



The XePersian *Package*

Documentation for *version* 19.5

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 ϵ} , using Xe \TeX engine

Documentation for [version 19.5](#)

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Contents

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

4	New Conditionals	43	7	xepersian implementation	55
4.1	Shell escape (or write18) 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 FarsiT _E X 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
*
* v19.5, 2017/12/19
*
* 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:

- ❶ 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.
- ❷ 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.

¹**Simorgh** 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 `ĩ` is grouped under `l`) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ĩ` 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{<command-name in Persian>}{<original LaTeX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LaTeX environment-name>}
```

Table 1: The Equivalent \LaTeX and \TeX Commands

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

Continued on next page



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

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
\ClassWarning	\هشدارطبقه
\ClassWarningNoLine	\هشدارطبقه بی سطر
\cleaders	\نشانگرمرکزی
\cleardoublepage	\دو صفحه پاک
\clearpage	\صفحه پاک
\cline	\خط ناپر
\closein	\ببندورودی
\closeout	\ببندخروجی
\closing	\بستن
\clubpenalty	\جریمه سربند
\clubsuit	\خاج
\colbotmark	\علامت پایین ستون اول
\colfirstmark	\علامت اول ستون اول
\color	\رنگ
\colorbox	\کادررنگ
\coltopmark	\علامت بالای ستون اول
\columncolor	\رنگ ستون
\columnsep	\بین ستون
\columnwidth	\پهنای ستون
\columnseprule	\خط بین ستون
\contentsline	\سطرفهرست
\contentsname	\عنوان فهرست مطالب
\copy	\کپی
\copyright	\حق تالیف
\count	\شمار
\count@	\شمار@
\countdef	\تعریف شمار
\cr	\سخ
\crr	\سخ سخ
\csname	\نام فرمان
\CurrentOption	\گزینه جاری
\dashbox	\کادر بینابین
\dashv	\بینابین ع
\@date	\@تاریخ
\date	\تاریخ
\day	\روز
\dblbotfigrule	\خط پایین شناورپهن
\dblbottomfraction	\نسبت پهن پایین
\dblfigrule	\خط بالای شناورپهن
\dblfloatpagefraction	\نسبت صفحه شناورپهن

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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>\dblftntlocatecode</code>	\کدامکان 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

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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>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifcase</code>	\گرا نواع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گر ته پرونده
<code>\iff</code>	\گرر
<code>\iffalse</code>	\گر نادریست
<code>\IfFileExists</code>	\گر پرونده موجود
<code>\ifhbox</code>	\گر کادرا
<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 کادرو
<code>\ifvmode</code>	\گر حالت و
<code>\ifvoid</code>	\گر نهی
<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 گر موجود
<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

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Command in T _E X or L ^A T _E X	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>\قلب</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 _E X or L ^A T _E X	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>\سطرشکن</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 بپایین</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@زاریک</code>
<code>\@Mii</code>	<code>\ده@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\بیس@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

\month	\ماه
\moveleft	\انتقال بچپ
\moveright	\انتقال برآست
\mskip	\فاصله ریاضی
\m@th	\ری@ضی
\multicolumn	\چندستونی
\multiply	\ضرب
\multispan	\چندادغام
\muskip	\میوفاصله
\muskipdef	\تعریف میوفاصله
\@namedef	\@ترنام
\@nameuse	\@کاربردنام
\@ne	\یک@
\name	\نام
\natural	\طبیعی
\nearrow	\باریک
\nearrower	\باریکتر
\NeedsTeXFormat	\شکلبندی مورد نیاز
\neg	\منفی
\negmedspace	\فضای متوسط منفی
\negthickspace	\فضای ضخیم منفی
\negthinspace	\دوری کوچک منفی
\newboolean	\بولی نو
\newbox	\کادر جدید
\newcommand	\فرمان نو
\newcount	\شمار جدید
\newcounter	\شمارنده جدید
\newdimen	\بعد جدید
\newenvironment	\محیط نو
\newfam	\خانواده جدید
\newfont	\قلم نو
\newhelp	\کمک جدید
\newif	\اگر جدید
\newinsert	\درج جدید
\newlabel	\برچسب جدید
\newlength	\تعریف بعد جدید
\newline	\سطر جدید
\newlinechar	\نویسه سطر جدید
\newmuskip	\میوفاصله جدید
\newpage	\صفحه جدید

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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>\در حاشیه 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>\سطربه 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>\pagefilllstretch</code>	<code>\کشش پرر 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>\رجوع 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 _E X or L ^A T _E X	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>\مکث</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>\رادیكال</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>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتيکت</code>
<code>\rangle</code>	<code>\زاويه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادر قرينه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شماره ده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفع آخرين فاصله</code>
<code>\renewcommand</code>	<code>\فرمان از نو</code>
<code>\renewenvironment</code>	<code>\محيط از نو</code>
<code>\repeat</code>	<code>\از نو</code>
<code>\RequirePackage</code>	<code>\سبک مورد نیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک مورد نیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادر کشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی از دو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقدار</code>

Continued on next page



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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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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	\@کادرقت 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	\@جزقت 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	\اتیکت
\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>	\میلۀ متنی
<code>\textgreater</code>	\بزرگ ترممتی
<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 متني
<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>	\سبك متني
<code>\textsuperscript</code>	\بالا نویس متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<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>	\سبك این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
\times	\ضرب در
\title	\عنوان
\to	\به
\today	\امروز
\toks	\جزء
\toksdef	\تعریف جزء
\tolerance	\حدبدنمایی
\top	\بالا
\topfigrule	\خط بالای شناور
\topfraction	\نسبت بالا
\topmargin	\حاشیه بالا
\topmark	\علامت بالا
\toppageskip	\کادر تا بالا
\topsep	\فاصله بالای لیست
\topskip	\فاصله بالا
\totalheight	\بلندای کل
\tracingall	\ردگیری کل
\tracingcommands	\ردگیری فرامین
\tracinglostchars	\ردگیری حروف
\tracingmacros	\ردگیری ماکروها
\tracingonline	\ردگیری نمایشی
\tracingoutput	\ردگیری صفحه بندی
\tracingpages	\ردگیری صفحات
\tracingparagraphs	\ردگیری بندها
\tracingrestores	\ردگیری بازگردانی
\tracingstats	\ردگیری آمارها
\triangle	\مثلث
\ttdefault	\پیش فرض تایپ
\ttfamily	\فامیل تایپ
\tw@	\دو@
\twocolumn	\دو ستون
\typein	\درنویس
\typeout	\برنویس
\uccode	\کد بزرگ
\uchyph	\تیره بندی بزرگ
\undefined	\تعریف نشده
\underline	\زیرخط
\unhbox	\بی کادرا
\unhcopy	\بی کپی
\unitlength	\واحد طول

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پرزعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>
<code>\voidb@x</code>	<code>\ک@درتهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادرگود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>

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>\ترگج</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
\plq	\علامت چپ نقل قول پارسی
\prq	\علامت راست نقل قول پارسی
\rightfootnoterule	\خط زیرنویس راست
\rl	\متن پارسی
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانوش
\RTLfootnotetext	\متن پانوش
\RTLthanks	\پانوش عنوان
\@SepMark	\@علامت بین
\SepMark	\علامت بین
\setdefaultbibitems	\بگذارمرجوعات عادی
\setdefaultmarginpar	\بگذاردرحاشیه عادی
\setdigitfont	\گزینش قلم اعداد فرمولها
\setfootnoteLR	\بگذارزیرنویس چپ
\setfootnoteRL	\بگذارزیرنویس راست
\setlatintextfont	\گزینش قلم لاتین متن
\setLTR	\بگذارمتن چپ
\setLTRbibitems	\بگذارمرجوعات چپ
\setLTRmarginpar	\بگذاردرحاشیه چپ
\setRTL	\بگذارمتن راست
\setRTLbibitems	\بگذارمرجوعات راست
\setRTLmarginpar	\بگذاردرحاشیه راست
\settextfont	\گزینش قلم متن
\textwidthfootnoterule	\خط زیرنویس پهنای متن
\twocolumnstableofcontents	\فهرست مطالب دوستونی
\unsetfootnoteRL	\نگذارزیرنویس راست
\unsetLTR	\نگذارمتن چپ
\unsetRTL	\نگذارمتن راست
\vboxL	\کادر وازچپ
\vboxR	\کادر وازراست
\XeLaTeX	\زی لاتک
\XePersian	\زی پرشین
\xepersianversion	\گونه زی پرشین
\xepersiandate	\تاریخ گونه زی پرشین
\XeTeX	\زی تک

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

Continued on next page



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 چپ
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	جاگذاری
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	همانطور که هست
verbatim*	همانطور که 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	تحويل 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

Continued on next page



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}  
\iranicfamily \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 `LTItems` 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 [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

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 $\langle image \rangle$ and $\langle description \rangle$. 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 $\langle title \rangle$ 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{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), $\langle day-name \rangle$ like Monday, $\langle max \rangle$ and $\langle min \rangle$ are the highest and lowest day temperatures and $\langle short-des \rangle$ 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 [subsubsection 6.1.5](#), the `editorial` environment [subsubsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsubsection 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}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle pagesof \rangle}{\langle label \rangle}  
... \langle text \rangle ...  
\end{article}
```

The first argument $\langle num-of-columns \rangle$ sets the number of columns the article will be divided whereas $\langle label \rangle$ 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}
```

```
\columnntitle \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

```
\columnntitle{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 *`\section name`*. 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 \custommagazinenam
```

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>}  
\custommagazinenam{<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 [subsubsection 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 layout.

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 \TeX 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{    }\{belowdisplayshortskip}
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@tempswa\}
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{      }{nearrow}
684 \eqcommand{      }{nearrower}
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{      }\{@outeqntrue\}
746 \eqcommand{      }\{@outeqnfalse\}
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{ @}{sift@@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{ }{subseteq}
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{@ }{@tempskipa}
957 \eqcommand{@ }{@tempskipb}
958 \eqcommand{@ }{@tempswafalse}
959 \eqcommand{@ }{@tempswatruel}

```



```

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{      }\{vpageref}
1094 \eqcommand{      }\{vrboxsep}
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

```



[illegible]

7.22 enumitem-xepersian.def

```

1205 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1206 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1207 \AddEnumerateCounter*\adadi\@adadi{999999999}
1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }
1211 \SetEnumerateShortLabel{ }\@tartibi*}
1212 \SetEnumerateShortLabel{ }\@adadi*}
1213 \SetEnumerateShortLabel{ }\@harfi*}
1214 \SetEnumerateShortLabel{ }\@Abjad*}
1215 \SetEnumerateShortLabel{ }\@abjad*}

```

7.23 latex-localise-environments-xepersian.def

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation
1217 \eqenvironment{ }{abstract}
1218 \eqenvironment{ }{appendix}
1219 \eqenvironment{ }{array}
1220 \eqenvironment{ }{center}
1221 \eqenvironment{ }{description}
1222 \eqenvironment{ }{displaymath}
1223 \eqenvironment{ }{document}
1224 \eqenvironment{ }{enumerate}
1225 \eqenvironment{ }{figure}
1226 \eqenvironment{ *}{figure*}
1227 \eqenvironment{ }{filecontents}
1228 \eqenvironment{ *}{filecontents*}
1229 \eqenvironment{ }{flushleft}
1230 \eqenvironment{ }{flushright}
1231 \eqenvironment{ }{itemize}
1232 \eqenvironment{ }{letter}
1233 \eqenvironment{ }{list}
1234 \eqenvironment{ }{longtable}
1235 \eqenvironment{ }{lrbox}
1236 \eqenvironment{ }{math}
1237 \eqenvironment{ }{matrix}
1238 \eqenvironment{ }{minipage}
1239 \eqenvironment{ }{multline}
1240 \eqenvironment{ }{note}
1241 \eqenvironment{ }{overlay}
1242 \eqenvironment{ }{picture}
1243 \eqenvironment{ }{quotation}
1244 \eqenvironment{ }{quote}
1245 \eqenvironment{ }{slide}
1246 \eqenvironment{ }{sloppypar}

```



```

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 imspc-xepersian.def

```

1399 \ProvidesFile{imspc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspc 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@zwj="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@zwj\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@urllloaded@\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 \@nocument
1617 \def \@captive {#1}%
1618 \def \@fps {#2}%
1619 \@onelevel@sanitize \@fps
1620 \def \reserved@a {!}%
1621 \ifx \reserved@a \@fps
1622 \@fpsadddefault
1623 \else
1624 \ifx \@fps \@empty
1625 \@fpsadddefault
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\@iiiiparbox#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#1\top
1716 \else\ifmmode\center
1717 \else\@pboxswtrue $\center
1718 \fi\fi\fi\fi\fi
1719 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1720 \csname bm@#3\endcsname}%
1721 \if@pboxsw \m@th$\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 #1\@chnum \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 #1|\@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 \fi
1788 \fi \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\@ne \else
1804 \if \@nextchar \if@RTLtab else\ fi\@ne\ \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 |\@ne \let\@arrayrule\adl@arrayrule \else
1809 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1810 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \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 \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 \@ne \else
1848 \if \if@RTLtab#1\else#1\fi\@chnum \@ne \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 \@firststampfalse \@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 \@firststampfalse \@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

```



[illegible]

```

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@activetrue
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@mbox}%
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@mbox
2124          }%
2125        }%
2126      }{%
2127        \@tempswatrue
2128        \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2129          \if@tempswa\NAT@citea@mbox\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@mbox{\NAT@super@kern\NAT@@open}%
2137      \fi
2138      \if*#1*\else#1\NAT@spacechar\fi
2139      \NAT@mbox{\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>\z@}{\NAT@last@yr}{}%
2152 \ifNAT@swa\else
2153 \@ifnum{\NAT@ctype=\z@}{%
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\z@\NAT@partrue\NAT@swatrue
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     \ifx\@tempc\@currenvir
2245         \verbatim@finish

```



```

2246         \edef\next{\noexpand\end{\@currentvir}%
2247             \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}}%
2248     \else
2249         \expandafter\verbatim@addtoline
2250         \expandafter{\the\@temptokena[]}%
2251         \expandafter\verbatim@addtoline
2252         \expandafter{\@tempc[]}%
2253         \let\next\xepersian@localize@verbatim@
2254     \fi
2255     \next}%
2256     \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2257         \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2258 \def\
2259     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2260     \xepersian@localize@verbatim@start}
2261 \def\
2262     {\endtrivlist\endgroup\@doendpe}
2263 \expandafter\let\csname end
2264     *\endcsname =\end
2265 \expandafter\let\csname end
2266     *\endcsname =\end
2267 \expandafter\let\csname end
2268     *\endcsname =\end
2269 \expandafter\let\csname end
2270     *\endcsname =\end
2271 \expandafter\let\csname end
2272     *\endcsname =\end
2273 \expandafter\let\csname end
2274     *\endcsname =\end
2275 \expandafter\let\csname end
2276     *\endcsname =\end
2277 \expandafter\let\csname end
2278     *\endcsname =\end
2279 \expandafter\let\csname end
2280     *\endcsname =\end
2281 \expandafter\let\csname end
2282     *\endcsname =\end
2283 \expandafter\let\csname end
2284     *\endcsname =\end
2285 \expandafter\let\csname end
2286     *\endcsname =\end
2287 \expandafter\let\csname end
2288     *\endcsname =\end
2289 \expandafter\let\csname end
2290     *\endcsname =\end
2291 \expandafter\let\csname end
2292     *\endcsname =\end
2293 \expandafter\let\csname end
2294     *\endcsname =\end
2295 \expandafter\let\csname end
2296     *\endcsname =\end

```




```

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 exclam
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 scrartcl-xepersian.def

```

2387 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl 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\cleardoubleoddpage\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 scrreprt-xepersian.def

```

2450 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2451 \renewcommand*{\thepart}{\@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\@latalph%
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{v19.5}
2516 \def\xepersiandate{2017/12/19}

```



