTextFontCommand{\textpersiantt}{\persiantttfamily}
2704 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
2705 \DeclareTextFontCommand{\textnavars}{\navarsfamily}
2706 \DeclareTextFontCommand{\textpooks}{\pooksfamily}
2707 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
2708
2709 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2710 {
2711   \__xepersian_main_setpersiansansfont:nnn {#1} {#2} {#3}
2712 }
2713 \cs_set:Nn \__xepersian_main_setpersiansansfont:nnn
2714 {
2715   \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2716   \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family

```



```

2717 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2718   {
2719     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2720     \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
2721     \exp_not:N \selectfont
2722   }
2723 }
2724 \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
2725   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2726 \normalfont
2727 \ignorespaces
2728 }
2729
2730 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
2731   {
2732     \__xepersian_main_setpersianmonofont:nnn {#1} {#2} {#3}
2733   }
2734 \cs_set:Nn \__xepersian_main_setpersianmonofont:nnn
2735   {
2736     \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,Mappi
2737     \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2738     \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2739       {
2740         \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2741         \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2742         \exp_not:N \selectfont
2743       }
2744     }
2745     \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2746       { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2747     \normalfont
2748     \ignorespaces
2749   }
2750
2751 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
2752   {
2753     \__xepersian_main_setnavarfont:nnn {#1} {#2} {#3}
2754   }
2755 \cs_set:Nn \__xepersian_main_setnavarfont:nnn
2756   {
2757     \fontspec_set_family:Nnn \g__xepersian_navarfamly_family {Script=Parsi,Language=Parsi,Mappi
2758     \tl_set_eq:NN \navardefault \g__xepersian_navarfamly_family
2759     \use:x { \exp_not:n { \DeclareRobustCommand \navarfamly }
2760       {
2761         \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2762         \exp_not:N \fontfamily { \g__xepersian_navarfamly_family }
2763         \exp_not:N \selectfont
2764       }
2765     }
2766     \str_if_eq_x:nnT {\familydefault} {\navardefault}

```



```

2767   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2768   \normalfont
2769   \ignorespaces
2770 }
2771
2772 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
2773 {
2774   \__xepersian_main_setpookfont:nnn {#1} {#2} {#3}
2775 }
2776 \cs_set:Nn \__xepersian_main_setpookfont:nnn
2777 {
2778   \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=
2779   \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2780   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2781     {
2782       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2783       \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2784       \exp_not:N \selectfont
2785     }
2786   }
2787   \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2788   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2789   \normalfont
2790   \ignorespaces
2791 }
2792
2793 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2794 {
2795   \__xepersian_main_setsayehfont:nnn {#1} {#2} {#3}
2796 }
2797 \cs_set:Nn \__xepersian_main_setsayehfont:nnn
2798 {
2799   \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=
2800   \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2801   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2802     {
2803       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2804       \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2805       \exp_not:N \selectfont
2806     }
2807   }
2808   \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2809   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2810   \normalfont
2811   \ignorespaces
2812 }
2813
2814 \DeclareDocumentCommand \setiranicfont { 0{} m 0{} }
2815 {
2816   \__xepersian_main_setiranicfont:nnn {#1} {#2} {#3}

```



```

2817 }
2818 \cs_set:Nn \__xepersian_main_setiraniconfont:nnn
2819 {
2820 \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Map
2821 \tl_set_eq:NN \iranicdefault \g__xepersian_iranicfamily_family
2822 \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
2823 {
2824 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2825 \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
2826 \exp_not:N \selectfont
2827 }
2828 }
2829 \str_if_eq_x:nnT {\familydefault} {\iranicdefault}
2830 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2831 \normalfont
2832 \ignorespaces
2833 }
2834
2835
2836 \ExplSyntaxOff
2837 \def\resetlatinfont{%
2838 \@nonlatinfalse%
2839 \let\normalfont\latinfont%
2840 \let\reset@font\normalfont%
2841 \latinfont%
2842 \fontsize\font@size\font@baselineskip%
2843 \selectfont}
2844 \def\setpersianfont{%
2845 \@nonlatintrue%
2846 \let\normalfont\persianfont%
2847 \let\reset@font\normalfont%
2848 \persianfont%
2849 \fontsize\font@size\font@baselineskip%
2850 \selectfont}
2851 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2852 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2853 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2854 \def\endlatin{\endLTR}
2855 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2856 \def\endpersian{\endRTL}
2857 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end
2858 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\e
2859 \let\originaltoday=\today
2860 \def\latintoday{\lr{\originaltoday}}
2861 \def\today{\rl{\persiantoday}}
2862 \def \@LTRmarginparreset {%
2863 \reset@font
2864 \resetlatinfont
2865 \normalsize
2866 \@minipagetrue

```



```

2867     \everypar{\@minipagefalse\everypar{}}\beginL}%
2868 }
2869 \DeclareRobustCommand\Latincite{%
2870   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
2871 \def\@Latincitex[#1]#2{\leavevmode
2872   \let\@citea\@empty
2873   \@cite{\lr{\@for\@citeb:=#2\do
2874     {\@citea\def\@citea{,\penalty\@m\ }%
2875     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2876     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2877     \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
2878     \@refundefinedtrue
2879     \@latex@warning
2880       {Citation `'\@citeb' on page \thepage \space undefined}}%
2881     {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@#1}}
2882
2883 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2884
2885 \newif\if@xepersian@@computeautoilg
2886 \newcount\xepersian@tcl
2887 \newdimen\xepersian@ilg
2888 \newdimen\xepersian@strutilg
2889 \chardef\f@ur=4
2890 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2891   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2892   \loop
2893     \iffontchar\font\xepersian@tcl
2894     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
2895     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2896       \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2897     \fi
2898   \else
2899     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
2900     \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2901       \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2902     \fi
2903   \fi
2904 \fi
2905 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
2906 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2907   \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2908 \fi
2909 \else
2910 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
2911 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2912   \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2913 \fi
2914 \fi
2915 \fi
2916 \fi

```



```

2917 \advance\xepersian@tcl\@ne
2918 \ifnum\xepersian@tcl<1792\repeat
2919 \advance\xepersian@strutilg\xepersian@ilg
2920 % \ifdim\xepersian@strutilg>\baselineskip
2921 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2922 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2923 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
2924 % \selectfont
2925 % \fi
2926 }
2927
2928 \newcommand\twocolumnstableofcontents{%
2929 \if@bidi@csundef{multi@column@out}{%
2930 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
2931 \begin{multicols}{2}[\section*{\contentsname}]%
2932 \small
2933 \@starttoc{toc}%
2934 \end{multicols}}
2935 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
2936 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
2937 \def\figurename{\if@RTL else\ Figure\fi}
2938 \def\tablename{\if@RTL else\ Table\fi}
2939 \def\contentsname{\if@RTL else\ Contents\fi}
2940 \def\listfigurename{\if@RTL else\ List of Figures\fi}
2941 \def\listtablename{\if@RTL else\ List of Tables\fi}
2942 \def\appendixname{\if@RTL else\ Appendix\fi}
2943 \def\indexname{\if@RTL else\ Index\fi}
2944 \def\refname{\if@RTL else\ References\fi}
2945 \def\abstractname{\if@RTL else\ Abstract\fi}
2946 \def\partname{\if@RTL else\ Part\fi}
2947 \def\datename{\if@RTL else\ Date:\fi}
2948 \def\@and{\if@RTL else\ and\fi}
2949 \def\bibname{\if@RTL else\ Bibliography\fi}
2950 \def\chaptername{\if@RTL else\ Chapter\fi}
2951 \def\ccname{\if@RTL else\ cc\fi}
2952 \def\enclname{\if@RTL else\ encl\fi}
2953 \def\pagename{\if@RTL else\ Page\fi}
2954 \def\headtoname{\if@RTL else\ To\fi}
2955 \def\proofname{\if@RTL else\ Proof\fi}
2956 \def\@Abjad#1{%
2957 \ifcase#1\or or\ or\ or\ or\ %
2958 \or or\ or\ or\ or\ or\ %
2959 \or or\ or\ or\ or\ or\ %
2960 \or or\ or\ or\ or\ %
2961 \or or\ or\ or\ or\ or\ %
2962 \or or\ or\ or\ or\ or\ %
2963 \else\@ctrerr\fi}
2964 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
2965 \let\Abjadnumeral\@Abjad

```




```

3016 \fi%
3017 }
3018 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3019 \ifnum#1#2#3>\z@
3020 \xepersian@milyoongan#1#2#3%
3021 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3022 \fi%
3023 \ifnum#4#5#6>\z@%
3024 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3025 \ifnum#4#5#6>\@ne\fi%
3026 %
3027 \ifnum#7>\z@\ \fi%
3028 \fi%
3029 \xepersian@sadgan#7{#4#5#6}1#9%
3030 }
3031 \def\xepersian@milyoongan#1#2#3{%
3032 \ifnum#1#2#3=\@ne%
3033 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3034 %
3035 %
3036 \else%
3037 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3038 %
3039 %
3040 \fi%
3041 }
3042 \def\xepersian@sadgan#1#2#3#4#5#6{%
3043 \ifnum#1>\z@%
3044 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3045 %
3046 \ifnum#2#3>\z@\ \fi%
3047 \fi%
3048 \ifnum#2#3<20%
3049 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3050 \else%
3051 \xepersian@dahgan#2%
3052 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3053 #60%
3054 \fi%
3055 }
3056 \def\xepersian@yekani#1{%
3057 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3058 \or or\ or\ or\ or\ or\ or\ %
3059 \or or\ or\ or\ %
3060 \or or\ %fi\
3061 }
3062 \def\xepersian@yekanii#1{%
3063 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3064 }
3065 \def\xepersian@yekanii#1{%

```




```

3066 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3067 }
3068 \def\xepersian@yekaniv#1{%
3069 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3070 \or or\ or\ %fi\
3071 }
3072 \def\xepersian@dahgan#1{%
3073 \ifcase#1\or\or or\ or\ %
3074 \or or\ or\ or\ %
3075 \or %fi\
3076 }
3077 \newcommand{\tartibi}[1]{%
3078 \expandafter\@tartibi\csname c@#1\endcsname%
3079 }
3080 \newcommand{\@tartibi}[1]{%
3081 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3082 }
3083 \let\tartibinumeral\@tartibi%
3084 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3085 \ifnum\number#1<\@ne%
3086 #3%
3087 \else\ifnum\number#1<1000000000 %
3088 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3089 \else%
3090 \xepersian@numberoutofrange{#1}#{4}%
3091 \fi\fi%
3092 }
3093 \def\xepersian@adadi@tartibi#1#2{%
3094 \expandafter\xepersian@@adadi@tartibi%
3095 \ifcase%
3096 \ifnum#1<10 1%
3097 \else\ifnum#1<100 2%
3098 \else\ifnum#1<\@m 3%
3099 \else\ifnum#1<\@M 4%
3100 \else\ifnum#1<100000 5%
3101 \else\ifnum#1<1000000 6%
3102 \else\ifnum#1<10000000 7%
3103 \else\ifnum#1<100000000 8%
3104 \else9%
3105 \fi\fi\fi\fi\fi\fi\fi\fi %
3106 \or00000000#1% case 1: Add 8 leading zeros
3107 \or0000000#1% case 2: Add 7 leading zeros
3108 \or000000#1% case 3: Add 6 leading zeros
3109 \or00000#1% case 4: Add 5 leading zeros
3110 \or0000#1% case 5: Add 4 leading zeros
3111 \or000#1% case 6: Add 3 leading zeros
3112 \or00#1% case 7: Add 2 leading zeros
3113 \or0#1% case 8: Add 1 leading zero
3114 \or#1% case 9: Add no leading zeros
3115 \or%

```



```

3116 \@nil#2%
3117 \fi%
3118 }
3119 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3120 \ifnum#1#2#3>\z@
3121 \xepersian@milyoongan@tartibi#1#2#3%
3122 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3123 \fi%
3124 \ifnum#4#5#6>\z@%
3125 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3126 \ifnum#4#5#6>\@ne \fi%
3127 %
3128 \ifnum#7>\z@\ \fi%
3129 \fi%
3130 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3131 }
3132 \def\xepersian@milyoongan@tartibi#1#2#3{%
3133 \ifnum#1#2#3=\@ne%
3134 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3135 %
3136 %
3137 \else%
3138 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3139 %
3140 %
3141 \fi%
3142 }
3143 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3144 \ifnum#1>\z@%
3145 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3146 %
3147 \ifnum#2#3>\z@\ \fi%
3148 \fi%
3149 \ifnum#2#3<20%
3150 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3151 \else%
3152 \ifnum#2#3=30%
3153 \xepersian@dahgan@tartibi#2%
3154 \else%
3155 \xepersian@dahgan#2%
3156 \fi%
3157 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3158 #60%
3159 \fi%
3160 }
3161 \def\xepersian@dahgan@tartibi#1{%
3162 \ifcase#1\or\or or\ or\ %
3163 \or or\ or\ or\ %
3164 \or %fi\
3165 }

```



```

3166 \def\xepersian@tartibi#1{%
3167 \ifcase#1 \or or\ or\ or\ or\ %
3168 \or or\ or\ or\ or\ or\ %
3169 \or or\ or\ or\ %
3170 \or or\ or\ %
3171 \or or\ or\ %fi\
3172 }
3173 \def\xepersian@yekanv#1{%
3174 \ifcase#1\@empty\or or\ or\ or\ or\ or\ or\ %
3175 \or or\ or\ or\ or\ or\ or\ %
3176 \or or\ or\ or\ %
3177 \or or\ %fi\
3178 }
3179 \providecommand*\xpg@warning}[1]{%
3180 \PackageWarning{XePersian}%
3181 {#1}}
3182 \if@bidi@csundef{@abjad}{%
3183 \def\@abjad#1{%
3184 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3185 \else
3186 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3187 \else
3188 \ifnum#1<10\expandafter\abj@num@i\number#1%
3189 \else
3190 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3191 \else
3192 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3193 \else
3194 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%,since #1<2000, we must have 1000
3195 \fi
3196 \fi
3197 \fi
3198 \fi
3199 \fi
3200 \fi
3201 }
3202 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3203 \let\abjadnumeral\@abjad
3204 \def\abjad@zero{}
3205 \def\abj@num@i#1{%
3206 \ifcase#1\or or\ or\ or\ %
3207 \or or\ or\ or\ or\ fi\
3208 \ifnum#1=\z@\abjad@zero\fi}
3209 \def\abj@num@ii#1{%
3210 \ifcase#1\or or\ or\ or\ or\ %
3211 \or or\ or\ or\ fi\
3212 \ifnum#1=\z@\fi\abj@num@i}
3213 \def\abj@num@iii#1{%
3214 \ifcase#1\or or\ or\ or\ or\ %
3215 \or or\ or\ or\ fi\

```



```

3216 \ifnum#1=\z@\fi\abj@num@ii}
3217 \def\abj@num@iv#1{%
3218 \ifcase#1\or fi\
3219 \ifnum#1=\z@\fi\abj@num@iii}
3220 }{}
3221 \let\@latalph\@alph%
3222 \let\@latinAlph\@Alph%
3223 \def\LatinAlphs{%
3224 \let\@alph\@latalph%
3225 \let\@Alph\@latinAlph%
3226 }
3227 \def\thempfootnote{\itshape\@latalph\c@mpfootnote}
3228 \renewcommand*\@bidi@thebibliography@font@hook{%
3229 \if@LTRbibitems
3230 \resetlatinfont
3231 \fi}
3232 \bidi@AfterEndPreamble{%
3233 \if@bidi@csundef{persianfont}{%
3234 \PackageError{xepersian}{You have not specified any font\MessageBreak
3235 for the main Persian text}{Use \settextfont' to load a font.}%
3236 }{}
3237 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3238 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3239 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3240 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3241 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3242 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3243 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3244 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3245 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
3246 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3247 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3248 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3249 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3250 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3251 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3252 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3253 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3254 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3255 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3256 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}
3257 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3258 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3259 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3260 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3261 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3262 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3263 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3264 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3265 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}

```



```

3266 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3267 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3268 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3269 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3270 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3271 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3272 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3273 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3274 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3275 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3276 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3277 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3278 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3279 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3280 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3281   \ifcase\xepersian@tempb\relax
3282     \AutoMathsDigits
3283   \or
3284     \DefaultMathsDigits
3285   \or
3286     \PersianMathsDigits
3287   \fi}
3288 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3289   \ifcase\xepersian@tempb\relax
3290     \AutoInlineMathsDigits
3291   \or
3292     \DefaultInlineMathsDigits
3293   \or
3294     \PersianInlineMathsDigits
3295   \fi}
3296 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3297   \ifcase\xepersian@tempb\relax
3298     \AutoDisplayMathsDigits
3299   \or
3300     \DefaultDisplayMathsDigits
3301   \or
3302     \PersianDisplayMathsDigits
3303   \fi}
3304 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3305   \ifcase\xepersian@tempb\relax
3306     \@RTLtrue
3307   \or
3308     \@RTLfalse
3309   \fi}
3310
3311 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3312   \ifcase\xepersian@tempb\relax
3313     \@RTLtrue
3314   \or
3315     \@RTLfalse

```



```

3316 \fi}
3317
3318
3319 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3320 \ifcase\xepersian@tempb\relax
3321 \RTLtabtrue
3322 \or
3323 \RTLtabfalse
3324 \fi}
3325
3326 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3327 \ifcase\xepersian@tempb\relax
3328 \nonlatinfalse
3329 \or
3330 \nonlatintrue
3331 \fi}
3332
3333 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3334 \ifcase\xepersian@tempb\relax
3335 \RTLtrue
3336 \or
3337 \RTLfalse
3338 \fi}
3339 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left
3340 \ifcase\xepersian@tempb\relax
3341 \autofootnoterule
3342 \or
3343 \leftfootnoterule
3344 \or
3345 \rightfootnoterule
3346 \or
3347 \SplitFootnoteRule
3348 \or
3349 \textwidthfootnoterule
3350 \fi}
3351 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3352 \ifcase\xepersian@tempb\relax
3353 \RTL@footnotetrue
3354 \or
3355 \RTL@footnotefalse
3356 \fi}
3357 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
3358 \ifcase\xepersian@tempb\relax
3359 \footdir@debugtrue
3360 \or
3361 \footdir@debugfalse
3362 \fi}
3363 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3364 \ifcase\xepersian@tempb\relax
3365 \input{kashida-xepersian.def}

```



```

3366 \fi}
3367 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3368 \ifcase\xepersian@tempb\relax
3369 \input{localise-xepersian.def}
3370 \fi}
3371 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3372 \ifcase\xepersian@tempb\relax
3373 \@extrafootnotefeaturestrue
3374 \or
3375 \@extrafootnotefeaturesfalse
3376 \fi}
3377 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3378 \ifcase\xepersian@tempb\relax
3379 \PackageWarning{xepersian}{Obsolete option}%
3380 \ifwritexviii%
3381 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3382 \renewcommand\printindex{\newpage%
3383 \immediate\closeout\@indexfile
3384 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3385 \@input@{\jobname.ind}}}%
3386 \else
3387 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3388 \fi
3389 \fi}
3390 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3391 \ifcase\xepersian@tempb\relax
3392 \ifwritexviii%
3393 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3394 \renewcommand\printindex{\newpage%
3395 \immediate\closeout\@indexfile
3396 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3397 \@input@{\jobname.ind}}}%
3398 \else
3399 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3400 \fi
3401 \fi}
3402 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3403 \ifcase\xepersian@tempb\relax
3404 \ifwritexviii%
3405 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3406 \renewcommand\printindex{\newpage%
3407 \immediate\closeout\@indexfile
3408 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3409 \@input@{\jobname.ind}}}%
3410 \else
3411 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3412 \fi
3413 \fi}
3414 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3415 \ifcase\xepersian@tempb\relax

```



```

3416 \def\PersianAlphs{%
3417 \let\@alph\@abjad%
3418 \let\@Alph\@abjad%
3419 }
3420 \or
3421 \def\PersianAlphs{%
3422 \let\@alph\@Abjad%
3423 \let\@Alph\@Abjad%
3424 }
3425 \fi}
3426 \DeclareOptionX{defaultlatinfontfeatures}{%
3427 \defaultfontfeatures
3428 [\latinfont]
3429 {#1}
3430 }
3431
3432
3433 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3434 \ifcase\xepersian@tempb\relax
3435 \xepersian@@computeautoilgtrue
3436 \or
3437 \xepersian@@computeautoilgfalse
3438 \fi}
3439
3440 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3441 \ifcase\xepersian@tempb\relax
3442 \def\bidi@firstcolumn@status@write{%
3443 \protected@write\@auxout{}%
3444 {\string\bidi@column@status
3445 {1}}}%
3446 \def\bidi@lastcolumn@status@write{%
3447 \protected@write\@auxout{}%
3448 {\string\bidi@column@status{2}}}%
3449 \or
3450 \let\bidi@firstcolumn@status@write\relax
3451 \let\bidi@lastcolumn@status@write\relax
3452 \fi}
3453
3454
3455 \ExecuteOptionsX{%
3456 documentdirection=righttoleft,
3457 tabledirection=righttoleft,
3458 script=nonlatin,
3459 footnotedirection=righttoleft,
3460 footnoterule=automatic,
3461 abjadvariant=two,
3462 DetectColumn=off
3463 }
3464
3465 \ProcessOptionsX

```




```

3466
3467 \if@extrafootnotefeatures
3468 \input{extrafootnotefeatures-xetex-bidi.def}
3469 \input{extrafootnotefeatures-xepersian.def}
3470 \fi
3471
3472 \if@xepersian@@computeautoilg
3473 \bidi@patchcmd{\set@fontsize}{%
3474 \baselineskip\f@baselineskip\relax
3475 }{%
3476 \baselineskip\f@baselineskip\relax
3477 \xepersian@computeautoilg
3478 \ifdim\xepersian@strutilg>\baselineskip
3479 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
3480 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3481 \baselineskip\xepersian@strutilg
3482 \ifdim\footnotesep=.7\baselineskip
3483 \else
3484 \footnotesep.7\baselineskip
3485 \fi
3486 \fi
3487 }{}{}
3488 \fi
3489
3490 \setlatintextfont [ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3491 \PersianAlphs

```

7.57 xepersian-magazine.cls

