



# The XePersian *Package*

Documentation for *version 16*

*to my Master, Ferdowsi The Great*

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<https://github.com/persian-tex/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 $\text{\LaTeX}$ <sub>2 $\epsilon$</sub> , using Xe $\text{\TeX}$ engine

Documentation for [version 16](#)

Vafa Khalighi  
[persian-tex@tug.org](mailto:persian-tex@tug.org)

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## Contents

<b>1</b>	<b>Introduction</b>	<b>4</b>			
1.1	Important Notes . . . . .	4			
1.2	XePersian Info On The Terminal and In The Log File . . . . .	4			
<b>2</b>	<b>Basics</b>	<b>5</b>			
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 . . . . .	6		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 . . . . .	7		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 $\text{\TeX}$ File . . . . .	38		2.6.10	Choosing Latin Mono Font . . . . . 40
2.6	Font Commands . . . . .	38	<b>3</b>	<b>Latin and Persian Environment</b>	<b>41</b>
			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

<b>4</b>	<b>New Conditionals</b>	<b>43</b>	<b>7</b>	<b>xepersian implementation</b>	<b>55</b>
4.1	Shell escape (or write18) conditional . . . . .	43	7.1	algorithmic-xepersian.def . . . . .	55
<b>5</b>	<b>Bilingual Captions</b>	<b>43</b>	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 . . . . .	57
5.2	Index Generation . . . . .	44	7.5	appendix-xepersian.def . . . . .	58
5.3	Converting Your FarsiT <sub>E</sub> X Files To XePersian or Unicode	44	7.6	article-xepersian.def . . . . .	59
<b>6</b>	<b>Extra Packages And Classes</b>	<b>45</b>	7.7	artikel1-xepersian.def . . . . .	59
6.1	Magazine Typesetting . . . . .	45	7.8	artikel2-xepersian.def . . . . .	59
6.1.1	Introduction . . . . .	45	7.9	artikel3-xepersian.def . . . . .	59
6.1.2	Usage . . . . .	45	7.10	backref-xepersian.def . . . . .	59
6.1.3	Front Page . . . . .	45	7.11	bidituftesidenote-xepersian.def	60
6.1.4	Inside . . . . .	47	7.12	bidimoderncv-xepersian.def . . .	61
6.1.5	The article environment	47	7.13	boek3-xepersian.def . . . . .	61
6.1.6	The editorial environment . . . . .	48	7.14	boek-xepersian.def . . . . .	62
6.1.7	The shortarticle environment . . . . .	49	7.15	bookest-xepersian.def . . . . .	62
6.1.8	Commands between articles . . . . .	49	7.16	book-xepersian.def . . . . .	62
6.1.9	Customization . . . . .	49	7.17	breqn-xepersian.def . . . . .	62
6.1.10	Front Page . . . . .	50	7.18	latex-localise-commands-xepersian.def . . . . .	63
6.1.11	Inside The Magazine . . . . .	51	7.19	color-localise-xepersian.def . . .	82
6.1.12	Class Options . . . . .	52	7.20	xepersian-localise-commands-xepersian.def . . . . .	82
6.2	Typesetting Multiple-choice Questions . . . . .	52	7.21	enumerate-xepersian.def . . . . .	84
6.2.1	Introduction . . . . .	52	7.22	fontspec-xetex-xepersian.def . . .	84
6.2.2	Usage . . . . .	53	7.23	latex-localise-environments-xepersian.def . . . . .	85
6.2.3	Loading The Package . . . . .	53	7.24	xepersian-localise-environments-xepersian.def . . . . .	86
6.2.4	Creating Questions . . . . .	53	7.25	extarticle-xepersian.def . . . . .	86
6.2.5	The question Environment . . . . .	53	7.26	extbook-xepersian.def . . . . .	86
6.2.6	Question Numbers . . . . .	53	7.27	extrafootnotefeatures-xepersian.def . . . . .	86
6.2.7	The Form and the Mask	54	7.28	extreport-xepersian.def . . . . .	87
6.2.8	Typesetting corrections	54	7.29	flowfram-xepersian.def . . . . .	87
6.2.9	Important Note . . . . .	54	7.30	footnote-xepersian.def . . . . .	87
6.3	Customising The Package . . . . .	54	7.31	framed-xepersian.def . . . . .	90
6.3.1	The question environment . . . . .	55	7.32	glossaries-xepersian.def . . . . .	90
6.3.2	The Form and the Mask	55	7.33	hyperref-xepersian.def . . . . .	90
6.3.3	The correction . . . . .	55	7.34	imsproc-xepersian.def . . . . .	91
			7.35	kashida-xepersian.def . . . . .	94
			7.36	listings-xepersian.def . . . . .	95
			7.37	loadingorder-xepersian.def . . . .	95
			7.38	localise-xepersian.def . . . . .	95
			7.39	memoir-xepersian.def . . . . .	97
			7.40	latex-localise-messages-xepersian.def . . . . .	97
			7.41	minitoc-xepersian.def . . . . .	97
			7.42	latex-localise-misc-xepersian.def	98
			7.43	natbib-xepersian.def . . . . .	105



7.44	packages-localise-xepersian.def	110	7.53	tkz-linknodes-xepersian.def	116
7.45	parsidigits.map	113	7.54	tocloft-xepersian.def	117
7.46	rapport1-xepersian.def	113	7.55	xepersian.sty	117
7.47	rapport3-xepersian.def	114	7.56	xepersian-magazine.cls	132
7.48	refrep-xepersian.def	114	7.57	xepersian-mathsdigitspec.sty	149
7.49	report-xepersian.def	114	7.58	xepersian-multiplechoice.sty	154
7.50	scrartcl-xepersian.def	114	7.59	xepersian-persiancal.sty	156
7.51	scrbook-xepersian.def	115			
7.52	scrreprt-xepersian.def	115	8	Change History	195