```

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\xepersian@strip@v\xepersianversion{\expandafter\@gobble\xepersianversion}
2549 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2550 \ifdim\xepersian@strip@v > #1 pt %
2551 \expandafter\@firstoftwo
2552 \else
2553 \expandafter\@secondoftwo
2554 \fi}
2555 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2556 \ifdim\xepersian@strip@v < #1 pt %
2557 \expandafter\@firstoftwo
2558 \else
2559 \expandafter\@secondoftwo
2560 \fi}
2561 \newcommand*{\IfxepersianPackageVersion}[1]{%
2562 \ifdim\xepersian@strip@v = #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   \writexviiitrue
2591 \else
2592   \writexviiifalse
2593 \fi
2594 \newfontscript{Parsi}{arab}
2595 \newfontlanguage{Parsi}{FAR}
2596 \ExplSyntaxOn
2597
2598 \DeclareDocumentCommand \settextfont { O{} m O{} }
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:cnn { 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:cnn { 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\persianttfamily
2688   {\not@math@alphabet\persianttfamily\mathpersiantt
2689   \fontfamily\persianttdefault\selectfont}
2690 \DeclareRobustCommand\iranicsfamily
2691   {\not@math@alphabet\iranicsfamily\mathiranics
2692   \fontfamily\iranicsdefault\selectfont}
2693 \DeclareRobustCommand\navarsfamily
2694   {\not@math@alphabet\navarsfamily\mathnavar
2695   \fontfamily\navarsfdefault\selectfont}
2696 \DeclareRobustCommand\pooksfamily
2697   {\not@math@alphabet\pooksfamily\mathpook
2698   \fontfamily\pooksfdefault\selectfont}
2699 \DeclareRobustCommand\sayehsfamily
2700   {\not@math@alphabet\sayehsfamily\mathsayeh
2701   \fontfamily\sayehsfdefault\selectfont}
2702 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2703 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2704 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
2705 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
2706 \DeclareTextFontCommand{\textpook}{\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_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi
2758   \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2759   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2760   {
2761     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2762     \exp_not:N \fontfamily { \g__xepersian_navarfamilly_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 \setiraniconfont { 0{ } m 0{ } }
2815 {
2816   \__xepersian_main_setiraniconfont: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,Mapping=
2821   \tl_set_eq:NN \iraniconfont \g__xepersian_iranicfamily_family
2822   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
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} {\iraniconfont}
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\fontsize\font@baselineskip%
2843   \selectfont}
2844 \def\setpersianfont{%
2845   \@nonlatintrue%
2846   \let\normalfont\persianfont%
2847   \let\reset@font\normalfont%
2848   \persianfont%
2849   \fontsize\fontsize\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{latinitems}}
2858 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{persiitems}}
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 \G@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 multicols 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

```



xepersian implementation 118



```

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@yekaniiii#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\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\ %
3168 \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\ %
3175 \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\@latinalph\@alph%
3222 \let\@latinAlph\@Alph%
3223 \def\LatinAlphs{%
3224 \let\@alph\@latinalph%
3225 \let\@Alph\@latinAlph%
3226 }
3227 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
3228 \renewcommand*{\bidi@thebibliographyfont@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{biditytutesidenote}{\input{biditytutesidenote-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,lef
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]{righttol
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,
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
3434 \DeclareOptionX{fontsizescale}{%
3435 \def\xepersian@@fontsize@scale{#1}%
3436 }
3437
3438 \define@choicekey{xepersian.sty}{computeautoilg}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]{on}
3439 \ifcase\xepersian@tempb\relax
3440 \xepersian@@computeautoilgtrue
3441 \or
3442 \xepersian@@computeautoilgfalse
3443 \fi}
3444
3445 \define@choicekey{xepersian.sty}{DetectColumn}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]{on}{on}
3446 \ifcase\xepersian@tempb\relax
3447 \def\bidi@firstcolumn@status@write{%
3448 \protected@write\@auxout{}%
3449 {\string\bidi@column@status
3450 {1}}}%
3451 \def\bidi@lastcolumn@status@write{%
3452 \protected@write\@auxout{}%
3453 {\string\bidi@column@status{2}}}%
3454 \or
3455 \let\bidi@firstcolumn@status@write\relax
3456 \let\bidi@lastcolumn@status@write\relax
3457 \fi}
3458
3459
3460 \ExecuteOptionsX{%
3461 documentdirection=righttoleft,
3462 tabledirection=righttoleft,
3463 script=nonlatin,
3464 footnotedirection=righttoleft,
3465 footnoterule=automatic,

```




```

3466     abjadvariant=two,
3467     DetectColumn=off,
3468     fontsizescale=\@ne
3469 }
3470
3471 \ProcessOptionsX
3472
3473 \ifextrafootnotefeatures
3474   \input{extrafootnotefeatures-xetex-bidi.def}
3475   \input{extrafootnotefeatures-xepersian.def}
3476 \fi
3477
3478 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
3479   \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
3480 }{}{}
3481
3482 \if\xepersian@computeautoilg
3483 \bidi@patchcmd{\set@fontsize}{%
3484 \baselineskip\f@baselineskip\relax
3485 }{%
3486 \baselineskip\f@baselineskip\relax
3487 \xepersian@computeautoilg
3488 \ifdim\xepersian@strutilg>\baselineskip
3489   \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3490   \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3491   \baselineskip\xepersian@strutilg
3492   \ifdim\footnotesep=.7\baselineskip
3493     \else
3494       \footnotesep.7\baselineskip
3495   \fi
3496 \fi
3497 }{}{}
3498 \fi
3499
3500 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita}
3501 \PersianAlphs

```

7.57 xepersian-magazine.cls

```

3502 \NeedsTeXFormat{LaTeX2e}
3503 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3504 \RequirePackage{ifthen}
3505 \newlength{\xepersian@imgsize}
3506 \newlength{\xepersian@coltitsize}
3507 \newlength{\xepersian@pageneed}
3508 \newlength{\xepersian@pageleft}
3509 \newlength{\xepersian@indexwidth}
3510 \newcommand{\xepersian@ncolumns}{0}
3511 \newlength{\columnlines}
3512 \setlength{\columnlines}{0 pt} % no lines by default

```



```

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

```



```

3563 \RequirePackage{setspace} % set space between lines
3564 \RequirePackage{ragged2e}
3565 \newcommand{\raggedFormat}{\RaggedLeft}
3566 \AtEndOfClass{\xepersianInit}
3567 \ifthenelse{\boolean{xepersian@showgrid}}{%
3568 \AtBeginDocument{
3569 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3570 \advance\minraggedcols by -1
3571 }{%
3572 \AtBeginDocument{
3573 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3574 \advance\minraggedcols by -1
3575 }
3576 \ifthenelse{\boolean{xepersian@ninepoints}}{
3577 \renewcommand{\normalsize}{%
3578   \@setfontsize{\normalsize}{9pt}{10pt}%
3579   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3580   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3581   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3582   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3583
3584 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3585
3586 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3587
3588 \renewcommand{\small}{%
3589   \@setfontsize{\small}{8pt}{9pt}%
3590   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3591   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3592   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3593   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3594
3595 \renewcommand{\footnotesize}{%
3596   \@setfontsize{\footnotesize}{8pt}{9pt}%
3597   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3598   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3599   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3600   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3601
3602 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3603 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3604 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3605 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3606 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3607 }{}
3608 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3609 \newcommand{\xepersian@wwwFormat}{\sffamily}
3610 \newcommand{\xepersian@www}{%
3611 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3612 }

```



```

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

```



```

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

```



```

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

```



```

3763 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
3764 \renewcommand{\maketitle}{\begin{titlepage}%
3765   \let\footnotesize\small
3766   \let\footnoterule\relax
3767   \let \footnote \thanks
3768   \null\vfil
3769   \vskip 60\p@
3770   \begin{center}%
3771     {\LARGE \@title \par}%
3772     \vskip 1em%
3773     {\LARGE «\xepersian@edition» \par}%
3774     \vskip 3em%
3775     {\large
3776       \lineskip .75em%
3777       \begin{tabular}[t]{c}%
3778         \@author
3779       \end{tabular}\par}%
3780     \vskip 1.5em%
3781     {\large \@date \par}%
3782   \end{center}\par
3783   \@thanks
3784   \vfil\null
3785   \end{titlepage}%
3786   \setcounter{footnote}{0}%
3787   \global\let\thanks\relax
3788   \global\let\maketitle\relax
3789   \global\let\@thanks\@empty
3790   \global\let\@author\@empty
3791   \global\let\@date\@empty
3792   \global\let\@title\@empty
3793   \global\let\title\relax
3794   \global\let\author\relax
3795   \global\let\date\relax
3796   \global\let\and\relax
3797 }
3798 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3799 \newsavebox{\xepersian@fmbox}
3800 \newenvironment{xepersian@fmpage}[1]
3801 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3802 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3803 \newcommand{\image}[2]{
3804   \vspace{5pt}
3805   \setlength{\fboxsep}{1pt}
3806   \addtolength{\xepersian@imgsize}{\columnwidth}
3807   \addtolength{\xepersian@imgsize}{-1\columnsep}
3808   \ifxetex
3809     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3810     \addtolength{\xepersian@pageneed}{50pt}
3811   \ClassWarning{xepersian-magazine}{%
3812     Image #1 needs: \the\xepersian@pageneed \space %

```



```

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

```




```

3863 \end{textblock}
3864 }
3865 }{}
3866 }
3867 \newcommand{\xepersianInit}{
3868 \setlength{\headheight}{14pt}
3869 \renewcommand{\headrulewidth}{0.4pt}
3870
3871 \pagestyle{fancy}
3872
3873 \setlength{\columnseprule}{\columnlines}
3874 \setlength{\fboxrule}{0.1 pt}
3875
3876 }
3877
3878 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3879 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3880 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3881 \newcommand{\logo}[0]{
3882 %% Heading %%
3883 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3884
3885 \vspace*{-3pt}
3886
3887 {\Large\bfseries \@customlogo}
3888 \hrulefill
3889 \hspace{10pt}\xepersian@headDateTime
3890
3891 }
3892 \newcommand{\minilogo}[0]{
3893 {\large\bfseries \@customminilogo}
3894
3895 \vspace*{5pt}
3896 }
3897 \newcommand{\mylogo}[1]{
3898 {\beginR#1\endR}
3899
3900 \noindent
3901 \xepersian@editionLogo\hspace{5pt}
3902 \hrulefill
3903 \hspace{5pt}\xepersian@headDateTime
3904 }
3905 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3906 \newenvironment{frontpage}[0]
3907 {
3908 \setboolean{xepersian@insidefrontpage}{true}
3909 \thispagestyle{empty}
3910 \logo
3911
3912 }%

```



```

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

```



```

3963 \begin{textblock}{33}(2,16)
3964 \xepersian@pages{#4}
3965 \vspace{-5pt}
3966 \xepersian@secondTitle{#1}
3967
3968 \vspace*{5pt}
3969
3970 \xepersian@secondSubtitle{#2}
3971
3972 \vspace*{-7pt}
3973
3974 \xepersian@secondText{\timestamp{#5}~#3}
3975
3976 \end{textblock}
3977
3978 \begin{textblock}{33}(2,25)
3979 \vspace{5pt plus 2pt minus 2pt}
3980
3981 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
3982 \end{textblock}
3983 }{%else
3984 \ClassError{xepersian-magazine}{%
3985 \protect\secondarticle\space in a wrong place.\MessageBreak
3986 \protect\secondarticle\space may only appear inside frontpage environment.
3987 }{%
3988 \protect\secondarticle\space may only appear inside frontpage environment.
3989 }%
3990 }
3991 }
3992 \newcommand{\thirdarticle}[6]
3993 {
3994 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3995 \begin{textblock}{32}(2,26)
3996 \xepersian@pages{#5}
3997 \vspace{-5pt}
3998 \setlength{\fboxsep}{1pt}
3999 \xepersian@thirdTitle{#1}
4000
4001 \vspace*{5pt}
4002
4003 \xepersian@thirdSubtitle{#2}
4004
4005 \vspace*{5pt}
4006
4007 {\noindent\ignorespaces %
4008 \ifthenelse{\equal{#4}{}}{}{}
4009
4010 \xepersian@thirdText{\timestamp{#6}~#3}
4011
4012 }

```



```

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

```



```

4063 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4064 weatherblock environment may only appear inside frontpage environment.
4065 }%
4066 }
4067 }
4068 \newenvironment{weatherblock}[1]
4069 {
4070 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4071 \setboolean{xepersian@insideweather}{true}
4072 \begin{textblock}{32}(2,38)
4073 \vspace*{-15pt}
4074
4075 \xepersian@weather{\beginR#1\endR}
4076
4077 \vspace*{5pt}
4078
4079 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4080 \begin{minipage}{32\TPHorizModule}
4081 \hspace{5pt}
4082
4083 }{%
4084 \ClassError{xepersian-magazine}{%
4085 weatherblock in a wrong place.\MessageBreak
4086 weatherblock may only appear inside frontpage environment.
4087 }{%
4088 weatherblock may only appear inside frontpage environment.
4089 }
4090 }
4091 }%
4092 {
4093 \end{minipage}
4094 \end{xepersian@fmpage}
4095 \end{textblock}
4096 \setboolean{xepersian@insideweather}{false}
4097 }
4098 \newenvironment{authorblock}[0]
4099 {
4100 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4101 \begin{textblock}{15}(36,35)
4102 \setlength{\fboxsep}{5pt}
4103 \begin{xepersian@fmpage}{13\TPHorizModule}
4104 \begin{minipage}{13\TPHorizModule}
4105 \centering
4106 \minilogo
4107
4108 }{%else
4109 \ClassError{xepersian-magazine}{%
4110 authorblock in a wrong place.\MessageBreak
4111 authorblock may only appear inside frontpage environment.
4112 }{%

```



```

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

```



```

4163 indexblock environment may only appear inside frontpage environment.
4164 }%
4165 }
4166 }
4167 \newcommand{\xepersian@inexpandedtitle}[1]{
4168 \begin{minipage}{.95\textwidth}
4169 \begin{center}
4170 \noindent\Large\textbf{\beginR#1\endR}
4171 \end{center}
4172 \end{minipage}
4173 }
4174 \newcommand{\expandedtitle}[2]{
4175 \end{multicols}
4176
4177 \begin{center}
4178 \setlength{\fboxsep}{5pt}
4179 \setlength{\shadowsize}{2pt}
4180 \ifthenelse{\equal{#1}{shadowbox}}{%
4181 \shadowbox{%
4182 \xepersian@inexpandedtitle{#2}%
4183 }%
4184 }{}
4185 \ifthenelse{\equal{#1}{doublebox}}{%
4186 \doublebox{%
4187 \xepersian@inexpandedtitle{#2}%
4188 }%
4189 }{}
4190 \ifthenelse{\equal{#1}{ovalbox}}{%
4191 \ovalbox{%
4192 \xepersian@inexpandedtitle{#2}%
4193 }%
4194 }{}
4195 \ifthenelse{\equal{#1}{ovalbox}}{%
4196 \ovalbox{%
4197 \xepersian@inexpandedtitle{#2}%
4198 }%
4199 }{}
4200 \ifthenelse{\equal{#1}{lines}}{
4201 \hrule
4202 \vspace*{8pt}
4203 \begin{center}
4204 \noindent\Large\textbf{#2}
4205 \end{center}
4206 \vspace*{8pt}
4207 \hrule
4208 }{}
4209 \end{center}
4210
4211 \begin{multicols}{\xepersian@ncolumns{}}
4212 \ifnum \xepersian@ncolumns > \minraggedcols

```



```

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

```




```

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

```



```

4313 \begin{tabular}{c}
4314 \noindent
4315 \xepersian@editorialTitle{#1}
4316 \vspace{2pt plus 1pt minus 1pt}
4317 \\
4318 \hline
4319 \vspace{2pt plus 1pt minus 1pt}
4320 \\
4321 \editorialAuthorFormat{#2}
4322 \end{tabular}
4323 \end{center}
4324 }
4325 \newenvironment{editorial}[4]
4326 {
4327 \xepersian@say{Adding a new editorial}
4328 \begin{multicols}{#1}[%
4329 \xepersian@editorialTit{#2}{#3}%
4330 ] [4cm]
4331 \label{#4}
4332 \ifnum #1 > \minraggedcols
4333 \raggedFormat
4334 \fi
4335 }
4336 {
4337 \end{multicols}
4338 }
4339 \newcommand{\xepersian@shortarticleTit}[2]{
4340 \begin{center}
4341 \vbox{%
4342 \noindent
4343 \xepersian@shortarticleTitle{#1}
4344 \vspace{4pt plus 2pt minus 2pt}
4345 \hrule
4346 \vspace{4pt plus 2pt minus 2pt}
4347 \xepersian@shortarticleSubtitle{#2}
4348 }
4349 \end{center}
4350 }
4351 \newenvironment{shortarticle}[4]
4352 {
4353 \xepersian@say{Adding a short article block}
4354 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4355 \label{#4}
4356 \par %
4357 \ifnum #1 > \minraggedcols
4358 \raggedFormat
4359 \fi
4360 }
4361 {
4362 \end{multicols}

```