```

3492 \NeedsTeXFormat{LaTeX2e}
3493 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3494 \RequirePackage{ifthen}
3495 \newlength{\xepersian@imgsize}
3496 \newlength{\xepersian@coltitsize}
3497 \newlength{\xepersian@pageneed}
3498 \newlength{\xepersian@pageleft}
3499 \newlength{\xepersian@indexwidth}
3500 \newcommand{\xepersian@ncolumns}{0}
3501 \newlength{\columnlines}
3502 \setlength{\columnlines}{0 pt} % no lines by default
3503 \newboolean{xepersian@hyphenatedtitles}
3504 \setboolean{xepersian@hyphenatedtitles}{true}
3505 \newboolean{xepersian@ninepoints}
3506 \setboolean{xepersian@ninepoints}{false}
3507 \newboolean{xepersian@showgrid}
3508 \setboolean{xepersian@showgrid}{false}
3509 \newboolean{xepersian@a3paper}
3510 \setboolean{xepersian@a3paper}{false}
3511 \newboolean{xepersian@insidefrontpage}
3512 \setboolean{xepersian@insidefrontpage}{false}

```



```

3513 \newboolean{xepersian@insideweather}
3514 \setboolean{xepersian@insideweather}{false}
3515 \newboolean{xepersian@insideindex}
3516 \setboolean{xepersian@insideindex}{false}
3517 \newcount\xepersian@gridrows
3518 \newcount\xepersian@gridcolumns
3519 \xepersian@gridrows=40
3520 \xepersian@gridcolumns=50
3521 \newcount\minraggedcols
3522 \minraggedcols=5
3523 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3524 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3525 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3526 \DeclareOption{twocolumn}%
3527 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3528 \DeclareOption{notitlepage}%
3529 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3530 \DeclareOption{twoside}%
3531 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3532 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3533 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3534 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3535 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3536 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3537 \ProcessOptions\relax
3538 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3539 \RequirePackage{ifxetex}
3540 \RequirePackage{multido}
3541 \RequirePackage{datetime}
3542 \RequirePackage{multicol}
3543 \RequirePackage{fancyhdr}
3544 \RequirePackage{fancybox}
3545 \ifthenelse{\boolean{xepersian@a3paper}}{%
3546 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3547 }{
3548 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3549 }
3550 \RequirePackage[absolute]{textpos} % absolute positioning
3551 \RequirePackage{hyphenat} % when hyphenate
3552 \RequirePackage{lastpage} % to know the last page number
3553 \RequirePackage{setspace} % set space between lines
3554 \RequirePackage{ragged2e}
3555 \newcommand{\raggedFormat}{\RaggedLeft}
3556 \AtEndOfClass{\xepersianInit}
3557 \ifthenelse{\boolean{xepersian@showgrid}}{%
3558 \AtBeginDocument{
3559 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3560 \advance\minraggedcols by -1
3561 }{%
3562 \AtBeginDocument{

```



```

3563 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}
3564 \advance\minraggedcols by -1
3565 }
3566 \ifthenelse{\boolean{xepersian@ninepoints}}{
3567 \renewcommand{\normalsize}{%
3568   \@setfontsize{\normalsize}{9pt}{10pt}%
3569   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3570   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3571   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3572   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3573
3574 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3575
3576 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3577
3578 \renewcommand{\small}{%
3579   \@setfontsize{\small}{8pt}{9pt}%
3580   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3581   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3582   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3583   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3584
3585 \renewcommand{\footnotesize}{%
3586   \@setfontsize{\footnotesize}{8pt}{9pt}%
3587   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3588   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3589   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3590   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3591
3592 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3593 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3594 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3595 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3596 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3597 }{}
3598 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3599 \newcommand{\xepersian@wwwFormat}{\sffamily}
3600 \newcommand{\xepersian@www}{%
3601 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
3602 }
3603 \newcommand{\xepersian@edition}{ {
3604 \newcommand{\editionFormat}{\large\bfseries\texttt}
3605 \newcommand{\xepersian@editionLogo}{%
3606 \raisebox{-3pt}{%
3607 {\editionFormat\xepersian@edition}%
3608 }%
3609 }
3610 \newcommand{\indexFormat}{\large\bfseries}
3611 \newcommand{\xepersian@indexFrameTitle}[1]
3612 {\begin{flushright}{\indexFormat #1}\end{flushright}}

```



```

3613
3614 \newcommand{\indexEntryFormat}{\normalsize}
3615 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3616 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3617 \end{minipage}}
3618 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3619 \newcommand{\indexEntryPageTxt}{ }
3620 \newcommand{\indexEntryPageFormat}{\footnotesize}
3621 \newcommand{\xepersian@indexEntryPage}[1]{%
3622 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3623 }
3624 \newcommand{\headDateTimeFormat}{}
3625 \newcommand{\xepersian@headDateTime}{%
3626 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3627 \currenttime %
3628 }
3629 \newcommand{\weatherFormat}{\bfseries}
3630 \newcommand{\xepersian@weather}[1]{%
3631 \noindent{\weatherFormat #1}%
3632 }
3633 \newcommand{\weatherTempFormat}{\small}
3634 \newcommand{\weatherUnits}{\textdegree}{C}
3635 \newcommand{\xepersian@section}[0]{ {
3636 \newcommand{\xepersian@headleft}{%
3637 {\small\bfseries \@custommagaziname} \date
3638 }
3639 \newcommand{\xepersian@headcenter}{%
3640 \xepersian@section}
3641 }
3642 \newcommand{\xepersian@headright}{%
3643 \small\xepersian@edition%
3644 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3645 }
3646
3647 \newcommand{\heading}[3]{%
3648 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3649 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3650 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3651 }
3652 \newcommand{\xepersian@footright}{%
3653 {\footnotesize\lr{\copyright\ \@customwwwTxt}}-- - \lr{\XePersian}}%
3654 }
3655 \newcommand{\xepersian@footcenter}{%
3656 }
3657 \newcommand{\xepersian@footleft}{%
3658 }
3659
3660 \newcommand{\foot}[3]{%
3661 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3662 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%

```



```

3663 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3664 }
3665 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3666 \newcommand{\xepersian@firstTitle}[1]{%
3667 {%
3668 \begin{spacing}{2.0}{%
3669 \noindent\ignorespaces
3670 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3671 {\nohyphens{\firstTitleFormat #1}}%
3672 {\{\firstTitleFormat #1}}%
3673 }%
3674 \end{spacing}%
3675 }%
3676 }
3677 \newcommand{\firstTextFormat}{}
3678 \newcommand{\xepersian@firstText}[1]{%
3679 {\noindent\ignorespaces\firstTextFormat #1}}%
3680 }
3681 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3682 \newcommand{\xepersian@secondTitle}[1]{%
3683 \begin{spacing}{1.5}{%
3684 \noindent\ignorespaces\flushright
3685 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3686 {\nohyphens{\secondTitleFormat #1}}%
3687 {\{\secondTitleFormat #1}}%
3688 }\end{spacing}%
3689 }
3690 \newcommand{\secondSubtitleFormat}{\large}
3691 \newcommand{\xepersian@secondSubtitle}[1]{%
3692 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3693 }
3694 \newcommand{\secondTextFormat}{}
3695 \newcommand{\xepersian@secondText}[1]{%
3696 \begin{multicols}{2}
3697 {\noindent\ignorespaces\secondTextFormat #1}
3698 \end{multicols}
3699 }
3700 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3701 \newcommand{\xepersian@thirdTitle}[1]{%
3702 \begin{spacing}{1.5}{%
3703 \noindent\ignorespaces\flushright
3704 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3705 {\nohyphens{\thirdTitleFormat #1}}%
3706 {\{\thirdTitleFormat #1}}%
3707 }\end{spacing}%
3708 }
3709 \newcommand{\thirdSubtitleFormat}{\large}
3710 \newcommand{\xepersian@thirdSubtitle}[1]{%
3711 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3712 \newcommand{\thirdTextFormat}{}

```



```

3713 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3714 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3715 \newcommand{\xepersian@pictureCaption}[1]{%
3716 {\noindent\pictureCaptionFormat #1}%
3717 }
3718 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3719 \newcommand{\xepersian@pages}[1]%
3720 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3721 \newcommand{\innerTitleFormat}{\Huge}
3722 \newcommand{\xepersian@innerTitle}[1]{%
3723 \begin{flushright}{%
3724 \noindent
3725 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3726 {\nohyphens{\innerTitleFormat #1}}%
3727 {\innerTitleFormat #1}}%
3728 }%
3729 \\%
3730 \end{flushright}}%
3731 }
3732 \newcommand{\innerSubtitleFormat}{\large}
3733 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
3734 \newcommand{\timestampTxt}{}
3735 \newcommand{\timestampSeparator}{|}
3736 \newcommand{\timestampFormat}{\small}
3737 \newcommand{\timestamp}[1]{%
3738 {\timestampFormat%
3739 #1~\timestampTxt}%
3740 }~\timestampSeparator}%
3741 }
3742 \newcommand{\innerAuthorFormat}{\footnotesize}
3743 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3744 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3745 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3746 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3747 \newcommand{\editorialAuthorFormat}{\textsc}
3748 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3749 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
3750 \newcommand{\shortarticleSubtitleFormat}{\Large}
3751 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
3752 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3753 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
3754 \renewcommand{\maketitle}{\begin{titlepage}%
3755 \let\footnotesize\small
3756 \let\footnoterule\relax
3757 \let\footnote\thanks
3758 \null\vfil
3759 \vskip 60\p@
3760 \begin{center}%
3761 {\LARGE \@title \par}%
3762 \vskip 1em%

```



```

3763 {\LARGE «\xepersian@edition» \par}%
3764 \vskip 3em%
3765 {\large
3766 \lineskip .75em%
3767 \begin{tabular}[t]{c}%
3768 \@author
3769 \end{tabular}\par}%
3770 \vskip 1.5em%
3771 {\large \@date \par}%
3772 \end{center}\par
3773 \@thanks
3774 \vfil\null
3775 \end{titlepage}%
3776 \setcounter{footnote}{0}%
3777 \global\let\thanks\relax
3778 \global\let\maketitle\relax
3779 \global\let\@thanks\@empty
3780 \global\let\@author\@empty
3781 \global\let\@date\@empty
3782 \global\let\@title\@empty
3783 \global\let\title\relax
3784 \global\let\author\relax
3785 \global\let\date\relax
3786 \global\let\and\relax
3787 }
3788 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3789 \newsavebox{\xepersian@fmbbox}
3790 \newenvironment{xepersian@fmpage}[1]
3791 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
3792 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
3793 \newcommand{\image}[2]{
3794 \vspace{5pt}
3795 \setlength{\fboxsep}{1pt}
3796 \addtolength{\xepersian@imgsize}{\columnwidth}
3797 \addtolength{\xepersian@imgsize}{-1\columnsep}
3798 \ifxetex
3799 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3800 \addtolength{\xepersian@pageneed}{50pt}
3801 \ClassWarning{xepersian-magazine}{%
3802 Image #1 needs: \the\xepersian@pageneed \space %
3803 and there is left: \the\page@free\space%
3804 }
3805 \ifdim \xepersian@pageneed < \page@free
3806
3807 {\centering\fbox{%
3808 \includegraphics[width = \xepersian@imgsize,
3809 height = \xepersian@imgsize,
3810 keepaspectratio ]{#1}}}
3811 \xepersian@pictureCaption{#2}
3812

```



```

3813 \vspace{5pt}
3814 \else
3815 \ClassWarning{Image #1 needs more space!%
3816   It was not inserted!}
3817 \fi
3818 \fi
3819 }
3820 \textblockorigin{1cm}{1cm}
3821 \newdimen\xepersian@dx
3822 \newdimen\xepersian@dy
3823 \newcount\xepersian@cx
3824 \newcount\xepersian@cy
3825 \newcommand{\grid}[3][]{
3826 \xepersian@dx=\textwidth%
3827 \xepersian@dy=\textheight%
3828 \xepersian@cx=#3% %columns
3829 \xepersian@cy=#2% %rows
3830
3831 \count1=#3%
3832 \advance\count1 by 1
3833
3834 \count2=#2%
3835 \advance\count2 by 1
3836
3837 \divide\xepersian@dx by #3
3838 \divide\xepersian@dy by #2
3839
3840 \setlength{\TPHorizModule}{\xepersian@dx}
3841 \setlength{\TPVertModule}{\xepersian@dy}
3842
3843 \ifthenelse{\equal{#1}{show}}{
3844 \multido{\xepersian@nrow=0+1}{\count2}{
3845 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3846 \rule[0pt]{\textwidth}{.1pt}
3847 \end{textblock}
3848 }
3849
3850 \multido{\xepersian@ncol=0+1}{\count1}{
3851 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3852 \rule[0pt]{.1pt}{\textheight}
3853 \end{textblock}
3854 }
3855 }{}
3856 }
3857 \newcommand{\xepersianInit}{
3858 \setlength{\headheight}{14pt}
3859 \renewcommand{\headrulewidth}{0.4pt}
3860
3861 \pagestyle{fancy}
3862

```




```

3863 \setlength{\columnseprule}{\columnlines}
3864 \setlength{\fboxrule}{0.1 pt}
3865
3866 }
3867
3868 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3869 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3870 \def\custommagazine#1{\gdef\@custommagazine{\beginR#1\endR}}
3871 \newcommand{\logo}[0]{
3872 %% Heading %%
3873 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3874
3875 \vspace*{-3pt}
3876
3877 {\Large\bfseries \@customlogo}
3878 \hrulefill
3879 \hspace{10pt}\xepersian@headDateTime
3880
3881 }
3882 \newcommand{\minilogo}[0]{
3883 {\large\bfseries \@customminilogo}
3884
3885 \vspace*{5pt}
3886 }
3887 \newcommand{\mylogo}[1]{
3888 {\beginR#1\endR}
3889
3890 \noindent
3891 \xepersian@editionLogo\hspace{5pt}
3892 \hrulefill
3893 \hspace{5pt}\xepersian@headDateTime
3894 }
3895 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3896 \newenvironment{frontpage}[0]
3897 {
3898 \setboolean{xepersian@insidefrontpage}{true}
3899 \thispagestyle{empty}
3900 \logo
3901
3902 }%
3903 {
3904 \thispagestyle{empty}
3905 \clearpage
3906 \newpage
3907 \fancyhead{}
3908 \fancyfoot{}
3909 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
3910 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
3911 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3912 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}

```



```

3913 \fancyfoot [LO,RE]{\beginR\xepersian@footleft\endR}
3914 \fancyfoot [C]{\beginR\xepersian@footcenter\endR}
3915 \renewcommand{\headrulewidth}{0.4pt}
3916 \setboolean{xepersian@insidefrontpage}{false}
3917
3918 }
3919 \newcommand{\firstarticle}[3]
3920 {
3921 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3922 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3923 \begin{textblock}{24}(22,5)
3924 }
3925 {
3926 \begin{textblock}{28}(22,5)
3927 }
3928 \vspace{-7pt}
3929 \xepersian@firstTitle{#1}
3930 \end{textblock}
3931 \begin{textblock}{29}(22,10)
3932 \vspace{5pt plus 2pt minus 2pt}
3933
3934 \xepersian@firstText{\timestamp{#3}~#2}
3935
3936 \end{textblock}
3937
3938 \begin{textblock}{50}(0,15)
3939 \rule{50\TPHorizModule}{.3pt}
3940 \end{textblock}
3941 }{%else
3942 \ClassError{xepersian-magazine}{%
3943 \protect\firstarticle\space in a wrong place.\MessageBreak
3944 \protect\firstarticle\space may only appear inside frontpage environment.
3945 }{%
3946 \protect\firstarticle\space may only appear inside frontpage environment.
3947 }%
3948 }
3949 }
3950 \newcommand{\secondarticle}[5]
3951 {
3952 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3953 \begin{textblock}{33}(2,16)
3954 \xepersian@pages{#4}
3955 \vspace{-5pt}
3956 \xepersian@secondTitle{#1}
3957
3958 \vspace*{5pt}
3959
3960 \xepersian@secondSubtitle{#2}
3961
3962 \vspace*{-7pt}

```



```

3963
3964 \xepersian@secondText{\timestamp{#5}~#3}
3965
3966 \end{textblock}
3967
3968 \begin{textblock}{33}(2,25)
3969 \vspace{5pt plus 2pt minus 2pt}
3970
3971 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
3972 \end{textblock}
3973 }{%else
3974 \ClassError{xepersian-magazine}{%
3975 \protect\secondarticle\space in a wrong place.\MessageBreak
3976 \protect\secondarticle\space may only appear inside frontpage environment.
3977 }{%
3978 \protect\secondarticle\space may only appear inside frontpage environment.
3979 }%
3980 }
3981 }
3982 \newcommand{\thirdarticle}[6]
3983 {
3984 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3985 \begin{textblock}{32}(2,26)
3986 \xepersian@pages{#5}
3987 \vspace{-5pt}
3988 \setlength{\fboxsep}{1pt}
3989 \xepersian@thirdTitle{#1}
3990
3991 \vspace*{5pt}
3992
3993 \xepersian@thirdSubtitle{#2}
3994
3995 \vspace*{5pt}
3996
3997 {\noindent\ignorespaces %
3998 \ifthenelse{\equal{#4}{}}{}}
3999
4000 \xepersian@thirdText{\timestamp{#6}~#3}
4001
4002 }
4003
4004 \vspace*{5pt}
4005
4006 \end{textblock}
4007 }{%else
4008 \ClassError{xepersian-magazine}{%
4009 \protect\thirdarticle\space in a wrong place.\MessageBreak
4010 \protect\thirdarticle\space may only appear inside frontpage environment.
4011 }{%
4012 \protect\thirdarticle\space may only appear inside frontpage environment.

```



```

4013 }%
4014 }
4015 }
4016 \newcommand{\firstimage}[2]
4017 {
4018 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4019 \begin{textblock}{18}(2,5)
4020 \setlength{\fboxsep}{1pt}
4021 \ifxetex % only in PDF
4022 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4023 \fi
4024
4025 \xepersian@pictureCaption{#2}
4026 \end{textblock}%
4027 }
4028 {\ClassError{xepersian-magazine}{%
4029 \protect\firstimage\space in a wrong place.\MessageBreak
4030 \protect\firstimage\space may only appear inside frontpage environment.
4031 }{%
4032 \protect\firstimage\space may only appear inside frontpage environment.
4033 }}
4034 }%
4035 \newcommand{\weatheritem}[5]{%
4036 \ifthenelse{\boolean{xepersian@insideweather}}{
4037 \begin{minipage}{45pt}
4038 \ifxetex
4039 \includegraphics[width=40pt]{#1}
4040 \fi
4041 \end{minipage}
4042 \begin{minipage}{50pt}
4043 \weatherTempFormat
4044 #2\
4045 \beginL#3 $\|$ $ #4 \lr{\weatherUnits{}}\endL\
4046 #5
4047 \end{minipage}
4048 }{%else
4049 \ClassError{xepersian-magazine}{%
4050 \protect\weatheritem\space in a wrong place.\MessageBreak
4051 \protect\weatheritem\space may only appear inside weatherblock environment.
4052 }{%
4053 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4054 weatherblock environment may only appear inside frontpage environment.
4055 }%
4056 }
4057 }
4058 \newenvironment{weatherblock}[1]
4059 {
4060 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4061 \setboolean{xepersian@insideweather}{true}
4062 \begin{textblock}{32}(2,38)

```



```

4063 \vspace*{-15pt}
4064
4065 \xepersian@weather{\beginR#1\endR}
4066
4067 \vspace*{5pt}
4068
4069 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4070 \begin{minipage}{32\TPHorizModule}
4071 \hspace{5pt}
4072
4073 }{%
4074 \ClassError{xepersian-magazine}{%
4075 weatherblock in a wrong place.\MessageBreak
4076 weatherblock may only appear inside frontpage environment.
4077 }{%
4078 weatherblock may only appear inside frontpage environment.
4079 }
4080 }
4081 }%
4082 {
4083 \end{minipage}
4084 \end{xepersian@fmpage}
4085 \end{textblock}
4086 \setboolean{xepersian@insideweather}{false}
4087 }
4088 \newenvironment{authorblock}[0]
4089 {
4090 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4091 \begin{textblock}{15}(36,35)
4092 \setlength{\fboxsep}{5pt}
4093 \begin{xepersian@fmpage}{13\TPHorizModule}
4094 \begin{minipage}{13\TPHorizModule}
4095 \centering
4096 \minilogo
4097
4098 }{%else
4099 \ClassError{xepersian-magazine}{%
4100 authorblock in a wrong place.\MessageBreak
4101 authorblock may only appear inside frontpage environment.
4102 }{%
4103 authorblock may only appear inside frontpage environment.
4104 }
4105 }
4106 }
4107 {
4108 \end{minipage}
4109 \end{xepersian@fmpage}
4110 \end{textblock}
4111 }
4112 \newenvironment{indexblock}[1]

```



```

4113 {
4114 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4115 \setboolean{xepersian@insideindex}{true}%let's in
4116 \begin{textblock}{15}(36,16)
4117 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4118 \xepersian@indexFrameTitle{#1}
4119
4120 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4121 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4122 \begin{minipage}{\xepersian@indexwidth}
4123 \vspace*{10pt}
4124 }{%else
4125 \ClassError{xepersian-magazine}{%
4126 indexblock in a wrong place.\MessageBreak
4127 indexblock may only appear inside frontpage environment.
4128 }{%
4129 indexblock may only appear inside frontpage environment.
4130 }
4131 }
4132 }%
4133 {
4134 \end{minipage}
4135 \end{xepersian@fmpage}
4136 \end{textblock}
4137 \setboolean{xepersian@insideindex}{false}%let's out
4138 }
4139 \newcommand{\indexitem}[2]
4140 {
4141 \ifthenelse{\boolean{xepersian@insideindex}}{
4142 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4143
4144 \vspace{0.5cm}
4145
4146 \noindent\ignorespaces\indexEntrySeparator{
4147 }{%else
4148 \ClassError{xepersian-magazine}{%
4149 \protect\indexitem\space in a wrong place.\MessageBreak
4150 \protect\indexitem\space may only appear inside indexblock environment.
4151 }{%
4152 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4153 indexblock environment may only appear inside frontpage environment.
4154 }%
4155 }
4156 }
4157 \newcommand{\xepersian@inexpandedtitle}[1]{
4158 \begin{minipage}{.95\textwidth}
4159 \begin{center}
4160 \noindent\Large\textbf{\beginR#1\endR}
4161 \end{center}
4162 \end{minipage}

```