## 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--2015 Vafa Khalighi
*
* v16, 2015/02/02
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/persian-tex/xepersian/issues
```



\*  
 \* Support: [persian-tex@tug.org](mailto: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<sub>E</sub>X but lion does not symbolizes XePersian. **Simorgh**<sup>1</sup> (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.

### 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.

<sup>1</sup>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>



### 2.4.3 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 escape (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  $\tilde{}$  is grouped under  $\bar{}$ ) for sorting Persian alphabets.

### 2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which  $\tilde{}$  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>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplayskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای 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>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\allowbreak	\شکستی
\alloc@	\تخصی@
\allocationnumber	\تخصیص یافته
\allowdisplaybreaks	\شکست نمایش مجاز
\Alph	\حروف بزرگ
\alph	\حروف کوچک
\alsoname	\نام همچنین
\and	\و
\angle	\زاویه
\appendixname	\عنوان پیوست
\approx	\تقریب
\arabic	\عربی
\arg	\آرگ
\arrayrulecolor	\رنگ خط جدول
\arraycolsep	\فاصله ستونهای آرایه
\arrayrulewidth	\ضخامت خط جدول
\arraystretch	\کشیدگی آرایه
\AtBeginDocument	\در آغاز نوشتار
\AtEndDocument	\در پایان نوشتار
\AtEndOfClass	\در انتهای طبقه
\AtEndOfPackage	\در انتهای سبک
\author	\نویسنده
\backmatter	\مطلب پشت
\backslash	\شکاف پشت
\badness	\بدنمایی
\bar	\میله
\baselineskip	\فاصله کرسی
\baselinestretch	\کشش فاصله کرسی
\batchmode	\پردازش دسته ای
\begin	\شروع
\beginL	\شروع چپ
\beginR	\شروع راست
\begingroup	\شروع گروه
\belowdisplayshortskip	\فاصله کوتاه پایین نمایش
\belowdisplayskip	\فاصله پایین نمایش
\bf	\سیاه
\bfdefault	\پیش فرض سیاه
\bfseries	\شمایل سیاه
\bgroup	\شرگروه
\bibitem	\مرجوع

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\bibliography</code>	\کتاب نامه
<code>\bibliographystyle</code>	\سبک کتاب نامه
<code>\bibname</code>	\عنوان کتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پایین شناور
<code>\botmark</code>	\علامت پایین
<code>\bottompageskip</code>	\کادر تا پایین
<code>\bottomfraction</code>	\نسبت پایین
<code>\box</code>	\کادر
<code>\boxmaxdepth</code>	\حد اکثر عمق کادر
<code>\break</code>	\شکن
<code>\bullet</code>	\گلوله
<code>@cclv</code>	\دوپن@پنج
<code>@ccclvi</code>	\دوپن@شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\کدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\cdots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک@ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانگر مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپر
<code>\closein</code>	\ببندورودی
<code>\closeout</code>	\ببند خروجی

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سر بند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار@
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crrc</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatecode</code>	\کد مکان غیرهما نطور
<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

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\بعد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@یک</code>
<code>\dimen@ii</code>	<code>\بعد@دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه مساوی</code>
<code>\dotfill</code>	<code>\پر نقطه</code>
<code>\dots</code>	<code>\نقاط</code>
<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>\پاگروه</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\اگر نه</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>
<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>\هرکادر</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>

*Continued on next page*



## Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<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>
<code>\fontseries</code>	<code>\شمار قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیر نویس</code>
<code>\footnote</code>	<code>\زیر نویس</code>
<code>\footnotemark</code>	<code>\علامت زیر نویس</code>
<code>\footnoterule</code>	<code>\خط زیر نویس</code>

*Continued on next page*



## Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

\footnotesep	\فاصله تازیرنویس
\footnotesize	\اندازه زیرنویس
\footnotetext	\متن زیرنویس
\footskip	\فاصله تا پایین صفحه
\frame	\فریم
\framebox	\کادر با خط
\frenchspacing	\فواصل یکنواخت لاتین
\frontmatter	\مطلب پیش
\futurelet	\بعد بگذار
\@gobble	\@خورجری صانه
\@gobbletwo	\@خورجری صانه دو
\@gobblefour	\@خورجری صانه چهار
\@gtempa	\@عاقبت آ
\@gtempb	\@عاقبت ب
\gdef	\ترع
\GenericInfo	\الگوی اطلاع
\GenericWarning	\الگوی هشدار
\GenericError	\الگوی خطا
\global	\عام
\globaldefs	\تعاریف عام
\glossary	\لغت نامه
\glossaryentry	\فقره فرهنگ
\goodbreak	\خوش شکن
\graphpaper	\کاغذگراف
\guillemotleft	\گیومه چپ
\guillemotright	\گیومه راست
\guilsinglleft	\گیومه تکی چپ
\guilsinglright	\گیومه تکی راست
\halign	\ردیف ا
\hang	\بروتو
\hangafter	\بعد از سطر
\hangindent	\تورفتگی ثابت
\hbadness	\بدنمایی ا
\hbox	\کادرا
\headheight	\بلندای سرصفحه
\headsep	\فاصله از سرصفحه
\headtoname	\سربه نام
\heartsuit	\دل
\height	\بلندا
\hfil	\پرا

*Continued on next page*





### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\hfill</code>	<code>\</code> پررا
<code>\hfilneg</code>	<code>\</code> رفع‌پرا
<code>\hfuzz</code>	<code>\</code> پرزاقفی
<code>\hideskip</code>	<code>\</code> فاصله مخفی
<code>\hidewidth</code>	<code>\</code> عرض پنهان
<code>\hline</code>	<code>\</code> خط‌پر
<code>\hoffset</code>	<code>\</code> حاشیه‌ا
<code>\holdinginserts</code>	<code>\</code> حفظ درج
<code>\hrboxsep</code>	<code>\</code> فاصله اگر
<code>\hrule</code>	<code>\</code> خط‌ا
<code>\hrulefill</code>	<code>\</code> پرخط‌ا
<code>\hsize</code>	<code>\</code> طول سطر
<code>\hskip</code>	<code>\</code> فاصله‌ا
<code>\hspace</code>	<code>\</code> فضای‌ا
<code>\hss</code>	<code>\</code> هردوا
<code>\ht</code>	<code>\</code> ارتفاع
<code>\huge</code>	<code>\</code> بزرگ
<code>\Huge</code>	<code>\</code> بزرگ‌تر
<code>\hyperlink</code>	<code>\</code> ابرپیوند
<code>\hypersetup</code>	<code>\</code> بارگذاری ابر
<code>\hypertarget</code>	<code>\</code> هدف ابر
<code>\hyphenation</code>	<code>\</code> تیره‌بندی
<code>\hyphenchar</code>	<code>\</code> نویسه تیره
<code>\hyphenpenalty</code>	<code>\</code> جریمه تیره‌بندی
<code>\@ifclassloaded</code>	<code>\</code> @گرکلاس فراخوانی شده
<code>\@ifdefinable</code>	<code>\</code> @گرترشدنی
<code>\@ifnextchar</code>	<code>\</code> @گرنویسه‌بعدی
<code>\@ifpackageloaded</code>	<code>\</code> @گرسبک فراخوانی شده
<code>\@ifstar</code>	<code>\</code> @گرستاره
<code>\@ifundefined</code>	<code>\</code> @گرتعریف نشده
<code>\if</code>	<code>\</code> گر
<code>\if@tempswa</code>	<code>\</code> گر@سواقت‌آ
<code>\ifcase</code>	<code>\</code> گرانواع
<code>\ifcat</code>	<code>\</code> گررده
<code>\ifdefined</code>	<code>\</code> گرتعریف شده
<code>\ifdim</code>	<code>\</code> گربعد
<code>\ifeof</code>	<code>\</code> گرته‌پرونده
<code>\iff</code>	<code>\</code> گرر
<code>\iffalse</code>	<code>\</code> گرنادرست
<code>\IfFileExists</code>	<code>\</code> گرپرونده موجود

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ifhbox</code>	\گرکادرا
<code>\ifhmode</code>	\گرحالت ا
<code>\ifinner</code>	\گردرونی
<code>\ifmmode</code>	\گرحالت ریاضی
<code>\ifnum</code>	\گرعدد
<code>\ifodd</code>	\گرفرد
<code>\ifthenelse</code>	\گرآنگاه دیگر
<code>\iftrue</code>	\گردرست
<code>\ifvbox</code>	\گرکادرو
<code>\ifvmode</code>	\گرحالت و
<code>\ifvoid</code>	\گرتهی
<code>\ifx</code>	\گرتام
<code>\ignorespaces</code>	\فاصله خالی رانده بگير
<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>	\ورودپرونده گرموجود
<code>\inputlineno</code>	\شماره سطرورودی
<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 رمتن
<code>\invisible</code>	\مخفی
<code>\itdefault</code>	\پیش فرض ای
<code>\itshape</code>	\شکل ایتالیک
<code>\item</code>	\فقره
<code>\itemindent</code>	\تورفتگی فقره
<code>\itemsep</code>	\فاصله فقره
<code>\iterate</code>	\تکرارکن
<code>\itshape</code>	\شکل ای

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<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>
<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>

*Continued on next page*



Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

\let	\بگذار
\line	\سطر
\linebreak	\سطرشکن
\linepenalty	\جریمه سطر
\lineskip	\فاصله سطرها
\lineskiplimit	\حد فاصله سطر
\linespread	\کشش فاصله سطر
\linethickness	\ضخامت خط
\linewidth	\پهنای سطر
\listfigurename	\عنوان فهرست اشکال
\listfiles	\لیست پرونده ها
\listoffigures	\فهرست اشکال
\listoftables	\فهرست جداول
\listparindent	\تورفتگی بند لیست
\listtablename	\عنوان فهرست جداول
\LoadClass	\بارکن طبقه
\LoadClassWithOptions	\بارکن طبقه با گزینه
\location	\مکان
\long	\بلند
\loop	\حلقه
\looseness	\گسیختگی
\lower	\انتقال بپایین
\@makeother	\@دیگر
\@m	\@زار
\@M	\ده@زار
\@Mi	\ده@زاریک
\@Mii	\ده@زاردو
\@Miii	\ده@زارسه
\@Miv	\ده@زارچهار
\@MM	\بیس@زار
\m@ne	\من@a
\mag	\بزرگ نمایی
\magstep	\گام
\magstephalf	\نیم گام
\mainmatter	\مطلب اصلی
\makeatletter	\ات حرف
\makeatother	\ات دیگر
\makebox	\کادر بی خط
\makeglossary	\ساخت فرهنگ
\makeindex	\تهیه نمایه

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<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
<code>\month</code>	\ماه
<code>\moveleft</code>	\انتقال بچپ
<code>\moveright</code>	\انتقال بر راست
<code>\mskip</code>	\فاصله ریاضی
<code>\m@th</code>	\ری @ ضی
<code>\multicolumn</code>	\چند ستونی
<code>\multiply</code>	\ضرب
<code>\multispan</code>	\چند ادغام

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\muskip</code>	<code>\ميوفاصله</code>
<code>\muskipdef</code>	<code>\تعريف ميوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\@یک</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبيعي</code>
<code>\nearrow</code>	<code>\باریک</code>
<code>\nearrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\گر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\ميوفاصله جديد</code>
<code>\newpage</code>	<code>\صفحه جديد</code>
<code>\newread</code>	<code>\بخوان جديد</code>
<code>\newsavebox</code>	<code>\تعريف کادر جديد</code>
<code>\newskip</code>	<code>\فاصله جديد</code>
<code>\newtheorem</code>	<code>\قضيه جديد</code>
<code>\newtoks</code>	<code>\جزء جديد</code>
<code>\newwrite</code>	<code>\بنويس جديد</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<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 سطرمتعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطرمتعارف</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>
<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش درآمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایداشت ها</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\برونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefillllstretch	\کشش پررر صفحه
\pagefilllstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشرده گی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه
\pagetotal	\جمع صفحه
\paperheight	\بلندای کاغذ
\paperwidth	\پهنای کاغذ
\par	\بند
\paragraph	\پاراگراف
\parallel	\موازی
\parbox	\کادر پار
\parfillskip	\فاصله ته بند
\parindent	\تورفتگی سر بند
\parsep	\فاصله بند لیست
\parshape	\شکل بند

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\parskip</code>	<code>\فاصله‌بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان‌بخش</code>
<code>\partopsep</code>	<code>\فاصله‌بالای لیست‌بند</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>\preplaysize</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>\تأمین</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>
<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 اتيكت</code>
<code>\rangle</code>	<code>\زاویه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removeatlastskip</code>	<code>\رفع آخرین فاصله</code>
<code>\renewcommand</code>	<code>\فرمان ازنو</code>
<code>\renewenvironment</code>	<code>\محیط ازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبک موردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک موردنیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</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 ازدو</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>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</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>\scriptstyle</code>	<code>\سبک ته نوشت</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\scrollmode	\پردازش گذری
\section	\قسمت
\secdef	\تعریف قسمت
\see	\ببینید
\seealso	\نیز ببینید
\seename	\نام ببینید
\selectfont	\قلم بردار
\setboolean	\تنظیم بولی
\setbox	\درکادر
\setcounter	\مقدار شمارنده
\setkeys	\مقدار کلیدها
\setlength	\مقدار بعد
\setminus	\تنظیم منها
\SetSymbolFont	\تعریف قلم علائم
\settodepth	\تنظیم به عمق
\settoheight	\تنظیم به ارتفاع
\settowidth	\مقدار بعد به اندازه
\sfcode	\کد ضریب فاصله
\sfdefault	\پیش فرض س ف
\sffamily	\فامیل سن سریف
\shadowbox	\کادر سایه دار
\sharp	\تیز
\shipout	\بفرست
\shortstack	\پشته کوتاه
\show	\نمایش بده
\showbox	\نمایش بده کادر
\showboxbreadth	\میزان نمایش کادر
\showboxdepth	\عمق نمایش کادر
\showlists	\نمایش بده لیستها
\showthe	\نمایش بده محتوای
\simplefontmode	\حالت ساده قلم
\sist@n	\شانزد @
\skewchar	\نویسه اریب
\skip	\فاصله
\skip@	\فاصل @
\skipdef	\تعریف فاصله
\sl	\خوابیده
\sldefault	\پیش فرض خو
\slshape	\شکل خوابیده
\sloppy	\راحت چین

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Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\slshape</code>	\شمايل خو
<code>\small</code>	\کو چک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatencode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مسا
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ
<code>\@tempb</code>	\@موقت ب
<code>\@tempc</code>	\@موقت پ
<code>\@tempd</code>	\@موقت ت
<code>\@tempe</code>	\@موقت ث
<code>\@tempboxa</code>	\@کادرقت آ
<code>\@tempcnta</code>	\@شماقت آ
<code>\@tempcntb</code>	\@شماقت ب
<code>\@tempdima</code>	\@بعدقت آ

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### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

\@tempdimb	\@بعدقتب
\@tempdimc	\@بعدقتپ
\@tempskipa	\@فاقتآ
\@tempskipb	\@فاقتب
\@tempswafalse	\@سواقتآنادرست
\@tempswatrue	\@سواقتآدرست
\@temptokena	\@جزقتآ
\@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
\textbar	\میله متنی
\textgreater	\بزرگ ترممتنی
\textless	\کمترمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<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 متني
<code>\texttrademark</code>	\علامت تجاری متني
<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
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حد بدنامی
<code>\top</code>	\بالا

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\topfigrule</code>	<code>\خط بالای شناور</code>
<code>\topfraction</code>	<code>\نسبت بالا</code>
<code>\topmargin</code>	<code>\حاشیه بالا</code>
<code>\topmark</code>	<code>\علامت بالا</code>
<code>\toppageskip</code>	<code>\کادر تا بالا</code>
<code>\topsep</code>	<code>\فاصله بالای لیست</code>
<code>\topskip</code>	<code>\فاصله بالا</code>
<code>\totalheight</code>	<code>\بلندای کل</code>
<code>\tracingall</code>	<code>\ردگیری کل</code>
<code>\tracingcommands</code>	<code>\ردگیری فرامین</code>
<code>\tracinglostchars</code>	<code>\ردگیری حروف</code>
<code>\tracingmacros</code>	<code>\ردگیری ماکروها</code>
<code>\tracingonline</code>	<code>\ردگیری نمایشی</code>
<code>\tracingoutput</code>	<code>\ردگیری صفحه بندی</code>
<code>\tracingpages</code>	<code>\ردگیری صفحات</code>
<code>\tracingparagraphs</code>	<code>\ردگیری بندها</code>
<code>\tracingrestores</code>	<code>\ردگیری بازگردانی</code>
<code>\tracingstats</code>	<code>\ردگیری آمارها</code>
<code>\triangle</code>	<code>\مثلث</code>
<code>\ttdefault</code>	<code>\پیش فرض تایپ</code>
<code>\ttfamily</code>	<code>\فامیل تایپ</code>
<code>\tw@</code>	<code>\دو@</code>
<code>\twocolumn</code>	<code>\دو ستون</code>
<code>\typein</code>	<code>\در نویسی</code>
<code>\typeout</code>	<code>\بر نویسی</code>
<code>\uccode</code>	<code>\کد بزرگ</code>
<code>\uchyph</code>	<code>\تیره بندی بزرگ</code>
<code>\undefined</code>	<code>\تعریف نشده</code>
<code>\underline</code>	<code>\زیر خط</code>
<code>\unhbox</code>	<code>\بی کادر</code>
<code>\unhcopy</code>	<code>\بی کپی</code>
<code>\unitlength</code>	<code>\واحد طول</code>
<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>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\usecounter	\باشمارشگر
\usefont	\گزینه‌ش قلم
\usepackage	\سبک لازم
\@vobeyspaces	\@فضاهای فعال
\@void	\@تهی
\vadjust	\تنظیم و
\valign	\ردیف و
\value	\محتوای شمارنده
\vbadness	\بدنمایی و
\vbox	\کادر و
\vcenter	\کادر وسط
\verb	\همانطور
\vfil	\پرو
\vfill	\پررو
\vfilneg	\رفع پرو
\vfuzz	\پر زعمودی
\visible	\نمایان
\vline	\خط عمود
\voffset	\حاشیه و
\voidb@x	\ک@در تهی
\vpageref	\ارجاع صفحه ع
\vrbboxsep	\فاصله وگرد
\vref	\ارجاع ع
\vrule	\خط و
\vsize	\طول صفحه
\vskip	\فاصله و
\vspace	\فضای و
\vsplit	\شکست و
\vss	\هر دو و
\vtop	\کادر گود
\wd	\عرض
\whiledo	\مادام بکن
\widehat	\کلاه پهن
\widetilde	\مد پهن
\widowpenalty	\جریمه ته بند
\width	\پهنا
\wlog	\در کارنامه
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\@فر
\z@skip	\@فر فاصله

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
\autofootnoterule	\خط زیرنویس خودکار
\AutoMathsDigits	\اعداد فرمولها خودکار
\DefaultMathsDigits	\اعداد فرمولها لاتین
\deflatinfont	\تعریف قلم لاتین
\defpersianfont	\تعریف قلم پارسی
\hboxL	\کادر چپ
\hboxR	\کادر راست
\keyval@eq@alias@key	\معادل@کلید
\Latincite	\مرجع لاتین
\latinfont	\قلم لاتین
\latintoday	\امروز لاتین
\leftfootnoterule	\خط زیرنویس چپ
\lr	\متن لاتین
\LRE	\چپ براست
\LTRdblcol	\دوستونی چپ
\LTRfootnote	\پانویس
\LTRfootnotetext	\متن پانویس
\LTRthanks	\پانویس عنوان
\persianday	\روز پارسی
\persianfont	\قلم پارسی
\PersianMathsDigits	\اعداد فرمولها پارسی
\persianmonth	\ماه پارسی
\persianyear	\سال پارسی
\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	\پانویست

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Command in XePersian	Equivalent Persian Command
<code>\RTLfootnotetext</code>	\متن پانوشت
<code>\RTLthanks</code>	\پانوشت عنوان
<code>\@SepMark</code>	\@علامت بین
<code>\SepMark</code>	\علامت بین
<code>\setdefaultbibitems</code>	\بگذارمرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذاردرجاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذارزیرنویس چپ
<code>\setfootnoteRL</code>	\بگذارزیرنویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذارمتن چپ
<code>\setLTRbibitems</code>	\بگذارمرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذاردرجاشیه چپ
<code>\setRTL</code>	\بگذارمتن راست
<code>\setRTLbibitems</code>	\بگذارمرجوعات راست
<code>\setRTLmarginpar</code>	\بگذاردرجاشیه راست
<code>\settextfont</code>	\گزینش قلم متن
<code>\textwidthfootnoterule</code>	\خط زیرنویس پهنای متن
<code>\twocolumnstableofcontents</code>	\فهرست مطالب دو ستونی
<code>\unsetfootnoteRL</code>	\نگذارزیرنویس راست
<code>\unsetLTR</code>	\نگذارمتن چپ
<code>\unsetRTL</code>	\نگذارمتن راست
<code>\vboxL</code>	\کادر وازچپ
<code>\vboxR</code>	\کادر وازراست
<code>\XeLaTeX</code>	\زی لاتک
<code>\XePersian</code>	\زی پرشین
<code>\xepersianversion</code>	\گونه زی پرشین
<code>\xepersiandate</code>	\تاریخ گونه زی پرشین
<code>\XeTeX</code>	\زی تک

Table 3: The Equivalent  $\text{\LaTeX}$  Environments

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه
<code>center</code>	وسط چین
<code>description</code>	توضیح
<code>displaymath</code>	ریاضی نمایشی
<code>document</code>	نوشتار
<code>enumerate</code>	شمارش
<code>figure</code>	شکل

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Environment in $\text{\LaTeX}$	Equivalent Persian Environment
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 رج
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چندستونی 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
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

*Continued on next page*



Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته‌بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته‌بندی 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  $\text{\LaTeX}$  position arguments

Position argument in $\text{\LaTeX}$	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	مبدأ
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی

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Original Key	Equivalent Persian Key
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
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

*Continued on next page*



Original font feature	Equivalent Persian font feature
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
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی

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Original font feature	Equivalent Persian font feature
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<sub>E</sub>X 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 زیرقسمت}
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<sub>E</sub>X 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<sub>E</sub>X 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<sub>E</sub>X 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 `LTRitems` environment but changes the font to Latin font.

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

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

### 3.2 Short Latin and Persian Texts

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

☞ With `\lr` command, you can typeset short LTR texts.

☞ With `\rl` command, you can typeset short RTL texts.

### 3.3 Miscellaneous Commands

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

☞ `\persianyear` is Persian equivalent of `\year`.



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

### 3.4 New Commands

`\Latincite`

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

### 3.5 Additional Counters

XePersian defines several additional counters to what already  $\text{\LaTeX}$  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`

<code>\DefaultMathsDigits</code> <code>\PersianMathsDigits</code> <code>\AutoMathsDigits</code>
---

- ☞ 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<sub>E</sub>X 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<sub>E</sub>X'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<sub>E</sub>X's default font and digits in math mode.

## 4 New Conditionals

### 4.1 Shell escape (or `write18`) conditional

<pre>\ifwritexviii   <i>&lt;material when Shell escape (or write18) is enabled&gt;</i> \else   <i>&lt;material when Shell escape (or write18) is not enabled&gt;</i> \fi</pre>
--

## 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<sub>E</sub>X 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<sub>E</sub>X Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT<sub>E</sub>X files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT<sub>E</sub>X files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT<sub>E</sub>X 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<sub>E</sub>X 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 create<sup>2</sup> a magazine just load the class as usual<sup>3</sup>, 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 *<image>* and *<description>*. Notice that second argument is optional and it declares the image

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

<sup>3</sup>You 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  $\text{\LaTeX}$  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  $\text{\LaTeX}$  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  $\text{\LaTeX}$ . 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 \ جواب
4 \false \ جواب
5 \false \ 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  $\text{\LaTeX}$  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  $\text{\LaTeX}$  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}[2013/04/26 v0.3 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
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefnmark{%
25       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
36     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37     \floatingpenalty\@MM \hsize\columnwidth
38     \@parboxrestore \parindent\normalparindent \sloppy
39     \protected@edef\@currentlabel{%
40       \csname p@footnote\endcsname\@thefnmark}%
41     \@makefnmark{%
42       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
43
44
45