```

4363 }
4364 \newcommand{\shortarticleitem}[2]{
4365 \goodbreak
4366 \vspace{5pt plus 3pt minus 3pt}
4367 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4368 \vspace{5pt plus 3pt minus 3pt}
4369 {\noindent #2}\\
4370 }

```

7.58 xepersian-mathsdigitspec.sty

```

4371 \NeedsTeXFormat{LaTeX2e}
4372 \ProvidesPackage{xepersian-mathsdigitspec}
4373 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4374 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4375 \let\newfam\new@mathgroup
4376 \def\select@group#1#2#3#4{%
4377 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4378 {%
4379 \ifmmode
4380 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4381 \begingroup
4382 \escapechar\m@ne
4383 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4384 \globaldefs\@ne \math@fonts
4385 \endgroup
4386 \init@restore@version
4387 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4388 {\number\csname c@mv@\math@version\endcsname}}}%
4389 \global\advance\csname c@mv@\math@version\endcsname\@ne
4390 \else
4391 \let#1\relax
4392 \latex@error{Too many math alphabets used in
4393 version \math@version}%
4394 \@eha
4395 \fi
4396 \else \expandafter\non@alpherr\fi
4397 #1{#4}%
4398 }%
4399 }
4400 \def\document@select@group#1#2#3#4{%
4401 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4402 {%
4403 \ifmmode
4404 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4405 \begingroup
4406 \escapechar\m@ne
4407 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4408 \globaldefs\@ne \math@fonts
4409 \endgroup

```



```

4410 \expandafter\extract@alph@from@version
4411 \csname mv@\math@version\expandafter\endcsname
4412 \expandafter{\number\csname
4413 c@mv@\math@version\endcsname}%
4414 #1%
4415 \global\advance\csname c@mv@\math@version\endcsname\@ne
4416 \else
4417 \let#1\relax
4418 \@latex@error{Too many math alphabets used
4419 in version \math@version}%
4420 \@eha
4421 \fi
4422 \else \expandafter\non@alpherr\fi
4423 #1{#4}%
4424 }%
4425 }
4426 \ExplSyntaxOn
4427 \bool_set_false:N \g__fontspec_math_bool
4428 \tl_map_inline:nn
4429 {
4430 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4431 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4432 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4433 \version@list\version@elt\alpha@list\alpha@elt
4434 \restore@mathversion\init@restore@version\dorestore@version\process@table
4435 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4436 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4437 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4438 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4439 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4440 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4441 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
4442 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4443 }
4444 {
4445 \tl_remove_once:Nn \@preamblecmds {\do#1}
4446 }
4447 \ExplSyntaxOff
4448 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4449 \newcommand\SetMathCode[4]{%
4450 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4451 \newcommand\SetMathCharDef[4]{%
4452 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4453 \ExplSyntaxOn
4454 \cs_new_eq:NN \orig_mathbf:n \mathbf
4455 \cs_new_eq:NN \orig_mathit:n \mathit
4456 \cs_new_eq:NN \orig_mathrm:n \mathrm
4457 \cs_new_eq:NN \orig_mathsf:n \mathsf
4458 \cs_new_eq:NN \orig_mathtt:n \mathtt
4459 \NewDocumentCommand \new@mathbf { m } {

```



```

4460 \orig_mathbf:n {
4461   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4462     \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4463   }
4464   #1
4465 }
4466 }
4467 \NewDocumentCommand \new@mathit { m } {
4468   \orig_mathit:n {
4469     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4470       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4471     }
4472     #1
4473   }
4474 }
4475 \NewDocumentCommand \new@mathrm { m } {
4476   \orig_mathrm:n {
4477     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4478       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4479     }
4480     #1
4481   }
4482 }
4483 \NewDocumentCommand \new@mathsf { m } {
4484   \orig_mathsf:n {
4485     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4486       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4487     }
4488     #1
4489   }
4490 }
4491 \NewDocumentCommand \new@mathtt { m } {
4492   \orig_mathtt:n {
4493     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4494       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4495     }
4496     #1
4497   }
4498 }
4499
4500 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
4501 {
4502   \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4503 }
4504 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4505 {
4506   \let\glb@currsizel\relax
4507   \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4508   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4509   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}

```



```

4510 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4511 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4512 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4513 \def\persianmathsfdigits{%
4514 \SetMathCode{`0}{\mathalpha}{\OPERATORS}{`0}
4515 \SetMathCode{`1}{\mathalpha}{\OPERATORS}{`1}
4516 \SetMathCode{`2}{\mathalpha}{\OPERATORS}{`2}
4517 \SetMathCode{`3}{\mathalpha}{\OPERATORS}{`3}
4518 \SetMathCode{`4}{\mathalpha}{\OPERATORS}{`4}
4519 \SetMathCode{`5}{\mathalpha}{\OPERATORS}{`5}
4520 \SetMathCode{`6}{\mathalpha}{\OPERATORS}{`6}
4521 \SetMathCode{`7}{\mathalpha}{\OPERATORS}{`7}
4522 \SetMathCode{`8}{\mathalpha}{\OPERATORS}{`8}
4523 \SetMathCode{`9}{\mathalpha}{\OPERATORS}{`9}
4524 \SetMathCode{`\%}{\mathbin}{\OPERATORS}{` }

4525 \SetMathCharDef{\decimalseparator}{\mathord}{\OPERATORS}{"066B}
4526 \tl_set_eq:NN \mathbf \new@mathbf
4527 \tl_set_eq:NN \mathit \new@mathit
4528 \tl_set_eq:NN \mathrm \new@mathrm}
4529 }
4530
4531
4532 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4533 {
4534 \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4535 }
4536 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4537 {
4538 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4539 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4540 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4541 }
4542
4543
4544
4545 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4546 {
4547 \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4548 }
4549 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4550 {
4551 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4552 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4553 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4554 }
4555
4556 \ExplSyntaxOff
4557 \ifx\newcommand\undefined\else
4558 \newcommand{\ZifferAn}{ }

```



```

4559 \fi
4560 \mathchardef\ziffer@DotOri="013A
4561 {\ZifferAn
4562 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4563 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4564 \def\ziffer@check#1#2{%
4565 \ifx\n1\endgroup#1\else
4566 \ifx\n2\endgroup#1\else
4567 \ifx\n3\endgroup#1\else
4568 \ifx\n4\endgroup#1\else
4569 \ifx\n5\endgroup#1\else
4570 \ifx\n6\endgroup#1\else
4571 \ifx\n7\endgroup#1\else
4572 \ifx\n8\endgroup#1\else
4573 \ifx\n9\endgroup#1\else
4574 \ifx\n0\endgroup#1\else
4575 \ifx\n\overline\endgroup#1\else
4576 \endgroup#2%
4577 \fi
4578 \fi
4579 \fi
4580 \fi
4581 \fi
4582 \fi
4583 \fi
4584 \fi
4585 \fi
4586 \fi
4587 \fi}
4588 \mathcode`.= "8000\relax
4589 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4590 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4591 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4592 \def\DefaultMathsDigits{%
4593 \DefaultInlineMathsDigits%
4594 \DefaultDisplayMathsDigits%
4595 }
4596 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4597 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4598 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4599 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4600 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4601 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4602 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4603 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4604 \def\PersianMathsDigits{%
4605 \PersianInlineMathsDigits%
4606 \PersianDisplayMathsDigits%
4607 }
4608 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%

```



```

4609 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4610 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4611 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4612 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4613 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4614 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4615 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4616 \def\AutoMathsDigits{%
4617   \AutoInlineMathsDigits%
4618   \AutoDisplayMathsDigits%
4619 }
4620 \AutoMathsDigits
4621 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
4622   \let\SetDisplayMathsDigits\relax%
4623 }
4624 \everydisplay\expandafter{%
4625   \the\everydisplay\SetDisplayMathsDigits%
4626   \let\SetInlineMathsDigits\relax%
4627 }

```

7.59 xepersian-multiplechoice.sty

```

4628 \NeedsTeXFormat{LaTeX2e}
4629 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4630   Multiple Choice Questionnaire class for Persian in XeLaTeX]
4631 \RequirePackage{pifont}
4632 \RequirePackage{fullpage}
4633 \RequirePackage{ifthen}
4634 \RequirePackage{calc}
4635 \RequirePackage{verbatim}
4636 \RequirePackage{tabularx}
4637 \def\@headerfont{\bfseries}
4638 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4639 \def\@X{X}
4640 \newcommand\X[1]{\gdef\@X{#1}}
4641 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4642 \newcolumnntype{D}{>\pbs\centering}X}
4643 \newcolumnntype{Q}{>\@headerfont}X}
4644
4645 \renewcommand\tabularxcolumn[1]{m{#1}}
4646 \newcommand\makeform@nocorrection{%
4647   \addtocontents{frm}{\protect\end{tabularx}}
4648   \@starttoc{frm}}
4649 \newcommand\makeform@correction{%
4650   \addtocontents{frm}{\protect\end{tabularx}}}
4651 \newcommand\makemask@nocorrection{%
4652   \addtocontents{msk}{\protect\end{tabularx}}
4653   \@starttoc{msk}}
4654 \newcommand\makemask@correction{%
4655   \addtocontents{msk}{\protect\end{tabularx}}}

```




```

4656 \newlength\questionspace
4657 \setlength\questionspace{0pt}
4658 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4659 \def\@answerstitlefont{\bfseries}
4660 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4661 \def\@answernumberfont{\bfseries}
4662 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4663 \newcounter{question}\stepcounter{question}
4664 \newcounter{@choice}
4665 \def\@initorcheck{%
4666   \xdef\@choices{\the@choice}%
4667   \setcounter{choice}{1}%
4668   \gdef\@arraydesc{|Q|}%
4669   \gdef\@headerline{%
4670     \whiledo{\not{\value{choice}>\@choices}}{
4671       \xdef\@arraydesc{\@arraydesc D|}
4672       \def\@appendheader{\g@addto@macro\@headerline}
4673       \@appendheader{\protect\@headerfont}
4674       \edef\@the@choice{{\alph{choice}}}
4675       \expandafter\@appendheader\@the@choice
4676       \stepcounter{choice}}%
4677   \addtocontents{frm}{%
4678     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4679     \protect\hline
4680     \@headerline\protect\\\protect\hline\protect\hline}%
4681   \addtocontents{msk}{%
4682     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4683     \protect\hline
4684     \@headerline\protect\\\protect\hline\protect\hline}%
4685   \gdef\@initorcheck{%
4686     \ifthenelse{\value{choice} = \@choices}{}%
4687     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4688       (\the@choice\space instead of \@choices)}{%
4689       Questions must all have the same number of proposed answers.%
4690       \MessageBreak
4691       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
4692 \newenvironment{question}[1]{%
4693   %% \begin{question}
4694   \begin{minipage}{\textwidth}
4695     \xdef\@formanswerline{\@questionheader}%
4696     \xdef\@maskanswerline{\@questionheader}%
4697     \fbox{\parbox[c]{\linewidth}{#1}}
4698     \vspace\questionspace\par
4699     {\@answerstitlefont\@answerstitle}
4700     \begin{list}{\@answernumberfont\alph{choice}}~{\usecounter{choice}}}%
4701   %% \end{question}
4702   \end{list}
4703   \@initorcheck%
4704   \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4705   \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%

```



```

4706 \end{minipage}
4707 \stepcounter{question}}
4708 \def\@truesymbol{\ding{52}~}
4709 \def\@falsesymbol{\ding{56}~}
4710 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4711 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4712 \def\@true@nocorrection{\item}
4713 \def\@false@nocorrection{\item}
4714 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
4715 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
4716 \newcommand\true{%
4717 \xdef\@formanswerline{\@formanswerline&}%
4718 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4719 \@true}%
4720 \newcommand\false{%
4721 \xdef\@formanswerline{\@formanswerline&}%
4722 \xdef\@maskanswerline{\@maskanswerline&}%
4723 \@false}%
4724 \def\@correctionstyle{\itshape}
4725 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4726 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4727 \def\@questionheader{\thequestion}
4728 \answerstyle{
4729 \DeclareOption{nocorrection}{%
4730 \let\@true\@true@nocorrection
4731 \let\@false\@false@nocorrection
4732 \let\correction\comment
4733 \let\endcorrection\endcomment
4734 \def\makeform{\makeform@nocorrection}
4735 \def\makemask{\makemask@nocorrection}}
4736 \DeclareOption{correction}{%
4737 \let\@true\@true@correction
4738 \let\@false\@false@correction
4739 \let\correction\@correction
4740 \let\endcorrection\end@correction
4741 \def\makeform{\makeform@correction}
4742 \def\makemask{\makemask@correction}}
4743 \ExecuteOptions{nocorrection}
4744 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4745 \def\@questiontitlefont{\bfseries}
4746 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4747 \newlength\questiontitlespace
4748 \setlength\questiontitlespace{5pt}
4749 \newlength\questionsepspace
4750 \setlength\questionsepspace{20pt}
4751 \gdef\@questionsepspace{0pt}
4752 \let\old@question\question
4753 \let\old@endquestion\endquestion
4754 \renewenvironment{question}[1]{%
4755 %% \begin{question}

```



```

4756 \vspace{@questionsepspace}
4757 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4758 \nopagebreak\vspace{questiontitlespace}\par
4759 \old@question{#1}}{\%
4760 %% \end{question}
4761 \old@endquestion
4762 \gdef\@questionsepspace{\questionsepspace}}
4763 \questiontitle{ \thequestion:}
4764 \ProcessOptions

```

7.60 xepersian-persiancal.sty

```

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

```



```

4803 \XePersian@temp=\XePersian@yModHundred
4804 \divide\XePersian@temp by 2\relax
4805 \ifodd\XePersian@temp\XePersian@leapfalse
4806 \else
4807     \ifnum\XePersian@yModHundred=0%
4808         \XePersian@temp=\XePersian@y
4809         \divide\XePersian@temp by 400\relax
4810         \multiply\XePersian@temp by 400\relax
4811         \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4812     \else\XePersian@leaptrue
4813 \fi
4814 \fi
4815 \fi
4816 \XePersian@latini=31\relax
4817 \ifXePersian@leap
4818     \XePersian@latinii = 29\relax
4819 \else
4820     \XePersian@latinii = 28\relax
4821 \fi
4822 \XePersian@latiniii = 31\relax
4823 \XePersian@latiniv = 30\relax
4824 \XePersian@latin v = 31\relax
4825 \XePersian@latinvi = 30\relax
4826 \XePersian@latinvii = 31\relax
4827 \XePersian@latinviii = 31\relax
4828 \XePersian@latinix = 30\relax
4829 \XePersian@latinx = 31\relax
4830 \XePersian@latinxi = 30\relax
4831 \XePersian@latinxii = 31\relax
4832 \XePersian@thirtytwo=32\relax
4833 \XePersian@temp=\XePersian@y
4834 \advance\XePersian@temp by -17\relax
4835 \XePersian@temptwo=\XePersian@temp
4836 \divide\XePersian@temptwo by 33\relax
4837 \multiply\XePersian@temptwo by 33\relax
4838 \advance\XePersian@temp by -\XePersian@temptwo
4839 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfal se
4840 \else
4841     \XePersian@temptwo=\XePersian@temp
4842     \divide\XePersian@temptwo by 4\relax
4843     \multiply\XePersian@temptwo by 4\relax
4844     \advance\XePersian@temp by -\XePersian@temptwo
4845     \ifnum\XePersian@temp=z0\XePersian@kabisehtrue\else\XePersian@kabisehfal se\fi
4846 \fi
4847 \XePersian@tempthree=\XePersian@y % Number of Leap years
4848 \advance\XePersian@tempthree by -1
4849 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4850 \divide\XePersian@temp by 4\relax
4851 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4852 \divide\XePersian@temptwo by 100\relax

```