```

4163 }
4164 \newcommand{\expandedtitle}[2]{
4165 \end{multicols}
4166
4167 \begin{center}
4168 \setlength{\fboxsep}{5pt}
4169 \setlength{\shadowsize}{2pt}
4170 \ifthenelse{\equal{#1}{shadowbox}}{%
4171 \shadowbox{%
4172 \xepersian@inexpandedtitle{#2}%
4173 }%
4174 }{}
4175 \ifthenelse{\equal{#1}{doublebox}}{%
4176 \doublebox{%
4177 \xepersian@inexpandedtitle{#2}%
4178 }%
4179 }{}
4180 \ifthenelse{\equal{#1}{ovalbox}}{%
4181 \ovalbox{%
4182 \xepersian@inexpandedtitle{#2}%
4183 }%
4184 }{}
4185 \ifthenelse{\equal{#1}{ovalbox}}{%
4186 \Ovalbox{%
4187 \xepersian@inexpandedtitle{#2}%
4188 }%
4189 }{}
4190 \ifthenelse{\equal{#1}{lines}}{
4191 \hrule
4192 \vspace*{8pt}
4193 \begin{center}
4194 \noindent\Large\textbf{#2}
4195 \end{center}
4196 \vspace*{8pt}
4197 \hrule
4198 }{}
4199 \end{center}
4200
4201 \begin{multicols}{\xepersian@ncolumns{}}
4202 \ifnum \xepersian@ncolumns > \minraggedcols
4203 \raggedFormat
4204 \fi
4205 }
4206 \newcommand{\xepersian@incolumntitle}[2]{
4207 \begin{minipage}{#1}
4208 \begin{center}
4209 \noindent\normalsize\textbf{#2}
4210 \end{center}
4211 \end{minipage}
4212 }

```



```

4213
4214 \newcommand{\columntitle}[2]{
4215 \vspace*{5pt}
4216 \begin{center}
4217 \setlength{\fboxsep}{5pt}
4218 \setlength{\shadowsize}{2pt}
4219 \addtolength{\xepersian@coltitsize}{\columnwidth}
4220 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4221 \addtolength{\xepersian@coltitsize}{-5pt}
4222 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4223 \ifthenelse{\equal{#1}{shadowbox}}{%
4224 \shadowbox{%
4225 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4226 }%
4227 }{}
4228 \ifthenelse{\equal{#1}{doublebox}}{%
4229 \doublebox{%
4230 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4231 }%
4232 }{}
4233 \ifthenelse{\equal{#1}{ovalbox}}{%
4234 \ovalbox{%
4235 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4236 }%
4237 }{}
4238 \ifthenelse{\equal{#1}{0ovalbox}}{%
4239 \0ovalbox{%
4240 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4241 }%
4242 }{}
4243 \ifthenelse{\equal{#1}{lines}}{
4244 \hrule
4245 \vspace*{5pt}
4246 \begin{center}
4247 \noindent\normalsize\textbf{#2}
4248 \end{center}
4249 \vspace*{5pt}
4250 \hrule
4251 }{}
4252 \end{center}
4253 }
4254 \renewcommand{\date}{%
4255 \longdate{\today}%
4256 }
4257 \newcommand{\authorandplace}[2]{%
4258 \rightline{%
4259 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4260 }%
4261 \par %
4262 }

```




```

4263 \newcommand{\newsection}[1]{
4264 \renewcommand{\xepersian@section}{#1}
4265 }
4266 \newenvironment{article}[5]
4267 {
4268 \xepersian@say{Adding a new piece of article}
4269 \renewcommand{\xepersian@ncolumns}{#1}
4270 \begin{multicols}{#1}[
4271 \xepersian@pages{#4}
4272 \xepersian@innerTitle{#2}%
4273 \xepersian@innerSubtitle{#3}%
4274 ] [4cm]%
4275 \label{#5}
4276 \ifnum #1 > \minraggedcols
4277 \raggedFormat
4278 \fi
4279 }
4280 {\~\innerTextFinalMark{}}
4281 \end{multicols}
4282 }
4283 \newcommand{\articlesep}{%
4284 \setlength{\xepersian@pageneed}{16000pt}
4285 \setlength\xepersian@pageleft{\pagegoal}
4286 \addtolength\xepersian@pageleft{-\pagetotal}
4287
4288 \xepersian@say{How much left \the\xepersian@pageleft}
4289
4290 \ifdim \xepersian@pageneed < \xepersian@pageleft
4291 \xepersian@say{Not enough space}
4292 \else
4293 \xepersian@say{Adding sep line between articles}
4294 \vspace*{10pt plus 10pt minus 5pt}
4295 \hrule
4296 \vspace*{10pt plus 5pt minus 5pt}
4297 \fi
4298
4299 }
4300 \newcommand{\xepersian@editorialTit}[2]{
4301 \setlength{\arrayrulewidth}{.1pt}
4302 \begin{center}
4303 \begin{tabular}{c}
4304 \noindent
4305 \xepersian@editorialTitle{#1}
4306 \vspace{2pt plus 1pt minus 1pt}
4307 \\
4308 \hline
4309 \vspace{2pt plus 1pt minus 1pt}
4310 \\
4311 \editorialAuthorFormat{#2}
4312 \end{tabular}

```



```

4313 \end{center}
4314 }
4315 \newenvironment{editorial}[4]
4316 {
4317 \xepersian@say{Adding a new editorial}
4318 \begin{multicols}{#1}[%
4319 \xepersian@editorialTit{#2}{#3}%
4320 ] [4cm]
4321 \label{#4}
4322 \ifnum #1 > \minraggedcols
4323 \raggedFormat
4324 \fi
4325 }
4326 {
4327 \end{multicols}
4328 }
4329 \newcommand{\xepersian@shortarticleTit}[2]{
4330 \begin{center}
4331 \vbox{%
4332 \noindent
4333 \xepersian@shortarticleTitle{#1}
4334 \vspace{4pt plus 2pt minus 2pt}
4335 \hrule
4336 \vspace{4pt plus 2pt minus 2pt}
4337 \xepersian@shortarticleSubtitle{#2}
4338 }
4339 \end{center}
4340 }
4341 \newenvironment{shortarticle}[4]
4342 {
4343 \xepersian@say{Adding a short article block}
4344 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4345 \label{#4}
4346 \par %
4347 \ifnum #1 > \minraggedcols
4348 \raggedFormat
4349 \fi
4350 }
4351 {
4352 \end{multicols}
4353 }
4354 \newcommand{\shortarticleitem}[2]{
4355 \goodbreak
4356 \vspace{5pt plus 3pt minus 3pt}
4357 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4358 \vspace{5pt plus 3pt minus 3pt}
4359 {\noindent #2}\
4360 }

```



7.58 xepersian-mathsdigitspec.sty

```
4361 \NeedsTeXFormat{LaTeX2e}
4362 \ProvidesPackage{xepersian-mathsdigitspec}
4363 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4364 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4365 \let\newfam\new@mathgroup
4366 \def\select@group#1#2#3#4{%
4367   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4368   {%
4369     \ifmmode
4370       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4371         \begingroup
4372           \escapechar\m@ne
4373           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4374           \globaldefs\@ne \math@fonts
4375         \endgroup
4376         \init@restore@version
4377         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4378           {\number\csname c@mv@\math@version\endcsname}}%
4379         \global\advance\csname c@mv@\math@version\endcsname\@ne
4380       \else
4381         \let#1\relax
4382         \latex@error{Too many math alphabets used in
4383           version \math@version}%
4384         \@eha
4385       \fi
4386     \else \expandafter\non@alpherr\fi
4387     #1{#4}%
4388   }%
4389 }
4390 \def\document@select@group#1#2#3#4{%
4391   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4392   {%
4393     \ifmmode
4394       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4395         \begingroup
4396           \escapechar\m@ne
4397           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4398           \globaldefs\@ne \math@fonts
4399         \endgroup
4400         \expandafter\extract@alph@from@version
4401           \csname mv@\math@version\expandafter\endcsname
4402         \expandafter{\number\csname
4403           c@mv@\math@version\endcsname}%
4404         #1%
4405         \global\advance\csname c@mv@\math@version\endcsname\@ne
4406       \else
4407         \let#1\relax
4408         \latex@error{Too many math alphabets used
```



```

4409             in version \math@version}%
4410         \@eha
4411     \fi
4412 \else \expandafter\non@alpherr\fi
4413 #1{#4}%
4414 }%
4415 }
4416 \ExplSyntaxOn
4417 \bool_set_false:N \g__fontspec_math_bool
4418 \tl_map_inline:nn
4419 {
4420   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4421   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4422   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4423   \version@list\version@elt\alpha@list\alpha@elt
4424   \restore@mathversion\init@restore@version\dorestore@version\process@table
4425   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4426   \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4427   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4428   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4429   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4430   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4431   \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4432   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4433 }
4434 {
4435   \tl_remove_once:Nn \@preamblecmds {\do#1}
4436 }
4437 \ExplSyntaxOff
4438 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitSpec}{#1}}
4439 \newcommand\SetMathCode[4]{%
4440   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4441 \newcommand\SetMathCharDef[4]{%
4442   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4443 \ExplSyntaxOn
4444 \cs_new_eq:NN \orig_mathbf:n \mathbf
4445 \cs_new_eq:NN \orig_mathit:n \mathit
4446 \cs_new_eq:NN \orig_mathrm:n \mathrm
4447 \cs_new_eq:NN \orig_mathsf:n \mathsf
4448 \cs_new_eq:NN \orig_mathtt:n \mathtt
4449 \NewDocumentCommand \new@mathbf { m } {
4450   \orig_mathbf:n {
4451     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4452       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4453     }
4454     #1
4455   }
4456 }
4457 \NewDocumentCommand \new@mathit { m } {
4458   \orig_mathit:n {

```



```

4459 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4460   \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4461 }
4462 #1
4463 }
4464 }
4465 \NewDocumentCommand \new@mathrm { m } {
4466 \orig_mathrm:n {
4467   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4468     \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4469   }
4470   #1
4471 }
4472 }
4473 \NewDocumentCommand \new@mathsf{ m } {
4474 \orig_mathsf:n {
4475   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4476     \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4477   }
4478   #1
4479 }
4480 }
4481 \NewDocumentCommand \new@mathhtt{ m } {
4482 \orig_mathhtt:n {
4483   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4484     \mathcode ##1 = \numexpr "100 * \symnew@mathhtt@font@digits + ##1 \relax
4485   }
4486   #1
4487 }
4488 }
4489
4490 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
4491 {
4492   \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4493 }
4494 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4495 {
4496   \let\glb@currsizel\relax
4497   \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4498   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4499   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4500   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4501   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4502   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4503   \def\persianmathsdigits{%
4504     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4505     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4506     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4507     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4508     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}

```



```

4509 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4510 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4511 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4512 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4513 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4514 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

4515 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4516 \tl_set_eq:NN \mathbf \new@mathbf
4517 \tl_set_eq:NN \mathit \new@mathit
4518 \tl_set_eq:NN \mathrm \new@mathrm
4519 }
4520
4521
4522 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4523 {
4524   \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4525 }
4526 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4527 {
4528   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4529   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4530   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4531 }
4532
4533
4534
4535 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4536 {
4537   \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4538 }
4539 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4540 {
4541   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4542   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4543   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4544 }
4545
4546 \ExplSyntaxOff
4547 \ifx\newcommand\undefined\else
4548   \newcommand{\ZifferAn}{}
4549 \fi
4550 \mathchardef\ziffer@DotOri="013A
4551 {\ZifferAn
4552 \catcode\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4553 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4554 \def\ziffer@check#1#2{%
4555   \ifx\n1\endgroup#1\else
4556     \ifx\n2\endgroup#1\else
4557       \ifx\n3\endgroup#1\else

```



```

4558     \ifx\n4\endgroup#1\else
4559     \ifx\n5\endgroup#1\else
4560     \ifx\n6\endgroup#1\else
4561     \ifx\n7\endgroup#1\else
4562     \ifx\n8\endgroup#1\else
4563     \ifx\n9\endgroup#1\else
4564     \ifx\n0\endgroup#1\else
4565     \ifx\n\overline\endgroup#1\else
4566     \endgroup#2%
4567     \fi
4568     \fi
4569     \fi
4570     \fi
4571     \fi
4572     \fi
4573     \fi
4574     \fi
4575     \fi
4576     \fi
4577 \fi}
4578 \mathcode`.="8000\relax
4579 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4580 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4581 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4582 \def\DefaultMathsDigits{%
4583   \DefaultInlineMathsDigits%
4584   \DefaultDisplayMathsDigits%
4585 }
4586 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4587 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4588 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4589 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4590 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4591 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4592 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4593 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4594 \def\PersianMathsDigits{%
4595   \PersianInlineMathsDigits%
4596   \PersianDisplayMathsDigits%
4597 }
4598 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
4599 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4600 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4601 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4602 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4603 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4604 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4605 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4606 \def\AutoMathsDigits{%
4607   \AutoInlineMathsDigits%

```



```

4608 \AutoDisplayMathsDigits%
4609 }
4610 \AutoMathsDigits
4611 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
4612 \let\SetDisplayMathsDigits\relax%
4613 }
4614 \g@addto@macro\document{\everydisplay\expandafter{%
4615 \the\everydisplay\SetDisplayMathsDigits%
4616 \let\SetInlineMathsDigits\relax%
4617 }}

```

7.59 xepersian-multiplechoice.sty

```

4618 \NeedsTeXFormat{LaTeX2e}
4619 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4620 Multiple Choice Questionnaire class for Persian in XeLaTeX]
4621 \RequirePackage{pifont}
4622 \RequirePackage{fullpage}
4623 \RequirePackage{ifthen}
4624 \RequirePackage{calc}
4625 \RequirePackage{verbatim}
4626 \RequirePackage{tabularx}
4627 \def\@headerfont{\bfseries}
4628 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4629 \def\@X{X}
4630 \newcommand\X[1]{\gdef\@X{#1}}
4631 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4632 \newcolumnntype{D}{>{\pbs\centering}X}
4633 \newcolumnntype{Q}{>{\@headerfont}X}
4634
4635 \renewcommand\tabularxcolumn[1]{m{#1}}
4636 \newcommand\makeform@nocorrection{%
4637 \addtocontents{frm}{\protect\end{tabularx}}
4638 \@starttoc{frm}}
4639 \newcommand\makeform@correction{%
4640 \addtocontents{frm}{\protect\end{tabularx}}}
4641 \newcommand\makemask@nocorrection{%
4642 \addtocontents{msk}{\protect\end{tabularx}}
4643 \@starttoc{msk}}
4644 \newcommand\makemask@correction{%
4645 \addtocontents{msk}{\protect\end{tabularx}}}
4646 \newlength\questionspace
4647 \setlength\questionspace{0pt}
4648 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4649 \def\@answerstitlefont{\bfseries}
4650 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4651 \def\@answernumberfont{\bfseries}
4652 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4653 \newcounter{question}\stepcounter{question}
4654 \newcounter{@choice}

```




```

4655 \def\@initorcheck{%
4656   \xdef\@choices{\the@choice}%
4657   \setcounter{@choice}{1}%
4658   \gdef\@arraydesc{|Q||}%
4659   \gdef\@headerline{%
4660     \whiledo{\not{\value{@choice}>\@choices}}{
4661       \xdef\@arraydesc{\@arraydesc D|}
4662       \def\@appendheader{\g@addto@macro\@headerline}
4663       \@appendheader{&\protect\@headerfont}
4664       \edef\@the@choice{\alph{@choice}}
4665       \expandafter\@appendheader\@the@choice
4666       \stepcounter{@choice}}%
4667   \addtocontents{frm}{%
4668     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4669     \protect\hline
4670     \@headerline\protect\\protect\hline\protect\hline}%
4671   \addtocontents{msk}{%
4672     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4673     \protect\hline
4674     \@headerline\protect\\protect\hline\protect\hline}%
4675   \gdef\@initorcheck{%
4676     \ifthenelse{\value{@choice} = \@choices}{}{%
4677       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4678         (\the@choice\space instead of \@choices)}{%
4679         Questions must all have the same number of proposed answers.%
4680         \MessageBreak
4681         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4682 \newenvironment{question}[1]{%
4683   %% \begin{question}
4684   \begin{minipage}{\textwidth}
4685     \xdef\@formanswerline{\@questionheader}%
4686     \xdef\@maskanswerline{\@questionheader}%
4687     \fbox{\parbox[c]{\linewidth}{#1}}
4688     \vspace\questionspace\par
4689     {\@answerstitlefont\@answerstitle}
4690     \begin{list}{\@answernumberfont\alph{@choice)}~}{\usecounter{@choice}}}{%
4691   %% \end{question}
4692     \end{list}
4693     \@initorcheck%
4694     \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4695     \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4696   \end{minipage}
4697   \stepcounter{question}}
4698 \def\@truesymbol{\ding{52}~}
4699 \def\@falsesymbol{\ding{56}~}
4700 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4701 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4702 \def\@true@nocorrection{\item}
4703 \def\@false@nocorrection{\item}
4704 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}

```



```

4705 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4706 \newcommand\true{%
4707   \xdef\@formanswerline{\@formanswerline&}%
4708   \xdef\@maskanswerline{\@maskanswerline&\@X}%
4709   \@true}%
4710 \newcommand\false{%
4711   \xdef\@formanswerline{\@formanswerline&}%
4712   \xdef\@maskanswerline{\@maskanswerline&}%
4713   \@false}%
4714 \def\@correctionstyle{\itshape}
4715 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4716 \newenvironment{correction}{\@correctionstyle}{}
4717 \def\@questionheader{ \thequestion}
4718 \answerstitle{   {:
4719 \DeclareOption{nocorrection}{%
4720   \let\@true\@true@nocorrection
4721   \let\@false\@false@nocorrection
4722   \let\correction\comment
4723   \let\endcorrection\endcomment
4724   \def\makeform{\makeform@nocorrection}
4725   \def\makemask{\makemask@nocorrection}}
4726 \DeclareOption{correction}{%
4727   \let\@true\@true@correction
4728   \let\@false\@false@correction
4729   \let\correction\@correction
4730   \let\endcorrection\end@correction
4731   \def\makeform{\makeform@correction}
4732   \def\makemask{\makemask@correction}}
4733 \ExecuteOptions{nocorrection}
4734 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4735 \def\@questiontitlefont{\bfseries}
4736 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4737 \newlength\questiontitlespace
4738 \setlength\questiontitlespace{5pt}
4739 \newlength\questionsepspace
4740 \setlength\questionsepspace{20pt}
4741 \gdef\@questionsepspace{0pt}
4742 \let\old@question\question
4743 \let\old@endquestion\endquestion
4744 \renewenvironment{question}[1]{%
4745   %% \begin{question}
4746   \vspace\@questionsepspace
4747   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4748   \nopagebreak\vspace\questiontitlespace\par
4749   \old@question{#1}}{%
4750   %% \end{question}
4751   \old@endquestion
4752   \gdef\@questionsepspace{\questionsepspace}}
4753 \questiontitle{ \thequestion:}
4754 \ProcessOptions

```



7.60 xepersian-persiancal.sty

```
4755 \NeedsTeXFormat{LaTeX2e}
4756 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4757
4758 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4759 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4760 \newcount\XePersian@latini \newcount\XePersian@persiani
4761 \newcount\XePersian@latinii \newcount\XePersian@persianii
4762 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4763 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4764 \newcount\XePersian@latinv \newcount\XePersian@persianv
4765 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4766 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4767 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4768 \newcount\XePersian@latinix \newcount\XePersian@persianix
4769 \newcount\XePersian@latinx \newcount\XePersian@persianx
4770 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4771 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4772 \newcount\XePersian@persianxiii
4773
4774 \newcount\XePersian@temp
4775 \newcount\XePersian@temptwo
4776 \newcount\XePersian@tempthree
4777 \newcount\XePersian@yModHundred
4778 \newcount\XePersian@thirtytwo
4779 \newcount\XePersian@dn
4780 \newcount\XePersian@sn
4781 \newcount\XePersian@mminusone
4782
4783
4784 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4785 \XePersian@temp=\XePersian@y
4786 \divide\XePersian@temp by 100\relax
4787 \multiply\XePersian@temp by 100\relax
4788 \XePersian@yModHundred=\XePersian@y
4789 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4790 \ifodd\XePersian@yModHundred
4791 \XePersian@leapfalse
4792 \else
4793 \XePersian@temp=\XePersian@yModHundred
4794 \divide\XePersian@temp by 2\relax
4795 \ifodd\XePersian@temp\XePersian@leapfalse
4796 \else
4797 \ifnum\XePersian@yModHundred=0%
4798 \XePersian@temp=\XePersian@y
4799 \divide\XePersian@temp by 400\relax
4800 \multiply\XePersian@temp by 400\relax
4801 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4802 \else\XePersian@leaptrue
```



```

4803     \fi
4804   \fi
4805 \fi
4806 \XePersian@latini=31\relax
4807 \ifXePersian@leap
4808   \XePersian@latinii = 29\relax
4809 \else
4810   \XePersian@latinii = 28\relax
4811 \fi
4812 \XePersian@latiniii = 31\relax
4813 \XePersian@latiniv = 30\relax
4814 \XePersian@latinv = 31\relax
4815 \XePersian@latinvi = 30\relax
4816 \XePersian@latinvii = 31\relax
4817 \XePersian@latinviii = 31\relax
4818 \XePersian@latinix = 30\relax
4819 \XePersian@latinx = 31\relax
4820 \XePersian@latinxi = 30\relax
4821 \XePersian@latinxii = 31\relax
4822 \XePersian@thirtytwo=32\relax
4823 \XePersian@temp=\XePersian@y
4824 \advance\XePersian@temp by -17\relax
4825 \XePersian@temptwo=\XePersian@temp
4826 \divide\XePersian@temptwo by 33\relax
4827 \multiply\XePersian@temptwo by 33\relax
4828 \advance\XePersian@temp by -\XePersian@temptwo
4829 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
4830 \else
4831   \XePersian@temptwo=\XePersian@temp
4832   \divide\XePersian@temptwo by 4\relax
4833   \multiply\XePersian@temptwo by 4\relax
4834   \advance\XePersian@temp by -\XePersian@temptwo
4835   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
4836 \fi
4837 \XePersian@tempthree=\XePersian@y % Number of Leap years
4838 \advance\XePersian@tempthree by -1
4839 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4840 \divide\XePersian@temp by 4\relax
4841 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4842 \divide\XePersian@temptwo by 100\relax
4843 \advance\XePersian@temp by -\XePersian@temptwo
4844 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4845 \divide\XePersian@temptwo by 400\relax
4846 \advance\XePersian@temp by \XePersian@temptwo
4847 \advance\XePersian@tempthree by -611 % Number of Kabise years
4848 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4849 \divide\XePersian@temptwo by 33\relax
4850 \multiply\XePersian@temptwo by 8\relax
4851 \advance\XePersian@temp by -\XePersian@temptwo
4852 \XePersian@temptwo=\XePersian@tempthree %

```