```



```

46
47
48
49
50 \long\def\@LTRfootnotetext#1{%
51   \insert\footins{%
52     \@RTLfalse%
53     \normalfont\footnotesize
54     \interlinepenalty\interfootnotelinepenalty
55     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
56     \floatingpenalty\@MM \hsize\columnwidth
57     \@parboxrestore \parindent\normalparindent \sloppy
58     \protected@edef\@currentlabel{%
59       \csname p@footnote\endcsname\@thefnmark}%
60     \@makefntext{%
61       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}%
62
63
64 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
65 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
66 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
67

```

## 7.4 amsbook-xepersian.def

```

68 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
69 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
70 \renewcommand \thepart {\@tartibi\c@part}
71 \def\appendix{\par
72   \c@chapter\z@ \c@section\z@
73   \let\chaptername\appendixname
74   \def\thechapter{\@harfi\c@chapter}}
75
76 \long\def\@footnotetext#1{%
77   \insert\footins{%
78     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
79     \normalfont\footnotesize
80     \interlinepenalty\interfootnotelinepenalty
81     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
82     \floatingpenalty\@MM \hsize\columnwidth
83     \@parboxrestore \parindent\normalparindent \sloppy
84     \protected@edef\@currentlabel{%
85       \csname p@footnote\endcsname\@thefnmark}%
86     \@makefntext{%
87       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}%
88
89
90
91
92