```

4853 \advance\XePersian@temp by -\XePersian@temptwo
4854 \XePersian@temptwo=\XePersian@temptthree % T := T + ((MY-1) div 400)
4855 \divide\XePersian@temptwo by 400\relax
4856 \advance\XePersian@temp by \XePersian@temptwo
4857 \advance\XePersian@temptthree by -611 % Number of Kabise years
4858 \XePersian@temptwo=\XePersian@temptthree % T := T - ((SY+10) div 33) * 8
4859 \divide\XePersian@temptwo by 33\relax
4860 \multiply\XePersian@temptwo by 8\relax
4861 \advance\XePersian@temp by -\XePersian@temptwo
4862 \XePersian@temptwo=\XePersian@temptthree %
4863 \divide\XePersian@temptwo by 33\relax
4864 \multiply\XePersian@temptwo by 33\relax
4865 \advance\XePersian@temptthree by -\XePersian@temptwo
4866 \ifnum\XePersian@temptthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
4867 \divide\XePersian@temptthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4868 \advance\XePersian@temp by -\XePersian@temptthree
4869 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4870 \XePersian@persiani=31
4871 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4872 \XePersian@persianii = 30\relax
4873 \ifXePersian@kabiseh
4874 \XePersian@persianiii = 30\relax
4875 \else
4876 \XePersian@persianiii = 29\relax
4877 \fi
4878 \XePersian@persianiv = 31\relax
4879 \XePersian@persianv = 31\relax
4880 \XePersian@persianvi = 31\relax
4881 \XePersian@persianvii = 31\relax
4882 \XePersian@persianviii= 31\relax
4883 \XePersian@persianix = 31\relax
4884 \XePersian@persianx = 30\relax
4885 \XePersian@persianxi = 30\relax
4886 \XePersian@persianxii = 30\relax
4887 \XePersian@persianxiii= 30\relax
4888 \XePersian@dn= 0\relax
4889 \XePersian@sn= 0\relax
4890 \XePersian@mminusone=\XePersian@m
4891 \advance\XePersian@mminusone by -1\relax
4892 \XePersian@i=0\relax
4893 \ifnum\XePersian@i < \XePersian@mminusone
4894 \loop
4895 \advance \XePersian@i by 1\relax
4896 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4897 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4898 \fi
4899 \advance \XePersian@dn by \XePersian@d
4900 \XePersian@i=1\relax
4901 \XePersian@sn = \XePersian@persiani
4902 \ifnum \XePersian@sn<\XePersian@dn

```