```

4853 \divide\XePersian@temptwo by 33\relax
4854 \multiply\XePersian@temptwo by 33\relax
4855 \advance\XePersian@tempthree by -\XePersian@temptwo
4856 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
4857 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4858 \advance\XePersian@temp by -\XePersian@tempthree
4859 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4860 \XePersian@persiani=31
4861 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4862 \XePersian@persianii = 30\relax
4863 \ifXePersian@kabiseh
4864 \XePersian@persianiii = 30\relax
4865 \else
4866 \XePersian@persianiii = 29\relax
4867 \fi
4868 \XePersian@persianiv = 31\relax
4869 \XePersian@persianv = 31\relax
4870 \XePersian@persianvi = 31\relax
4871 \XePersian@persianvii = 31\relax
4872 \XePersian@persianviii= 31\relax
4873 \XePersian@persianix = 31\relax
4874 \XePersian@persianx = 30\relax
4875 \XePersian@persianxi = 30\relax
4876 \XePersian@persianxii = 30\relax
4877 \XePersian@persianxiii= 30\relax
4878 \XePersian@dn= 0\relax
4879 \XePersian@sn= 0\relax
4880 \XePersian@mminusone=\XePersian@m
4881 \advance\XePersian@mminusone by -1\relax
4882 \XePersian@i=0\relax
4883 \ifnum\XePersian@i < \XePersian@mminusone
4884 \loop
4885 \advance \XePersian@i by 1\relax
4886 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4887 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4888 \fi
4889 \advance \XePersian@dn by \XePersian@d
4890 \XePersian@i=1\relax
4891 \XePersian@sn = \XePersian@persiani
4892 \ifnum \XePersian@sn<\XePersian@dn
4893 \loop
4894 \advance \XePersian@i by 1\relax
4895 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4896 \ifnum \XePersian@sn<\XePersian@dn \repeat
4897 \fi
4898 \ifnum \XePersian@i < 4
4899 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4900 \advance \XePersian@y by -622\relax
4901 \else
4902 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax

```