```



```

93 \long\def\@RTLfootnotetext#1{%
94   \insert\footins{%
95     \@RTLtrue%
96     \normalfont\footnotesize
97     \interlinepenalty\interfootnotelinepenalty
98     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
99     \floatingpenalty\@MM \hsize\columnwidth
100    \@parboxrestore \parindent\normalparindent \sloppy
101    \protected@edef\@currentlabel{%
102      \csname p@footnote\endcsname\@thefnmark}%
103    \@makefntext{%
104      \rule{z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}}
105
106
107
108
109
110
111
112 \long\def\@LTRfootnotetext#1{%
113   \insert\footins{%
114     \@RTLfalse%
115     \normalfont\footnotesize
116     \interlinepenalty\interfootnotelinepenalty
117     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
118     \floatingpenalty\@MM \hsize\columnwidth
119     \@parboxrestore \parindent\normalparindent \sloppy
120     \protected@edef\@currentlabel{%
121       \csname p@footnote\endcsname\@thefnmark}%
122     \@makefntext{%
123       \rule{z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}}
124
125 \footdir@temp\footdir@ORG@xepersian@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}
126 \footdir@temp\footdir@ORG@xepersian@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
127 \footdir@temp\footdir@ORG@xepersian@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
128

```

## 7.5 appendix-xepersian.def

```

129 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
130 \renewcommand{\@resets@pp}{\par
131   \@ppsavesec
132   \stepcounter{@pps}
133   \setcounter{section}{0}%
134   \if@chapter@pp
135     \setcounter{chapter}{0}%
136     \renewcommand\@chapapp{\appendixname}%
137     \renewcommand\thechapter{\@harfi@c@chapter}%
138   \else
139     \setcounter{subsection}{0}%

```



```

140 \renewcommand\thesection{\@harfi\c@section}%
141 \fi
142 \restoreapp
143 }

```

## 7.6 article-xepersian.def

```

144 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{section}{0}%
148 \setcounter{subsection}{0}%
149 \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel1-xepersian.def

```

150 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
151 \renewcommand*\thepart{\@tartibi\c@part}
152 \renewcommand*\appendix{\par
153 \setcounter{section}{0}%
154 \setcounter{subsection}{0}%
155 \gdef\thesection{\@harfi\c@section}}

```

## 7.8 artikel2-xepersian.def

```

156 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
157 \renewcommand*\thepart{\@tartibi\c@part}
158 \renewcommand*\appendix{\par
159 \setcounter{section}{0}%
160 \setcounter{subsection}{0}%
161 \gdef\thesection{\@harfi\c@section}}

```

## 7.9 artikel3-xepersian.def

```

162 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
163 \renewcommand*\thepart{\@tartibi\c@part}
164 \renewcommand*\appendix{\par
165 \setcounter{section}{0}%
166 \setcounter{subsection}{0}%
167 \gdef\thesection{\@harfi\c@section}}

```

## 7.10 backref-xepersian.def

```

168 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
169 \def\backrefpagesname{\if@RTL else\ pages\fi}
170 \def\BR@Latincitex[#1]#2{%
171 \BRorg@Latincitex[#1]#2}%
172 \ifBR@verbose
173 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
174 \fi
175 \Hy@backout{#2}%
176 }
177 \AtBeginDocument{%

```



```

178 \ifundefined{NAT@parse}{%
179   \global\let\BRorg@Latincitex\@Latincitex
180   \global\let\@Latincitex\BR@Latincitex
181 }{%
182   \@ifpackageloaded{hyperref}{}%
183   \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
184 }%
185 \PackageInfo{backref}{** backref set up for natbib **}%
186 }%
187 }%

```

## 7.11 bidentuftsidenote-xepersian.def

```

188 \ProvidesFile{bidentuftsidenote-xepersian.def}[2014/12/28 v0.2 xepersian changes to bidentuftsidenote]
189 \setLTRcitationfont{\@bidentuftsidenote@marginfont\latinfont}
190 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
191   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
192   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
193   \ifthenelse{\NOT\isempty{#2}}{%
194     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
195   }{%
196     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
197   }%
198   \ifthenelse{\isempty{#1}}{%
199     % no specific footnote number provided
200     \stepcounter\@mpfn%
201     \protected@xdef\@thefnmark{\thempfn}%
202     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
203   }{%
204     % specific footnote number provided
205     \begingroup%
206       \csname c@\@mpfn\endcsname #1\relax%
207       \unrestored@protected@xdef\@thefnmark{\thempfn}%
208     \endgroup%
209     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
210   }%
211   \@bidentuftsidenote@print@citations% print any citations
212   \let\cite\@bidentuftsidenote@normal@cite% go back to using normal in-text \cite command
213   \unskip\ignorespaces% remove extra white space
214   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
215   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
216 }
217 \long\def\@RTLbidentuftsidenote@sidenote[#1][#2]#3{%
218   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
219   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
220   \ifthenelse{\NOT\isempty{#2}}{%
221     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
222   }{%
223     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
224   }%

```



```

225 \ifthenelse{\isempty{#1}}{%
226   % no specific footnote number provided
227   \stepcounter\@mpfn%
228   \protected@xdef\@thefnmark{\thempfn}%
229   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
230 }{%
231   % specific footnote number provided
232   \begingroup%
233     \csname c@\@mpfn\endcsname #1\relax%
234     \unrestored@protected@xdef\@thefnmark{\thempfn}%
235     \endgroup%
236     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
237 }%
238 \@bidityftesidenote@print@citations%          print any citations
239 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
240 \unskip\ignorespaces%                          remove extra white space
241 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
242 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
243 }
244 \renewcommand\LTRmarginnote[2][Opt]{%
245   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
246   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
247   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
248   \@bidityftesidenote@print@citations%          print any citations
249   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
250 }
251 \renewcommand\RTLmarginnote[2][Opt]{%
252   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
253   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
254   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
255   \@bidityftesidenote@print@citations%          print any citations
256   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
257 }

```

## 7.12 bidimoderncv-xepersian.def

```

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

```

## 7.13 boek3-xepersian.def

```

260 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
261 \renewcommand*\thepart{\@tartibi\c@part}
262 \renewcommand*\frontmatter{%
263   \cleardoublepage
264   \@mainmatterfalse
265   \pagenumbering{harfi}}
266 \renewcommand*\appendix{\par
267   \setcounter{chapter}{0}%
268   \setcounter{section}{0}%
269   \gdef\@chapapp{\appendixname}%

```



```
270 \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.14 boek-xepersian.def

```
271 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
272 \renewcommand*\thepart{\@tartibi\c@part}
273 \renewcommand*\frontmatter{%
274   \cleardoublepage
275   \@mainmatterfalse
276   \pagenumbering{harfi}}
277 \renewcommand*\appendix{\par
278   \setcounter{chapter}{0}%
279   \setcounter{section}{0}%
280   \gdef\@chapapp{\appendixname}%
281   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.15 bookest-xepersian.def

```
282 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
283 \renewcommand \thepart {\@tartibi\c@part}
284 \renewcommand\appendix{\par
285   \setcounter{chapter}{0}%
286   \setcounter{section}{0}%
287   \gdef\@chapapp{\appendixname}%
288   \gdef\thechapter{\@harfi\c@chapter}
289 }%end appendix
```

## 7.16 book-xepersian.def

```
290 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
291 \renewcommand\frontmatter{%
292   \cleardoublepage
293   \@mainmatterfalse
294   \pagenumbering{harfi}}
295 \renewcommand \thepart {\@tartibi\c@part}
296 \renewcommand\appendix{\par
297   \setcounter{chapter}{0}%
298   \setcounter{section}{0}%
299   \gdef\@chapapp{\appendixname}%
300   \gdef\thechapter{\@harfi\c@chapter}
301 }%end appendix
```

## 7.17 breqn-xepersian.def

```
302 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
303 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
304   \everydisplay\expandafter{\the\everydisplay \display@setup}%
305   \if@noskipsec \leavevmode \fi
306   \if@inlabel \leavevmode \global\@inlabelfalse \fi
307   \if\eq@group\else\eq@prelim\fi
308   \setkeys{breqn}{#1}%
309   \the\eqstyle
310   \eq@setnumber
```



```

311 \begingroup
312 \eq@setup@a
313 \eq@startup
314 }
315 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
316 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
317 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
318 \global\let\GRP@label\@empty
319 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
320 \global\grp@linewidth\z@\global\grp@wdNum\z@
321 \global\let\grp@eqs@numbered\@False
322 \global\let\grp@aligned\@True
323 \global\let\grp@shiftnumber\@False
324 \eq@prelim
325 \setkeys{breqn}{#1}%
326 \if\grp@hasNumber \grp@setnumber \fi
327 }
328 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
329 \let\display@setup\dseries@display@setup
330 % Question: should this be the default for dseries???
331 \global\eq@wdCond\z@
332 \@dmath[layout={M},#1]%
333 \mathsurround\z@\@math \penalty\@Mi
334 \let\endmath\ends@math
335 \def\premath{%
336 \ifdim\lastskip<.3em \unskip
337 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
338 }%
339 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
340 \ignorespaces
341 }

```

## 7.18 latex-localise-commands-xepersian.def

```

342 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of LaTeX]
343 \eqcommand{ }{\@arstrut}
344 \eqcommand{ }{\above}
345 \eqcommand{ }{\abovedisplayshortskip}
346 \eqcommand{ }{\abovedisplayshortskip}
347 \eqcommand{ }{\abstractname}
348 \eqcommand{ }{\accent}
349 \eqcommand{ }{\active}
350 \eqcommand{ }{\addcontentsline}
351 \eqcommand{ }{\addpenalty}
352 \eqcommand{ }{\address}
353 \eqcommand{ }{\addtocontents}
354 \eqcommand{ }{\addtocounter}
355 \eqcommand{ }{\addtolength}
356 \eqcommand{ }{\addvspace}
357 \eqcommand{ }{\adjdemerits}

```





```

358 \eqcommand{      }{advance}
359 \eqcommand{      }{afterassignment}
360 \eqcommand{      }{aftergroup}
361 \eqcommand{ }{aleph}
362 \eqcommand{      }{aliasfontfeature}
363 \eqcommand{      }{aliasfontfeatureoption}
364 \eqcommand{      }{allowbreak}
365 \eqcommand{ @}{alloc@}
366 \eqcommand{      }{allocationnumber}
367 \eqcommand{      }{allowdisplaybreaks}
368 \eqcommand{      }{Alph}
369 \eqcommand{      }{alph}
370 \eqcommand{      }{alsoname}
371 \eqcommand{ }{and}
372 \eqcommand{      }{angle}
373 \eqcommand{      }{appendixname}
374 \eqcommand{      }{approx}
375 \eqcommand{      }{arabic}
376 \eqcommand{ }{arg}
377 \eqcommand{      }{arrayrulecolor}
378 \eqcommand{      }{arraycolsep}
379 \eqcommand{      }{arrayrulewidth}
380 \eqcommand{      }{arraystretch}
381 \eqcommand{      }{AtBeginDocument}
382 \eqcommand{      }{AtEndDocument}
383 \eqcommand{      }{AtEndOfClass}
384 \eqcommand{      }{AtEndOfPackage}
385 \eqcommand{      }{author}
386 \eqcommand{      }{backmatter}
387 \eqcommand{      }{backslash}
388 \eqcommand{      }{badness}
389 \eqcommand{ }{bar}
390 \eqcommand{      }{baselineskip}
391 \eqcommand{      }{baselinestretch}
392 \eqcommand{      }{batchmode}
393 \eqcommand{ }{begin}
394 \eqcommand{      }{beginL}
395 \eqcommand{      }{beginR}
396 \eqcommand{      }{begingroup}
397 \eqcommand{      }{belowdisplayshortskip}
398 \eqcommand{      }{belowdisplayskip}
399 \eqcommand{ }{bf}
400 \eqcommand{      }{bfdefault}
401 \eqcommand{      }{bfseries}
402 \eqcommand{      }{bgroup}
403 \eqcommand{ }{bibitem}
404 \eqcommand{      }{bibliography}
405 \eqcommand{      }{bibliographystyle}
406 \eqcommand{      }{bibname}
407 \eqcommand{      }{bigskip}

```