```

4903 \loop
4904 \advance \XePersian@i by 1\relax
4905 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4906 \ifnum \XePersian@sn<\XePersian@dn \repeat
4907 \fi
4908 \ifnum \XePersian@i < 4
4909   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4910   \advance \XePersian@y by -622\relax
4911 \else
4912   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4913   \advance \XePersian@y by -621\relax
4914 \fi
4915 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4916 \endcsname
4917 \ifnum\XePersian@i = 1
4918   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
4919 \else
4920   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4921 \fi
4922 \newcommand*{\persiantoday}{\%
4923 \number\XePersian@d\space%
4924 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4925 }
4926 \let\persianyear\XePersian@y
4927 \let\persianmonth\XePersian@m
4928 \let\persianday\XePersian@d
4929 \def\XePersian@persian@month#1{\ifcase#1\or or\
4930 or\
4931 or\   or\
4932 or\
4933 or\   or\
4934 or\   or\
4935 or\   or\
4936 \fi\

```



Index

Symbols	
\!	2180
\%	4524
\.	4562
\@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	4440
\DeclareMathSizes	4431
\@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	4639, 4640, 4718
\@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	4661, 4662, 4700
\@answerstitle	4658, 4699
\@answerstitlefont	4659, 4660, 4699
\@appendheader	4672, 4673, 4675
\@arrayclassz	1860
\@arraydesc	4668, 4671, 4678, 4682
\@arrayrule	1808, 1809, 1810, 1852, 1853, 1854
\@author	3778, 3790
\@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, 3448, 3452
\@begin@tempboxa	1707
\@biblabel	1972, 1981
\@bibsetup	1973, 1982
\@bidi@list@minipage@parbox@not@nobtrue	
	1704, 1726
\@bidi@list@minipage@parboxtrue	

..... 1705, 1727
 \@bidi@strip@v@xepersianversion
 . 2548, 2550, 2556, 2562
 \@bidi@tuftesidenote@LTRmarginfont
 86
 \@bidi@tuftesidenote@RTLmarginfont
 88
 \@bsphack 1629
 \@capttype . 1617, 1680, 1927, 1937
 \@cclvi 4374, 4380, 4404
 \@chapapp . . 30, 102, 113, 120, 132,
 1285, 1297, 1572, 2362, 2369,
 2376, 2384, 2425, 2455
 \@chclass . 1742, 1750, 1758, 1773,
 1787, 1792, 1807, 1823, 1843,
 1851, 1881, 1904, 1918
 \@chnum 1744, 1745, 1746, 1747, 1748,
 1749, 1759, 1766, 1780, 1793,
 1800, 1816, 1829, 1845, 1846,
 1847, 1848, 1849, 1850, 1864,
 1872, 1882, 1889, 1911
 \@choices 4666, 4670, 4686, 4688
 \@cite 1959, 1966, 1978, 1994, 2083,
 2873
 \@cite@ofmt 2881
 \@citea . . 1999, 2013, 2027, 2036,
 2037, 2038, 2043, 2058, 2066,
 2067, 2068, 2102, 2118, 2136,
 2872, 2874
 \@citeb . . 1995, 1997, 1999, 2002,
 2004, 2005, 2007, 2030, 2061,
 2084, 2086, 2088, 2091, 2093,
 2094, 2096, 2873, 2875, 2876,
 2877, 2880, 2881
 \@citex 1970, 1979
 \@classx 1826
 \@classz 1826
 \@correction 4739
 \@correctionstyle . . 4724, 4725,
 4726
 \@ctrerr 2963, 2968
 \@currbox . 1637, 1683, 1687, 1926,
 1930, 1936, 1940
 \@currenvir . . 2244, 2246, 2247
 \@customlogo 3878, 3887
 \@custommagazinename 3647, 3880
 \@customminilogo . . . 3879, 3893
 \@customwwwTxt . 3608, 3611, 3663
 \@date 3781, 3791
 \@dgroup 148
 \@dmath 136, 165
 \@doendpe 2261
 \@dseries 161
 \@eha 4394, 4420
 \@empty 151, 1624,
 1984, 1994, 1997, 2083, 2086,
 2215, 2872, 2875, 3057, 3063,
 3066, 3069, 3174, 3789, 3790,
 3791, 3792
 \@emptytoks 150
 \@enGroup 1199
 \@enLabel . . 1190, 1191, 1192, 1193,
 1194, 1195, 1196, 1197
 \@enOther 1201
 \@enSpace 1198
 \@end@tempboxa 1722
 \@endpbox 1836, 1837
 \@enhook 1202
 \@enloop@ 1189
 \@entemp 1190, 1191, 1192, 1193, 1194,
 1195, 1196, 1197, 1198, 1199,
 1200
 \@enum@ 1200
 \@extra@b@citeb
 . . 1999, 2005, 2007, 2030,
 2061, 2088, 2094, 2096
 \@extrafootnotefeaturesfalse .
 3375
 \@extrafootnotefeaturestrue .
 3373
 \@false 4723, 4731, 4738
 \@false@correction . 4715, 4738
 \@false@nocorrection 4713, 4731
 \@falsesymbol . . 4709, 4711, 4715
 \@firstampfalse . . . 1862, 1870
 \@firstofone . . . 1382, 1383, 1997,
 2086, 2875, 4377, 4401
 \@firstoftwo . . . 2551, 2557, 2563
 \@float@HH 1923, 1924
 \@float@Hx 1922, 1923
 \@float@ 1923, 1934
 \@floatboxreset 1693, 1932, 1942



<code>\@floatcapt</code>	1927, 1937	<code>\@ifstar</code>	2163
<code>\@floatpenalty</code> . .	1630, 1632, 1635	<code>\@ifundefined</code> . . .	72, 1999, 2005, 2088, 2094, 2877
<code>\@flstylefalse</code>	1929, 1939	<code>\@ignoretrue</code>	172
<code>\@flstyletrue</code>	1929, 1939	<code>\@iiiminipage</code>	1723
<code>\@fltovf</code>	1685	<code>\@iiiparbox</code>	1701
<code>\@footnotetext</code>	1736	<code>\@indexfile</code> . .	3383, 3395, 3407
<code>\@for</code>	1995, 2084, 2873	<code>\@initorcheck</code> .	4665, 4685, 4703
<code>\@formanswerline</code> . . .	4695, 4704, 4717, 4721	<code>\@inlabelfalse</code>	139
<code>\@fps</code> . .	1618, 1619, 1621, 1624, 1641	<code>\@input@</code>	3385, 3397, 3409
<code>\@fpsadddefault</code>	1622, 1625	<code>\@lastchclass</code> . .	1742, 1743, 1759, 1760, 1761, 1762, 1764, 1793, 1794, 1795, 1796, 1798, 1843, 1844, 1860, 1868, 1882, 1883, 1884, 1885, 1887
<code>\@freelist</code>	1637	<code>\@latex@error</code>	4392, 4418
<code>\@gobble</code> . .	1200, 1312, 1313, 1314, 2548	<code>\@latex@warning</code>	2879
<code>\@harfi</code>	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	<code>\@latinAlph</code>	3222, 3225
<code>\@headerfont</code> . .	4637, 4638, 4643, 4673	<code>\@latinalph</code> . .	2485, 3221, 3224, 3227
<code>\@headerline</code> . .	4669, 4672, 4680, 4684	<code>\@listdepth</code>	1739
<code>\@ifclassloaded</code> . . . . .	.. 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	<code>\@m</code> .	1976, 2874, 2997, 3098, 3192
<code>\@ifdefinable</code>	2279, 2281	<code>\@mainmatterfalse</code> .	97, 108, 126, 1279, 2419
<code>\@ifdefinitionfileloaded</code>	1614, 1757, 1790, 1880, 1921, 3237, 3238	<code>\@maskanswerline</code> . . .	4696, 4705, 4718, 4722
<code>\@ifnextchar</code> . . .	1923, 2164, 2170, 2870	<code>\@memfront</code>	1564
<code>\@ifnum</code> 2101, 2103, 2105, 2112, 2113, 2116, 2128, 2151, 2153		<code>\@minipagefalse</code>	2867
<code>\@ifpackageloaded</code>	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	<code>\@minipagerestore</code>	1740
		<code>\@minipagetrue</code>	2866
		<code>\@mpLTrfootnotetext</code>	1737
		<code>\@mpRTLfootnotetext</code>	1738
		<code>\@mpargs</code>	1729
		<code>\@mpfn</code>	1735
		<code>\@mpfootnotetext</code>	1736
		<code>\@mplistdepth</code>	1739
		<code>\@namedef</code> 1953, 2007, 2096, 2260	
		<code>\@one</code>	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, 3468, 4384,



4389, 4408, 4415
 \@newlistfalse 1305
 \@next 1637
 \@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
 \@nextchar 1915
 \@nil 2190, 2194, 2195, 2200, 2202,
 3015, 3018, 3116, 3119
 \@nodocument 1616
 \@nonlatinfalse 2838, 3328
 \@nonlatintrue 2845, 3330
 \@onelevel@sanitize 1619
 \@outputbox 1322
 \@outputpage 1300
 \@parboxrestore 1305, 1692, 1707,
 1734, 1931, 1941
 \@parboxto 1710, 1719
 \@parmoderr 1635
 \@pboxswfalse 1703, 1725
 \@pboxswtrue 1717
 \@ppsavesec 25
 \@preamble 1863, 1871
 \@preamblecmds 4445
 \@preamerr 1753, 1787, 1823, 1857,
 1918
 \@questionheader ... 4695, 4696,
 4727
 \@questionsepspace . 4751, 4756,
 4762
 \@questiontitle 4744, 4757
 \@questiontitlefont 4745, 4746,
 4757
 \@resetactivechars 1303
 \@resets@pp 24, 1388, 1389
 \@roman 2411, 2445, 2475
 \@safe@activesfalse 1998, 2087
 \@safe@activetrue . 1996, 2085
 \@secondoftwo . 2553, 2559, 2565
 \@setfontsize
 .. 3578, 3584, 3586, 3589,
 3596, 3602, 3603, 3604, 3605,
 3606
 \@setfipsbit 1657, 1660, 1663, 1666,
 1669, 1672
 \@setminipage 1741
 \@setnobreak 1932, 1942
 \@sharp ... 1865, 1866, 1867, 1873,
 1874, 1875
 \@smemfront 1565
 \@sptoken 1198
 \@startpbox 1836, 1837
 \@starttoc ... 2933, 4648, 4653
 \@stop 2396, 2430, 2460
 \@sx@xepersian@localize@verbatim
 1953
 \@tabclassz 1868
 \@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
 \@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
 \@tempboxa 1730
 \@tempc .. 2215, 2228, 2238, 2240,
 2241, 2244, 2252
 \@tempcnta 1639,
 1645, 1647, 1651, 1653, 1675,
 1676, 1682, 1683, 1827, 2110,
 2111, 2112, 2115, 2116
 \@tempcntb 1680, 1681, 1682
 \@tempdima 1706, 1707, 1728, 1732
 \@tempdimb 1709, 1710, 3478, 3479
 \@tempswafalse 2128, 2870



\@tempwattrue 2127, 2870
\@temptokena . . . 2201, 2208, 2213,
2219, 2226, 2236, 2250
\@testpach 1742, 1758, 1792, 1843,
1881
\@tfor 1640, 2285
\@thanks 3783, 3789
\@the@choice 4674, 4675
\@themargin 1318
\@title 3771, 3792
\@true 4719, 4730, 4737
\@true@correction . . 4714, 4737
\@true@nocorrection 4712, 4730
\@truesymbol . . . 4708, 4710, 4714
\@verbatim 1950, 1953, 2258, 2260,
2271
\@vobeyspaces 1950, 2258
\@warning 2257
\@x@xepersian@localize@verbatim
. 1950
\@xDeclareMathDelimiter . 4440
\@xepersian@@computeautoilgfalse
. 3442
\@xepersian@@computeautoilgtrue
. 3440
\@xepersian@info . . . 2523, 2545,
2547
\@xfloat 1615, 1922, 1923
\@xxDeclareMathDelimiter 4439
\@xxxii 1681
@ \ 1594, 1595
@ \ 1590, 1591, 1593
@ \ 2172
] \ 2180
\\ 1947, 2180, 3739, 4054, 4055, 4317,
4320, 4369, 4641, 4680, 4684,
4704, 4705
\{ 1946, 2180
\} 1946, 2180
\] 2180
\^ 2181
_ . 2600, 2602, 2621, 2623, 2644,
2646, 2662, 2664, 2711, 2713,
2732, 2734, 2753, 2755, 2774,
2776, 2795, 2797, 2816, 2818,
4502, 4504, 4534, 4536, 4547,
4549
\| 4055
\~ 2181
\sq 1343, 1345, 2874, 3021, 3027, 3046,
3052, 3122, 3128, 3147, 3157,
3654, 3663
A
\abj@num@i 3188, 3205, 3212
\abj@num@ii . . . 3190, 3209, 3216
\abj@num@iii . . . 3192, 3213, 3219
\abj@num@iv 3194, 3217
\Abjad 1209, 1214, 2964
\abjad 1210, 1215, 3202
\abjad@zero 3204, 3208
\Abjadnumeral 2965
\abjadnumeral 3203
\abovedisplayshortskip
. . . 3581, 3582, 3592, 3593,
3599, 3600
\abovedisplayskip . . 3579, 3580,
3590, 3591, 3597, 3598
\abstractname 2945
\active 2181, 4562
\adadi 1191, 1207, 1212, 2399, 2433,
2463, 2971
\adadinumeral 2977
\AddEnumerateCounter 1206, 1207,
1208, 1209, 1210
\addfontfeatures . . 136, 148, 161
\addtocontents 4647, 4650, 4652,
4655, 4677, 4681, 4704, 4705
\addtolength
. . . 3806, 3807, 3810, 4229,
4230, 4231, 4232, 4296
\addtoversion 4432
\adl@argarraydashrule 1810, 1854
\adl@arraydashrule . 1809, 1853
\adl@arrayrule 1808, 1852
\adl@box 1834, 1836, 1837
\adl@class@iiiorvii 1840, 1877
\adl@class@start . . . 1839, 1876
\adl@endmbox 1835



<code>\adl@putlrc</code>	1831, 1832, 1833, 1865, 1866, 1867, 1873, 1874, 1875		
<code>\adl@startmbox</code>	1834		
<code>\advance</code>	1346, 1647, 1653, 1676, 1682, 2115, 2917, 2919, 3570, 3574, 3842, 3845, 4389, 4415, 4799, 4834, 4838, 4844, 4848, 4853, 4856, 4857, 4861, 4865, 4866, 4868, 4869, 4871, 4891, 4895, 4896, 4899, 4904, 4905, 4909, 4910, 4912, 4913, 4915, 4918, 4920		
<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>	4374		
<code>\Alph</code>	1193, 1375, 1376, 2401, 2435, 2465		
<code>\alph</code>	1194, 2402, 2436, 2466, 2492, 4674, 4700		
<code>\alpha@elt</code>	4433		
<code>\alpha@list</code>	4433		
<code>\anappendixtrue</code>	1574		
<code>\and</code>	3796		
<code>\answernumberfont</code>	4662		
<code>\answerstitle</code>	4658, 4728		
<code>\answerstitlefont</code>	4660		
<code>\appendix</code>	10, 17, 40, 46, 52, 58, 99, 110, 117, 129, 1272, 1282, 1294, 1372, 1373, 1402, 1569, 2359, 2366, 2373, 2381, 2389, 2422, 2452		
<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>	4311		
<code>\articlesep</code>	4293		
<code>\AtBeginDocument</code>	71, 1371, 1460, 1953, 2160, 2265, 3568, 3572		
<code>\AtEndOfClass</code>	3566		
<code>\author</code>	3794		
<code>\authorandplace</code>	4267		
<code>\AutoDisplayMathsDigits</code>	3298, 4612, 4618		
<code>\autofootnoterule</code>	3341		
<code>\AutoInlineMathsDigits</code>	3290, 4608, 4617		
<code>\AutoMathsDigits</code>	3282, 4616, 4620		
B			
<code>\backrefpagesname</code>	63		
<code>\baselineskip</code>	1315, 2920, 2923, 3484, 3486, 3488, 3491, 3492, 3494		
<code>\begin</code>	2174, 2175, 2857, 2858, 2931, 3622, 3625, 3678, 3693, 3706, 3712, 3733, 3764, 3770, 3777, 3801, 3855, 3861, 3933, 3936, 3941, 3948, 3963, 3978, 3995, 4029, 4047, 4052, 4072, 4079, 4080, 4101, 4103, 4104, 4126, 4131, 4132, 4168, 4169, 4177, 4203, 4211, 4217, 4218, 4226, 4256, 4280, 4312, 4313, 4328, 4340, 4354, 4678, 4682, 4693, 4694, 4700, 4755		
<code>\begingroup</code>	144, 1301, 1945, 2162, 2178, 2258, 2260, 2570, 2572, 4381, 4405, 4562		
<code>\beginL</code>	2867, 3654, 4055		



<code>\beginR</code> .. 3658, 3659, 3660, 3671, 3672, 3673, 3878, 3879, 3880, 3898, 3919, 3920, 3921, 3922, 3923, 3924, 4075, 4170	<code>\bm@r</code> 1697
<code>\belowdisplayshortskip</code> .. 3582, 3593, 3600	<code>\bm@s</code> 1700
<code>\belowdisplayskip</code> .. 3580, 3591, 3598	<code>\bm@t</code> 1699
<code>\bfseries</code> 2000, 2089, 2877, 3614, 3620, 3639, 3647, 3675, 3691, 3710, 3724, 3728, 3753, 3758, 3762, 3887, 3893, 4637, 4659, 4661, 4745	<code>\bm@</code> 1699
<code>\bgroup</code> 1199, 1690, 1730, 1931, 1941, 4377, 4401	<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> 4427
<code>\bidi@AfterEndPreamble</code> .. 3232	<code>\boolean</code> . 3555, 3567, 3576, 3680, 3695, 3714, 3735, 3931, 3932, 3962, 3994, 4028, 4046, 4070, 4100, 4124, 4151
<code>\bidi@column@status</code> 3449, 3453	<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> 3447, 3455	<code>\BRorg@Latincitex</code> 65, 73
<code>\bidi@font@outputpage</code> .. 2883	
<code>\bidi@isloaded</code> 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1462, 1465, 1468, 1471, 1474, 1477, 1480	
<code>\bidi@lastcolumn@status@write</code> 3451, 3456	
<code>\bidi@newrobustcmd</code> . 2851, 2852, 2935	
<code>\bidi@patchcmd</code> 3478, 3483	
<code>\bidi@reflect@box</code> 2936	
<code>\blacktriangleleft</code> .. 1341, 1343	
<code>\blacktriangleright</code> . 1341, 1343	
<code>\bm@b</code> 1698	
<code>\bm@c</code> 1695	
<code>\bm@l</code> 1696	

C

<code>\C</code> 2182
<code>\c</code> .. 4461, 4469, 4477, 4485, 4493
<code>\c@book</code> 1567
<code>\c@chapter</code> 18, 20, 31, 103, 114, 121, 133, 1286, 1298, 1573, 2363, 2370, 2377, 2385, 2426, 2456
<code>\c@mpfootnote</code> 1735, 3227