```

4903 \advance \XePersian@y by -621\relax
4904 \fi
4905 \advance \XePersian@sn by -\csname XePersian@persian\romannumeral\the \XePersian@i%
4906 \endcsname
4907 \ifnum \XePersian@i = 1
4908 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance \XePersian@d by -\XePersian@
4909 \else
4910 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4911 \fi
4912 \newcommand*{\persiantoday}{%
4913 \number \XePersian@d \space%
4914 \XePersian@persian@month{\XePersian@m} \space \number \XePersian@y%
4915 }
4916 \let \persianyear \XePersian@y
4917 \let \persianmonth \XePersian@m
4918 \let \persianday \XePersian@d
4919 \def \XePersian@persian@month#1{\ifcase#1\or or\
4920 or\
4921 or\ or\
4922 or\
4923 or\ or\
4924 or\ or\
4925 or\ or\
4926 \fi\

```



Index

Symbols	
\!	2180
\%	4514
\.	4552
\@and	2948
\@if@newlist	1304, 1324
\@math	166
\@maybeautodot	2395, 2396, 2414, 2429, 2430, 2448, 2459, 2460, 2478
\@par	1707
\@Abjad	1209, 2956, 2964, 2965, 3422, 3423
\@Alph	2408, 2442, 2472, 3222, 3225, 3418, 3423
\@DeclareMathDelimiter	4430
\@DeclareMathSizes	4421
\@False	154, 156
\@Kashida@onfalse	1447
\@Kashida@ontrue	1446
\@LTRfootnotetext	1737
\@LTRmarginparreset	2862
\@Latincitex	73, 74, 1971, 1980, 2170, 2870, 2871
\@M	170, 2998, 3099, 3194
\@Mi	166
\@Mii	1630
\@Miii	1632
\@RTL@footnotefalse	2853, 2857, 3355
\@RTL@footnotetrue	2855, 2858, 3353
\@RTLfalse	136, 148, 161, 3308, 3315, 3337
\@RTLfootnotetext	1738
\@RTLtabfalse	3323
\@RTLtabtrue	3321
\@RTLtrue	3306, 3313, 3335
\@Roman	2410, 2444, 2474
\@SepMark	1566
\@SetTab	2484
\@True	149, 155
\@X	4629, 4630, 4708
\@abjad	1210, 3183, 3202, 3203, 3417, 3418
\@acol	1862, 1870
\@acolampacol	1860, 1862, 1868, 1870
\@adadi	1207, 2406, 2440, 2470, 2972, 2974, 2977
\@addamp	1861, 1869
\@addtopreamble	1829
\@alph	2409, 2443, 2473, 2485, 3221, 3224, 3417, 3422
\@ampacol	1860, 1868
\@answernumberfont	4651, 4652, 4690
\@answerstitle	4648, 4689
\@answerstitlefont	4649, 4650, 4689
\@appendheader	4662, 4663, 4665
\@arrayclassz	1860
\@arraydesc	4658, 4661, 4668, 4672
\@arrayrule	1808, 1809, 1810, 1852, 1853, 1854
\@author	3768, 3780
\@autodottrue	2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476
\@auxout	2876, 3443, 3447
\@begin@tempboxa	1707
\@biblabel	1972, 1981
\@bibsetup	1973, 1982
\@bidi@list@minipage@parbox@not@nobtrue	1704, 1726

<code>\@bidi@list@minipage@parboxtrue</code>	3637, 3870
.....	1705, 1727
<code>\@bidi@strip@v@xepersianversion</code>	3869, 3883
.	2548, 2550, 2556, 2562
<code>\@bidityftesidenote@LTRmarginfont</code>	3598, 3601, 3653
.....	86
<code>\@bidityftesidenote@RTLmarginfont</code>	3771, 3781
.....	88
<code>\@bsphack</code>	148
<code>\@capttype</code>	161, 1680, 1927, 1937
<code>\@cclvi</code>	4364, 4370, 4394
<code>\@chapapp</code>	30, 102, 113, 120, 132, 1285, 1297, 1572, 2362, 2369, 2376, 2384, 2425, 2455
<code>\@chclass</code>	1742, 1750, 1758, 1773, 1787, 1792, 1807, 1823, 1843, 1851, 1881, 1904, 1918
<code>\@chnum</code>	1744, 1745, 1746, 1747, 1748, 1749, 1759, 1766, 1780, 1793, 1800, 1816, 1829, 1845, 1846, 1847, 1848, 1849, 1850, 1864, 1872, 1882, 1889, 1911
<code>\@choices</code>	4656, 4660, 4676, 4678
<code>\@cite</code>	1959, 1966, 1978, 1994, 2083, 2873
<code>\@cite@ofmt</code>	2881
<code>\@citea</code>	1999, 2013, 2027, 2036, 2037, 2038, 2043, 2058, 2066, 2067, 2068, 2102, 2118, 2136, 2872, 2874
<code>\@citeb</code>	1995, 1997, 1999, 2002, 2004, 2005, 2007, 2030, 2061, 2084, 2086, 2088, 2091, 2093, 2094, 2096, 2873, 2875, 2876, 2877, 2880, 2881
<code>\@citex</code>	1970, 1979
<code>\@classx</code>	1826
<code>\@classz</code>	1826
<code>\@correction</code>	4729
<code>\@correctionstyle</code>	4714, 4715, 4716
<code>\@ctrerr</code>	2963, 2968
<code>\@currbox</code>	1637, 1683, 1687, 1926, 1930, 1936, 1940
<code>\@currenvir</code>	2244, 2246, 2247
<code>\@customlogo</code>	3868, 3877
<code>\@custommagazinenam</code>	3637, 3870
<code>\@customminilogo</code>	3869, 3883
<code>\@customwwwTxt</code>	3598, 3601, 3653
<code>\@date</code>	3771, 3781
<code>\@dgroup</code>	148
<code>\@dmath</code>	136, 165
<code>\@doendpe</code>	2261
<code>\@dseries</code>	161
<code>\@eha</code>	4384, 4410
<code>\@empty</code>	151, 1624, 1984, 1994, 1997, 2083, 2086, 2215, 2872, 2875, 3057, 3063, 3066, 3069, 3174, 3779, 3780, 3781, 3782
<code>\@emptytoks</code>	150
<code>\@enGroup</code>	1199
<code>\@enLabel</code>	1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197
<code>\@enOther</code>	1201
<code>\@enSpace</code>	1198
<code>\@end@tempboxa</code>	1722
<code>\@endpbox</code>	1836, 1837
<code>\@enhook</code>	1202
<code>\@enloop@</code>	1189
<code>\@entemp</code>	1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200
<code>\@enum@</code>	1200
<code>\@extra@b@citeb</code>	1999, 2005, 2007, 2030, 2061, 2088, 2094, 2096
<code>\@extrafootnotefeaturesfalse</code>	3375
<code>\@extrafootnotefeaturestrue</code>	3373
<code>\@false</code>	4713, 4721, 4728
<code>\@false@correction</code>	4705, 4728
<code>\@false@nocorrection</code>	4703, 4721
<code>\@falsesymbol</code>	4699, 4701, 4705
<code>\@firststampfalse</code>	1862, 1870
<code>\@firstofone</code>	1382, 1383, 1997, 2086, 2875, 4367, 4391
<code>\@firstoftwo</code>	2551, 2557, 2563
<code>\@float@HH</code>	1923, 1924
<code>\@float@Hx</code>	1922, 1923
<code>\@float@</code>	1923, 1934



\@floatboxreset 1693, 1932, 1942
\@floatcapt 1927, 1937
\@floatpenalty . 1630, 1632, 1635
\@flstylefalse 1929, 1939
\@flstyletrue 1929, 1939
\@fltovf 1685
\@footnotetext 1736
\@for 1995, 2084, 2873
\@formanswerline . . . 4685, 4694,
4707, 4711
\@fps . . 1618, 1619, 1621, 1624, 1641
\@fpsaddddefault 1622, 1625
\@freelist 1637
\@gobble . . 1200, 1312, 1313, 1314,
2548
\@harfi 12, 20, 31,
34, 43, 49, 55, 61, 103, 114,
121, 133, 1208, 1275, 1286,
1298, 1404, 1573, 2363, 2370,
2377, 2385, 2392, 2405, 2426,
2439, 2456, 2469, 2966, 2969,
2970
\@headerfont . . 4627, 4628, 4633,
4663
\@headerline . . 4659, 4662, 4670,
4674
\@ifclassloaded
. . 3256, 3257, 3258, 3259,
3260, 3261, 3262, 3263, 3264,
3265, 3266, 3267, 3268, 3269,
3270, 3271, 3272, 3273, 3274,
3275, 3276, 3277, 3278, 3279,
3381, 3393, 3405
\@ifdefinable 2279, 2281
\@ifdefinitionfileloaded 1614,
1757, 1790, 1880, 1921, 3237,
3238
\@ifnextchar . . . 1923, 2164, 2170,
2870
\@ifnum 2101, 2103, 2105, 2112, 2113,
2116, 2128, 2151, 2153
\@ifpackageloaded 76, 1488,
1492, 2173, 2177, 2269, 2277,
3239, 3240, 3241, 3242, 3243,
3244, 3245, 3246, 3247, 3248,
3249, 3250, 3251, 3252, 3253,
3254, 3255, 3256
\@ifstar 2163
\@ifundefined . . . 72, 1999, 2005,
2088, 2094, 2877
\@ignoretrue 172
\@iiiminipage 1723
\@iiiparbox 1701
\@indexfile . . 3383, 3395, 3407
\@initorcheck . 4655, 4675, 4693
\@inlabelfalse 139
\@input@ 3385, 3397, 3409
\@lastchclass . . 1742, 1743, 1759,
1760, 1761, 1762, 1764, 1793,
1794, 1795, 1796, 1798, 1843,
1844, 1860, 1868, 1882, 1883,
1884, 1885, 1887
\@latex@error 4382, 4408
\@latex@warning 2879
\@latinAlph 3222, 3225
\@latinalph . . 2485, 3221, 3224,
3227
\@listdepth 1739
\@m . 1976, 2874, 2997, 3098, 3192
\@mainmatterfalse . 97, 108, 126,
1279, 2419
\@maskanswerline . . . 4686, 4695,
4708, 4712
\@memfront 1564
\@minipagefalse 2867
\@minipagerestore 1740
\@minipagetrue 2866
\@mpLTRfootnotetext 1737
\@mpRTLfootnotetext 1738
\@mpargs 1729
\@mpfn 1735
\@mpfootnotetext 1736
\@mplistdepth 1739
\@namedef 1953, 2007, 2096, 2260
\@ne 1647, 1653,
1746, 1747, 1750, 1759, 1769,
1770, 1774, 1793, 1803, 1804,
1808, 1809, 1810, 1847, 1848,
1852, 1853, 1854, 1882, 1892,
1893, 1905, 2101, 2113, 2115,
2128, 2136, 2917, 2984, 3025,
3032, 3044, 3049, 3085, 3126,



	3133, 3145, 3150, 4374, 4379, 4398, 4405		
\@newlistfalse	1305	\@resets@pp	24, 1388, 1389
\@next	1637	\@roman	2411, 2445, 2475
\@nextchar	1765, 1767, 1768, 1769, 1770, 1771, 1772, 1774, 1775, 1776, 1777, 1778, 1781, 1782, 1783, 1784, 1785, 1786, 1799, 1801, 1802, 1803, 1804, 1805, 1806, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1817, 1818, 1819, 1820, 1821, 1822, 1834, 1836, 1837, 1888, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1905, 1906, 1907, 1908, 1909, 1912, 1913, 1914, 1916, 1917	\@safe@activesfalse	1998, 2087
\@nextchar	1915	\@safe@activetrue	1996, 2085
\@nil	2190, 2194, 2195, 2200, 2202, 3015, 3018, 3116, 3119	\@secondoftwo	2553, 2559, 2565
\@nodocument	1616	\@setfontsize	3568, 3574, 3576, 3579, 3586, 3592, 3593, 3594, 3595, 3596
\@nonlatinfalse	2838, 3328	\@setfpsbit	1657, 1660, 1663, 1666, 1669, 1672
\@nonlatintrue	2845, 3330	\@setminipage	1741
\@onelevel@sanitize	1619	\@setnobreak	1932, 1942
\@outputbox	1322	\@sharp	1865, 1866, 1867, 1873, 1874, 1875
\@outputpage	1300	\@smemfront	1565
\@parboxrestore	1305, 1692, 1707, 1734, 1931, 1941	\@sptoken	1198
\@parboxto	1710, 1719	\@startpbox	1836, 1837
\@parmoderr	1635	\@starttoc	2933, 4638, 4643
\@pboxswfalse	1703, 1725	\@stop	2396, 2430, 2460
\@pboxswtrue	1717	\@sx@xepersian@localize@verbatim	1953
\@ppsavesec	25	\@tabclassz	1868
\@preamble	1863, 1871	\@tartibi	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1206, 1271, 1281, 1293, 1401, 1567, 1568, 2358, 2365, 2372, 2380, 2388, 2407, 2421, 2441, 2451, 2471, 3078, 3080, 3083
\@preamblecmds	4435	\@tempa	1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1204, 2200, 2202, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295
\@preamerr	1753, 1787, 1823, 1857, 1918	\@tempboxa	1730
\@questionheader	4685, 4686, 4717	\@tempc	2215, 2228, 2238, 2240, 2241, 2244, 2252
\@questionsepspace	4741, 4746, 4752	\@tempcnta	1639, 1645, 1647, 1651, 1653, 1675, 1676, 1682, 1683, 1827, 2110, 2111, 2112, 2115, 2116
\@questiontitle	4734, 4747	\@tempcntb	1680, 1681, 1682
\@questiontitlefont	4735, 4736, 4747	\@tempdima	1706, 1707, 1728, 1732
\@resetactivechars	1303	\@tempdimb	1709, 1710



<code>\@tempwafalse</code>	2128, 2870	4492, 4494, 4524, 4526, 4537, 4539
<code>\@tempwattrue</code>	2127, 2870	
<code>\@temptokena</code>	2201, 2208, 2213, 2219, 2226, 2236, 2250	<code>\|</code> 4045
<code>\@testpach</code>	1742, 1758, 1792, 1843, 1881	<code>\~</code> 2181
<code>\@tfor</code>	1640, 2285	<code>\sqcup</code> 1343, 1345, 2874, 3021, 3027, 3046, 3052, 3122, 3128, 3147, 3157, 3644, 3653
<code>\@thanks</code>	3773, 3779	
<code>\@the@choice</code>	4664, 4665	
<code>\@themargin</code>	1318	
<code>\@title</code>	3761, 3782	
<code>\@true</code>	4709, 4720, 4727	
<code>\@true@correction</code>	4704, 4727	
<code>\@true@nocorrection</code>	4702, 4720	
<code>\@truesymbol</code>	4698, 4700, 4704	
<code>\@verbatim</code>	1950, 1953, 2258, 2260, 2271	
<code>\@vobeyspaces</code>	1950, 2258	
<code>\@warning</code>	2257	
<code>\@x@xepersian@localize@verbatim</code>	1950	
<code>\@xDeclareMathDelimiter</code>	4430	
<code>\@xepersian@computeautoilgfalse</code>	3437	
<code>\@xepersian@computeautoilgtrue</code>	3435	
<code>\@xepersian@info</code>	2523, 2545, 2547	
<code>\@xfloat</code>	1615, 1922, 1923	
<code>\@xxDeclareMathDelimiter</code>	4429	
<code>\@xxxii</code>	1681	
<code>@\</code>	1594, 1595	
<code>@\</code>	1590, 1591, 1593	
<code>@\</code>	2172	
<code>] \</code>	2180	
<code>\\</code>	1947, 2180, 3729, 4044, 4045, 4307, 4310, 4359, 4631, 4670, 4674, 4694, 4695	
<code>\{</code>	1946, 2180	
<code>\}</code>	1946, 2180	
<code>\]</code>	2180	
<code>\^</code>	2181	
<code>_</code>	2600, 2602, 2621, 2623, 2644, 2646, 2662, 2664, 2711, 2713, 2732, 2734, 2753, 2755, 2774, 2776, 2795, 2797, 2816, 2818,	



<code>\adl@putlrc</code>	1831, 1832, 1833, 1865, 1866, 1867, 1873, 1874, 1875		129, 1272, 1282, 1294, 1372, 1373, 1402, 1569, 2359, 2366, 2373, 2381, 2389, 2422, 2452
<code>\adl@startmbox</code>	1834		
<code>\advance</code>	1346, 1647, 1653, 1676, 1682, 2115, 2917, 2919, 3560, 3564, 3832, 3835, 4379, 4405, 4789, 4824, 4828, 4834, 4838, 4843, 4846, 4847, 4851, 4855, 4856, 4858, 4859, 4861, 4881, 4885, 4886, 4889, 4894, 4895, 4899, 4900, 4902, 4903, 4905, 4908, 4910		
<code>\aftergroup</code>	1307, 1309		
<code>\ALG@name</code>	5, 7		
<code>\algorithmicensure</code>	3		
<code>\algorithmicrequire</code>	2		
<code>\ALGS@name</code>	6, 7		
<code>\aliasfontfeature</code>	1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556		
<code>\aliasfontfeatureoption</code>	1557, 1558, 1559, 1560, 1561, 1562		
<code>\alloc@</code>	4364		
<code>\Alph</code>	1193, 1375, 1376, 2401, 2435, 2465		
<code>\alph</code>	1194, 2402, 2436, 2466, 2492, 4664, 4690		
<code>\alpha@elt</code>	4423		
<code>\alpha@list</code>	4423		
<code>\anappendixtrue</code>	1574		
<code>\and</code>	3786		
<code>\answernumberfont</code>	4652		
<code>\answerstitle</code>	4648, 4718		
<code>\answerstitlefont</code>	4650		
<code>\appendix</code>	10, 17, 40, 46, 52, 58, 99, 110, 117,		
<code>\appendixautorefname</code>	1361		
<code>\appendixname</code>	11, 19, 30, 102, 113, 120, 132, 1285, 1297, 1403, 1572, 2362, 2369, 2376, 2384, 2425, 2455, 2942		
<code>\arabic</code>	1197		
<code>\arrayrulewidth</code>	4301		
<code>\articlesep</code>	4283		
<code>\AtBeginDocument</code>	71, 1371, 1460, 1953, 2160, 2265, 3558, 3562		
<code>\AtEndOfClass</code>	3556		
<code>\author</code>	3784		
<code>\authorandplace</code>	4257		
<code>\AutoDisplayMathsDigits</code>	3298, 4602, 4608		
<code>\autofootnoterule</code>	3341		
<code>\AutoInlineMathsDigits</code>	3290, 4598, 4607		
<code>\AutoMathsDigits</code>	3282, 4606, 4610		
B			
<code>\backrefpagesname</code>	63		
<code>\baselineskip</code>	1315, 2920, 2923, 3474, 3476, 3478, 3481, 3482, 3484		
<code>\begin</code>	2174, 2175, 2857, 2858, 2931, 3612, 3615, 3668, 3683, 3696, 3702, 3723, 3754, 3760, 3767, 3791, 3845, 3851, 3923, 3926, 3931, 3938, 3953, 3968, 3985, 4019, 4037, 4042, 4062, 4069, 4070, 4091, 4093, 4094, 4116, 4121, 4122, 4158, 4159, 4167, 4193, 4201, 4207, 4208, 4216, 4246, 4270, 4302, 4303, 4318, 4330, 4344, 4668, 4672, 4683, 4684, 4690, 4745		
<code>\beginngroup</code>	144, 1301, 1945, 2162, 2178, 2258, 2260, 2570, 2572, 4371, 4395, 4552		



<code>\beginL</code>	2867, 3644, 4045	<code>\bm@l</code>	1696
<code>\beginR</code>	3648, 3649, 3650, 3661, 3662, 3663, 3868, 3869, 3870, 3888, 3909, 3910, 3911, 3912, 3913, 3914, 4065, 4160	<code>\bm@r</code>	1697
<code>\belowdisplaysshortskip</code>	3572, 3583, 3590	<code>\bm@s</code>	1700
<code>\belowdisplayskip</code>	3570, 3581, 3588	<code>\bm@t</code>	1699
<code>\bfseries</code>	2000, 2089, 2877, 3604, 3610, 3629, 3637, 3665, 3681, 3700, 3714, 3718, 3743, 3748, 3752, 3877, 3883, 4627, 4649, 4651, 4735	<code>\bm@</code>	1699
<code>\bgroup</code>	1199, 1690, 1730, 1931, 1941, 4367, 4391	<code>\bm@</code>	1697
<code>\bibname</code>	2949	<code>\bm@</code>	1698
<code>\bidi@footnotetext@font</code>	1330	<code>\bm@</code>	1695
<code>\bidi@LTRfootnotetext@font</code>	1332	<code>\bm@</code>	1696
<code>\bidi@RTLfootnotetext@font</code>	1334	<code>\bm@</code>	1700
<code>\bidi@thebibliography@font@hook</code>	3228	<code>\bool</code>	4417
<code>\bidi@AfterEndPreamble</code>	3232	<code>\boolean</code>	3545, 3557, 3566, 3670, 3685, 3704, 3725, 3921, 3922, 3952, 3984, 4018, 4036, 4060, 4090, 4114, 4141
<code>\bidi@column@status</code>	3444, 3448	<code>\botmark</code>	1327
<code>\bidi@csdefcs</code>	787, 1486	<code>\box</code>	150, 1322
<code>\bidi@csletcs</code>	482, 1486, 1490, 1491, 1494, 1495	<code>\BR@Latincitex</code>	64, 74
<code>\bidi@firstcolumn@status@write</code>	3442, 3450	<code>\BRorg@Latincitex</code>	65, 73
<code>\bidi@font@outputpage</code>	2883	C	
<code>\bidi@isloaded</code>	1453, 1454, 1455, 1456, 1457, 1458, 1459, 1462, 1465, 1468, 1471, 1474, 1477, 1480	<code>\C</code>	2182
<code>\bidi@lastcolumn@status@write</code>	3446, 3451	<code>\c</code>	4451, 4459, 4467, 4475, 4483
<code>\bidi@newrobustcmd</code>	2851, 2852, 2935	<code>\c@book</code>	1567
<code>\bidi@patchcmd</code>	3473	<code>\c@chapter</code>	18, 20, 31, 103, 114, 121, 133, 1286, 1298, 1573, 2363, 2370, 2377, 2385, 2426, 2456
<code>\bidi@reflect@box</code>	2936	<code>\c@mpfootnote</code>	1735, 3227
<code>\blacktriangleleft</code>	1341, 1343	<code>\c@part</code>	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1401, 1568, 2358, 2365, 2372, 2380, 2388, 2421, 2451
<code>\blacktriangleright</code>	1341, 1343	<code>\c@section</code>	10, 12, 18, 34, 43, 49, 55, 61, 1275, 1402, 1404, 2392
<code>\bm@b</code>	1698	<code>\c@subsection</code>	10, 1402
<code>\bm@c</code>	1695	<code>\catcode</code>	1484, 1945, 1946, 1947, 2181, 4552
		<code>\ccname</code>	2951
		<code>\cdp@elt</code>	4420
		<code>\cdp@list</code>	4420
		<code>\centering</code>	3807, 4095, 4632
		<code>\cftchapname</code>	2504
		<code>\cftfigname</code>	2510
		<code>\cftparaname</code>	2508
		<code>\cftsecname</code>	2505



<code>\cftsubfigname</code>	2511		
<code>\cftsubparaname</code>	2509		
<code>\cftsubsecname</code>	2506		
<code>\cftsubsubsecname</code>	2507		
<code>\cftsubtabname</code>	2513		
<code>\cfttabname</code>	2512		
<code>\chapterautorefname</code>	1362		
<code>\chaptername</code>	19, 2950		
<code>\chardef</code>	1407, 1409, 1410, 1411, 1412, 1413, 2889, 4364		
<code>\charlist</code>	1418, 1419, 1421, 1425		
<code>\citation</code>	2876		
<code>\citenumfont</code>	2139		
<code>\citeyear</code>	1961		
<code>\citeyearpar</code>	1961		
<code>\ClassError</code>	3942, 3974, 4008, 4028, 4049, 4074, 4099, 4125, 4148, 4677		
<code>\ClassWarning</code>	3527, 3529, 3531, 3801, 3815		
<code>\cleardoubleoddpage</code>	2418		
<code>\cleardoublepage</code>	15, 96, 107, 125, 1278		
<code>\clearpage</code>	2418, 3905		
<code>\closeout</code>	3383, 3395, 3407		
<code>\color@begingroup</code>	1731		
<code>\color@vbox</code>	1688, 1930, 1940		
<code>\columnlines</code>	3501, 3502, 3534, 3863		
<code>\columnsep</code>	3797, 4220		
<code>\columnseprule</code>	3863		
<code>\columntitle</code>	4214		
<code>\columnwidth</code>	1691, 1733, 1931, 1941, 3796, 4219		
<code>\comment</code>	4722		
<code>\contentsname</code>	2931, 2939		
<code>\copyright</code>	3653		
<code>\correction</code>	4722, 4729		
<code>\correctionstyle</code>	4715		
<code>\count</code>	1683, 3831, 3832, 3834, 3835, 3844, 3850		
<code>\count@</code>	1827		
<code>\cs</code>	2268, 2270, 2602, 2623, 2646, 2648, 2653, 2664, 2666, 2671, 2713, 2734, 2755, 2776, 2797, 2818, 4444, 4445, 4446, 4447, 4448, 4494, 4526, 4539		
<code>\csname</code>	1487, 1680, 1720, 1925, 1928, 1935, 1938, 1955, 2262, 2279, 2280, 2281, 2282, 2283, 2393, 2427, 2457, 2571, 2574, 2580, 2582, 2881, 2964, 2969, 2972, 3078, 3202, 4370, 4373, 4378, 4379, 4394, 4397, 4401, 4402, 4405, 4440, 4442, 4886, 4895, 4905		
<code>\currenttime</code>	3627		
<code>\customlogo</code>	3868		
<code>\custommagazinename</code>	3870		
<code>\customminilogo</code>	3869		
<code>\customwwwTxt</code>	3598		
D			
<code>\d@llarbegin</code>	1831, 1832, 1833		
<code>\d@llarend</code>	1831, 1832, 1833		
<code>\date</code>	3626, 3637, 3785, 4254		
<code>\datename</code>	2947		
<code>\day</code>	4784		
<code>\decimalseparator</code>	4515, 4579		
<code>\DeclareDocumentCommand</code>	2598, 2619, 2642, 2660, 2709, 2730, 2751, 2772, 2793, 2814, 4490, 4522, 4535		
<code>\DeclareMathAccent</code>	4428		