```

408 \eqcommand{      }{bigskipamount}
409 \eqcommand{      }{botfigrule}
410 \eqcommand{      }{botmark}
411 \eqcommand{      }{bottompageskip}
412 \eqcommand{      }{bottomfraction}
413 \eqcommand{ }{box}
414 \eqcommand{      }{boxmaxdepth}
415 \eqcommand{ }{break}
416 \eqcommand{ }{bullet}
417 \eqcommand{ @ }{@cclv}
418 \eqcommand{ @ }{@cclvi}
419 \eqcommand{ }{caption}
420 \eqcommand{ }{catcode}
421 \eqcommand{ }{cc}
422 \eqcommand{      }{ccname}
423 \eqcommand{      }{cdot}
424 \eqcommand{      }{cdots}
425 \eqcommand{      }{centering}
426 \eqcommand{ }{centerline}
427 \eqcommand{ @ }{ch@ck}
428 \eqcommand{ }{chapter}
429 \eqcommand{      }{chaptername}
430 \eqcommand{ }{char}
431 \eqcommand{      }{chardef}
432 \eqcommand{      }{CheckCommand}
433 \eqcommand{ }{cite}
434 \eqcommand{      }{ClassError}
435 \eqcommand{      }{ClassInfo}
436 \eqcommand{      }{ClassWarning}
437 \eqcommand{      }{ClassWarningNoLine}
438 \eqcommand{      }{cleaders}
439 \eqcommand{      }{cleardoublepage}
440 \eqcommand{      }{clearpage}
441 \eqcommand{ }{cline}
442 \eqcommand{      }{closein}
443 \eqcommand{      }{closeout}
444 \eqcommand{ }{closing}
445 \eqcommand{      }{clubpenalty}
446 \eqcommand{ }{clubsuit}
447 \eqcommand{      }{colbotmark}
448 \eqcommand{      }{colfirstmark}
449 \eqcommand{ }{color}
450 \eqcommand{      }{colorbox}
451 \eqcommand{      }{coltopmark}
452 \eqcommand{      }{columncolor}
453 \eqcommand{      }{columnsep}
454 \eqcommand{      }{columnwidth}
455 \eqcommand{      }{columnseprule}
456 \eqcommand{      }{contentsline}
457 \eqcommand{      }{contentsname}

```



```

458 \eqcommand{ }{copy}
459 \eqcommand{ }{copyright}
460 \eqcommand{ }{count}
461 \eqcommand{ @}{count@}
462 \eqcommand{ }{countdef}
463 \eqcommand{ }{cr}
464 \eqcommand{ }{crrcr}
465 \eqcommand{ }{csname}
466 \eqcommand{ }{CurrentOption}
467 \eqcommand{ }{dashbox}
468 \eqcommand{ }{dashv}
469 \eqcommand{@ }{date}
470 \eqcommand{ }{date}
471 \eqcommand{ }{day}
472 \eqcommand{ }{dblbotfigrule}
473 \eqcommand{ }{dblbottomfraction}
474 \eqcommand{ }{dblfigrule}
475 \eqcommand{ }{dblfloatpagefraction}
476 \eqcommand{ }{dblfloatsep}
477 \eqcommand{ }{dblftntlocatecode}
478 \eqcommand{ }{dbltextfloatsep}
479 \eqcommand{ }{dbltopfraction}
480 \eqcommand{ }{DeclareFixedFont}
481 \eqcommand{ }{DeclareGraphicsExtensions}
482 \eqcommand{ }{DeclareGraphicsRule}
483 \eqcommand{ }{DeclareOldFontCommand}
484 \eqcommand{ }{DeclareOption}
485 \eqcommand{ }{DeclareRobustCommand}
486 \eqcommand{ }{DeclareSymbolFont}
487 \eqcommand{ }{deadcycles}
488 \eqcommand{ }{def}
489 \eqcommand{ @ }{define@key}
490 \eqcommand{ }{definecolor}
491 \eqcommand{ }{deg}
492 \eqcommand{ }{delcode}
493 \eqcommand{ }{delimiter}
494 \eqcommand{ }{delimiterfactor}
495 \eqcommand{ }{depth}
496 \eqcommand{ }{diamondsuit}
497 \eqcommand{ }{dim}
498 \eqcommand{ }{dimen}
499 \eqcommand{ @}{dimen@}
500 \eqcommand{ @ }{dimen@i}
501 \eqcommand{ @ }{dimen@ii}
502 \eqcommand{ }{dimendef}
503 \eqcommand{ }{discretionary}
504 \eqcommand{ }{displaybreak}
505 \eqcommand{ }{displayindent}
506 \eqcommand{ }{displaystyle}
507 \eqcommand{ }{displaywidth}

```



```

508 \eqcommand{ }{divide}
509 \eqcommand{ }{documentclass}
510 \eqcommand{ }{do}
511 \eqcommand{ }{dospecials}
512 \eqcommand{ }{dot}
513 \eqcommand{ }{doteq}
514 \eqcommand{ }{dotfill}
515 \eqcommand{ }{dots}
516 \eqcommand{ }{doublebox}
517 \eqcommand{ }{doublerulesepcolor}
518 \eqcommand{ }{doublerulesep}
519 \eqcommand{ }{downarrow}
520 \eqcommand{ }{dp}
521 \eqcommand{ }{dump}
522 \eqcommand{ }{edef}
523 \eqcommand{ }{egroup}
524 \eqcommand{ }{eject}
525 \eqcommand{ }{else}
526 \eqcommand{ }{em}
527 \eqcommand{ }{emergencystretch}
528 \eqcommand{ }{emph}
529 \eqcommand{@ }{@empty}
530 \eqcommand{ }{empty}
531 \eqcommand{ }{emptyset}
532 \eqcommand{ }{end}
533 \eqcommand{ }{endL}
534 \eqcommand{ }{endR}
535 \eqcommand{ }{endcsname}
536 \eqcommand{ }{endfirsthead}
537 \eqcommand{ }{endfoot}
538 \eqcommand{ }{endgraf}
539 \eqcommand{ }{endgroup}
540 \eqcommand{ }{endhead}
541 \eqcommand{ }{endinput}
542 \eqcommand{ }{endlastfoot}
543 \eqcommand{ }{enlargethispage}
544 \eqcommand{ }{endline}
545 \eqcommand{ }{endlinechar}
546 \eqcommand{ }{enspace}
547 \eqcommand{ }{enskip}
548 \eqcommand{ }{eqcommand}
549 \eqcommand{ }{eqenvironment}
550 \eqcommand{ }{eqref}
551 \eqcommand{ }{errhelp}
552 \eqcommand{ }{errmessage}
553 \eqcommand{ }{errorcontextlines}
554 \eqcommand{ }{errorstopmode}
555 \eqcommand{ }{escapechar}
556 \eqcommand{ }{euro}
557 \eqcommand{ }{evensidemargin}

```



```

558 \eqcommand{ }{everycr}
559 \eqcommand{ }{everydisplay}
560 \eqcommand{ }{everyhbox}
561 \eqcommand{ }{everyjob}
562 \eqcommand{ }{everymath}
563 \eqcommand{ }{everypar}
564 \eqcommand{ }{everyvbox}
565 \eqcommand{ }{ExecuteOptions}
566 \eqcommand{ }{exhyphenpenalty}
567 \eqcommand{ }{expandafter}
568 \eqcommand{ }{extracolsep}
569 \eqcommand{@ }{@firstofone}
570 \eqcommand{@ }{@firstoftwo}
571 \eqcommand{ @ }{f@ur}
572 \eqcommand{ }{fam}
573 \eqcommand{ }{fancypage}
574 \eqcommand{ }{fbox}
575 \eqcommand{ }{fboxrule}
576 \eqcommand{ }{fboxsep}
577 \eqcommand{ }{fcolorbox}
578 \eqcommand{ }{fi}
579 \eqcommand{ }{figurename}
580 \eqcommand{ }{filbreak}
581 \eqcommand{ }{fill}
582 \eqcommand{ }{firstmark}
583 \eqcommand{ }{flat}
584 \eqcommand{ }{floatpagefraction}
585 \eqcommand{ }{floatingpenalty}
586 \eqcommand{ }{floatsep}
587 \eqcommand{ }{flushbottom}
588 \eqcommand{ }{fmtname}
589 \eqcommand{ }{fmtversion}
590 \eqcommand{ }{fnsymbol}
591 \eqcommand{ }{font}
592 \eqcommand{ }{fontdimen}
593 \eqcommand{ }{fontencoding}
594 \eqcommand{ }{fontfamily}
595 \eqcommand{ }{fontname}
596 \eqcommand{ }{fontseries}
597 \eqcommand{ }{fontshape}
598 \eqcommand{ }{fontsize}
599 \eqcommand{ }{footheight}
600 \eqcommand{ }{footins}
601 \eqcommand{ }{footnote}
602 \eqcommand{ }{footnotemark}
603 \eqcommand{ }{footnoterule}
604 \eqcommand{ }{footnotesep}
605 \eqcommand{ }{footnotesize}
606 \eqcommand{ }{footnotetext}
607 \eqcommand{ }{footskip}

```