<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>\c@section</code> 10, 12, 18, 34, 43, 49, 55, 61, 1275, 1402, 1404, 2392
<code>\c@subsection</code> 10, 1402
<code>\catcode</code> .. 1484, 1945, 1946, 1947, 2181, 4562
<code>\ccname</code> 2951
<code>\cdp@elt</code> 4430
<code>\cdp@list</code> 4430
<code>\centering</code> 3817, 4105, 4642
<code>\cftchapname</code> 2504
<code>\cftfigname</code> 2510
<code>\cftparaname</code> 2508
<code>\cftsecname</code> 2505
<code>\cftsubfigname</code> 2511



\cftsubparaname	.....	2509
\cftsubsecname	.....	2506
\cftsubsubsecname	.....	2507
\cftsubtabname	.....	2513
\cfttabname	.....	2512
\chapterautorefname	....	1362
\chaptername	.....	19, 2950
\chardef	... 1407, 1409, 1410, 1411,	
	1412, 1413, 2889, 4374	
\charlist	.. 1418, 1419, 1421, 1425	
\citation	.....	2876
\citenumfont	.....	2139
\citeyear	.....	1961
\citeyearpar	.....	1961
\ClassError	3952, 3984, 4018, 4038,	
	4059, 4084, 4109, 4135, 4158,	
	4687	
\ClassWarning	. 3537, 3539, 3541,	
	3811, 3825	
\cleardoubleoddpage	....	2418
\cleardoublepage	15, 96, 107, 125,	
	1278	
\clearpage	.....	2418, 3915
\closeout	....	3383, 3395, 3407
\color@begingroup	.....	1731
\color@vbox	... 1688, 1930, 1940	
\columnlines	... 3511, 3512, 3544,	
	3873	
\columnsep	.....	3807, 4230
\columnseprule	.....	3873
\columnstitle	.....	4224
\columnwidth	1691, 1733, 1931, 1941,	
	3806, 4229	
\comment	.....	4732
\contentsname	.....	2931, 2939
\copyright	.....	3663
\correction	.....	4732, 4739
\correctionstyle	.....	4725
\count	... 1683, 3841, 3842, 3844,	
	3845, 3854, 3860	
\count@	.....	1827
\cs	2268, 2270, 2602, 2623, 2646,	
	2648, 2653, 2664, 2666, 2671,	
	2713, 2734, 2755, 2776, 2797,	
	2818, 4454, 4455, 4456, 4457,	
	4458, 4504, 4536, 4549	
\csname	... 1487, 1680, 1720, 1925,	
	1928, 1935, 1938, 1950, 2262,	
	2279, 2280, 2281, 2282, 2283,	
	2393, 2427, 2457, 2571, 2574,	
	2580, 2582, 2881, 2964, 2969,	
	2972, 3078, 3202, 4380, 4383,	
	4388, 4389, 4404, 4407, 4411,	
	4412, 4415, 4450, 4452, 4896,	
	4905, 4915	
\currenttime	.....	3637
\customlogo	.....	3878
\custommagazinename	....	3880
\customminilogo	.....	3879
\customwwwTxt	.....	3608
D		
\dollarbegin	... 1831, 1832, 1833	
\dollarend	.... 1831, 1832, 1833	
\date	.... 3636, 3647, 3795, 4264	
\datename	.....	2947
\day	.....	4794
\decimalseparator	.. 4525, 4589	
\DeclareDocumentCommand	
	.. 2598, 2619, 2642, 2660,	
	2709, 2730, 2751, 2772, 2793,	
	2814, 4500, 4532, 4545	
\DeclareMathAccent	.....	4438
\DeclareMathAlphabet	....	4437
\DeclareMathDelimiter	... 4439	
\DeclareMathRadical	....	4441
\DeclareMathSizes	.....	4430
\DeclareMathSymbol	.....	4438
\DeclareMathVersion	....	4432
\DeclareOption	
	.. 3533, 3534, 3535, 3536,	
	3538, 3540, 3542, 3543, 3544,	
	3545, 3546, 4729, 4736	
\DeclareOptionX	....	3426, 3434
\DeclareRobustCommand	
	... 2161, 2606, 2626, 2651,	
	2669, 2684, 2687, 2690, 2693,	
	2696, 2699, 2717, 2738, 2759,	
	2780, 2801, 2822, 2869	
\DeclareSymbolFont	. 4435, 4509,	
	4510, 4511, 4512, 4539, 4552	

2523, 2546, 2548, 2574, 2577, 2875, 4674	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, 3493, 3824, 4302, 4377, 4390, 4396, 4401, 4416, 4422, 4557, 4565, 4566, 4567, 4568, 4569, 4570, 4571, 4572, 4573, 4574, 4575, 4589, 4597, 4598, 4599, 4601, 4602, 4603, 4609, 4610, 4611, 4613, 4614, 4615, 4802, 4806, 4811, 4812, 4819, 4840, 4845, 4875, 4911, 4919
<code>\edition</code> 3905	<code>\empty</code> 1422
<code>\editionFormat</code> 3614, 3617	<code>\enclname</code> 2952
<code>\editorialAuthorFormat</code> . . 3757, 4321	<code>\encodingdefault</code> 2614, 2634, 2725, 2746, 2767, 2788, 2809, 2830
<code>\editorialTitleFormat</code> . . . 3755, 3756	<code>\end</code> 1419, 1420, 1425, 1426, 2174, 2175, 2246, 2257, 2857, 2858, 2934, 3622, 3627, 3684, 3698, 3708, 3717, 3740, 3779, 3782, 3785, 3802, 3857, 3863, 3940, 3946, 3950, 3976, 3982, 4016, 4036, 4051, 4057, 4093, 4094, 4095, 4118, 4119, 4120, 4144, 4145, 4146, 4171, 4172, 4175, 4205, 4209, 4220,
<code>\else</code> . . . 2, 3, 5, 7, 32, 63, 92, 140, 170, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 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,	



4221, 4258, 4262, 4291, 4322,	192, 193, 194, 195, 196, 197,
4323, 4337, 4349, 4362, 4647,	198, 199, 200, 201, 202, 203,
4650, 4652, 4655, 4701, 4702,	204, 205, 206, 207, 208, 209,
4706, 4760	210, 211, 212, 213, 214, 215,
\end@correction 4740	216, 217, 218, 219, 220, 221,
\endcomment 4733	222, 223, 224, 225, 226, 227,
\endcorrection 4733, 4740	228, 229, 230, 231, 232, 233,
\endcsname 1487, 1680, 1720, 1925,	234, 235, 236, 237, 238, 239,
1928, 1935, 1938, 1955, 2262,	240, 241, 242, 243, 244, 245,
2279, 2280, 2281, 2282, 2283,	246, 247, 248, 249, 250, 251,
2393, 2427, 2457, 2571, 2574,	252, 253, 254, 255, 256, 257,
2580, 2582, 2881, 2964, 2969,	258, 259, 260, 261, 262, 263,
2972, 3078, 3202, 4380, 4383,	264, 265, 266, 267, 268, 269,
4388, 4389, 4404, 4407, 4411,	270, 271, 272, 273, 274, 275,
4413, 4415, 4450, 4452, 4896,	276, 277, 278, 279, 280, 281,
4905, 4916	282, 283, 284, 285, 286, 287,
\endgroup 1308, 2183, 2261, 2570,	288, 289, 290, 291, 292, 293,
2578, 4385, 4409, 4565, 4566,	294, 295, 296, 297, 298, 299,
4567, 4568, 4569, 4570, 4571,	300, 301, 302, 303, 304, 305,
4572, 4573, 4574, 4575, 4576	306, 307, 308, 309, 310, 311,
\endL 3654, 4055	312, 313, 314, 315, 316, 317,
\endlatin 2854	318, 319, 320, 321, 322, 323,
\endLTR 2854	324, 325, 326, 327, 328, 329,
\endMakeFramed 1349	330, 331, 332, 333, 334, 335,
\endmath 167	336, 337, 338, 339, 340, 341,
\endpersian 2856	342, 343, 344, 345, 346, 347,
\endquestion 4753	348, 349, 350, 351, 352, 353,
\endR 3658, 3659, 3660, 3671, 3672,	354, 355, 356, 357, 358, 359,
3673, 3878, 3879, 3880, 3898,	360, 361, 362, 363, 364, 365,
3919, 3920, 3921, 3922, 3923,	366, 367, 368, 369, 370, 371,
3924, 4075, 4170	372, 373, 374, 375, 376, 377,
\endRTL 2856	378, 379, 380, 381, 382, 383,
\ends@math 167	384, 385, 386, 387, 388, 389,
\endtrivlist 1951, 2261	390, 391, 392, 393, 394, 395,
\end 1951, 1955, 2261, 2262	396, 397, 398, 399, 400, 401,
\eq@addpunct 172	402, 403, 404, 405, 406, 407,
\eq@group 140, 149	408, 409, 410, 411, 412, 413,
\eq@GRP@first@dmath 149	414, 415, 416, 417, 418, 419,
\eq@prelim 140, 157	420, 421, 422, 423, 424, 425,
\eq@setnumber 143	426, 427, 428, 429, 430, 431,
\eq@setup@a 145	432, 433, 434, 435, 436, 437,
\eq@startup 146	438, 439, 440, 441, 442, 443,
\eq@wdCond 164	444, 445, 446, 447, 448, 449,
\eqcommand 176, 177, 178, 179,	450, 451, 452, 453, 454, 455,
180, 181, 182, 183, 184, 185,	456, 457, 458, 459, 460, 461,
186, 187, 188, 189, 190, 191,	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
 \backslash 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
 \backslash eqstyle 142
 \backslash equal 3853, 4008, 4180,
 4185, 4190, 4195, 4200, 4233,
 4238, 4243, 4248, 4253
 \backslash equationautorefname 1355
 \backslash escapechar . . 2573, 4382, 4406
 \backslash everydisplay . . . 137, 4624, 4625
 \backslash everyjob 2546, 2547
 \backslash everymath 4621
 \backslash everypar 2867
 \backslash ExecuteOptions 4743
 \backslash ExecuteOptionsX 3460
 \backslash 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
 \backslash 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, 4377, 4396, 4401,
 4410, 4411, 4412, 4422, 4621,
 4624, 4675
 \backslash expandedtitle 4174
 \backslash ExplSyntaxOff 1954, 2276, 2836,
 4447, 4556
 \backslash ExplSyntaxOn . 1952, 2264, 2596,
 4426, 4453
 \backslash extract@alph@from@version 4410

 F
 \backslash f@baselineskip 2842, 2849, 3484,
 3486
 \backslash f@size 2842, 2849



<code>\f@ur</code>	1416, 2889, 2905, 2906, 2907, 2910, 2911, 2912	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, 3443, 3457, 3476, 3495, 3496, 3498, 3827, 3828, 4033, 4050, 4214, 4288, 4307, 4334, 4359, 4377, 4395, 4396, 4401, 4421, 4422, 4559, 4577, 4578, 4579, 4580, 4581, 4582, 4583, 4584, 4585, 4586, 4587, 4589, 4597, 4598, 4599, 4601, 4602, 4603, 4609, 4610, 4611, 4613, 4614, 4615, 4811, 4813,
<code>\false</code>	4720	
<code>\falsesymbol</code>	4711	
<code>\familydefault</code>	2613, 2633, 2724, 2745, 2766, 2787, 2808, 2829	
<code>\fancyfoot</code>	3918, 3922, 3923, 3924	
<code>\fancyhead</code>	3917, 3919, 3920, 3921	
<code>\FancyVerbLineautorefname</code>	1368	
<code>\fbox</code>	3802, 3817, 4032, 4697, 4757	
<code>\fboxrule</code>	1338, 1340, 1342, 1344, 3874	
<code>\fboxsep</code>	1338, 1340, 1342, 1344, 3805, 3998, 4030, 4102, 4130, 4178, 4227	
<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, 2056, 2060, 2064, 2065, 2069, 2074, 2075, 2076, 2077, 2097, 2099, 2121, 2129, 2137, 2138, 2147, 2148, 2154, 2157, 2167,	



4814, 4815, 4821, 4845, 4846,
 4866, 4877, 4898, 4907, 4914,
 4921, 4936
 \figureautorefname 1358
 \figurename 2937
 \finishsetclass 1422, 1426
 \firstarticle . 3929, 3953, 3954,
 3956
 \FirstFrameCommand 1340
 \firstimage . . 4026, 4039, 4040,
 4042
 \firstmark 1327
 \firstTextFormat . . . 3687, 3689
 \firstTitleFormat . . 3675, 3681,
 3682
 \float@box 1926, 1936
 \float@endH 1925, 1935
 \flushright . . . 3675, 3694, 3713
 \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, 4507, 4538,
 4551
 \foot 3670
 \footdir@debugfalse 3361
 \footdir@debugtrue 3359
 \footnote 3767
 \footnoteautorefname 1356
 \footnoterule 3766
 \footnotesep 3492, 3494
 \footnotesize
 . . . 84, 86, 88, 1289, 1290,
 1291, 1330, 1332, 1334, 3595,
 3596, 3630, 3663, 3728, 3752,
 3753, 3765
 \foottextfont 1289
 \FrameCommand 1338

\FrameRestore 1346
 \frenchspacing 1950, 2258
 \frontmatter 15, 95, 106, 124, 1277,
 2417
 \futurelet 2193, 4562

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, 4427, 4507,
 4509, 4510, 4511, 4512, 4538,
 4539, 4551, 4552
 \g@addto@macro 4672
 \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, 3608, 3878, 3879, 3880,
 4562, 4638, 4640, 4658, 4660,
 4662, 4668, 4669, 4685, 4710,
 4711, 4725, 4744, 4746, 4751,
 4762
 \get@cdp 4436
 \getanddefine@fonts 4383, 4407
 \Gin@boolkey 2278
 \glb@currsize 4506
 \global 73, 74,
 139, 149, 150, 151, 152, 153,
 154, 155, 156, 164, 1304, 1305,
 1324, 1683, 1687, 2007, 2096,
 3787, 3788, 3789, 3790, 3791,
 3792, 3793, 3794, 3795, 3796,
 4389, 4415
 \globaldefs 4384, 4408
 \glossary 1314
 \glsaddprotectedpagefmt . 1351,
 1352, 1353
 \goodbreak 4365
 \grid 3569, 3573, 3835
 \Grot@x . . 2286, 2287, 2288, 2289



\Grot@y . . . 2290, 2291, 2292, 2293,
 2294, 2295
 \group 2271
 \group@elt 4435
 \group@list 4435
 \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 3634, 3636
 \headerfont 4638
 \headheight 1320, 3868
 \heading 3657
 \headrulewidth 3869, 3925
 \headsep 1321
 \headtoname 2954
 \height 2290, 2291
 \hfil . 1830, 1831, 1832, 1833, 1865,
 1866, 1867, 1873, 1874, 1875
 \hline 4318, 4679, 4680, 4683,
 4684, 4704, 4705
 \hrule 1416, 4201, 4207, 4254, 4260,
 4305, 4345
 \hrulefill 3883, 3888, 3902
 \hsize 1346, 1691, 1707, 1732, 1733,
 1931, 1941
 \hskip 1416, 1832, 1833, 1875
 \hspace . . . 3636, 3654, 3883, 3889,
 3901, 3903, 4081
 \hss 1719
 \Huge 3606, 3675, 3731

\huge 3605
 \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
 \if@bidi@csprimitive 1486
 \if@bidi@csundef 2929, 3182,
 3233
 \if@bidi@enumerateloaded@ 1470
 \if@bidi@enumitemloaded@ 1473



<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>	3473		3403, 3415, 3439, 3446, 4929
<code>\if@files@w</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, 3488, 3492,
<code>\if@Kashida@on</code>	1414, 1415		3815, 4300
<code>\if@LTRbibitems</code>	3229	<code>\iffontchar</code>	2893
<code>\if@newlist</code> . . .	1304, 1324, 1951	<code>\ifhmode</code>	1628
<code>\if@nonlatin</code> . . .	4609, 4610, 4611,	<code>\ifinner</code>	1634
	4613, 4614, 4615	<code>\ifmmode</code>	1716, 4379, 4403
<code>\if@noskipsec</code>	138	<code>\ifNAT@full</code>	2009, 2098
<code>\if@pboxsw</code>	1721	<code>\ifNAT@longnames</code> . . .	2005, 2094
<code>\if@RTL</code> .	2, 3, 5, 7, 63, 92, 136, 148,	<code>\ifNAT@numbers</code>	1958, 2165
	161, 1341, 1343, 1345, 1355,	<code>\ifNAT@super</code>	1959
	1356, 1357, 1358, 1359, 1360,	<code>\ifNAT@swa</code> .	2011, 2076, 2100, 2152
	1361, 1362, 1363, 1364, 1365,	<code>\ifnum</code>	170, 1675, 1742, 1743,
	1366, 1367, 1368, 1369, 1370,		1759, 1760, 1761, 1762, 1764,
	1450, 1451, 1577, 1578, 1579,		1793, 1794, 1795, 1796, 1798,
	1580, 1581, 1582, 1583, 1584,		1843, 1844, 1882, 1883, 1884,
	1585, 1705, 1727, 2504, 2505,		1885, 1887, 2486, 2589, 2918,
	2506, 2507, 2508, 2509, 2510,		2984, 2986, 2995, 2996, 2997,
	2511, 2512, 2513, 2937, 2938,		2998, 2999, 3000, 3001, 3002,
	2939, 2940, 2941, 2942, 2943,		3019, 3021, 3023, 3025, 3027,
	2944, 2945, 2946, 2947, 2948,		3032, 3043, 3044, 3046, 3048,
	2949, 2950, 2951, 2952, 2953,		3049, 3052, 3085, 3087, 3096,
	2954, 2955		3097, 3098, 3099, 3100, 3101,
<code>\if@RTL@footnote</code> . . .	1289, 1330		3102, 3103, 3120, 3122, 3124,
<code>\if@RTLmain</code>	2883		3126, 3128, 3133, 3144, 3145,
<code>\if@RTLtab</code>	1746,		3147, 3149, 3150, 3152, 3157,
	1747, 1748, 1749, 1769, 1770,		3184, 3186, 3188, 3190, 3192,
	1771, 1772, 1803, 1804, 1805,		3194, 3208, 3212, 3216, 3219,
	1806, 1847, 1848, 1849, 1850,		4212, 4286, 4332, 4357, 4380,
	1892, 1893, 1894, 1895		4404, 4807, 4811, 4839, 4845,
<code>\if@temp@swa</code>	2129		4866, 4893, 4897, 4902, 4906,
<code>\if@twoside</code>	2418		4908, 4917
<code>\if@xepersian@@computeautoilg</code>		<code>\ifodd</code>	1645, 1651, 4800, 4805
	. . . . . 2885, 3482	<code>\ifthenelse</code>	
<code>\ifadl@usingarypkg</code>	1791		. . . 3555, 3567, 3576, 3680,
<code>\ifBR@verbose</code>	66		3695, 3714, 3735, 3853, 3931,
<code>\ifcase</code> .	1829, 1860, 1864, 1868, 1872,		3932, 3962, 3994, 4008, 4028,
	2011, 2041, 2134, 2957, 2966,		4046, 4070, 4100, 4124, 4151,
	2994, 3057, 3063, 3066, 3069,		4180, 4185, 4190, 4195, 4200,
	3073, 3095, 3162, 3167, 3174,		4233, 4238, 4243, 4248, 4253,
	3206, 3210, 3214, 3218, 3281,		4686



`\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, 4377, 4401, 4557, 4565, 4566, 4567, 4568, 4569, 4570, 4571, 4572, 4573, 4574, 4575, 4589, 4597, 4598, 4599, 4601, 4602, 4603, 4609, 4610, 4611, 4613, 4614, 4615