<code>\DeclareMathAlphabet</code>	4427		
<code>\DeclareMathDelimiter</code>	4429		
<code>\DeclareMathRadical</code>	4431		
<code>\DeclareMathSizes</code>	4420		
<code>\DeclareMathSymbol</code>	4428		
<code>\DeclareMathVersion</code>	4422		
<code>\DeclareOption</code>	3523, 3524, 3525, 3526, 3528, 3530, 3532, 3533, 3534, 3535, 3536, 4719, 4726		
<code>\DeclareOptionX</code>	3426		
<code>\DeclareRobustCommand</code>	2161, 2606, 2626, 2651, 2669, 2684, 2687, 2690, 2693, 2696, 2699, 2717, 2738, 2759, 2780, 2801, 2822, 2869		
<code>\DeclareSymbolFont</code>	4425, 4499, 4500, 4501,		



	4502, 4529, 4542		3223, 3227, 3416, 3421, 3442,
<code>\DeclareSymbolFontAlphabet</code>	...		3446, 3598, 3868, 3869, 3870,
	4432		4364, 4366, 4390, 4503, 4530,
<code>\DeclareSymbolFontAlphabet@</code>	...		4543, 4553, 4554, 4579, 4580,
	4432		4581, 4582, 4586, 4590, 4594,
<code>\DeclareTextFontCommand</code>	...		4598, 4602, 4606, 4627, 4629,
	2702, 2703, 2704, 2705,		4631, 4649, 4651, 4655, 4662,
	2706, 2707		4698, 4699, 4702, 4703, 4704,
<code>\def</code>	2, 3, 5, 6, 7, 10,		4705, 4714, 4717, 4724, 4725,
	12, 15, 17, 20, 63, 64, 77, 92,		4731, 4732, 4735, 4919
	136, 148, 161, 168, 172, 1189,	<code>\def@NAT@last@yr</code>	...
	1190, 1191, 1192, 1193, 1194,		2118, 2120
	1195, 1196, 1197, 1300, 1338,	<code>\DefaultDisplayMathsDigits</code>	...
	1340, 1342, 1344, 1355, 1356,		3300, 4581, 4584
	1357, 1358, 1359, 1360, 1361,	<code>\defaultfontfeatures</code>	...
	1362, 1363, 1364, 1365, 1366,		3427
	1367, 1368, 1369, 1370, 1373,	<code>\DefaultInlineMathsDigits</code>	3292,
	1384, 1389, 1402, 1404, 1415,		4580, 4583
	1418, 1420, 1421, 1426, 1450,	<code>\DefaultMathsDigits</code>	3284, 4582
	1451, 1577, 1578, 1579, 1580,	<code>\define@choicekey</code>	...
	1581, 1582, 1583, 1584, 1585,		3280, 3288, 3296, 3304,
	1615, 1617, 1618, 1620, 1701,		3311, 3319, 3326, 3333, 3339,
	1723, 1729, 1735, 1742, 1758,		3351, 3357, 3363, 3367, 3371,
	1792, 1826, 1839, 1840, 1843,		3377, 3390, 3402, 3414, 3433,
	1860, 1868, 1876, 1877, 1881,		3440
	1923, 1924, 1927, 1934, 1937,	<code>\define@key</code>	...
	1950, 1951, 1960, 1963, 1975,		2284
	1976, 1986, 1989, 2002, 2017,	<code>\define@mathalphabet</code>	...
	2047, 2079, 2083, 2108, 2170,		4422
	2184, 2188, 2190, 2191, 2194,	<code>\define@mathgroup</code>	...
	2200, 2202, 2204, 2220, 2223,		4422
	2239, 2240, 2243, 2256, 2258,	<code>\deflatinfont</code>	...
	2261, 2278, 2515, 2516, 2567,		2660
	2568, 2569, 2575, 2576, 2580,	<code>\defpersianfont</code>	...
	2837, 2844, 2853, 2854, 2855,		2642
	2856, 2860, 2861, 2862, 2871,	<code>\depth</code>	...
	2874, 2937, 2938, 2939, 2940,		2292, 2293
	2941, 2942, 2943, 2944, 2945,	<code>\dimexpr</code>	...
	2946, 2947, 2948, 2949, 2950,		2923
	2951, 2952, 2953, 2954, 2955,	<code>\ding</code>	...
	2956, 2964, 2966, 2969, 2978,		4698, 4699
	2983, 2992, 3018, 3031, 3042,	<code>\display@setup</code>	...
	3056, 3062, 3065, 3068, 3072,		137, 162
	3084, 3093, 3119, 3132, 3143,	<code>\divide</code>	...
	3161, 3166, 3173, 3183, 3202,		3837, 3838, 4786, 4794,
	3204, 3205, 3209, 3213, 3217,		4799, 4826, 4832, 4840, 4842,
			4845, 4849, 4853, 4857
		<code>\do</code>	...
			1642, 1995, 2084, 2285, 2873,
			4435
		<code>\document</code>	...
			4614
		<code>\document@select@group</code>	...
			4390
		<code>\dorestore@version</code>	...
			4424
		<code>\dosetclass</code>	...
			1419, 1420, 1424
		<code>\doublebox</code>	...
			4176, 4229
		<code>\dquad</code>	...
			170, 172
		<code>\dseries@display@setup</code>	...
			162



E	
<code>\edef</code>	1710, 1765, 1799, 1863, 1871, 1888, 1997, 2086, 2246, 2523, 2546, 2548, 2574, 2577, 2875, 4664
<code>\edition</code>	3895
<code>\editionFormat</code>	3604, 3607
<code>\editorialAuthorFormat</code> . .	3747, 4311
<code>\editorialTitleFormat</code> . . .	3745, 3746
<code>\else</code>	2, 3, 5, 7, 32, 63, 92, 140, 170, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 1200, 1289, 1330, 1341, 1343, 1345, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1423, 1450, 1451, 1461, 1464, 1467, 1470, 1473, 1476, 1479, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1623, 1631, 1636, 1646, 1652, 1705, 1708, 1713, 1714, 1715, 1716, 1717, 1727, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1759, 1760, 1761, 1763, 1764, 1767, 1768, 1769, 1770, 1771, 1772, 1774, 1775, 1776, 1777, 1778, 1781, 1782, 1783, 1784, 1785, 1786, 1793, 1794, 1795, 1797, 1798, 1801, 1802, 1803, 1804, 1805, 1806, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1817, 1818, 1819, 1820, 1821, 1822, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1852, 1853, 1854, 1855, 1856, 1857, 1882, 1883, 1884, 1886, 1887, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1905, 1906, 1907, 1908, 1909, 1912, 1913, 1914, 1915, 1916, 1917, 1929, 1939, 1964, 1977, 2009, 2014, 2023, 2026, 2040, 2044, 2053, 2057, 2060, 2072, 2076, 2077, 2098, 2119, 2133, 2135, 2138, 2152, 2154, 2165, 2188, 2199, 2212, 2214, 2217, 2232, 2234, 2240, 2248, 2256, 2283, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2397, 2418, 2431, 2461, 2488, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2552, 2558, 2564, 2591, 2883, 2898, 2909, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2963, 2968, 2986, 2988, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3021, 3036, 3050, 3063, 3066, 3087, 3089, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3122, 3137, 3150, 3151, 3154, 3185, 3187, 3189, 3191, 3193, 3386, 3398, 3410, 3483, 3814, 4292, 4367, 4380, 4386, 4391, 4406, 4412, 4547, 4555, 4556, 4557, 4558, 4559, 4560, 4561, 4562, 4563, 4564, 4565, 4579, 4587, 4588, 4589, 4591, 4592, 4593, 4599, 4600, 4601, 4603, 4604, 4605, 4792, 4796, 4801, 4802, 4809, 4830, 4835, 4865, 4901, 4909
<code>\empty</code>	1422
<code>\enclname</code>	2952
<code>\encodingdefault</code> . . . . .	. . . . . 2614, 2634, 2725, 2746, 2767, 2788, 2809, 2830
<code>\end</code>	1419, 1420, 1425, 1426, 2174, 2175, 2246, 2257, 2857, 2858, 2934, 3612, 3617, 3674, 3688, 3698, 3707, 3730, 3769, 3772, 3775, 3792, 3847, 3853, 3930, 3936, 3940, 3966, 3972, 4006, 4026, 4041, 4047,



4083, 4084, 4085, 4108, 4109,	<code>\eqcommand</code> . . .	176, 177, 178, 179,
4110, 4134, 4135, 4136, 4161,		180, 181, 182, 183, 184, 185,
4162, 4165, 4195, 4199, 4210,		186, 187, 188, 189, 190, 191,
4211, 4248, 4252, 4281, 4312,		192, 193, 194, 195, 196, 197,
4313, 4327, 4339, 4352, 4637,		198, 199, 200, 201, 202, 203,
4640, 4642, 4645, 4691, 4692,		204, 205, 206, 207, 208, 209,
4696, 4750		210, 211, 212, 213, 214, 215,
<code>\end@correction</code>		216, 217, 218, 219, 220, 221,
4730		222, 223, 224, 225, 226, 227,
<code>\endcomment</code>		228, 229, 230, 231, 232, 233,
4723		234, 235, 236, 237, 238, 239,
<code>\endcorrection</code>		240, 241, 242, 243, 244, 245,
4723, 4730		246, 247, 248, 249, 250, 251,
<code>\endcsname</code> 1487, 1680, 1720, 1925,		252, 253, 254, 255, 256, 257,
1928, 1935, 1938, 1955, 2262,		258, 259, 260, 261, 262, 263,
2270, 2280, 2281, 2282, 2283,		264, 265, 266, 267, 268, 269,
2393, 2427, 2457, 2571, 2574,		270, 271, 272, 273, 274, 275,
2580, 2582, 2881, 2964, 2969,		276, 277, 278, 279, 280, 281,
2972, 3078, 3202, 4370, 4373,		282, 283, 284, 285, 286, 287,
4378, 4379, 4394, 4397, 4401,		288, 289, 290, 291, 292, 293,
4403, 4405, 4440, 4442, 4886,		294, 295, 296, 297, 298, 299,
4895, 4906		300, 301, 302, 303, 304, 305,
<code>\endgroup</code> 1308, 2183, 2261, 2570,		306, 307, 308, 309, 310, 311,
2578, 4375, 4399, 4555, 4556,		312, 313, 314, 315, 316, 317,
4557, 4558, 4559, 4560, 4561,		318, 319, 320, 321, 322, 323,
4562, 4563, 4564, 4565, 4566		324, 325, 326, 327, 328, 329,
<code>\endL</code>		330, 331, 332, 333, 334, 335,
3644, 4045		336, 337, 338, 339, 340, 341,
<code>\endlatin</code>		342, 343, 344, 345, 346, 347,
2854		348, 349, 350, 351, 352, 353,
<code>\endlTR</code>		354, 355, 356, 357, 358, 359,
2854		360, 361, 362, 363, 364, 365,
<code>\endMakeFramed</code>		366, 367, 368, 369, 370, 371,
1349		372, 373, 374, 375, 376, 377,
<code>\endmath</code>		378, 379, 380, 381, 382, 383,
167		384, 385, 386, 387, 388, 389,
<code>\endpersian</code>		390, 391, 392, 393, 394, 395,
2856		396, 397, 398, 399, 400, 401,
<code>\endquestion</code>		402, 403, 404, 405, 406, 407,
4743		408, 409, 410, 411, 412, 413,
<code>\endR</code> 3648, 3649, 3650, 3661, 3662,		414, 415, 416, 417, 418, 419,
3663, 3868, 3869, 3870, 3888,		420, 421, 422, 423, 424, 425,
3909, 3910, 3911, 3912, 3913,		426, 427, 428, 429, 430, 431,
3914, 4065, 4160		432, 433, 434, 435, 436, 437,
<code>\endRTL</code>		438, 439, 440, 441, 442, 443,
2856		444, 445, 446, 447, 448, 449,
<code>\ends@math</code>		
167		
<code>\endtrivlist</code>		
1951, 2261		
<code>\end</code>		
1951, 1955, 2261, 2262		
<code>\eq@addpunct</code>		
172		
<code>\eq@group</code>		
140, 149		
<code>\eq@GRP@first@dmath</code>		
149		
<code>\eq@prelim</code>		
140, 157		
<code>\eq@setnumber</code>		
143		
<code>\eq@setup@a</code>		
145		
<code>\eq@startup</code>		
146		
<code>\eq@wdCond</code>		
164		



450, 451, 452, 453, 454, 455,
456, 457, 458, 459, 460, 461,
462, 463, 464, 465, 466, 467,
468, 469, 470, 471, 472, 473,
474, 475, 476, 477, 478, 479,
480, 481, 483, 484, 485, 486,
487, 488, 489, 490, 491, 492,
493, 494, 495, 496, 497, 498,
499, 500, 501, 502, 503, 504,
505, 506, 507, 508, 509, 510,
511, 512, 513, 514, 515, 516,
517, 518, 519, 520, 521, 522,
523, 524, 525, 526, 527, 528,
529, 530, 531, 532, 533, 534,
535, 536, 537, 538, 539, 540,
541, 542, 543, 544, 545, 546,
547, 548, 549, 550, 551, 552,
553, 554, 555, 556, 557, 558,
559, 560, 561, 562, 563, 564,
565, 566, 567, 568, 569, 570,
571, 572, 573, 574, 575, 576,
577, 578, 579, 580, 581, 582,
583, 584, 585, 586, 587, 588,
589, 590, 591, 592, 593, 594,
595, 596, 597, 598, 599, 600,
601, 602, 603, 604, 605, 606,
607, 608, 609, 610, 611, 612,
613, 614, 615, 616, 617, 618,
619, 620, 621, 622, 623, 624,
625, 626, 627, 628, 629, 630,
631, 632, 633, 634, 635, 636,
637, 638, 639, 640, 641, 642,
643, 644, 645, 646, 647, 648,
649, 650, 651, 652, 653, 654,
655, 656, 657, 658, 659, 660,
661, 662, 663, 664, 665, 666,
667, 668, 669, 670, 671, 672,
673, 674, 675, 676, 677, 678,
679, 680, 681, 682, 683, 684,
685, 686, 687, 688, 689, 690,
691, 692, 693, 694, 695, 696,
697, 698, 699, 700, 701, 702,
703, 704, 705, 706, 707, 708,
709, 710, 711, 712, 713, 714,
715, 716, 717, 718, 719, 720,
721, 722, 723, 724, 725, 726,

727, 728, 729, 730, 731, 732,
733, 734, 735, 736, 737, 738,
739, 740, 741, 742, 743, 744,
745, 746, 747, 748, 749, 750,
751, 752, 753, 754, 755, 756,
757, 758, 759, 760, 761, 762,
763, 764, 765, 766, 767, 768,
769, 770, 771, 772, 773, 774,
775, 776, 777, 778, 779, 780,
781, 782, 783, 784, 785, 786,
788, 789, 790, 791, 792, 793,
794, 795, 796, 797, 798, 799,
800, 801, 802, 803, 804, 805,
806, 807, 808, 809, 810, 811,
812, 813, 814, 815, 816, 817,
818, 819, 820, 821, 822, 823,
824, 825, 826, 827, 828, 829,
830, 831, 832, 833, 834, 835,
836, 837, 838, 839, 840, 841,
842, 843, 844, 845, 846, 847,
848, 849, 850, 851, 852, 853,
854, 855, 856, 857, 858, 859,
860, 861, 862, 863, 864, 865,
866, 867, 868, 869, 870, 871,
872, 873, 874, 875, 876, 877,
878, 879, 880, 881, 882, 883,
884, 885, 886, 887, 888, 889,
890, 891, 892, 893, 894, 895,
896, 897, 898, 899, 900, 901,
902, 903, 904, 905, 906, 907,
908, 909, 910, 911, 912, 913,
914, 915, 916, 917, 918, 919,
920, 921, 922, 923, 924, 925,
926, 927, 928, 929, 930, 931,
932, 933, 934, 935, 936, 937,
938, 939, 940, 941, 942, 943,
944, 945, 946, 947, 948, 949,
950, 951, 952, 953, 954, 955,
956, 957, 958, 959, 960, 961,
962, 963, 964, 965, 966, 967,
968, 969, 970, 971, 972, 973,
974, 975, 976, 977, 978, 979,
980, 981, 982, 983, 984, 985,
986, 987, 988, 989, 990, 991,
992, 993, 994, 995, 996, 997,
998, 999, 1000, 1001, 1002,



1003, 1004, 1005, 1006, 1007,
1008, 1009, 1010, 1011, 1012,
1013, 1014, 1015, 1016, 1017,
1018, 1019, 1020, 1021, 1022,
1023, 1024, 1025, 1026, 1027,
1028, 1029, 1030, 1031, 1032,
1033, 1034, 1035, 1036, 1037,
1038, 1039, 1040, 1041, 1042,
1043, 1044, 1045, 1046, 1047,
1048, 1049, 1050, 1051, 1052,
1053, 1054, 1055, 1056, 1057,
1058, 1059, 1060, 1061, 1062,
1063, 1064, 1065, 1066, 1067,
1068, 1069, 1070, 1071, 1072,
1073, 1074, 1075, 1076, 1077,
1078, 1079, 1080, 1081, 1082,
1083, 1084, 1085, 1086, 1087,
1088, 1089, 1090, 1091, 1092,
1093, 1094, 1095, 1096, 1097,
1098, 1099, 1100, 1101, 1102,
1103, 1104, 1105, 1106, 1107,
1108, 1109, 1110, 1111, 1112,
1113, 1114, 1115, 1116, 1117,
1118, 1129, 1130, 1131, 1132,
1133, 1134, 1135, 1136, 1137,
1138, 1139, 1140, 1141, 1142,
1143, 1144, 1145, 1146, 1147,
1148, 1149, 1150, 1151, 1152,
1153, 1154, 1155, 1156, 1157,
1158, 1159, 1160, 1161, 1162,
1163, 1164, 1165, 1166, 1167,
1168, 1169, 1170, 1171, 1172,
1173, 1174, 1175, 1176, 1177,
1178, 1179, 1180, 1181, 1182,
1183, 1184, 1185, 1186, 1187,
1486
`\eqenvironment` . . . 1217, 1218, 1219,
1220, 1221, 1222, 1223, 1224,
1225, 1226, 1227, 1228, 1229,
1230, 1231, 1232, 1233, 1234,
1235, 1236, 1237, 1238, 1239,
1240, 1241, 1242, 1243, 1244,
1245, 1246, 1247, 1248, 1249,
1250, 1251, 1252, 1253, 1254,
1255, 1256, 1257, 1258, 1260,
1261, 1262, 1263, 1264, 1265,
1266, 1267, 1268, 1269, 1487
`\eqstyle` 142
`\equal` 3843, 3998, 4170,
4175, 4180, 4185, 4190, 4223,
4228, 4233, 4238, 4243
`\equationautorefname` 1355
`\escapechar` 2573, 4372, 4396
`\everydisplay` 137, 4614, 4615
`\everyjob` 2546, 2547
`\everymath` 4611
`\everypar` 2867
`\ExecuteOptions` 4733
`\ExecuteOptionsX` 3455
`\exp` 2606, 2608, 2609, 2610, 2626,
2628, 2629, 2630, 2651, 2653,
2654, 2655, 2669, 2671, 2672,
2673, 2717, 2719, 2720, 2721,
2738, 2740, 2741, 2742, 2759,
2761, 2762, 2763, 2780, 2782,
2783, 2784, 2801, 2803, 2804,
2805, 2822, 2824, 2825, 2826
`\expandafter`
137, 1419, 1425, 1640, 1641,
1765, 1799, 1888, 1925, 1928,
1935, 1938, 1955, 1997, 2086,
2202, 2207, 2208, 2213, 2218,
2219, 2225, 2226, 2227, 2228,
2235, 2236, 2237, 2238, 2240,
2249, 2250, 2251, 2252, 2262,
2279, 2280, 2281, 2282, 2548,
2551, 2553, 2557, 2559, 2563,
2565, 2570, 2571, 2574, 2577,
2578, 2580, 2581, 2875, 2964,
2969, 2972, 2987, 2993, 3078,
3088, 3094, 3188, 3190, 3192,
3194, 3202, 4367, 4386, 4391,
4400, 4401, 4402, 4412, 4611,
4614, 4665
`\expandedtitle` 4164
`\ExplSyntaxOff` 1954, 2276, 2836,
4437, 4546
`\ExplSyntaxOn` 1952, 2264, 2596,
4416, 4443
`\extract@alph@from@version`
. 4400



F

<code>\f@baselineskip</code>	2842, 2849, 3474, 3476	2056, 2060, 2064, 2065, 2069, 2074, 2075, 2076, 2077, 2097, 2099, 2121, 2129, 2137, 2138, 2147, 2148, 2154, 2157, 2167, 2188, 2203, 2221, 2241, 2254, 2257, 2283, 2295, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2418, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2490, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2554, 2560, 2566, 2584, 2585, 2593, 2876, 2883, 2897, 2902, 2903, 2904, 2908, 2913, 2914, 2915, 2916, 2925, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2963, 2968, 2990, 3004, 3016, 3021, 3022, 3025, 3027, 3028, 3040, 3044, 3046, 3047, 3049, 3052, 3054, 3060, 3063, 3066, 3070, 3075, 3091, 3105, 3117, 3122, 3123, 3126, 3128, 3129, 3141, 3145, 3147, 3148, 3150, 3156, 3157, 3159, 3164, 3171, 3177, 3195, 3196, 3197, 3198, 3199, 3200, 3207, 3208, 3211, 3212, 3215, 3216, 3218, 3219, 3231, 3287, 3295, 3303, 3309, 3316, 3324, 3331, 3338, 3350, 3356, 3362, 3366, 3370, 3376, 3388, 3389, 3400, 3401, 3412, 3413, 3425, 3438, 3452, 3470, 3485, 3486, 3488, 3817, 3818, 4023, 4040, 4204, 4278, 4297, 4324, 4349, 4367, 4385, 4386, 4391, 4411, 4412, 4549, 4567, 4568, 4569, 4570, 4571, 4572,
<code>\f@size</code>	2842, 2849	
<code>\f@ur</code>	1416, 2889, 2905, 2906, 2907, 2910, 2911, 2912	
<code>\false</code>	4710	
<code>\falsesymbol</code>	4701	
<code>\familydefault</code>	2613, 2633, 2724, 2745, 2766, 2787, 2808, 2829	
<code>\fancyfoot</code>	3908, 3912, 3913, 3914	
<code>\fancyhead</code>	3907, 3909, 3910, 3911	
<code>\FancyVerbLineautorefname</code>	1368	
<code>\fbox</code>	3792, 3807, 4022, 4687, 4747	
<code>\fboxrule</code>	1338, 1340, 1342, 1344, 3864	
<code>\fboxsep</code>	1338, 1340, 1342, 1344, 3795, 3988, 4020, 4092, 4120, 4168, 4217	
<code>\fi</code>	2, 3, 5, 7, 35, 63, 68, 92, 136, 138, 139, 140, 148, 159, 161, 170, 1203, 1289, 1330, 1341, 1343, 1345, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1416, 1424, 1450, 1451, 1463, 1466, 1469, 1472, 1475, 1478, 1481, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1626, 1627, 1633, 1648, 1649, 1654, 1655, 1658, 1661, 1664, 1667, 1670, 1673, 1677, 1678, 1686, 1704, 1705, 1711, 1718, 1721, 1726, 1727, 1746, 1747, 1748, 1749, 1753, 1754, 1755, 1769, 1770, 1771, 1772, 1787, 1788, 1803, 1804, 1805, 1806, 1823, 1824, 1838, 1847, 1848, 1849, 1850, 1857, 1858, 1862, 1867, 1870, 1875, 1878, 1892, 1893, 1894, 1895, 1918, 1919, 1929, 1939, 1951, 1969, 1987, 2008, 2010, 2021, 2025, 2034, 2035, 2039, 2051,	



4573, 4574, 4575, 4576, 4577,
 4579, 4587, 4588, 4589, 4591,
 4592, 4593, 4599, 4600, 4601,
 4603, 4604, 4605, 4801, 4803,
 4804, 4805, 4811, 4835, 4836,
 4856, 4867, 4888, 4897, 4904,
 4911, 4926
 \figureautorefname 1358
 \figurename 2937
 \finishsetclass 1422, 1426
 \firstarticle 3919, 3943, 3944,
 3946
 \FirstFrameCommand 1340
 \firstimage 4016, 4029, 4030,
 4032
 \firstmark 1327
 \firstTextFormat 3677, 3679
 \firstTitleFormat 3665, 3671,
 3672
 \float@box 1926, 1936
 \float@endH 1925, 1935
 \flushright 3665, 3684, 3703
 \font 2893
 \fontencoding
 2608, 2628, 2654, 2672,
 2719, 2740, 2761, 2782, 2803,
 2824
 \fontfamily 2609, 2629, 2653, 2671,
 2686, 2689, 2692, 2695, 2698,
 2701, 2720, 2741, 2762, 2783,
 2804, 2825
 \fontsize 2842, 2849
 \fontspec 1953, 2271, 2604, 2625,
 2648, 2666, 2715, 2736, 2757,
 2778, 2799, 2820, 4497, 4528,
 4541
 \foot 3660
 \footdir@debugfalse 3361
 \footdir@debugtrue 3359
 \footnote 3757
 \footnoteautorefname 1356
 \footnoterule 3756
 \footnotesep 3482, 3484
 \footnotesize
 84, 86, 88, 1289, 1290,
 1291, 1330, 1332, 1334, 3585,
 3586, 3620, 3653, 3718, 3742,
 3743, 3755
 \foottextfont 1289
 \FrameCommand 1338
 \FrameRestore 1346
 \frenchspacing 1950, 2258
 \frontmatter 15, 95, 106, 124, 1277,
 2417
 \futurelet 2193, 4552

G

\g 2604, 2605, 2609, 2625, 2629,
 2715, 2716, 2720, 2736, 2737,
 2741, 2757, 2758, 2762, 2778,
 2779, 2783, 2799, 2800, 2804,
 2820, 2821, 2825, 4417, 4497,
 4499, 4500, 4501, 4502, 4528,
 4529, 4541, 4542
 \g@addto@macro 4614, 4662
 \G@refundefinedtrue 2878
 \gdef 43, 49, 55, 61,
 102, 103, 113, 114, 120, 121,
 132, 133, 1275, 1285, 1286,
 1297, 1298, 1375, 1376, 1391,
 1393, 1572, 1573, 2362, 2363,
 2369, 2370, 2376, 2377, 2384,
 2385, 2392, 2425, 2426, 2455,
 2456, 3598, 3868, 3869, 3870,
 4552, 4628, 4630, 4648, 4650,
 4652, 4658, 4659, 4675, 4700,
 4701, 4715, 4734, 4736, 4741,
 4752
 \get@cdp 4426
 \getanddefine@fonts 4373, 4397
 \Gin@boolkey 2278
 \glb@currsize 4496
 \global 73, 74,
 139, 149, 150, 151, 152, 153,
 154, 155, 156, 164, 1304, 1305,
 1324, 1683, 1687, 2007, 2096,