```

608 \eqcommand{ }{frame}
609 \eqcommand{ }{framebox}
610 \eqcommand{ }{frenchspacing}
611 \eqcommand{ }{frontmatter}
612 \eqcommand{ }{futurelet}
613 \eqcommand{@ }{@gobble}
614 \eqcommand{@ }{@gobbletwo}
615 \eqcommand{@ }{@gobblefour}
616 \eqcommand{@ }{@gtempa}
617 \eqcommand{@ }{@gtempb}
618 \eqcommand{ }{gdef}
619 \eqcommand{ }{GenericInfo}
620 \eqcommand{ }{GenericWarning}
621 \eqcommand{ }{GenericError}
622 \eqcommand{ }{global}
623 \eqcommand{ }{globaldefs}
624 \eqcommand{ }{glossary}
625 \eqcommand{ }{glossaryentry}
626 \eqcommand{ }{goodbreak}
627 \eqcommand{ }{graphpaper}
628 \eqcommand{ }{guillemotleft}
629 \eqcommand{ }{guillemotright}
630 \eqcommand{ }{guilsinglleft}
631 \eqcommand{ }{guilsinglright}
632 \eqcommand{ }{halign}
633 \eqcommand{ }{hang}
634 \eqcommand{ }{hangafter}
635 \eqcommand{ }{hangindent}
636 \eqcommand{ }{hbadness}
637 \eqcommand{ }{hbox}
638 \eqcommand{ }{headheight}
639 \eqcommand{ }{headsep}
640 \eqcommand{ }{headtoname}
641 \eqcommand{ }{heartsuit}
642 \eqcommand{ }{height}
643 \eqcommand{ }{hfil}
644 \eqcommand{ }{hfill}
645 \eqcommand{ }{hfilneg}
646 \eqcommand{ }{hfuzz}
647 \eqcommand{ }{hideskip}
648 \eqcommand{ }{hidewidth}
649 \bidi@csletcs{ }{hline}% this is an exception
650 \eqcommand{ }{hoffset}
651 \eqcommand{ }{holdinginserts}
652 \eqcommand{ }{hrboxsep}
653 \eqcommand{ }{hrule}
654 \eqcommand{ }{hrulefill}
655 \eqcommand{ }{hsize}
656 \eqcommand{ }{hskip}
657 \eqcommand{ }{hspace}

```



```

658 \eqcommand{ }{hss}
659 \eqcommand{ }{ht}
660 \eqcommand{ }{huge}
661 \eqcommand{ }{Huge}
662 \eqcommand{ }{hyperlink}
663 \eqcommand{ }{hypersetup}
664 \eqcommand{ }{hypertarget}
665 \eqcommand{ }{hyphenation}
666 \eqcommand{ }{hyphenchar}
667 \eqcommand{ }{hyphenpenalty}
668 \eqcommand{@ }{@ifclassloaded}
669 \eqcommand{@ }{@ifdefinable}
670 \eqcommand{@ }{@ifnextchar}
671 \eqcommand{@ }{@ifpackageloaded}
672 \eqcommand{@ }{@ifstar}
673 \eqcommand{@ }{@ifundefined}
674 \eqcommand{ }{if}
675 \eqcommand{ @ }{if@tempswa}
676 \eqcommand{ }{ifcase}
677 \eqcommand{ }{ifcat}
678 \eqcommand{ }{ifdefined}
679 \eqcommand{ }{ifdim}
680 \eqcommand{ }{ifeof}
681 \eqcommand{ }{iff}
682 \eqcommand{ }{iffalse}
683 \eqcommand{ }{IfFileExists}
684 \eqcommand{ }{ifhbox}
685 \eqcommand{ }{ifhmode}
686 \eqcommand{ }{ifinner}
687 \eqcommand{ }{ifmmode}
688 \eqcommand{ }{ifnum}
689 \eqcommand{ }{ifodd}
690 \eqcommand{ }{ifthenelse}
691 \eqcommand{ }{iftrue}
692 \eqcommand{ }{ifvbox}
693 \eqcommand{ }{ifvmode}
694 \eqcommand{ }{ifvoid}
695 \eqcommand{ }{ifx}
696 \eqcommand{ }{ignorespaces}
697 \eqcommand{ }{immediate}
698 \eqcommand{ }{include}
699 \eqcommand{ }{includegraphics}
700 \eqcommand{ }{includeonly}
701 \eqcommand{ }{indent}
702 \eqcommand{ }{index}
703 \eqcommand{ }{indexentry}
704 \eqcommand{ }{indexname}
705 \eqcommand{ }{indexspace}
706 \eqcommand{ }{input}
707 \eqcommand{ }{InputIfFileExists}

```



```

708 \eqcommand{      }\{inputlineno}
709 \eqcommand{      }\{insert}
710 \eqcommand{      }\{insertpenalties}
711 \eqcommand{      }\{interfootnotelinepenalty}
712 \eqcommand{      }\{interdisplaylinepenalty}
713 \eqcommand{      }\{interlinepenalty}
714 \eqcommand{      }\{intertext}
715 \eqcommand{      }\{intertextsep}
716 \eqcommand{      }\{invisible}
717 \eqcommand{      }\{itdefault}
718 \eqcommand{      }\{itshape}
719 \eqcommand{      }\{item}
720 \eqcommand{      }\{itemindent}
721 \eqcommand{      }\{itemsep}
722 \eqcommand{      }\{iterate}
723 \eqcommand{      }\{itshape}
724 \eqcommand{      }\{jobname}
725 \eqcommand{      }\{jot}
726 \eqcommand{      }\{kern}
727 \eqcommand{      }\{kill}
728 \eqcommand{      }\{label}
729 \eqcommand{      }\{labelenumi}
730 \eqcommand{      }\{labelenumii}
731 \eqcommand{      }\{labelenumiii}
732 \eqcommand{      }\{labelenumiv}
733 \eqcommand{      }\{labelitemi}
734 \eqcommand{      }\{labelitemii}
735 \eqcommand{      }\{labelitemiii}
736 \eqcommand{      }\{labelitemiv}
737 \eqcommand{      }\{labelsep}
738 \eqcommand{      }\{labelwidth}
739 \eqcommand{      }\{language}
740 \eqcommand{      }\{large}
741 \eqcommand{      }\{Large}
742 \eqcommand{      }\{LARGE}
743 \eqcommand{      }\{lastbox}
744 \eqcommand{      }\{lastkern}
745 \eqcommand{      }\{lastpenalty}
746 \eqcommand{      }\{lastskip}
747 \eqcommand{      }\{LaTeX}
748 \eqcommand{      }\{LaTeXe}
749 \eqcommand{      }\{lccode}
750 \eqcommand{      }\{ldots}
751 \eqcommand{      }\{leaders}
752 \eqcommand{      }\{leavevmode}
753 \eqcommand{      }\{left}
754 \eqcommand{      }\{leftmargin}
755 \eqcommand{      }\{leftmargini}
756 \eqcommand{      }\{leftmarginii}
757 \eqcommand{      }\{leftmarginiii}

```





```

758 \eqcommand{      }{\leftmarginiv}
759 \eqcommand{      }{\leftmarginv}
760 \eqcommand{      }{\leftmarginvi}
761 \eqcommand{      }{\leftmark}
762 \eqcommand{      }{\leftpageskip}
763 \eqcommand{      }{\leftskip}
764 \eqcommand{ }{\let}
765 \eqcommand{ }{\line}
766 \eqcommand{ }{\linebreak}
767 \eqcommand{ }{\linepenalty}
768 \eqcommand{ }{\lineskip}
769 \eqcommand{ }{\lineskiplimit}
770 \eqcommand{ }{\linespread}
771 \eqcommand{ }{\linethickness}
772 \eqcommand{ }{\linewidth}
773 \eqcommand{ }{\listfigurename}
774 \eqcommand{ }{\listfiles}
775 \eqcommand{ }{\listoffigures}
776 \eqcommand{ }{\listoftables}
777 \eqcommand{ }{\listparindent}
778 \eqcommand{ }{\listtablename}
779 \eqcommand{ }{\LoadClass}
780 \eqcommand{ }{\LoadClassWithOptions}
781 \eqcommand{ }{\location}
782 \eqcommand{ }{\long}
783 \eqcommand{ }{\looseness}
784 \eqcommand{ }{\lower}
785 \eqcommand{@ }{@makeother}
786 \eqcommand{@ }{@m}
787 \eqcommand{ @ }{@M}
788 \eqcommand{ @ }{@Mi}
789 \eqcommand{ @ }{@Mii}
790 \eqcommand{ @ }{@Miii}
791 \eqcommand{ @ }{@Miv}
792 \eqcommand{ @ }{@MM}
793 \eqcommand{ @ }{@m@ne}
794 \eqcommand{ }{\mag}
795 \eqcommand{ }{\magstep}
796 \eqcommand{ }{\magstephalf}
797 \eqcommand{ }{\mainmatter}
798 \eqcommand{ }{\makeatletter}
799 \eqcommand{ }{\makeatother}
800 \eqcommand{ }{\makebox}
801 \eqcommand{ }{\makeglossary}
802 \eqcommand{ }{\makeindex}
803 \eqcommand{ }{\makelabel}
804 \eqcommand{ }{\makelabels}
805 \eqcommand{ }{\MakeLowercase}
806 \eqcommand{ }{\maketitle}
807 \eqcommand{ }{\MakeUppercase}

```



```

808 \eqcommand{ }{marginpar}
809 \eqcommand{ }{marginparpush}
810 \eqcommand{ }{marginparsep}
811 \eqcommand{ }{marginparwidth}
812 \eqcommand{ }{mark}
813 \eqcommand{ }{markboth}
814 \eqcommand{ }{markright}
815 \eqcommand{ }{mathaccent}
816 \eqcommand{ }{mathchar}
817 \eqcommand{ }{mathchardef}
818 \eqcommand{ }{mathcode}
819 \eqcommand{ }{mathrm}
820 \eqcommand{ }{maxdeadcycles}
821 \eqcommand{ }{maxdepth}
822 \eqcommand{ }{maxdimen}
823 \eqcommand{ }{mbox}
824 \eqcommand{ }{mdseries}
825 \eqcommand{ }{meaning}
826 \eqcommand{ }{mediumseries}
827 \eqcommand{ }{medmuskip}
828 \eqcommand{ }{medskip}
829 \eqcommand{ }{medskipamount}
830 \eqcommand{ }{medspace}
831 \eqcommand{ }{message}
832 \eqcommand{ }{MessageBreak}
833 \eqcommand{ }{minrowclearance}
834 \eqcommand{ }{mkern}
835 \eqcommand{ }{month}
836 \eqcommand{ }{moveleft}
837 \eqcommand{ }{moveright}
838 \eqcommand{ }{mskip}
839 \eqcommand{ @ }{m@th}
840 \eqcommand{ }{multicolumn}
841 \eqcommand{ }{multiply}
842 \eqcommand{ }{multispan}
843 \eqcommand{ }{muskip}
844 \eqcommand{ }{muskipdef}
845 \eqcommand{@ }{@namedef}
846 \eqcommand{@ }{@nameuse}
847 \eqcommand{ @ }{@ne}
848 \eqcommand{ }{name}
849 \eqcommand{ }{natural}
850 \eqcommand{ }{nearrow}
851 \eqcommand{ }{narrower}
852 \eqcommand{ }{NeedsTeXFormat}
853 \eqcommand{ }{neg}
854 \eqcommand{ }{negmedspace}
855 \eqcommand{ }{negthickspace}
856 \eqcommand{ }{negthinspace}
857 \eqcommand{ }{newboolean}

```