`\ifXePersian@kabiseh` 4768, 4873
`\ifXePersian@leap` .. 4768, 4817
`\IfxepersianPackageVersion` 2561
`\IfxepersianPackageVersionBefore` 2555
`\IfxepersianPackageVersionLater` 2549
`\ifxetex` 3808, 4031, 4048
`\ignorespaces` 173, 1933, 1943, 2616, 2636, 2727, 2748, 2769, 2790, 2811, 2832, 3626, 3679, 3689, 3694, 3702, 3707, 3713, 3721, 3981, 4007, 4156
`\image` 3803
`\immediate` 2876, 3383, 3384, 3395, 3396, 3407, 3408
`\includegraphics` ... 3818, 4032, 4049
`\index` 1313
`\indexEntryFormat` .. 3624, 3626
`\indexEntryPageFormat` ... 3630, 3632
`\indexEntryPageText` . 3629, 3632
`\indexEntrySeparator` 3628, 4156
`\indexFormat` 3620, 3622
`\indexitem` 4149, 4159, 4160, 4162
`\indexname` 2943
`\init@restore@version` ... 4386, 4434
`\innerAuthorFormat` . 3752, 4269
`\innerPlaceFormat` .. 3753, 4269
`\innerSubtitleFormat` 3742, 3743
`\innerTextFinalMark` 3754, 4290
`\innerTitleFormat` .. 3731, 3736, 3737
`\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, 3474, 3475
`\insert@column` . 1831, 1832, 1833, 1834, 1836, 1837
`\int` . 4461, 4469, 4477, 4485, 4493
`\intermath@penalty` 172
`\iraniddefault` 2680, 2692, 2821, 2829
`\iranidfamily` . 2690, 2691, 2704, 2822
`\item` 4712, 4713, 4714, 4715
`\itemautorefname` 1357
`\itshape` 3227, 4724

J

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

K

`\KashidaOff` 1447
`\KashidaOn` 1446, 1448
`\kern` 1963, 2936
`\keyval@eq@alias@key` 1489, 1493



L

`\l` . . . 2608, 2614, 2628, 2634, 2654,
2672, 2719, 2725, 2740, 2746,
2761, 2767, 2782, 2788, 2803,
2809, 2824, 2830
`\label` 1312, 4285, 4331, 4355
`\LARGE` . . . 3604, 3691, 3755, 3758,
3771, 3773
`\Large` . . . 3603, 3710, 3760, 3887,
4170, 4204
`\large` . . . 3602, 3614, 3620, 3700,
3719, 3742, 3762, 3775, 3781,
3893
`\LastFrameCommand` 1344
`\lastpenalty` 170
`\lastskip` 169
`\latin` 2853
`\LatinAlphs` . . . 2853, 2857, 3223
`\Latincite` 2161, 2869
`\latinfont` 2626, 2839, 2841, 3428
`\latintoday` 2860
`\lccode` 2180, 2181, 2182
`\leaders` 1416
`\leavevmode` . 138, 139, 1702, 1724,
1951, 2871, 2935
`\leftfootnoterule` 3343
`\let` 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, 3455, 3456, 3765, 3766,
3767, 3787, 3788, 3789, 3790,
3791, 3792, 3793, 3794, 3795,
3796, 4375, 4391, 4417, 4506,
4622, 4626, 4641, 4730, 4731,
4732, 4733, 4737, 4738, 4739,
4740, 4752, 4753, 4926, 4927,
4928
`\lineskip` 1316, 3776
`\lineskiplimit` 1317
`\linespread` 2923
`\linewidth` 4678, 4682, 4697, 4757
`\listalgorithmname` 7
`\listfigurename` 2940
`\listtablename` 2941
`\LoadClass` 3548
`\logo` 3881, 3910
`\long` 1701
`\longdate` 4265
`\loop` 2892, 4894, 4903
`\lower` 2935
`\lowercase` 2183
`\lr` . 1382, 1994, 2083, 2851, 2860,
2873, 3608, 3663, 4055
`\LRE` 2851
`\lstlistingname` 1450
`\lstlistlistingname` 1451
`\LTR` 2853
`\LTRfoottextfont` 1290
`\ltx@ifUndefined` 1374, 1386, 1390

M

`\m@ne` 2111, 4382, 4406
`\m@th` 1721
`\makeform` 4734, 4741
`\makeform@correction` 4649, 4741
`\makeform@nocorrection` . . 4646,
4734
`\MakeFramed` 1346
`\makemask` 4735, 4742
`\makemask@correction` 4654, 4742
`\makemask@nocorrection` . . 4651,
4735



2055, 2058, 2066, 2067, 2068, 2103, 2139	\NAT@swafalse 2166
\NAT@hyper@citea@space . . 2142, 2144, 2146	\NAT@swatrue 2162
\NAT@idtxt 1974, 1985	\NAT@temp 2017, 2018, 2047, 2048
\NAT@ifcat@num 2106, 2109	\NAT@test . 2103, 2136, 2142, 2144
\NAT@last@nm . . 2003, 2015, 2045, 2092, 2135	\NAT@year 1994, 2003, 2016, 2046
\NAT@last@num . . 2092, 2109, 2110, 2128	\NAT@yrsep 2015, 2045, 2135
\NAT@last@yr . . 2003, 2016, 2046, 2083, 2117, 2151	\natexlab 1975, 1986
\NAT@last@yr@mbx . . 2113, 2123	\navardefault . 2681, 2695, 2758, 2766
\NAT@Latin@cites . . . 2163, 2164	\navarfamily . . 2693, 2694, 2705, 2759
\NAT@Latin@citex 1980, 1988, 1989	\NeedsTeXFormat 2514, 3502, 4371, 4628, 4765
\NAT@Latin@citexnum 1971, 2078, 2079	\new@mathalphabet 4437
\NAT@mbx . 1960, 1965, 2136, 2139, 2156	\new@mathbf 4459, 4526
\NAT@merge 2113, 2128	\new@mathgroup . 4374, 4375, 4430
\NAT@name 1974, 1985, 2006, 2010, 2095, 2099	\new@mathit 4467, 4527
\NAT@nm . . 1994, 2003, 2009, 2010, 2013, 2015, 2028, 2036, 2043, 2045, 2059, 2066, 2083, 2092, 2098, 2099, 2107, 2108, 2112, 2116, 2135	\new@mathrm 4475, 4528
\NAT@nmfmt 2013, 2028, 2036, 2043, 2059, 2066	\new@mathsf 4483, 4540
\NAT@num . 1974, 2083, 2092, 2106, 2107, 2128, 2139	\new@mathtt 4491, 4553
\NAT@open 1974, 1985	\new@mathversion 4435
\NAT@parse 2004, 2093	\new@symbolfont 4436
\NAT@partrue 2162	\newboolean 3513, 3515, 3517, 3519, 3521, 3523, 3525
\NAT@penalty . . . 1976, 1984, 2120, 2135	\newcolumnntype 4642, 4643
\NAT@reset@citea . . . 1993, 2082	\newcommand 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, 3510, 3565, 3609, 3610, 3613, 3614, 3615, 3620, 3621, 3624, 3625, 3628, 3629, 3630, 3631, 3634, 3635, 3639, 3640, 3643, 3644, 3645, 3646, 3649, 3652, 3657, 3662, 3665, 3667, 3670, 3675, 3676, 3687, 3688, 3691, 3692, 3700, 3701, 3704, 3705, 3710, 3711, 3719, 3720, 3722, 3723, 3724, 3725, 3728, 3729, 3731, 3732, 3742, 3743, 3744, 3745, 3746, 3747, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3798, 3803, 3835, 3867, 3881,
\NAT@reset@parser . . 1991, 2080	
\NAT@set@cites 1957, 2160	
\NAT@sort@cites 1992, 2081	
\NAT@space 1962, 1967, 1983, 2135	
\NAT@spacechar 1967, 1974, 1983, 1985, 2023, 2030, 2054, 2060, 2136, 2138	
\NAT@super@kern 1963, 1968, 2136	



3892, 3897, 3905, 3929, 3960,
 3992, 4026, 4045, 4149, 4167,
 4174, 4216, 4224, 4267, 4273,
 4293, 4310, 4339, 4364, 4448,
 4449, 4451, 4557, 4558, 4638,
 4640, 4646, 4649, 4651, 4654,
 4658, 4660, 4662, 4710, 4711,
 4716, 4720, 4725, 4744, 4746,
 4922
 \newcount 2886, 3527, 3528, 3531,
 3833, 3834, 4769, 4770, 4771,
 4772, 4773, 4774, 4775, 4776,
 4777, 4778, 4779, 4780, 4781,
 4782, 4784, 4785, 4786, 4787,
 4788, 4789, 4790, 4791
 \newcounter 4663, 4664
 \newdimen 2887, 2888, 3831, 3832
 \NewDocumentCommand 4459, 4467,
 4475, 4483, 4491
 \newenvironment
 ... 1487, 2174, 2175, 2857,
 2858, 3800, 3906, 4068, 4098,
 4122, 4276, 4325, 4351, 4692,
 4726
 \newfam 4375
 \newfontface 2482
 \newfontlanguage 2595
 \newfontscript 2594
 \newif ... 1414, 2588, 2885, 4768
 \newlength 3505, 3506, 3507, 3508,
 3509, 3511, 4656, 4747, 4749
 \newmathalphabet 4431
 \newmathalphabet@@ 4431
 \newmathalphabet@@@ 4431
 \newpage . 3382, 3394, 3406, 3916
 \newsavebox 3799
 \newsection 4273
 \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,
 4387
 \nohyphens 3681, 3696, 3715, 3736
 \noindent 3626, 3641, 3679, 3689,
 3694, 3702, 3707, 3713, 3721,
 3726, 3730, 3734, 3883, 3900,
 3981, 4007, 4032, 4079, 4156,
 4170, 4204, 4219, 4257, 4314,
 4342, 4367, 4369
 \non@alpherr 4396, 4422
 \nopagebreak 4758
 \normalcolor ... 1689, 1930, 1940
 \normalfont 2615, 2635, 2726, 2747,
 2768, 2789, 2810, 2831, 2839,
 2840, 2846, 2847
 \normalsfcodes 1311
 \normalsize 1311, 2865, 3577, 3578,
 3624, 4219, 4257
 \not 4670
 \not@math@alphabet 2685, 2688,
 2691, 2694, 2697, 2700
 \null 3768, 3784
 \number . 2984, 2986, 2987, 3085,
 3087, 3088, 3188, 3190, 3192,
 3194, 4388, 4412, 4923, 4924
 \numexpr . 4462, 4470, 4478, 4486,
 4494

 O
 \obeyspaces 4562
 \old@endquestion ... 4753, 4761
 \old@question 4752, 4759
 \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, 3441, 3454, 4929,
 4930, 4931, 4932, 4933, 4934,
 4935
 \orig 4454, 4455, 4456, 4457, 4458,
 4460, 4468, 4476, 4484, 4492
 \originaltoday 2859, 2860
 \Ovalbox 4196, 4249
 \ovalbox 4191, 4244
 \overline 4575

P

\p@ 1963, 3769
 \PackageError
 1462, 1465, 1468, 1471,
 1474, 1477, 1480, 2930, 2979,
 3234, 3381, 3387, 3393, 3399,
 3405, 3411
 \PackageInfo 67, 79, 2921, 2922,
 3489, 3490, 4448
 \PackageWarning 2001, 2090, 3180,
 3379
 \PackageWarningNoLine 2018,
 2048
 \page@free 3813, 3815
 \pageautorefname 1370
 \pagegoal 4295
 \pagename 2953
 \pagenumbering 15, 98, 109, 127,
 1280, 1565, 2419
 \pageref 3654, 4152
 \pagesFormat 3728, 3730
 \pagestyle 3871
 \pagetotal 4296
 \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,
 3771, 3773, 3779, 3781, 3782,
 4271, 4356, 4698, 4758
 \paragraphautorefname 1366

\parallel 3636
 \parbox 4697, 4757
 \partautorefname 1360
 \partname 2946
 \PassOptionsToClass 3533, 3534,
 3535
 \pbs 4641, 4642
 \pdfstringdefDisableCommands .
 1381
 \penalty 166, 172, 1976, 2874
 \persian 2855
 \PersianAlphs 2855, 2858, 3416,
 3421, 3501
 \persianday 4928
 \PersianDisplayMathsDigits . .
 3302, 4600, 4606
 \persianfont 2606, 2846, 2848
 \PersianInlineMathsDigits 3294,
 4596, 4605
 \PersianMathsDigits 3286, 4604
 \persianmathsdigits 4513, 4597,
 4601, 4609, 4613
 \persianmathsfdigits 4540, 4598,
 4602, 4610, 4614
 \persianmathttdigits 4553, 4599,
 4603, 4611, 4615
 \persianmonth 4927
 \persiansfdefault 2678, 2686,
 2716, 2724
 \persiansffamily 2684, 2685,
 2702, 2717
 \persiantoday 2861, 4922
 \persianttdefault 2679, 2689,
 2737, 2745
 \persianttfamily 2687, 2688,
 2703, 2738
 \persianyear 4926
 \pictureCaptionFormat 3724,
 3726
 \plftitle 1578
 \plq 2568
 \plttitle 1579
 \pookdefault 2682, 2698, 2779,
 2787
 \pookfamily 2696, 2697, 2706,
 2780



`\postmath` 172
`\PrefixCurrentTab` 2492
`\premath` 168
`\prepnext@tok` 1828, 1838
`\printindex` .. 3382, 3394, 3406
`\process@table` 4434
`\ProcessOptions` 3547, 4764
`\ProcessOptionsX` 3471
`\proofname` 2955
`\protect` . 1302, 3953, 3954, 3956,
3985, 3986, 3988, 4019, 4020,
4022, 4039, 4040, 4042, 4060,
4061, 4063, 4159, 4160, 4162,
4647, 4650, 4652, 4655, 4673,
4678, 4679, 4680, 4682, 4683,
4684, 4704, 4705
`\protected@write` ... 3448, 3452
`\providecommand` 3179
`\ProvidesClass` 3503
`\ProvidesFile` 1, 4, 8, 14, 23,
38, 44, 50, 56, 62, 82, 91, 93,
104, 115, 123, 135, 175, 1128,
1188, 1205, 1216, 1259, 1270,
1276, 1288, 1292, 1299, 1328,
1336, 1350, 1354, 1399, 1406,
1449, 1452, 1483, 1563, 1576,
1586, 1956, 2357, 2364, 2371,
2379, 2387, 2416, 2450, 2480,
2483, 2503
`\ProvidesPackage` ... 2517, 4372,
4629, 4766
`\prq` 2567
`\ptctitle` 1577

Q

`\question` 4752
`\questionsepspace` .. 4749, 4750,
4762
`\questionspace` 4656, 4657, 4698
`\questiontitle` 4744, 4763
`\questiontitlefont` 4746
`\questiontitlespace` 4747, 4748,
4758

R

`\raggedFormat` . 3565, 4213, 4287,
4333, 4358
`\RaggedLeft` 3565
`\raisebox` 3611, 3616
`\refname` 92, 2944
`\refstepcounter` 4714, 4715
`\relax` 1484, 1676, 1708, 1843,
1844, 1865, 1866, 1867, 1928,
1938, 1962, 1968, 2012, 2042,
2070, 2077, 2083, 2110, 2117,
2128, 2283, 2396, 2430, 2460,
2481, 2486, 2571, 2589, 2923,
3281, 3289, 3297, 3305, 3312,
3320, 3327, 3334, 3340, 3352,
3358, 3364, 3368, 3372, 3378,
3391, 3403, 3415, 3439, 3446,
3455, 3456, 3479, 3484, 3486,
3547, 3766, 3787, 3788, 3793,
3794, 3795, 3796, 4377, 4391,
4401, 4417, 4450, 4452, 4462,
4470, 4478, 4486, 4494, 4506,
4588, 4622, 4626, 4796, 4797,
4799, 4804, 4809, 4810, 4816,
4818, 4820, 4822, 4823, 4824,
4825, 4826, 4827, 4828, 4829,
4830, 4831, 4832, 4834, 4836,
4837, 4842, 4843, 4850, 4852,
4855, 4859, 4860, 4863, 4864,
4867, 4872, 4874, 4876, 4878,
4879, 4880, 4881, 4882, 4883,
4884, 4885, 4886, 4887, 4888,
4889, 4891, 4892, 4895, 4900,
4904, 4910, 4912, 4913
`\renewcommand` .. 9, 16, 24, 30, 31,
34, 39, 40, 45, 46, 51, 52, 57,
58, 86, 88, 94, 95, 99, 105,
106, 110, 116, 117, 124, 128,
129, 1271, 1272, 1277, 1281,
1282, 1289, 1290, 1291, 1293,
1294, 1330, 1332, 1334, 1401,
1564, 1566, 1567, 1568, 1569,
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, 3577, 3584, 3586,
 3588, 3595, 3602, 3603, 3604,
 3605, 3606, 3658, 3659, 3660,
 3671, 3672, 3673, 3764, 3869,
 3905, 3925, 4264, 4274, 4279,
 4645
 \renewenvironment . . . 1337, 4754
 \repeat 2918, 4897, 4906
 \RequirePackage
 . . . 2519, 2520, 2521, 2522,
 3504, 3549, 3550, 3551, 3552,
 3553, 3554, 3556, 3558, 3560,
 3561, 3562, 3563, 3564, 4631,
 4632, 4633, 4634, 4635, 4636
 \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
 \resetlatinfont . . . 84, 86, 1289,
 1290, 1330, 1332, 2837, 2851,
 2853, 2857, 2864, 2883, 3230
 \restore@mathversion . . . 4434
 \restoreapp 36
 \rightfootnoterule 3345
 \rightline 4268
 \rl 1383, 2852, 2861
 \RLE 2852
 \rmdefault . . . 2605, 2613, 2633
 \Roman 1196, 2403, 2437, 2467
 \roman . . . 1195, 2404, 2438, 2468
 \romannumeral . . 2412, 2446, 2476,
 4896, 4905, 4915
 \RTL 2855
 \RTLfoottextfont 1291
 \rule 3628, 3754, 3856, 3862, 3949,
 3981

 S
 \sayehdefault . 2683, 2701, 2800,
 2808
 \sayehfamily . . 2699, 2700, 2707,
 2801
 \scriptsize 3586

 \secondarticle 3960, 3985, 3986,
 3988
 \secondSubtitleFormat . . . 3700,
 3702
 \secondTextFormat . . 3704, 3707
 \secondTitleFormat . 3691, 3696,
 3697
 \section 2931
 \sectionautorefname . . . 1363
 \sectionname 11, 1403
 \select@group 4376
 \selectfont 2610, 2630, 2655, 2673,
 2686, 2689, 2692, 2695, 2698,
 2701, 2721, 2742, 2763, 2784,
 2805, 2826, 2843, 2850, 2924
 \set@@mathdelimiter 4441
 \set@fontsize 3478, 3483
 \set@mathaccent 4438
 \set@mathchar 4438
 \set@mathdelimiter 4440
 \set@mathsymbol 4439
 \set@typeset@protect 1306, 1310
 \setboolean 2493,
 2494, 3514, 3516, 3518, 3520,
 3522, 3524, 3526, 3542, 3543,
 3545, 3546, 3908, 3926, 4071,
 4096, 4125, 4147
 \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, 3786,
 4667
 \setdigitfont 4500
 \SetDisplayMathsDigits . . 4591,
 4600, 4612, 4622, 4625
 \SetEnumerateShortLabel . . 1211,



1212, 1213, 1214, 1215	
<code>\SetInlineMathsDigits</code> . . .	4590,
4596, 4608, 4621, 4626	
<code>\setiraniconfont</code>	2814
<code>\setkeys</code>	141, 158
<code>\setlatinmonofont</code>	2640
<code>\setlatinsansfont</code>	2639
<code>\setlatintextfont</code>	2619, 3500
<code>\setlength</code>	1706,
1709, 1728, 3512, 3544, 3579,	
3580, 3581, 3582, 3590, 3591,	
3592, 3593, 3597, 3598, 3599,	
3600, 3805, 3809, 3850, 3851,	
3868, 3873, 3874, 3998, 4030,	
4102, 4127, 4130, 4178, 4179,	
4227, 4228, 4294, 4295, 4311,	
4657, 4748, 4750	
<code>\setLTRcitationfont</code>	84
<code>\SetMathAlphabet</code>	4437
<code>\SetMathAlphabet@</code>	4437
<code>\SetMathCharDef</code>	4451, 4525
<code>\SetMathCode</code>	4449, 4514, 4515,
4516, 4517, 4518, 4519, 4520,	
4521, 4522, 4523, 4524	
<code>\setmathsfdigitfont</code>	4532