 3777, 3778, 3779, 3780, 3781,
 3782, 3783, 3784, 3785, 3786,
 4379, 4405
 \globaldefs 4374, 4398
 \glossary 1314



`\glsaddprotectedpagefmt` . 1351,
 1352, 1353
`\goodbreak` 4355
`\grid` 3559, 3563, 3825
`\Grot@x` 2286, 2287, 2288, 2289
`\Grot@y` 2290, 2291, 2292, 2293,
 2294, 2295
`\group` 2271
`\group@elt` 4425
`\group@list` 4425
`\grp@aligned` 155
`\GRP@box` 150
`\grp@eqs@numbered` 154
`\grp@hasNumber` 159
`\GRP@label` 151
`\grp@linewidth` 153
`\GRP@queue` 150
`\grp@setnumber` 159
`\grp@shiftnumber` 156
`\grp@wdL` 152
`\grp@wdNum` 153
`\grp@wdR` 152
`\grp@wdT` 152

H

`\harfi` 1190, 1208, 1213, 1566, 2398,
 2432, 2462, 2969
`\harfinumeral` 2970
`\hbox` 1834, 2877, 2935, 2936
`\headDateTimeFormat` 3624, 3626
`\headerfont` 4628
`\headheight` 1320, 3858
`\heading` 3647
`\headrulewidth` 3859, 3915
`\headsep` 1321
`\headtoname` 2954
`\height` 2290, 2291
`\hfil` . 1830, 1831, 1832, 1833, 1865,
 1866, 1867, 1873, 1874, 1875
`\hline` 4308, 4669, 4670, 4673,
 4674, 4694, 4695
`\hrule` 1416, 4191, 4197, 4244, 4250,
 4295, 4335
`\hrulefill` 3873, 3878, 3892
`\hsize` 1346, 1691, 1707, 1732, 1733,
 1931, 1941

`\hskip` 1416, 1832, 1833, 1875
`\hspace` 3626, 3644, 3873, 3879,
 3891, 3893, 4071
`\hss` 1719
`\Huge` 3596, 3665, 3721
`\huge` 3595
`\Hy@AlphNoErr` 1391, 1393
`\Hy@appendixstring` . 1377, 1395
`\Hy@backout` 69, 77
`\Hy@chapapp` 1377, 1395
`\HyOrg@appendix` 1372, 1378
`\HyOrg@resets@pp` 1388, 1396
`\hyper@natlinkbreak` 2029, 2060
`\hyper@natlinkstart` 77

I

`\if` 140, 159, 1644,
 1650, 1656, 1659, 1662, 1665,
 1668, 1671, 1674, 1705, 1712,
 1713, 1714, 1715, 1727, 1744,
 1745, 1746, 1747, 1748, 1749,
 1750, 1751, 1752, 1753, 1767,
 1768, 1769, 1770, 1771, 1772,
 1774, 1775, 1776, 1777, 1778,
 1781, 1782, 1783, 1784, 1785,
 1786, 1801, 1802, 1803, 1804,
 1805, 1806, 1808, 1809, 1810,
 1811, 1812, 1813, 1814, 1817,
 1818, 1819, 1820, 1821, 1822,
 1845, 1846, 1847, 1848, 1849,
 1850, 1852, 1853, 1854, 1855,
 1856, 1857, 1890, 1891, 1892,
 1893, 1894, 1895, 1896, 1897,
 1898, 1899, 1900, 1901, 1902,
 1903, 1905, 1906, 1907, 1908,
 1909, 1912, 1913, 1914, 1915,
 1916, 1917, 2012, 2042, 2060,
 2070, 2076, 2077, 2138, 2154,
 2186, 2206, 2212, 2214, 2224,
 2232, 2234, 2256, 2286, 2287,
 2288, 2289, 2290, 2291, 2292,
 2293, 2294, 2295
`\if@bidi@algorithmicloaded@` .
 1461
`\if@bidi@algorithmloaded@` 1464
`\if@bidi@backrefloaded@` . 1467



<code>\if@bidi@csprimitive</code>	....	1486	<code>\ifcase</code>	1829, 1860, 1864, 1868, 1872,
<code>\if@bidi@csundef</code>	...	2929, 3182,		2011, 2041, 2134, 2957, 2966,
		3233		2994, 3057, 3063, 3066, 3069,
<code>\if@bidi@enumerateloaded@</code>		1470		3073, 3095, 3162, 3167, 3174,
<code>\if@bidi@enumitemloaded@</code>		1473		3206, 3210, 3214, 3218, 3281,
<code>\if@bidi@tocloftloaded@</code>	.	1476		3289, 3297, 3305, 3312, 3320,
<code>\if@bidi@urlloaded@</code>	....	1479		3327, 3334, 3340, 3352, 3358,
<code>\if@chapter@pp</code>	.....	28		3364, 3368, 3372, 3378, 3391,
<code>\if@extrafootnotefeatures</code>		3467		3403, 3415, 3434, 3441, 4919
<code>\if@filesw</code>	.....	2876	<code>\ifdim</code>	169, 2550, 2556, 2562, 2894,
<code>\if@hboxRconstruct</code>	.	1704, 1726		2895, 2899, 2900, 2905, 2906,
<code>\if@inlabel</code>	.....	139		2910, 2911, 2920, 3478, 3482,
<code>\if@Kashida@on</code>	.....	1414, 1415		3805, 4290
<code>\if@LTRbibitems</code>	.....	3229	<code>\iffontchar</code>	.....
<code>\if@newlist</code>	...	1304, 1324, 1951		2893
<code>\if@nonlatin</code>	..	4599, 4600, 4601,	<code>\ifhmode</code>	.....
		4603, 4604, 4605		1628
<code>\if@noskipsec</code>	.....	138	<code>\ifinner</code>	.....
<code>\if@pboxsw</code>	.....	1721		1634
<code>\if@RTL</code>	2, 3, 5, 7, 63, 92, 136, 148,		<code>\ifmmode</code>	.....
	161, 1341, 1343, 1345, 1355,			1716, 4369, 4393
	1356, 1357, 1358, 1359, 1360,		<code>\ifNAT@full</code>	.....
	1361, 1362, 1363, 1364, 1365,			2009, 2098
	1366, 1367, 1368, 1369, 1370,		<code>\ifNAT@longnames</code>	...
	1450, 1451, 1577, 1578, 1579,			2005, 2094
	1580, 1581, 1582, 1583, 1584,		<code>\ifNAT@numbers</code>	.....
	1585, 1705, 1727, 2504, 2505,			1958, 2165
	2506, 2507, 2508, 2509, 2510,		<code>\ifNAT@super</code>	.....
	2511, 2512, 2513, 2937, 2938,			1959
	2939, 2940, 2941, 2942, 2943,		<code>\ifNAT@swa</code>	2011, 2076, 2100, 2152
	2944, 2945, 2946, 2947, 2948,		<code>\ifnum</code>	.....
	2949, 2950, 2951, 2952, 2953,			170, 1675, 1742, 1743,
	2954, 2955			1759, 1760, 1761, 1762, 1764,
<code>\if@RTL@footnote</code>	...	1289, 1330		1793, 1794, 1795, 1796, 1798,
<code>\if@RTLmain</code>	.....	2883		1843, 1844, 1882, 1883, 1884,
<code>\if@RTLtab</code>	.....	1746,		1885, 1887, 2486, 2589, 2918,
		1747, 1748, 1749, 1769, 1770,		2984, 2986, 2995, 2996, 2997,
		1771, 1772, 1803, 1804, 1805,		2998, 2999, 3000, 3001, 3002,
		1806, 1847, 1848, 1849, 1850,		3019, 3021, 3023, 3025, 3027,
		1892, 1893, 1894, 1895		3032, 3043, 3044, 3046, 3048,
<code>\if@tempswa</code>	.....	2129		3049, 3052, 3085, 3087, 3096,
<code>\if@twoside</code>	.....	2418		3097, 3098, 3099, 3100, 3101,
<code>\if@xepersian@@computeautoilg</code>	.....	2885, 3472		3102, 3103, 3120, 3122, 3124,
<code>\ifadl@usingarypkg</code>	.....	1791		3126, 3128, 3133, 3144, 3145,
<code>\ifBR@verbose</code>	.....	66		3147, 3149, 3150, 3152, 3157,
				3184, 3186, 3188, 3190, 3192,
				3194, 3208, 3212, 3216, 3219,
				4202, 4276, 4322, 4347, 4370,
				4394, 4797, 4801, 4829, 4835,
				4856, 4883, 4887, 4892, 4896,
				4898, 4907
			<code>\ifodd</code>
				1645, 1651, 4790, 4795
			<code>\ifthenelse</code>
				..
				3545, 3557, 3566, 3670,
				3685, 3704, 3725, 3843, 3921,



3922, 3952, 3984, 3998, 4018,
 4036, 4060, 4090, 4114, 4141,
 4170, 4175, 4180, 4185, 4190,
 4223, 4228, 4233, 4238, 4243,
 4676
 \ifwritexviii . 2588, 3380, 3392,
 3404
 \ifx 1190, 1191, 1192, 1193, 1194, 1195,
 1196, 1197, 1198, 1199, 1200,
 1422, 1621, 1624, 1708, 1928,
 1938, 2015, 2016, 2018, 2045,
 2046, 2048, 2117, 2135, 2195,
 2244, 2283, 2396, 2398, 2399,
 2400, 2401, 2402, 2403, 2404,
 2405, 2406, 2407, 2408, 2409,
 2410, 2411, 2412, 2430, 2432,
 2433, 2434, 2435, 2436, 2437,
 2438, 2439, 2440, 2441, 2442,
 2443, 2444, 2445, 2446, 2460,
 2462, 2463, 2464, 2465, 2466,
 2467, 2468, 2469, 2470, 2471,
 2472, 2473, 2474, 2475, 2476,
 2571, 2579, 4367, 4391, 4547,
 4555, 4556, 4557, 4558, 4559,
 4560, 4561, 4562, 4563, 4564,
 4565, 4579, 4587, 4588, 4589,
 4591, 4592, 4593, 4599, 4600,
 4601, 4603, 4604, 4605
 \ifXePersian@kabiseh 4758, 4863
 \ifXePersian@leap . . 4758, 4807
 \IfxepersianPackageVersion 2561
 \IfxepersianPackageVersionBefore
 2555
 \IfxepersianPackageVersionLater
 2549
 \ifxetex 3798, 4021, 4038
 \ignorespaces 173,
 1933, 1943, 2616, 2636, 2727,
 2748, 2769, 2790, 2811, 2832,
 3616, 3669, 3679, 3684, 3692,
 3697, 3703, 3711, 3971, 3997,
 4146
 \image 3793
 \immediate 2876, 3383, 3384, 3395,
 3396, 3407, 3408
 \includegraphics . . 3808, 4022,
 4039
 \index 1313
 \indexEntryFormat . . 3614, 3616
 \indexEntryPageFormat . . . 3620,
 3622
 \indexEntryPageTxt . 3619, 3622
 \indexEntrySeparator 3618, 4146
 \indexFormat 3610, 3612
 \indexitem 4139, 4149, 4150, 4152
 \indexname 2943
 \init@restore@version . . . 4376,
 4424
 \innerAuthorFormat . 3742, 4259
 \innerPlaceFormat . . 3743, 4259
 \innerSubtitleFormat 3732, 3733
 \innerTextFinalMark 3744, 4280
 \innerTitleFormat . . 3721, 3726,
 3727
 \input 1497, 1498, 1499, 1500,
 1501, 1502, 1503, 3237, 3238,
 3239, 3240, 3241, 3242, 3243,
 3244, 3245, 3246, 3247, 3248,
 3249, 3250, 3251, 3252, 3253,
 3254, 3255, 3256, 3257, 3258,
 3259, 3260, 3261, 3262, 3263,
 3264, 3265, 3266, 3267, 3268,
 3269, 3270, 3271, 3272, 3273,
 3274, 3275, 3276, 3277, 3278,
 3279, 3365, 3369, 3468, 3469
 \insert@column . 1831, 1832, 1833,
 1834, 1836, 1837
 \int . 4451, 4459, 4467, 4475, 4483
 \intermath@penalty 172
 \iranicdefault 2680, 2692, 2821,
 2829
 \iranicfamily . 2690, 2691, 2704,
 2822
 \item 4702, 4703, 4704, 4705
 \itemautorefname 1357
 \itshape 3227, 4714

J
 \jobname . 3384, 3385, 3396, 3397,
 3408, 3409



K	
<code>\KashidaOff</code>	1447
<code>\KashidaOn</code>	1446, 1448
<code>\kern</code>	1963, 2936
<code>\keyval@eq@alias@key</code>	1489, 1493
L	
<code>\l</code>	2608, 2614, 2628, 2634, 2654, 2672, 2719, 2725, 2740, 2746, 2761, 2767, 2782, 2788, 2803, 2809, 2824, 2830
<code>\label</code>	1312, 4275, 4321, 4345
<code>\LARGE</code>	3594, 3681, 3745, 3748, 3761, 3763
<code>\Large</code>	3593, 3700, 3750, 3877, 4160, 4194
<code>\large</code>	3592, 3604, 3610, 3690, 3709, 3732, 3752, 3765, 3771, 3883
<code>\LastFrameCommand</code>	1344
<code>\lastpenalty</code>	170
<code>\lastskip</code>	169
<code>\latin</code>	2853
<code>\LatinAlphs</code>	2853, 2857, 3223
<code>\Latincite</code>	2161, 2869
<code>\latinfont</code>	2626, 2839, 2841, 3428
<code>\latintoday</code>	2860
<code>\lccode</code>	2180, 2181, 2182
<code>\leaders</code>	1416
<code>\leavevmode</code>	138, 139, 1702, 1724, 1951, 2871, 2935
<code>\leftfootnoterule</code>	3343
<code>\let</code>	11, 19, 73, 74, 149, 151, 154, 155, 156, 162, 167, 1198, 1199, 1200, 1201, 1302, 1304, 1312, 1313, 1314, 1324, 1327, 1372, 1382, 1383, 1388, 1403, 1422, 1424, 1695, 1696, 1697, 1698, 1699, 1700, 1719, 1736, 1737, 1738, 1739, 1808, 1809, 1810, 1852, 1853, 1854, 1922, 1925, 1926, 1935, 1936, 1955, 1959, 1961, 1962, 1965, 1966, 1967, 1968, 1970, 1971, 1972, 1973, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1994, 2003, 2006, 2009, 2010, 2083, 2092, 2095, 2098, 2099, 2107, 2162, 2187, 2198, 2205, 2211, 2215, 2216, 2231, 2233, 2253, 2262, 2280, 2282, 2396, 2430, 2460, 2481, 2485, 2839, 2840, 2846, 2847, 2859, 2872, 2965, 2970, 2977, 3083, 3203, 3221, 3222, 3224, 3225, 3417, 3418, 3422, 3423, 3450, 3451, 3755, 3756, 3757, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 4365, 4381, 4407, 4496, 4612, 4616, 4631, 4720, 4721, 4722, 4723, 4727, 4728, 4729, 4730, 4742, 4743, 4916, 4917, 4918
<code>\lineskip</code>	1316, 3766
<code>\lineskiplimit</code>	1317
<code>\linespread</code>	2923
<code>\linewidth</code>	4668, 4672, 4687, 4747
<code>\listalgorithmname</code>	7
<code>\listfigurename</code>	2940
<code>\listtablename</code>	2941
<code>\LoadClass</code>	3538
<code>\logo</code>	3871, 3900
<code>\long</code>	1701
<code>\longdate</code>	4255
<code>\loop</code>	2892, 4884, 4893
<code>\lower</code>	2935
<code>\lowercase</code>	2183
<code>\lr</code>	1382, 1994, 2083, 2851, 2860, 2873, 3598, 3653, 4045
<code>\LRE</code>	2851
<code>\lstlistingname</code>	1450
<code>\lstlistlistingname</code>	1451
<code>\LTR</code>	2853
<code>\LTRfoottextfont</code>	1290
<code>\ltx@ifundefined</code>	1374, 1386, 1390
M	
<code>\m@ne</code>	2111, 4372, 4396
<code>\m@th</code>	1721
<code>\makeform</code>	4724, 4731
<code>\makeform@correction</code>	4639, 4731
<code>\makeform@nocorrection</code> . .	4636, 4724



<code>\NAT@def@citea@close</code>	2073	<code>\NAT@space</code>	1962, 1967, 1983, 2135
<code>\NAT@exlab</code>	2018, 2022, 2048, 2052	<code>\NAT@spacechar</code>	1967, 1974, 1983, 1985, 2023, 2030, 2054, 2060, 2136, 2138
<code>\NAT@fullfalse</code>	2163	<code>\NAT@super@kern</code>	1963, 1968, 2136
<code>\NAT@fulltrue</code>	2163	<code>\NAT@swafalse</code>	2166
<code>\NAT@hyper@</code>	2013, 2022, 2024, 2027, 2036, 2037, 2038, 2043, 2052, 2055, 2058, 2066, 2067, 2068, 2103, 2139	<code>\NAT@swatru</code>	2162
<code>\NAT@hyper@citea@space</code>	2142, 2144, 2146	<code>\NAT@temp</code>	2017, 2018, 2047, 2048
<code>\NAT@idtxt</code>	1974, 1985	<code>\NAT@test</code>	2103, 2136, 2142, 2144
<code>\NAT@ifcat@num</code>	2106, 2109	<code>\NAT@year</code>	1994, 2003, 2016, 2046
<code>\NAT@last@nm</code>	2003, 2015, 2045, 2092, 2135	<code>\NAT@yrsep</code>	2015, 2045, 2135
<code>\NAT@last@num</code>	2092, 2109, 2110, 2128	<code>\natexlab</code>	1975, 1986
<code>\NAT@last@yr</code>	2003, 2016, 2046, 2083, 2117, 2151	<code>\navardefault</code>	2681, 2695, 2758, 2766
<code>\NAT@last@yr@mbx</code>	2113, 2123	<code>\navarfamly</code>	2693, 2694, 2705, 2759
<code>\NAT@Latin@cites</code>	2163, 2164	<code>\NeedsTeXFormat</code>	2514, 3492, 4361, 4618, 4755
<code>\NAT@Latin@citex</code>	1980, 1988, 1989	<code>\new@mathalphabet</code>	4427
<code>\NAT@Latin@citexnum</code>	1971, 2078, 2079	<code>\new@mathbf</code>	4449, 4516
<code>\NAT@mbox</code>	1960, 1965, 2136, 2139, 2156	<code>\new@mathgroup</code>	4364, 4365, 4420
<code>\NAT@merge</code>	2113, 2128	<code>\new@mathit</code>	4457, 4517
<code>\NAT@name</code>	1974, 1985, 2006, 2010, 2095, 2099	<code>\new@mathrm</code>	4465, 4518
<code>\NAT@nm</code>	1994, 2003, 2009, 2010, 2013, 2015, 2028, 2036, 2043, 2045, 2059, 2066, 2083, 2092, 2098, 2099, 2107, 2108, 2112, 2116, 2135	<code>\new@mathsf</code>	4473, 4530
<code>\NAT@nmfmt</code>	2013, 2028, 2036, 2043, 2059, 2066	<code>\new@mathtt</code>	4481, 4543
<code>\NAT@num</code>	1974, 2083, 2092, 2106, 2107, 2128, 2139	<code>\new@mathversion</code>	4425
<code>\NAT@open</code>	1974, 1985	<code>\new@symbolfont</code>	4426
<code>\NAT@parse</code>	2004, 2093	<code>\newboolean</code>	3503, 3505, 3507, 3509, 3511, 3513, 3515
<code>\NAT@partrue</code>	2162	<code>\newcolumnmtype</code>	4632, 4633
<code>\NAT@penalty</code>	1976, 1984, 2120, 2135	<code>\newcommand</code>	1446, 1447, 1484, 1486, 1487, 1489, 1493, 1988, 2078, 2164, 2169, 2492, 2549, 2555, 2561, 2678, 2679, 2680, 2681, 2682, 2683, 2890, 2928, 2971, 2974, 3077, 3080, 3500, 3555, 3599, 3600, 3603, 3604, 3605, 3610, 3611, 3614, 3615, 3618, 3619, 3620, 3621, 3624, 3625, 3629, 3630, 3633, 3634, 3635, 3636, 3639, 3642, 3647, 3652, 3655, 3657, 3660, 3665, 3666, 3677, 3678, 3681, 3682, 3690, 3691, 3694, 3695, 3700, 3701, 3709, 3710, 3712,
<code>\NAT@reset@citea</code>	1993, 2082		
<code>\NAT@reset@parser</code>	1991, 2080		
<code>\NAT@set@cites</code>	1957, 2160		
<code>\NAT@sort@cites</code>	1992, 2081		



3713, 3714, 3715, 3718, 3719,
 3721, 3722, 3732, 3733, 3734,
 3735, 3736, 3737, 3742, 3743,
 3744, 3745, 3746, 3747, 3748,
 3749, 3750, 3751, 3752, 3753,
 3788, 3793, 3825, 3857, 3871,
 3882, 3887, 3895, 3919, 3950,
 3982, 4016, 4035, 4139, 4157,
 4164, 4206, 4214, 4257, 4263,
 4283, 4300, 4329, 4354, 4438,
 4439, 4441, 4547, 4548, 4628,
 4630, 4636, 4639, 4641, 4644,
 4648, 4650, 4652, 4700, 4701,
 4706, 4710, 4715, 4734, 4736,
 4912
 \newcount 2886,
 3517, 3518, 3521, 3823, 3824,
 4759, 4760, 4761, 4762, 4763,
 4764, 4765, 4766, 4767, 4768,
 4769, 4770, 4771, 4772, 4774,
 4775, 4776, 4777, 4778, 4779,
 4780, 4781
 \newcounter 4653, 4654
 \newdimen 2887, 2888, 3821, 3822
 \NewDocumentCommand 4449, 4457,
 4465, 4473, 4481
 \newenvironment
 . . . 1487, 2174, 2175, 2857,
 2858, 3790, 3896, 4058, 4088,
 4112, 4266, 4315, 4341, 4682,
 4716
 \newfam 4365
 \newfontface 2482
 \newfontlanguage 2595
 \newfontscript 2594
 \newif . . . 1414, 2588, 2885, 4758
 \newlength 3495, 3496, 3497, 3498,
 3499, 3501, 4646, 4737, 4739
 \newmathalphabet 4421
 \newmathalphabet@@ 4421
 \newmathalphabet@@@ 4421
 \newpage . 3382, 3394, 3406, 3906
 \newsavebox 3789
 \newsection 4263
 \next . 1422, 1424, 1425, 2187, 2188,
 2189, 2193, 2195, 2198, 2202,
 2203, 2205, 2211, 2216, 2220,
 2222, 2231, 2233, 2239, 2242,
 2246, 2253, 2255
 \nobreak 1415, 1960
 \noexpand 1302,
 2186, 2206, 2212, 2214, 2224,
 2232, 2234, 2246, 2247, 2256,
 4377
 \nohyphens 3671, 3686, 3705, 3726
 \noindent 3616, 3631, 3669, 3679,
 3684, 3692, 3697, 3703, 3711,
 3716, 3720, 3724, 3873, 3890,
 3971, 3997, 4022, 4069, 4146,
 4160, 4194, 4209, 4247, 4304,
 4332, 4357, 4359
 \non@alpherr 4386, 4412
 \nopagebreak 4748
 \normalcolor . . . 1689, 1930, 1940
 \normalfont 2615, 2635, 2726, 2747,
 2768, 2789, 2810, 2831, 2839,
 2840, 2846, 2847
 \normalsfcodes 1311
 \normalsize . . . 1311, 2865, 3567,
 3568, 3614, 4209, 4247
 \not 4660
 \not@math@alphabet 2685, 2688,
 2691, 2694, 2697, 2700
 \null 3758, 3774
 \number . . 2984, 2986, 2987, 3085,
 3087, 3088, 3188, 3190, 3192,
 3194, 4378, 4402, 4913, 4914
 \numexpr . 4452, 4460, 4468, 4476,
 4484

O
 \obeyspaces 4552
 \old@endquestion . . . 4743, 4751
 \old@question 4742, 4749
 \or 1831, 1832,
 1833, 1835, 1836, 1860, 1861,
 1862, 1866, 1867, 1868, 1869,
 1870, 1874, 1875, 2036, 2037,
 2038, 2066, 2067, 2068, 2141,
 2143, 2145, 2957, 2958, 2959,
 2960, 2961, 2962, 2966, 2967,
 2968, 3005, 3006, 3007, 3008,



3009, 3010, 3011, 3012, 3013,
3014, 3018, 3057, 3058, 3059,
3060, 3063, 3066, 3069, 3070,
3073, 3074, 3075, 3106, 3107,
3108, 3109, 3110, 3111, 3112,
3113, 3114, 3115, 3119, 3162,
3163, 3164, 3167, 3168, 3169,
3170, 3171, 3174, 3175, 3176,
3177, 3206, 3207, 3210, 3211,
3214, 3215, 3218, 3283, 3285,
3291, 3293, 3299, 3301, 3307,
3314, 3322, 3329, 3336, 3342,
3344, 3346, 3348, 3354, 3360,
3374, 3420, 3436, 3449, 4919,
4920, 4921, 4922, 4923, 4924,
4925

\orig 4444, 4445, 4446, 4447, 4448,
4450, 4458, 4466, 4474, 4482

\originaltoday 2859, 2860

\Ovalbox 4186, 4239

\ovalbox 4181, 4234

\overline 4565

P

\p@ 1963, 3759

\PackageError
. 1462, 1465, 1468, 1471,
1474, 1477, 1480, 2930, 2979,
3234, 3381, 3387, 3393, 3399,
3405, 3411

\PackageInfo 67, 79, 2921, 2922,
3479, 3480, 4438

\PackageWarning 2001, 2090, 3180,
3379

\PackageWarningNoLine 2018,
2048

\page@free 3803, 3805

\pageautorefname 1370

\pagegoal 4285

\pagename 2953

\pagenumbering 15, 98, 109, 127,
1280, 1565, 2419

\pageref 3644, 4142

\pagesFormat 3718, 3720

\pagestyle 3861

\pagetotal 4286

\par 10, 17, 24, 40, 46, 52, 58, 99,
110, 117, 129, 787, 1272, 1282,
1294, 1402, 1569, 2359, 2366,
2373, 2381, 2389, 2422, 2452,
3761, 3763, 3769, 3771, 3772,
4261, 4346, 4688, 4748

\paragraphautorefname 1366

\parallel 3626

\parbox 4687, 4747

\partautorefname 1360

\partname 2946

\PassOptionsToClass 3523, 3524,
3525

\pbs 4631, 4632

\pdfstringdefDisableCommands
. 1381

\penalty 166, 172, 1976, 2874

\persian 2855

\PersianAlphs 2855, 2858, 3416,
3421, 3491

\persianday 4918

\PersianDisplayMathsDigits
. 3302, 4590, 4596

\persianfont 2606, 2846, 2848

\PersianInlineMathsDigits 3294,
4586, 4595

\PersianMathsDigits 3286, 4594

\persianmathsdigits 4503, 4587,
4591, 4599, 4603

\persianmathsfdigits 4530, 4588,
4592, 4600, 4604

\persianmathttdigits 4543, 4589,
4593, 4601, 4605

\persianmonth 4917

\persiansfdefault 2678, 2686,
2716, 2724

\persiansffamily 2684, 2685,
2702, 2717

\persiantoday 2861, 4912

\persianttdefault 2679, 2689,
2737, 2745

\persianttfamily 2687, 2688,
2703, 2738

\persianyear 4916

\pictureCaptionFormat 3714, 3716

\plftitle 1578



1957, 1974, 1985, 2358, 2359,
2365, 2366, 2372, 2373, 2380,
2381, 2388, 2389, 2395, 2417,
2421, 2422, 2429, 2451, 2452,
2459, 2484, 2504, 2505, 2506,
2507, 2508, 2509, 2510, 2511,
2512, 2513, 2883, 3228, 3382,
3394, 3406, 3567, 3574, 3576,
3578, 3585, 3592, 3593, 3594,
3595, 3596, 3648, 3649, 3650,
3661, 3662, 3663, 3754, 3859,
3895, 3915, 4254, 4264, 4269,
4635

`\renewenvironment` . . . 1337, 4744

`\repeat` 2918, 4887, 4896

`\RequirePackage`

. . . 2519, 2520, 2521, 2522,
3494, 3539, 3540, 3541, 3542,
3543, 3544, 3546, 3548, 3550,