```

858 \eqcommand{    }{newbox}
859 \eqcommand{    }{newcommand}
860 \eqcommand{    }{newcount}
861 \eqcommand{    }{newcounter}
862 \eqcommand{    }{newdimen}
863 \eqcommand{    }{newenvironment}
864 \eqcommand{    }{newfam}
865 \eqcommand{    }{newfont}
866 \eqcommand{    }{newhelp}
867 \eqcommand{    }{newinsert}
868 \eqcommand{    }{newlabel}
869 \eqcommand{    }{newlength}
870 \eqcommand{    }{newline}
871 \eqcommand{    }{newlinechar}
872 \eqcommand{    }{newmuskip}
873 \eqcommand{    }{newpage}
874 \eqcommand{    }{newread}
875 \eqcommand{    }{newsavebox}
876 \eqcommand{    }{newskip}
877 \eqcommand{    }{newtheorem}
878 \eqcommand{    }{newtoks}
879 \eqcommand{    }{newwrite}
880 \eqcommand{    }{noalign}
881 \eqcommand{    }{nobreak}
882 \eqcommand{    }{nobreakspace}
883 \eqcommand{    }{nocite}
884 \eqcommand{    }{noexpand}
885 \eqcommand{    }{nofiles}
886 \eqcommand{    }{noindent}
887 \eqcommand{    }{nointerlineskip}
888 \eqcommand{    }{nolimits}
889 \eqcommand{    }{nolinebreak}
890 \eqcommand{    }{nonstopmode}
891 \eqcommand{    }{nonfrenchspacing}
892 \eqcommand{    }{nonumber}
893 \eqcommand{    }{nopagebreak}
894 \eqcommand{    }{normalbaselines}
895 \eqcommand{    }{normalbaselineskip}
896 \eqcommand{    }{normalcolor}
897 \eqcommand{    }{normalfont}
898 \eqcommand{    }{normallineskip}
899 \eqcommand{    }{normallineskiplimit}
900 \eqcommand{    }{normalmarginpar}
901 \eqcommand{    }{normalsize}
902 \eqcommand{    }{notag}
903 \eqcommand{    }{null}
904 \eqcommand{    }{nullfont}
905 \eqcommand{    }{number}
906 \eqcommand{    }{numberline}
907 \eqcommand{    }{numberwithin}

```



```

908 \eqcommand{      }{@evenfoot}
909 \eqcommand{      }{@evenhead}
910 \eqcommand{      }{@oddfoot}
911 \eqcommand{      }{@oddhead}
912 \eqcommand{      }{@outeqntrue}
913 \eqcommand{      }{@outeqnfalse}
914 \eqcommand{      }{obeylines}
915 \eqcommand{      }{obeyspaces}
916 \eqcommand{      }{oddsidemargin}
917 \eqcommand{      }{offinterlineskip}
918 \eqcommand{ }{omit}
919 \eqcommand{@      }{@onlypreamble}
920 \eqcommand{      }{onecolumn}
921 \eqcommand{      }{onlynotes}
922 \eqcommand{      }{onlyslides}
923 \eqcommand{      }{openin}
924 \eqcommand{      }{openout}
925 \eqcommand{      }{OptionNotUsed}
926 \eqcommand{ }{or}
927 \eqcommand{      }{outer}
928 \eqcommand{      }{output}
929 \eqcommand{      }{outputpenalty}
930 \eqcommand{      }{overfullrule}
931 \eqcommand{@      }{@preamblecmds}
932 \eqcommand{@ }{p@}
933 \eqcommand{      }{PackageError}
934 \eqcommand{      }{PackageInfo}
935 \eqcommand{      }{PackageWarning}
936 \eqcommand{      }{PackageWarningNoLine}
937 \eqcommand{      }{pagebreak}
938 \eqcommand{      }{pagecolor}
939 \eqcommand{      }{pagedepth}
940 \eqcommand{      }{pagefilllstretch}
941 \eqcommand{      }{pagefillstretch}
942 \eqcommand{      }{pagefilstretch}
943 \eqcommand{      }{pagegoal}
944 \eqcommand{      }{pagename}
945 \eqcommand{      }{pagenumbering}
946 \eqcommand{      }{pageref}
947 \eqcommand{      }{pagerulewidth}
948 \eqcommand{      }{pageshrink}
949 \eqcommand{      }{pagestretch}
950 \eqcommand{      }{pagestyle}
951 \eqcommand{      }{pagetotal}
952 \eqcommand{      }{paperheight}
953 \eqcommand{      }{paperwidth}
954 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
955 \eqcommand{      }{paragraph}
956 \eqcommand{      }{parallel}
957 \eqcommand{      }{parbox}

```



```

958 \eqcommand{      }{parfillskip}
959 \eqcommand{      }{parindent}
960 \eqcommand{      }{parsep}
961 \eqcommand{      }{parshape}
962 \eqcommand{      }{parskip}
963 \eqcommand{ }{part}
964 \eqcommand{      }{partname}
965 \eqcommand{      }{partopsep}
966 \eqcommand{      }{PassOptionToClass}
967 \eqcommand{      }{PassOptionToPackage}
968 \eqcommand{ }{path}
969 \eqcommand{      }{patterns}
970 \eqcommand{ }{pausing}
971 \eqcommand{      }{penalty}
972 \eqcommand{ }{phantom}
973 \eqcommand{      }{poptabs}
974 \eqcommand{      }{postdisplaypenalty}
975 \eqcommand{      }{predisplaydirection}
976 \eqcommand{      }{predisdisplaypenalty}
977 \eqcommand{      }{predisplaysize}
978 \eqcommand{      }{pretolerance}
979 \eqcommand{      }{prevdepth}
980 \eqcommand{      }{prevgraf}
981 \eqcommand{      }{printindex}
982 \eqcommand{      }{ProcessOptions}
983 \eqcommand{ }{protect}
984 \eqcommand{      }{providecommand}
985 \eqcommand{      }{ProvidesClass}
986 \eqcommand{      }{ProvidesFile}
987 \eqcommand{      }{ProvidesPackage}
988 \eqcommand{      }{pushtabs}
989 \eqcommand{ }{quad}
990 \eqcommand{      }{qqquad}
991 \eqcommand{@      }{@outputpagerestore}
992 \eqcommand{      }{radical}
993 \eqcommand{      }{raggedbottom}
994 \eqcommand{      }{raggedleft}
995 \eqcommand{      }{raggedright}
996 \eqcommand{      }{raise}
997 \eqcommand{      }{raisebox}
998 \eqcommand{      }{raisetag}
999 \eqcommand{      }{rangle}
1000 \eqcommand{ }{rceil}
1001 \eqcommand{      }{read}
1002 \eqcommand{ }{ref}
1003 \eqcommand{      }{reflectbox}
1004 \eqcommand{      }{refname}
1005 \eqcommand{      }{refstepcounter}
1006 \eqcommand{ }{relax}
1007 \eqcommand{      }{removelastskip}

```



```

1008 \eqcommand{      }\{renewcommand\}
1009 \eqcommand{      }\{renewenvironment\}
1010 \eqcommand{      }\{RequirePackage\}
1011 \eqcommand{      }\{RequirePackageWithOptions\}
1012 \eqcommand{      }\{resizebox\}
1013 \eqcommand{      }\{reversemarginpar\}
1014 \eqcommand{      }\{rffloor\}
1015 \eqcommand{      }\{right\}
1016 \eqcommand{      }\{rightmargin\}
1017 \eqcommand{      }\{rightmark\}
1018 \eqcommand{      }\{rightpageskip\}
1019 \eqcommand{      }\{rightskip\}
1020 \eqcommand{      }\{rmdefault\}
1021 \eqcommand{      }\{rmfamily\}
1022 \eqcommand{      }\{Roman\}
1023 \eqcommand{      }\{roman\}
1024 \eqcommand{      }\{romannumeral\}
1025 \eqcommand{      }\{rotatebox\}
1026 \eqcommand{      }\{rowcolor\}
1027 \eqcommand{      }\{rule\}
1028 \eqcommand{@      }\{@secondoftwo\}
1029 \eqcommand{@      }\{@spaces\}
1030 \eqcommand{      }\{samepage\}
1031 \eqcommand{      }\{savebox\}
1032 \eqcommand{      }\{sbox\}
1033 \eqcommand{      }\{scalebox\}
1034 \eqcommand{      }\{scdefault\}
1035 \eqcommand{      }\{scshape\}
1036 \eqcommand{      }\{setkeys\}
1037 \eqcommand{      }\{scriptfont\}
1038 \eqcommand{      }\{scriptscriptfont\}
1039 \eqcommand{      }\{scriptscriptstyle\}
1040 \eqcommand{      }\{scriptsize\}
1041 \eqcommand{      }\{scripstyle\}
1042 \eqcommand{      }\{scrollmode\}
1043 \eqcommand{      }\{section\}
1044 \eqcommand{      }\{secdef\}
1045 \eqcommand{      }\{see\}
1046 \eqcommand{      }\{seealso\}
1047 \eqcommand{      }\{seename\}
1048 \eqcommand{      }\{selectfont\}
1049 \eqcommand{      }\{setboolean\}
1050 \eqcommand{      }\{setbox\}
1051 \eqcommand{      }\{setcounter\}
1052 \eqcommand{      }\{setlength\}
1053 \eqcommand{      }\{setminus\}
1054 \eqcommand{      }\{SetSymbolFont\}
1055 \eqcommand{      }\{settodepth\}
1056 \eqcommand{      }\{settoheight\}
1057 \eqcommand{      }\{settowidth\}

```



```

1058 \eqcommand{      }\{sfcode}
1059 \eqcommand{      }\{sfdefault}
1060 \eqcommand{      }\{sffamily}
1061 \eqcommand{      }\{shadowbox}
1062 \eqcommand{ }\{sharp}
1063 \eqcommand{ }\{shipout}
1064 \eqcommand{ }\{shortstack}
1065 \eqcommand{ }\{show}
1066 \eqcommand{ }\{showbox}
1067 \eqcommand{ }\{showboxbreadth}
1068 \eqcommand{ }\{showboxdepth}
1069 \eqcommand{ }\{showlists}
1070 \eqcommand{ }\{showthe}
1071 \eqcommand{ }\{simplefontmode}
1072 \eqcommand{ @}\{sirt@@n}
1073 \eqcommand{ }\{skewchar}
1074 \eqcommand{ }\{skip}
1075 \eqcommand{ @}\{skip@}
1076 \eqcommand{ }\{skipdef}
1077 \eqcommand{ }\{sl}
1078 \eqcommand{ }\{sldefault}
1079 \eqcommand{ }\{slshape}
1080 \eqcommand{ }\{sloppy}
1081 \eqcommand{ }\{slshape}
1082 \eqcommand{ }\{small}
1083 \eqcommand{ }\{smallskip}
1084 \eqcommand{ }\{smallskipamount}
1085 \eqcommand{ }\{smash}
1086 \eqcommand{ }\{smile}
1087 \eqcommand{ }\{snglftlocatcode}
1088 \eqcommand{ }\{space}
1089 \eqcommand{ }\{spacefactor}
1090 \eqcommand{ }\{spaceskip}
1091 \eqcommand{ }\{spadesuit}
1092 \eqcommand{ }\{span}
1093 \eqcommand{ }\{special}
1094 \eqcommand{ }\{splitmaxdepth}
1095 \eqcommand{ }\{splittopskip}
1096 \eqcommand{ }\{star}
1097 \eqcommand{ }\{stepcounter}
1098 \eqcommand{ }\{stretch}
1099 \eqcommand{ }\{string}
1100 \eqcommand{ }\{strut}
1101 \eqcommand{ }\{strutbox}
1102 \eqcommand{ }\{subitem}
1103 \eqcommand{ }\{subparagraph}
1104 \eqcommand{ }\{subsection}
1105 \eqcommand{ }\{substack}
1106 \eqcommand{ }\{subsubitem}
1107 \eqcommand{ }\{subsubsection}

```