<code>\setmathttdigitfont</code>	4545
<code>\setmonofont</code>	2640
<code>\setnavarfont</code>	2751
<code>\setpersianfont</code>	88,
1291, 1334, 2844, 2852, 2855,	
2858, 2883	
<code>\setpersianmonofont</code>	2730
<code>\setpersiansansfont</code>	2709
<code>\setpookfont</code>	2772
<code>\setsansfont</code>	2639
<code>\setsayehfont</code>	2793
<code>\SetSymbolFont</code>	4436
<code>\SetSymbolFont@</code>	4436
<code>\settextfont</code>	2598, 3235
<code>\setthesection</code>	1566
<code>\sffamily</code>	3609
<code>\shadowbox</code>	4181, 4234
<code>\shadowsize</code>	4179, 4228, 4232
<code>\shipout</code>	1306
<code>\shortarticleitem</code>	4364
<code>\shortarticleItemTitleFormat</code> .	
. 3762, 3763	
<code>\shortarticleSubtitleFormat</code> .	
. 3760, 3761	
<code>\shortarticleTitleFormat</code>	3758,
3759	
<code>\sixt@n</code>	1639, 1676
<code>\slftitle</code>	1584
<code>\slttitle</code>	1585
<code>\small</code>	2932, 3588, 3589, 3643, 3647,
3653, 3724, 3746, 3765	
<code>\smash</code>	2935
<code>\SOUL@tt</code>	2481, 2482
<code>\space</code>	2002, 2091,
2517, 2880, 3186, 3812, 3813,	
3953, 3954, 3956, 3985, 3986,	
3988, 4019, 4020, 4022, 4039,	
4040, 4042, 4060, 4061, 4063,	
4159, 4160, 4162, 4269, 4688,	
4923, 4924	
<code>\SplitFootnoteRule</code>	3347
<code>\stctitle</code>	1583
<code>\stepcounter</code>	26, 1325, 2489, 4663,
4676, 4707	
<code>\str</code>	2613, 2633, 2724, 2745, 2766,
2787, 2808, 2829	
<code>\string</code>	67, 1765, 1799, 1888, 2257,
2876, 3449, 3453	
<code>\strip@pt</code>	2923
<code>\subparagraphautorefname</code>	1367
<code>\subsectionautorefname</code>	1364
<code>\subsubsectionautorefname</code>	1365
<code>\symnew@mathbf@font@digits</code> . .	
. 4462	
<code>\symnew@mathit@font@digits</code> . .	
. 4470	
<code>\symnew@mathrm@font@digits</code> . .	
. 4478	
<code>\symnew@mathsf@font@digits</code> . .	
. 4486	
<code>\symnew@mathtt@font@digits</code> . .	
. 4494	
T	
<code>\tableautorefname</code>	1359
<code>\tablename</code>	2938



`\tabularxcolumn` 4645
`\tartibi` .. 1192, 1206, 1211, 2400,
 2434, 2464, 3077
`\tartibinumeral` 3083
`\test` 1421, 1422, 1423
`\textbf` 2, 3, 1339, 1341, 1343, 1345,
 4170, 4204, 4219, 4257
`\textblockorigin` 3830
`\textdegree` 3644
`\textheight` 3837, 3862
`\textiranic` 2704
`\textit` 3755
`\textnavar` 2705
`\textpersiansf` 2702
`\textpersiantt` 2703
`\textpook` 2706
`\textsayeh` 2707
`\textsc` 3757
`\textsuperscript` 1960
`\texttt` 3614
`\textwidth` 1733, 3836, 3856, 4168,
 4694
`\textwidthfootnoterule` .. 3349
`\thanks` 3767, 3787
`\the` 137, 142, 1416,
 1710, 2208, 2213, 2219, 2226,
 2236, 2250, 2546, 2894, 2895,
 2896, 2899, 2900, 2901, 2905,
 2906, 2907, 2910, 2911, 2912,
 3812, 3813, 4298, 4621, 4625,
 4896, 4905, 4915
`\the@choice` 4666, 4688
`\thebook` 1567
`\thechapter` 20,
 31, 103, 114, 121, 133, 1286,
 1298, 1566, 1573, 2363, 2370,
 2377, 2385, 2426, 2456
`\theclass` 1418, 1423
`\theHchapter` 1376, 1393
`\theHsection` 1375, 1391
`\thempfn` 1735
`\thempfootnote` 1735, 3227
`\theoremautorefname` 1369
`\thepage` . 2002, 2019, 2049, 2091,
 2880, 3654
`\thepart` 9,
 16, 39, 45, 51, 57, 94, 105,
 116, 128, 1271, 1281, 1293,
 1401, 1568, 2358, 2365, 2372,
 2380, 2388, 2421, 2451
`\thequestion` ... 4687, 4727, 4763
`\thesection` 12, 34, 43, 49, 55, 61,
 1275, 1404, 2392
`\thirdarticle` . 3992, 4019, 4020,
 4022
`\thirdSubtitleFormat` 3719, 3721
`\thirdTextFormat` ... 3722, 3723
`\thirdTitleFormat` .. 3710, 3715,
 3716
`\thispagestyle` 3909, 3914
`\thr@@` 1762, 1781, 1782, 1796, 1817,
 1818, 1844, 1856, 1857, 1885,
 1912, 1913
`\timestamp` 3747, 3944, 3974, 4010
`\timestampFormat` ... 3746, 3748
`\timestampSeparator` 3745, 3750
`\timestampTxt` 3744, 3749
`\tiny` 3584
`\title` 3793
`\TitleBarFrame` . 1339, 1341, 1343,
 1345
`\tl` . 2605, 2614, 2634, 2639, 2640,
 2716, 2725, 2737, 2746, 2758,
 2767, 2779, 2788, 2800, 2809,
 2821, 2830, 4428, 4445, 4526,
 4527, 4528, 4540, 4553
`\tmp` 4641
`\today` 2859, 2861, 4265
`\topmargin` 1318
`\TPHorizModule`
 .. 3625, 3850, 3949, 3981,
 4032, 4079, 4080, 4103, 4104,
 4127
`\TPVertModule` 3851
`\true` 4716
`\truesymbol` 4710
`\tw@` 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>	3979, 3997, 4001, 4005, 4014, 4073, 4077, 4133, 4154, 4202, 4206, 4225, 4255, 4259, 4304, 4306, 4316, 4319, 4344, 4346, 4366, 4368, 4698, 4756, 4758
<code>\typeout</code>	2545, 2547, 3798
U	
<code>\Umathchardef</code>	4452
<code>\Umathcode</code>	4450
<code>\undefined</code> 1597, 4557, 4589, 4597, 4598, 4599, 4601, 4602, 4603, 4609, 4610, 4611, 4613, 4614, 4615	
<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>	4387
<code>\usebox</code>	3802
<code>\usecounter</code>	4700
V	
<code>\value</code>	2486, 4670, 4686
<code>\vbox</code> . 1306, 1319, 1690, 1707, 1712, 1713, 1730, 1837, 1927, 1931, 1937, 1941, 4341, 4367	
<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>	4433
<code>\version@list</code>	4433
<code>\vfil</code>	3768, 3784
<code>\voidb@x</code>	150
<code>\vrb@catcodes</code>	2179
<code>\vskip</code> 1318, 1320, 1321, 3769, 3772, 3774, 3780	
<code>\vspace</code> . . 3804, 3823, 3885, 3895, 3938, 3942, 3965, 3968, 3972,	
<code>\vss</code>	1719
<code>\vtop</code>	1714, 1715, 1836
W	
<code>\weatherFormat</code>	3639, 3641
<code>\weatheritem</code> . . 4045, 4060, 4061, 4063	
<code>\weatherTempFormat</code> . 3643, 4053	
<code>\weatherUnits</code>	3644, 4055
<code>\whiledo</code>	4670
<code>\width</code>	1347, 2288, 2289
<code>\write</code> . . . 2876, 3384, 3396, 3408	
<code>\writexviiiifalse</code>	2592
<code>\writexviiiitru</code>	2590
X	
<code>\X</code>	4640
<code>\x</code>	2574, 2579
<code>\xdef</code> 1377, 1395, 4387, 4666, 4671, 4695, 4696, 4717, 4718, 4721, 4722	
<code>\XePersian</code> 1384, 2935, 3663	
<code>\xepersian</code>	2266, 2268
<code>\xepersian@adadi</code> . . 2993, 3018	
<code>\xepersian@adadi@tartibi</code> 3094, 3119	
<code>\xepersian@@fontsize@scale</code>	3435, 3479
<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>	3506, 4229, 4230, 4231, 4232, 4235, 4240, 4245, 4250
<code>\xepersian@computeautoilg</code> 2890, 3487	
<code>\xepersian@cx</code> . 3833, 3838, 3855	
<code>\xepersian@cy</code> . . 3834, 3839, 3861	



\XePersian@d . . . 4769, 4794, 4899,
4918, 4920, 4923, 4928
\XePersian@D . . . 1409, 1430, 1431,
1432, 1433, 1437, 1438, 1439,
1441, 1442
\XePersian@dahgan . . . 3051, 3072,
3155
\XePersian@dahgan@tartibi 3153,
3161
\XePersian@dn
. . . 4789, 4888, 4896, 4899,
4902, 4906, 4918, 4920
\XePersian@dx . . . 3831, 3836, 3847,
3850
\XePersian@dy . . . 3832, 3837, 3848,
3851
\XePersian@edition . . . 3613, 3617,
3653, 3773, 3905
\XePersian@editionLogo . . . 3615,
3883, 3901
\XePersian@editorialTit . . . 4310,
4329
\XePersian@editorialTitle 3756,
4315
\XePersian@everyjob 2546, 2547
\XePersian@firstText 3688, 3944
\XePersian@firstTitle . . . 3676,
3939
\XePersian@fmbox . . . 3799, 3801,
3802
\XePersian@footcenter . . . 3665,
3672, 3924
\XePersian@footleft 3667, 3671,
3923
\XePersian@footright 3662, 3673,
3922
\XePersian@gridcolumns . . . 3528,
3530, 3569, 3573
\XePersian@gridrows 3527, 3529,
3569, 3573
\XePersian@headcenter . . . 3649,
3659, 3921
\XePersian@headDateTime . . . 3635,
3889, 3903
\XePersian@headleft 3646, 3658,
3920
\XePersian@headright 3652, 3660,
3919
\XePersian@i
. . . 4769, 4892, 4893, 4895,
4896, 4897, 4900, 4904, 4905,
4908, 4909, 4912, 4915, 4917
\XePersian@ilg 2887, 2891, 2895,
2896, 2900, 2901, 2919
\XePersian@imgsize 3505, 3806,
3807, 3809, 3818, 3819
\XePersian@incolumnTitle 4216,
4235, 4240, 4245, 4250
\XePersian@indexEntry . . . 3625,
4152
\XePersian@indexEntryPage 3631,
4152
\XePersian@indexFrameTitle . . .
. 3621, 4128
\XePersian@indexwidth . . . 3509,
3628, 4127, 4131, 4132
\XePersian@inexpandedTitle . . .
4167, 4182, 4187, 4192, 4197
\XePersian@innerSubtitle 3743,
4283
\XePersian@innerTitle . . . 3732,
4282
\XePersian@kabisehfalse . . . 4839,
4845
\XePersian@kabisehtrue . . . 4845
\XePersian@kashida . . . 1415, 1437,
1438, 1439, 1440, 1441, 1442,
1443
\XePersian@L . . . 1410, 1434, 1438,
1439, 1440, 1443, 1444
\XePersian@latini . . . 4770, 4816
\XePersian@latinii . . . 4771, 4818,
4820
\XePersian@latiniii 4772, 4822
\XePersian@latiniv . . . 4773, 4823
\XePersian@latinix . . . 4778, 4828
\XePersian@latinvi . . . 4774, 4824
\XePersian@latinvii . . . 4775, 4825
\XePersian@latinviii 4776, 4826
\XePersian@latinix 4777, 4827
\XePersian@latinx . . . 4779, 4829
\XePersian@latinxi . . . 4780, 4830



<code>\XePersian@latinxi</code>	4781, 4831	<code>\xepersian@pages</code>	... 3729, 3964,
<code>\XePersian@leapfalse</code>	4801, 4805,		3996, 4281
4811		<code>\XePersian@persian@month</code>	4924,
<code>\XePersian@leaptrue</code>	. 4811, 4812		4929
<code>\xepersian@localize@verbatim@</code>		<code>\XePersian@persiani</code>	4770, 4870,
.....	2187, 2188,		4871, 4901, 4918
2190, 2198, 2211, 2220, 2231,		<code>\XePersian@persianii</code>	4771, 4872
2239, 2253		<code>\XePersian@persianiii</code>	... 4772,
<code>\xepersian@localize@verbatim@@</code>			4874, 4876
.....	2190, 2191	<code>\XePersian@persianiv</code>	4773, 4878
<code>\xepersian@localize@verbatim@@@</code>		<code>\XePersian@persianix</code>	4778, 4883
.....	2193, 2194	<code>\XePersian@persianv</code>	4774, 4879
<code>\xepersian@localize@verbatim@@@testend</code>		<code>\XePersian@persianvi</code>	4775, 4880
.....	2233, 2243	<code>\XePersian@persianvii</code>	... 4776,
<code>\xepersian@localize@verbatim@rescan</code>			4881
.....	2247, 2256	<code>\XePersian@persianviii</code>	.. 4777,
<code>\xepersian@localize@verbatim@start</code>			4882
. 2184, 2259, 2260, 2271		<code>\XePersian@persianx</code>	4779, 4884
<code>\xepersian@localize@verbatim@test</code>		<code>\XePersian@persianxi</code>	4780, 4885
... 2202, 2204, 2205		<code>\XePersian@persianxii</code>	... 4781,
<code>\xepersian@localize@verbatim@testend</code>			4886
.....	2216, 2223	<code>\XePersian@persianxiii</code>	.. 4782,
<code>\XePersian@m</code>	.. 4769, 4794, 4890,		4887
4909, 4912, 4924, 4927		<code>\xepersian@pictureCaption</code>	3725,
<code>\xepersian@milyoongan</code>	... 3020,		3821, 4035
3031		<code>\xepersian@R</code>	1411, 1429, 1441, 1443
<code>\xepersian@milyoongan@tartibi</code>		<code>\xepersian@sadgan</code>	.....
.....	3121, 3132		.. 3024, 3029, 3033, 3037,
<code>\XePersian@mminusone</code>	4791, 4890,		3042, 3125, 3138
4891, 4893, 4897		<code>\xepersian@sadgan@tartibi</code>	3130,
<code>\xepersian@ncol</code>	... 3860, 3861		3134, 3143
<code>\xepersian@ncolumns</code>	3510, 4211,	<code>\xepersian@say</code>	3798, 4278, 4298,
4212, 4279			4301, 4303, 4327, 4353
<code>\xepersian@nrow</code>	... 3854, 3855	<code>\xepersian@secondSubtitle</code>	3701,
<code>\xepersian@numberoutofrange</code>			3970
... 2978, 2989, 3090		<code>\xepersian@secondText</code>	... 3705,
<code>\xepersian@numberstring</code>	. 2975,		3974
2983		<code>\xepersian@secondTitle</code>	.. 3692,
<code>\xepersian@numberstring@tartibi</code>			3966
.....	3081, 3084	<code>\xepersian@section</code>	. 3645, 3650,
<code>\xepersian@PackageInfo</code>	.. 4448,		4274
4508		<code>\xepersian@shellescape</code>	.. 2589
<code>\xepersian@pageleft</code>	3508, 4295,	<code>\xepersian@shortarticleItemTitle</code>	
4296, 4298, 4300		.....	3763, 4367
<code>\xepersian@pageneed</code>	3507, 3809,	<code>\xepersian@shortarticleSubtitle</code>	
3810, 3812, 3815, 4294, 4300		.....	3761, 4347

`\xepersian@shortarticleTit` 4339, 4354
`\xepersian@shortarticleTitle` 3759, 4343
`\XePersian@sn` 4790, 4889, 4901, 4902, 4905, 4906, 4915, 4920
`\xepersian@strutilg` 2888, 2891, 2906, 2907, 2911, 2912, 2919, 2920, 2923, 3488, 3491
`\xepersian@tartibi` . 3081, 3166
`\xepersian@tcl` 2886, 2891, 2893, 2894, 2895, 2896, 2899, 2900, 2901, 2905, 2906, 2907, 2910, 2911, 2912, 2917, 2918
`\XePersian@temp` 4784, 4795, 4796, 4797, 4799, 4803, 4804, 4805, 4808, 4809, 4810, 4811, 4833, 4834, 4835, 4838, 4839, 4841, 4844, 4845, 4849, 4850, 4853, 4856, 4861, 4866, 4868, 4869, 4871
`\xepersian@tempa` 3280, 3288, 3296, 3304, 3311, 3319, 3326, 3333, 3339, 3351, 3357, 3363, 3367, 3371, 3377, 3390, 3402, 3414, 3438, 3445
`\xepersian@tempb` 3280, 3281, 3288, 3289, 3296, 3297, 3304, 3305, 3311, 3312, 3319, 3320, 3326, 3327, 3333, 3334, 3339, 3340, 3351, 3352, 3357, 3358, 3363, 3364, 3367, 3368, 3371, 3372, 3377, 3378, 3390, 3391, 3402, 3403, 3414, 3415, 3438, 3439, 3445, 3446
`\XePersian@tempthree` 4786, 4847, 4848, 4849, 4851, 4854, 4857, 4858, 4862, 4865, 4866, 4867, 4868
`\XePersian@temptwo` 4785, 4835, 4836, 4837, 4838, 4841, 4842, 4843, 4844, 4851, 4852, 4853, 4854, 4855, 4856, 4858, 4859, 4860, 4861, 4862, 4863, 4864, 4865
`\xepersian@thirdSubtitle` 3720, 4003
`\xepersian@thirdText` 3723, 4010
`\xepersian@thirdTitle` 3711, 3999
`\XePersian@thirtytwo` 4788, 4832, 4839
`\xepersian@V` 1413, 1435
`\xepersian@weather` . 3640, 4075
`\xepersian@www` 3610, 3883
`\xepersian@wwwFormat` 3609, 3611
`\XePersian@y` . . 4769, 4794, 4795, 4798, 4808, 4811, 4833, 4847, 4910, 4913, 4924, 4926
`\xepersian@yekani` . 3024, 3052, 3056, 3063, 3066, 3125
`\xepersian@yekanii` . 2975, 3037, 3062, 3138
`\xepersian@yekaniiiii` 3033, 3065, 3134
`\xepersian@yekaniv` . 3044, 3068, 3145
`\xepersian@yekanv` . . 3157, 3173
`\XePersian@yModHundred` 4787, 4798, 4799, 4800, 4803, 4807
`\xepersian@zwj` . . 1407, 1415, 1416
`\xepersiandate` . 2516, 2517, 2533
`\xepersianInit` 3566, 3867
`\xepersianversion` . . 2515, 2517, 2533, 2548
`\XeTeXcharclass` 1423
`\XeTeXcharglyph` 1416, 2894, 2895, 2896, 2899, 2900, 2901, 2905, 2906, 2907, 2910, 2911, 2912
`\XeTeXglyphbounds` 1416, 2894, 2895, 2896, 2899, 2900, 2901, 2905, 2906, 2907, 2910, 2911, 2912
`\XeTeXinterchartoks` 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444
`\xpg@warning` . . . 3179, 3184, 3186



Y
 \y 2575, 2577, 2579
 \year 4794

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, 4845
 \z@skip 1315, 1316
 \ziffer@check 4563, 4564
 \ziffer@dcheck 4562, 4563
 \ziffer@DotOri 4560, 4563
 \ZifferAn 4558, 4561
 \ZifferLeer 4563, 4589

\ 1119, 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