3551, 3552, 3553, 3554, 4621,
4622, 4623, 4624, 4625, 4626

`\reserved@a` 1640, 1644, 1650, 1656,
1659, 1662, 1665, 1668, 1671,
1674

`\reserved@b` 1620, 1621

`\reset@font` . . . 1311, 2000, 2089,
2840, 2847, 2863, 2877

`\reset@latinfont` . . . 84, 86, 1289,
1290, 1330, 1332, 2837, 2851,
2853, 2857, 2864, 2883, 3230

`\restore@mathversion` 4424

`\restoreapp` 36

`\rightfootnoterule` 3345

`\rightline` 4258

`\rl` 1383, 2852, 2861

`\RLE` 2852

`\rmdefault` . . . 2605, 2613, 2633

`\Roman` 1196, 2403, 2437, 2467

`\roman` . . . 1195, 2404, 2438, 2468

`\romannumeral` . . 2412, 2446, 2476,
4886, 4895, 4905

`\RTL` 2855

`\RTLfoottextfont` 1291

`\rule` 3618, 3744, 3846, 3852, 3939,
3971

S

`\sayehdefault` . . 2683, 2701, 2800,
2808

`\sayehfamily` . . 2699, 2700, 2707,
2801

`\scriptsize` 3576

`\secondarticle` 3950, 3975, 3976,
3978

`\secondSubtitleFormat` . . . 3690,
3692

`\secondTextFormat` . . 3694, 3697

`\secondTitleFormat` . 3681, 3686,
3687

`\section` 2931

`\sectionautorefname` 1363

`\sectionname` 11, 1403

`\select@group` 4366

`\selectfont` 2610, 2630, 2655, 2673,
2686, 2689, 2692, 2695, 2698,
2701, 2721, 2742, 2763, 2784,
2805, 2826, 2843, 2850, 2924

`\set@mathdelimiter` 4431

`\set@fontsize` 3473

`\set@mathaccent` 4428

`\set@mathchar` 4428

`\set@mathdelimiter` 4430

`\set@mathsymbol` 4429

`\set@typeset@protect` 1306, 1310

`\setboolean`

. . . 2493, 2494, 3504, 3506,
3508, 3510, 3512, 3514, 3516,
3532, 3533, 3535, 3536, 3898,
3916, 4061, 4086, 4115, 4137

`\setbox` 150, 1687, 1730, 1834, 1836,
1837, 1927, 1930, 1937, 1940

`\setclass` . 1418, 1428, 1429, 1430,
1431, 1432, 1433, 1434, 1435

`\setcounter` 27, 29,
33, 41, 42, 47, 48, 53, 54, 59,
60, 100, 101, 111, 112, 118, 119,
130, 131, 1273, 1274, 1283,
1284, 1295, 1296, 1326, 1570,
1571, 2360, 2361, 2367, 2368,
2374, 2375, 2382, 2383, 2390,
2391, 2423, 2424, 2453, 2454,
2487, 2491, 2495, 2496, 2497,



	2498, 2499, 2500, 2501, 3776, 4657		
<code>\setdigitfont</code>	4490	<code>\sffamily</code>	3599
<code>\SetDisplayMathsDigits</code>	4581, 4590, 4602, 4612, 4615	<code>\shadowbox</code>	4171, 4224
<code>\SetEnumerateShortLabel</code>	1211, 1212, 1213, 1214, 1215	<code>\shadowsize</code>	4169, 4218, 4222
<code>\SetInlineMathsDigits</code>	4580, 4586, 4598, 4611, 4616	<code>\shipout</code>	1306
<code>\setiranicfont</code>	2814	<code>\shortarticleitem</code>	4354
<code>\setkeys</code>	141, 158	<code>\shortarticleItemTitleFormat</code>	3752, 3753
<code>\setlatinmonofont</code>	2640	<code>\shortarticleSubtitleFormat</code>	3750, 3751
<code>\setlatinsansfont</code>	2639	<code>\shortarticleTitleFormat</code>	3748, 3749
<code>\setlatintextfont</code>	2619, 3490	<code>\sixt@n</code>	1639, 1676
<code>\setlength</code>	1706, 1709, 1728, 3502, 3534, 3569, 3570, 3571, 3572, 3580, 3581, 3582, 3583, 3587, 3588, 3589, 3590, 3795, 3799, 3840, 3841, 3858, 3863, 3864, 3988, 4020, 4092, 4117, 4120, 4168, 4169, 4217, 4218, 4284, 4285, 4301, 4647, 4738, 4740	<code>\slftitle</code>	1584
<code>\setLTRcitationfont</code>	84	<code>\slttitle</code>	1585
<code>\SetMathAlphabet</code>	4427	<code>\small</code>	2932, 3578, 3579, 3633, 3637, 3643, 3714, 3736, 3755
<code>\SetMathAlphabet@</code>	4427	<code>\smash</code>	2935
<code>\SetMathCharDef</code>	4441, 4515	<code>\SOUL@tt</code>	2481, 2482
<code>\SetMathCode</code>	4439, 4504, 4505, 4506, 4507, 4508, 4509, 4510, 4511, 4512, 4513, 4514	<code>\space</code>	2002, 2091, 2517, 2880, 3186, 3802, 3803, 3943, 3944, 3946, 3975, 3976, 3978, 4009, 4010, 4012, 4029, 4030, 4032, 4050, 4051, 4053, 4149, 4150, 4152, 4259, 4678, 4913, 4914
<code>\setmathsfdigitfont</code>	4522	<code>\SplitFootnoteRule</code>	3347
<code>\setmathttdigitfont</code>	4535	<code>\stctitle</code>	1583
<code>\setmonofont</code>	2640	<code>\stepcounter</code>	26, 1325, 2489, 4653, 4666, 4697
<code>\setnavarfont</code>	2751	<code>\str</code>	2613, 2633, 2724, 2745, 2766, 2787, 2808, 2829
<code>\setpersianfont</code>	88, 1291, 1334, 2844, 2852, 2855, 2858, 2883	<code>\string</code>	67, 1765, 1799, 1888, 2257, 2876, 3444, 3448
<code>\setpersianmonofont</code>	2730	<code>\strip@pt</code>	2923
<code>\setpersiansansfont</code>	2709	<code>\subparagraphautorefname</code>	1367
<code>\setpookfont</code>	2772	<code>\subsectionautorefname</code>	1364
<code>\setsansfont</code>	2639	<code>\subsubsectionautorefname</code>	1365
<code>\setsayehfont</code>	2793	<code>\symnew@mathbf@font@digits</code>	4452
<code>\SetSymbolFont</code>	4426	<code>\symnew@mathit@font@digits</code>	4460
<code>\SetSymbolFont@</code>	4426	<code>\symnew@mathrm@font@digits</code>	4468
<code>\settextfont</code>	2598, 3235	<code>\symnew@mathsf@font@digits</code>	4476
<code>\setthesection</code>	1566	<code>\symnew@mathtt@font@digits</code>	4484



T	
<code>\tableautorefname</code>	1359
<code>\tablename</code>	2938
<code>\tabularxcolumn</code>	4635
<code>\tartibi</code>	1192, 1206, 1211, 2400, 2434, 2464, 3077
<code>\tartibinumeral</code>	3083
<code>\test</code>	1421, 1422, 1423
<code>\textbf</code>	2, 3, 1339, 1341, 1343, 1345, 4160, 4194, 4209, 4247
<code>\textblockorigin</code>	3820
<code>\textdegree</code>	3634
<code>\textheight</code>	3827, 3852
<code>\textiranic</code>	2704
<code>\textit</code>	3745
<code>\textnavar</code>	2705
<code>\textpersiansf</code>	2702
<code>\textpersiantt</code>	2703
<code>\textpook</code>	2706
<code>\textsayeh</code>	2707
<code>\textsc</code>	3747
<code>\textsuperscript</code>	1960
<code>\texttt</code>	3604
<code>\textwidth</code>	1733, 3826, 3846, 4158, 4684
<code>\textwidthfootnoterule</code>	3349
<code>\thanks</code>	3757, 3777
<code>\the</code>	137, 142, 1416, 1710, 2208, 2213, 2219, 2226, 2236, 2250, 2546, 2894, 2895, 2896, 2899, 2900, 2901, 2905, 2906, 2907, 2910, 2911, 2912, 3802, 3803, 4288, 4611, 4615, 4886, 4895, 4905
<code>\the@choice</code>	4656, 4678
<code>\thebook</code>	1567
<code>\thechapter</code>	20, 31, 103, 114, 121, 133, 1286, 1298, 1566, 1573, 2363, 2370, 2377, 2385, 2426, 2456
<code>\theclass</code>	1418, 1423
<code>\theHchapter</code>	1376, 1393
<code>\theHsection</code>	1375, 1391
<code>\thempfn</code>	1735
<code>\thempfootnote</code>	1735, 3227
<code>\theoremautorefname</code>	1369
<code>\thepage</code>	2002, 2019, 2049, 2091, 2880, 3644
<code>\thepart</code>	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1401, 1568, 2358, 2365, 2372, 2380, 2388, 2421, 2451
<code>\thequestion</code>	4677, 4717, 4753
<code>\thesection</code>	12, 34, 43, 49, 55, 61, 1275, 1404, 2392
<code>\thirdarticle</code>	3982, 4009, 4010, 4012
<code>\thirdSubtitleFormat</code>	3709, 3711
<code>\thirdTextFormat</code>	3712, 3713
<code>\thirdTitleFormat</code>	3700, 3705, 3706
<code>\thispagestyle</code>	3899, 3904
<code>\thr@@</code>	1762, 1781, 1782, 1796, 1817, 1818, 1844, 1856, 1857, 1885, 1912, 1913
<code>\timestamp</code>	3737, 3934, 3964, 4000
<code>\timestampFormat</code>	3736, 3738
<code>\timestampSeparator</code>	3735, 3740
<code>\timestampTxt</code>	3734, 3739
<code>\tiny</code>	3574
<code>\title</code>	3783
<code>\TitleBarFrame</code>	1339, 1341, 1343, 1345
<code>\tl</code>	2605, 2614, 2634, 2639, 2640, 2716, 2725, 2737, 2746, 2758, 2767, 2779, 2788, 2800, 2809, 2821, 2830, 4418, 4435, 4516, 4517, 4518, 4530, 4543
<code>\tmp</code>	4631
<code>\today</code>	2859, 2861, 4255
<code>\topmargin</code>	1318
<code>\TPHorizModule</code>	3615, 3840, 3939, 3971, 4022, 4069, 4070, 4093, 4094, 4117
<code>\TPVertModule</code>	3841
<code>\true</code>	4706
<code>\truesymbol</code>	4700
<code>\tw@</code>	1416, 1657, 1660, 1742, 1748, 1749, 1751, 1761, 1771, 1772, 1795, 1805, 1806,



	1843, 1849, 1850, 1855, 1884, 1894, 1895, 2103, 2894, 2895, 2896, 2899, 2900, 2901		
<code>\twocolumnstableofcontents</code>	..		
	..... 2928		
<code>\typeout</code>	..... 2545, 2547, 3788		
U			
<code>\Umathchardef</code>	..... 4442		
<code>\Umathcode</code>	..... 4440		
<code>\undefined</code>	1597, 4547, 4579, 4587, 4588, 4589, 4591, 4592, 4593, 4599, 4600, 4601, 4603, 4604, 4605		
<code>\unhbox</code>	..... 1719		
<code>\unpenalty</code>	..... 172		
<code>\unskip</code>	169, 1873, 1874, 1875, 1960, 2023, 2054		
<code>\unvbox</code>	..... 1719		
<code>\use</code>	2606, 2626, 2649, 2653, 2667, 2671, 2717, 2738, 2759, 2780, 2801, 2822		
<code>\use@mathgroup</code>	..... 4377		
<code>\usebox</code>	..... 3792		
<code>\usecounter</code>	..... 4690		
V			
<code>\value</code>	..... 2486, 4660, 4676		
<code>\vbox</code>	1306, 1319, 1690, 1707, 1712, 1713, 1730, 1837, 1927, 1931, 1937, 1941, 4331, 4357		
<code>\vcenter</code>	..... 1716, 1717		
<code>\verbatim@addtoline</code>	..... .. 2192, 2207, 2218, 2225, 2227, 2235, 2237, 2249, 2251		
<code>\verbatim@finish</code>	..... 2245		
<code>\verbatim@processline</code>	... 2196, 2209, 2229		
<code>\verbatim@startline</code>	2185, 2197, 2210, 2230		
<code>\version@elt</code>	..... 4423		
<code>\version@list</code>	..... 4423		
<code>\vfil</code>	..... 3758, 3774		
<code>\voidb@x</code>	..... 150		
<code>\vrb@catcodes</code>	..... 2179		
<code>\vskip</code>	1318, 1320, 1321, 3759, 3762, 3764, 3770		
<code>\vspace</code>	.. 3794, 3813, 3875, 3885, 3928, 3932, 3955, 3958, 3962, 3969, 3987, 3991, 3995, 4004, 4063, 4067, 4123, 4144, 4192, 4196, 4215, 4245, 4249, 4294, 4296, 4306, 4309, 4334, 4336, 4356, 4358, 4688, 4746, 4748		
<code>\vss</code>	..... 1719		
<code>\vtop</code>	..... 1714, 1715, 1836		
W			
<code>\weatherFormat</code>	..... 3629, 3631		
<code>\weatheritem</code>	.. 4035, 4050, 4051, 4053		
<code>\weatherTempFormat</code>	.. 3633, 4043		
<code>\weatherUnits</code>	..... 3634, 4045		
<code>\whiledo</code>	..... 4660		
<code>\width</code>	..... 1347, 2288, 2289		
<code>\write</code>	... 2876, 3384, 3396, 3408		
<code>\writexviiiifalse</code>	..... 2592		
<code>\writexviiiitruer</code>	..... 2590		
X			
<code>\X</code>	..... 4630		
<code>\x</code>	..... 2574, 2579		
<code>\xdef</code>	1377, 1395, 4377, 4656, 4661, 4685, 4686, 4707, 4708, 4711, 4712		
<code>\XePersian</code>	.... 1384, 2935, 3653		
<code>\xepersian</code>	..... 2266, 2268		
<code>\xepersian@adadi</code>	.. 2993, 3018		
<code>\xepersian@adadi@tartibi</code>	3094, 3119		
<code>\xepersian@A</code>	1412, 1428, 1442, 1444		
<code>\xepersian@adadi</code>	... 2987, 2992		
<code>\xepersian@adadi@tartibi</code>	3088, 3093		
<code>\xepersian@cmds@temp</code>	2569, 2587		
<code>\xepersian@coltitsize</code>	..... ... 3496, 4219, 4220, 4221, 4222, 4225, 4230, 4235, 4240		
<code>\xepersian@computeautoilg</code>	2890, 3477		
<code>\xepersian@cx</code>	.. 3823, 3828, 3845		



\XePersian@cy . . . 3824, 3829, 3851
\XePersian@d . . . 4759, 4784, 4889,
4908, 4910, 4913, 4918
\XePersian@D . . . 1409, 1430, 1431,
1432, 1433, 1437, 1438, 1439,
1441, 1442
\XePersian@dahgan . . . 3051, 3072,
3155
\XePersian@dahgan@tartibi 3153,
3161
\XePersian@dn
. . . 4779, 4878, 4886, 4889,
4892, 4896, 4908, 4910
\XePersian@dx . . . 3821, 3826, 3837,
3840
\XePersian@dy . . . 3822, 3827, 3838,
3841
\XePersian@edition 3603, 3607,
3643, 3763, 3895
\XePersian@editionLogo . . . 3605,
3873, 3891
\XePersian@editorialTit . . . 4300,
4319
\XePersian@editorialTitle 3746,
4305
\XePersian@everyjob 2546, 2547
\XePersian@firstText 3678, 3934
\XePersian@firstTitle . . . 3666,
3929
\XePersian@fmbox . . . 3789, 3791,
3792
\XePersian@footcenter . . . 3655,
3662, 3914
\XePersian@footleft 3657, 3661,
3913
\XePersian@footright 3652, 3663,
3912
\XePersian@gridcolumns . . . 3518,
3520, 3559, 3563
\XePersian@gridrows 3517, 3519,
3559, 3563
\XePersian@headcenter . . . 3639,
3649, 3911
\XePersian@headDateTime . . . 3625,
3879, 3893
\XePersian@headleft 3636, 3648,
3910
\XePersian@headright 3642, 3650,
3909
\XePersian@i
. . . 4759, 4882, 4883, 4885,
4886, 4887, 4890, 4894, 4895,
4898, 4899, 4902, 4905, 4907
\XePersian@ilg 2887, 2891, 2895,
2896, 2900, 2901, 2919
\XePersian@imgsize . . . 3495, 3796,
3797, 3799, 3808, 3809
\XePersian@incolumntitle 4206,
4225, 4230, 4235, 4240
\XePersian@indexEntry 3615, 4142
\XePersian@indexEntryPage 3621,
4142
\XePersian@indexFrameTitle 3611,
4118
\XePersian@indexwidth . . . 3499,
3618, 4117, 4121, 4122
\XePersian@inexpandedtitle . . .
4157, 4172, 4177, 4182, 4187
\XePersian@innerSubtitle 3733,
4273
\XePersian@innerTitle . . . 3722,
4272
\XePersian@kabisehfalse . . . 4829,
4835
\XePersian@kabisehtrue . . . 4835
\XePersian@kashida . . . 1415, 1437,
1438, 1439, 1440, 1441, 1442,
1443
\XePersian@L . . . 1410, 1434, 1438,
1439, 1440, 1443, 1444
\XePersian@latini . . . 4760, 4806
\XePersian@latinii . . . 4761, 4808,
4810
\XePersian@latiniii 4762, 4812
\XePersian@latiniv . . . 4763, 4813
\XePersian@latinix 4768, 4818
\XePersian@latinvi . . . 4764, 4814
\XePersian@latinvi . . . 4765, 4815
\XePersian@latinvii 4766, 4816
\XePersian@latinviii 4767, 4817
\XePersian@latinix . . . 4769, 4819
\XePersian@latinxi . . . 4770, 4820



\XePersian@latinxii	4771, 4821		3805, 4284, 4290
\XePersian@leapfalse	4791, 4795, 4801	\xepersian@pages	... 3719, 3954, 3986, 4271
\XePersian@leaptrue	4801, 4802	\XePersian@persian@month	4914, 4919
\xepersian@localize@verbatim@	..... 2187, 2188, 2190, 2198, 2211, 2220, 2231, 2239, 2253	\XePersian@persiani	4760, 4860, 4861, 4891, 4908
\xepersian@localize@verbatim@	..... 2190, 2191	\XePersian@persianii	4761, 4862
\xepersian@localize@verbatim@@	..... 2193, 2194	\XePersian@persianiii	... 4762, 4864, 4866
\xepersian@localize@verbatim@@@	..... 2193, 2194	\XePersian@persianiv	4763, 4868
\xepersian@localize@verbatim@@testend	..... 2233, 2243	\XePersian@persianix	4768, 4873
\xepersian@localize@verbatim@rescan	..... 2247, 2256	\XePersian@persianv	4764, 4869
\xepersian@localize@verbatim@start	. 2184, 2259, 2260, 2271	\XePersian@persianvi	4765, 4870
\xepersian@localize@verbatim@test	... 2202, 2204, 2205	\XePersian@persianvii	... 4766, 4871
\xepersian@localize@verbatim@testend	..... 2216, 2223	\XePersian@persianviii	.. 4767, 4872
\XePersian@m	... 4759, 4784, 4880, 4899, 4902, 4914, 4917	\XePersian@persianx	4769, 4874
\xepersian@milyoongan	... 3020, 3031	\XePersian@persianxi	4770, 4875
\xepersian@milyoongan@tartibi	..... 3121, 3132	\XePersian@persianxii	... 4771, 4876
\XePersian@mminusone	4781, 4880, 4881, 4883, 4887	\XePersian@persianxiii	.. 4772, 4877
\xepersian@ncol	.... 3850, 3851	\xepersian@pictureCaption	3715, 3811, 4025
\xepersian@ncolumns	3500, 4201, 4202, 4269	\xepersian@R	1411, 1429, 1441, 1443
\xepersian@nrow	.... 3844, 3845	\xepersian@sadgan	..... 3024, 3029, 3033, 3037, 3042, 3125, 3138
\xepersian@numberoutofrange	... 2978, 2989, 3090	\xepersian@sadgan@tartibi	3130, 3134, 3143
\xepersian@numberstring	. 2975, 2983	\xepersian@say	3788, 4268, 4288, 4291, 4293, 4317, 4343
\xepersian@numberstring@tartibi	..... 3081, 3084	\xepersian@secondSubtitle	3691, 3960
\xepersian@PackageInfo	... 4438, 4498	\xepersian@secondText	... 3695, 3964
\xepersian@pageleft	3498, 4285, 4286, 4288, 4290	\xepersian@secondTitle	.. 3682, 3956
\xepersian@pageneed	..... 3497, 3799, 3800, 3802,	\xepersian@section	. 3635, 3640, 4264
		\xepersian@shellescape	.. 2589
		\xepersian@shortarticleItemTitle	..... 3753, 4357
		\xepersian@shortarticleSubtitle	



..... 3751, 4337
 \xepersian@shortarticleTit ... 4828, 4831, 4832, 4833, 4834,
 4329, 4344 4841, 4842, 4843, 4844, 4845,
 \xepersian@shortarticleTitle . 4846, 4848, 4849, 4850, 4851,
 3749, 4333 4852, 4853, 4854, 4855
 \XePersian@sn \xepersian@thirdSubtitle 3710,
 .. 4780, 4879, 4891, 4892, 3993
 4895, 4896, 4905, 4910 \xepersian@thirdText 3713, 4000
 \xepersian@strutilg 2888, 2891, \xepersian@thirdTitle ... 3701,
 2906, 2907, 2911, 2912, 2919, 3989
 2920, 2923, 3478, 3481 \XePersian@thirtytwo 4778, 4822,
 \xepersian@tartibi . 3081, 3166 4829
 \xepersian@tcl \xepersian@V 1413, 1435
 .. 2886, 2891, 2893, 2894, \xepersian@weather . 3630, 4065
 2895, 2896, 2899, 2900, 2901, \xepersian@www 3600, 3873
 2905, 2906, 2907, 2910, 2911, \xepersian@wwwFormat 3599, 3601
 2912, 2917, 2918 \XePersian@y
 \XePersian@temp 4759, 4784, 4785, 4788,
 .. 4774, 4785, 4786, 4787, 4798, 4801, 4823, 4837, 4900,
 4789, 4793, 4794, 4795, 4798, 4903, 4914, 4916
 4799, 4800, 4801, 4823, 4824, \xepersian@yekani . 3024, 3052,
 4825, 4828, 4829, 4831, 4834, 3056, 3063, 3066, 3125
 4835, 4839, 4840, 4843, 4846, \xepersian@yekanii . 2975, 3037,
 4851, 4856, 4858, 4859, 4861 3062, 3138
 \xepersian@tempa \xepersian@yekaniiiii 3033, 3065,
 .. 3280, 3288, 3296, 3304, 3134
 3311, 3319, 3326, 3333, 3339, \xepersian@yekaniv . 3044, 3068,
 3351, 3357, 3363, 3367, 3371, 3145
 3377, 3390, 3402, 3414, 3433, \xepersian@yekanv .. 3157, 3173
 3440 \XePersian@yModHundred
 \xepersian@tempb 4777, 4788, 4789, 4790,
 .. 3280, 3281, 3288, 3289, 4793, 4797
 3296, 3297, 3304, 3305, 3311, \xepersian@zwj .. 1407, 1415, 1416
 3312, 3319, 3320, 3326, 3327, \xepersiandate . 2516, 2517, 2533
 3333, 3334, 3339, 3340, 3351, \xepersianInit 3556, 3857
 3352, 3357, 3358, 3363, 3364, \xepersianversion .. 2515, 2517,
 3367, 3368, 3371, 3372, 3377, 2533, 2548
 3378, 3390, 3391, 3402, 3403, \XeTeXcharclass 1423
 3414, 3415, 3433, 3434, 3440, \XeTeXcharglyph
 3441 ... 1416, 2894, 2895, 2896,
 \XePersian@tempthree 2899, 2900, 2901, 2905, 2906,
 .. 4776, 4837, 4838, 4839, 2907, 2910, 2911, 2912
 4841, 4844, 4847, 4848, 4852, \XeTeXglyphbounds
 4855, 4856, 4857, 4858 ... 1416, 2894, 2895, 2896,
 \XePersian@temptwo 2899, 2900, 2901, 2905, 2906,
 .. 4775, 4825, 4826, 4827, 2907, 2910, 2911, 2912
 \XeTeXinterchartoks 1437,



1438, 1439, 1440, 1441, 1442,
 1443, 1444
 \xpg@warning . . . 3179, 3184, 3186

Y

\y 2575, 2577, 2579
 \year 4784

Z

\z 2576, 2577
 \z@ 10, 18, 152, 153,
 164, 166, 1317, 1402, 1635,
 1735, 1739, 1744, 1745, 1753,
 1763, 1767, 1768, 1773, 1787,
 1797, 1801, 1802, 1807, 1823,
 1845, 1846, 1857, 1875, 1886,
 1890, 1891, 1904, 1918, 2105,
 2151, 2153, 2162, 2286, 2287,
 2294, 2295, 2891, 2894, 2899,
 2905, 2910, 3019, 3021, 3023,
 3027, 3043, 3046, 3052, 3120,
 3122, 3124, 3128, 3144, 3147,
 3157, 3186, 3208, 3212, 3216,
 3219, 4835
 \z@skip 1315, 1316
 \ziffer@check 4553, 4554
 \ziffer@dcheck 4552, 4553
 \ziffer@DotOri 4550, 4553
 \ZifferAn 4548, 4551
 \ZifferLeer 4553, 4579

\ 119, 1575, 2171
 \ 1599, 1601, 1604, 1611
 \ 1604
 \ 1589, 1596, 1597, 1600, 1601,
 1609, 1611
 \ 1594, 1595, 1599, 1606
 \ 1587, 1593, 1594, 1599, 1604, 1605
 \ 1120, 1121, 1122, 1123, 1124,
 1125, 1126, 1127, 1597
 \ 1599, 1600, 1605, 1606, 1608,
 1609
 \ 1599, 1604
 \ 1599, 1600, 1605, 1609
 \ 1594, 1595

\ 1599, 1601, 1606, 1611
 @ \ 1588, 1592

@ \ 2296, 2297, 2298, 2299,
 2300, 2301, 2302, 2303, 2304,
 2305, 2306, 2307, 2308, 2309,
 2310, 2311, 2312, 2313, 2314,
 2315, 2316, 2317

@ \ 1588
 \ 1594
 \ 1588, 1592
 \ 1950, 2258
 \ 2172
 \ 1595, 1947, 1948

\ 1587
 \ 1590
 \ 1589, 1591



8 Change History

v13.1	General: Added implementation of the package.	0
v13.2	General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code>	117
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	149
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	85