```

1108 \eqcommand{      }\{subset\}
1109 \eqcommand{      }\{subseteq\}
1110 \eqcommand{      }\{supereject\}
1111 \eqcommand{      }\{suppressfloats\}
1112 \eqcommand{@      }\{@tempa\}
1113 \eqcommand{@      }\{@tempb\}
1114 \eqcommand{@      }\{@tempc\}
1115 \eqcommand{@      }\{@tempd\}
1116 \eqcommand{@      }\{@tempe\}
1117 \eqcommand{@      }\{@tempboxa\}
1118 \eqcommand{@      }\{@tempcnta\}
1119 \eqcommand{@      }\{@tempcntb\}
1120 \eqcommand{@      }\{@tempdima\}
1121 \eqcommand{@      }\{@tempdimb\}
1122 \eqcommand{@      }\{@tempdimc\}
1123 \eqcommand{@      }\{@tempskipa\}
1124 \eqcommand{@      }\{@tempskipb\}
1125 \eqcommand{@      }\{@tempswafalse\}
1126 \eqcommand{@      }\{@tempswatruel\}
1127 \eqcommand{@      }\{@temptokena\}
1128 \eqcommand{      }\{@thefnmark\}
1129 \eqcommand{@      }\{@thirdofthree\}
1130 \eqcommand{      }\{tabbingsep\}
1131 \eqcommand{      }\{tabcolsep\}
1132 \eqcommand{      }\{tableofcontents\}
1133 \eqcommand{      }\{tablename\}
1134 \eqcommand{      }\{tabskip\}
1135 \eqcommand{      }\{tabularnewline\}
1136 \eqcommand{      }\{tag\}
1137 \eqcommand{      }\{telephone\}
1138 \eqcommand{      }\{TeX\}
1139 \eqcommand{      }\{text\}
1140 \eqcommand{      }\{textbullet\}
1141 \eqcommand{      }\{textfont\}
1142 \eqcommand{      }\{textemdash\}
1143 \eqcommand{      }\{textendash\}
1144 \eqcommand{      }\{textexclamdown\}
1145 \eqcommand{      }\{textperiodcentered\}
1146 \eqcommand{      }\{textquestiondown\}
1147 \eqcommand{      }\{textquotedblleft\}
1148 \eqcommand{      }\{textquotedblright\}
1149 \eqcommand{      }\{textquoteleft\}
1150 \eqcommand{      }\{textquoteright\}
1151 \eqcommand{      }\{textvisiblespace\}
1152 \eqcommand{      }\{textbackslash\}
1153 \eqcommand{      }\{textbar\}
1154 \eqcommand{      }\{textgreater\}
1155 \eqcommand{      }\{textless\}
1156 \eqcommand{      }\{textbf\}
1157 \eqcommand{      }\{textcircled\}

```





```

1158 \eqcommand{ }{textcolor}
1159 \eqcommand{ }{textcompwordmark}
1160 \eqcommand{ }{textfloatsep}
1161 \eqcommand{ }{textfraction}
1162 \eqcommand{ }{textheight}
1163 \eqcommand{ }{textindent}
1164 \eqcommand{ }{textit}
1165 \eqcommand{ }{textmd}
1166 \eqcommand{ }{textnormal}
1167 \eqcommand{ }{textregistered}
1168 \eqcommand{ }{textrm}
1169 \eqcommand{ }{textsc}
1170 \eqcommand{ }{textsf}
1171 \eqcommand{ }{textsl}
1172 \eqcommand{ }{textstyle}
1173 \eqcommand{ }{textsuperscript}
1174 \eqcommand{ }{texttrademark}
1175 \eqcommand{ }{texttt}
1176 \eqcommand{ }{textup}
1177 \eqcommand{ }{textwidth}
1178 \eqcommand{ }{thanks}
1179 \eqcommand{ }{the}
1180 \eqcommand{ }{thempfn}
1181 \eqcommand{ }{thicklines}
1182 \eqcommand{ }{thickmuskip}
1183 \eqcommand{ }{thinmuskip}
1184 \eqcommand{ }{thickspace}
1185 \eqcommand{ }{thinline}
1186 \eqcommand{ }{thinspace}
1187 \eqcommand{ }{thisfancy}
1188 \eqcommand{ }{thispagestyle}
1189 \eqcommand{ }{thr}
1190 \eqcommand{ }{tilde}
1191 \eqcommand{ }{tiny}
1192 \eqcommand{ }{time}
1193 \eqcommand{ }{times}
1194 \eqcommand{ }{title}
1195 \eqcommand{ }{to}
1196 \eqcommand{ }{today}
1197 \eqcommand{ }{toks}
1198 \eqcommand{ }{toksdef}
1199 \eqcommand{ }{tolerance}
1200 \eqcommand{ }{top}
1201 \eqcommand{ }{topfigrule}
1202 \eqcommand{ }{topfraction}
1203 \eqcommand{ }{topmargin}
1204 \eqcommand{ }{topmark}
1205 \eqcommand{ }{toppageskip}
1206 \eqcommand{ }{topsep}
1207 \eqcommand{ }{topskip}

```



```

1208 \eqcommand{      }{totalheight}
1209 \eqcommand{      }{tracingall}
1210 \eqcommand{      }{tracingcommands}
1211 \eqcommand{      }{tracinglostchars}
1212 \eqcommand{      }{tracingmacros}
1213 \eqcommand{      }{tracingonline}
1214 \eqcommand{      }{tracingoutput}
1215 \eqcommand{      }{tracingpages}
1216 \eqcommand{      }{tracingparagraphs}
1217 \eqcommand{      }{tracingrestores}
1218 \eqcommand{      }{tracingstats}
1219 \eqcommand{ }{triangle}
1220 \eqcommand{ }{ttdefault}
1221 \eqcommand{ }{ttfamily}
1222 \eqcommand{ @}{tw@}
1223 \eqcommand{ }{twocolumn}
1224 \eqcommand{ }{typein}
1225 \eqcommand{ }{typeout}
1226 \eqcommand{ }{uccode}
1227 \eqcommand{ }{uchyph}
1228 \eqcommand{ }{underline}
1229 \eqcommand{ }{unhbox}
1230 \eqcommand{ }{unhcopy}
1231 \eqcommand{ }{unitlength}
1232 \eqcommand{ }{unkern}
1233 \eqcommand{ }{unpenalty}
1234 \eqcommand{ }{unskip}
1235 \eqcommand{ }{unvbox}
1236 \eqcommand{ }{unvcopy}
1237 \eqcommand{ }{updefault}
1238 \eqcommand{ }{upshape}
1239 \eqcommand{ }{usebox}
1240 \eqcommand{ }{usecounter}
1241 \eqcommand{ }{usefont}
1242 \eqcommand{ }{usepackage}
1243 \eqcommand{ @}{@vobeyspaces}
1244 \eqcommand{ @}{@void}
1245 \eqcommand{ }{vadjust}
1246 \eqcommand{ }{valign}
1247 \eqcommand{ }{value}
1248 \eqcommand{ }{vbadness}
1249 \eqcommand{ }{vbox}
1250 \eqcommand{ }{vcenter}
1251 \eqcommand{ }{verb}
1252 \eqcommand{ }{vfil}
1253 \eqcommand{ }{vfill}
1254 \eqcommand{ }{vfilneg}
1255 \eqcommand{ }{vfuzz}
1256 \eqcommand{ }{visible}
1257 \eqcommand{ }{vline}

```



```

1258 \eqcommand{ }{voffset}
1259 \eqcommand{ @ }{voidb@x}
1260 \eqcommand{ }{vpageref}
1261 \eqcommand{ }{vrboxsep}
1262 \eqcommand{ }{vref}
1263 \eqcommand{ }{vrule}
1264 \eqcommand{ }{vsize}
1265 \eqcommand{ }{vskip}
1266 \eqcommand{ }{vspace}
1267 \eqcommand{ }{vsplit}
1268 \eqcommand{ }{vss}
1269 \eqcommand{ }{vtop}
1270 \eqcommand{ }{wd}
1271 \eqcommand{ }{whiledo}
1272 \eqcommand{ }{widehat}
1273 \eqcommand{ }{widetilde}
1274 \eqcommand{ }{widowpenalty}
1275 \eqcommand{ }{width}
1276 \eqcommand{ }{wlog}
1277 \eqcommand{ }{write}
1278 \eqcommand{@ }{@xobeysp}
1279 \eqcommand{ @ }{@xxxii}
1280 \eqcommand{ }{xdef}
1281 \eqcommand{ }{xleaders}
1282 \eqcommand{ }{xspaceskip}
1283 \eqcommand{ }{year}
1284 \eqcommand{@ }{z@}
1285 \eqcommand{@ }{z@skip}

```

## 7.19 color-localise-xepersian.def

```

1286 color} \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1287 0}{rgb}{ } \0,,0}
1288 1}{rgb}{ } \1,,1}
1289 1}{rgb}{ } \0,,0}
1290 0}{rgb}{ } \1,,0}
1291 0}{rgb}{ } \0,,1}
1292 1}{cmyk}{ } \0,,0,0}
1293 0}{cmyk}{ } \1,,0,0}
1294 0}{cmyk}{ } \0,,1,0}

```

## 7.20 xepersian-localise-commands-xepersian.def

```

1295 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1296 \eqcommand{ }{autofootnoterule}
1297 \eqcommand{ }{AutoMathsDigits}
1298 \eqcommand{ }{DefaultMathsDigits}
1299 \eqcommand{ @ }{keyval@eq@alias@key}
1300 \eqcommand{ }{deflatinfont}
1301 \eqcommand{ }{defpersianfont}
1302 \eqcommand{ }{hboxL}

```



```

1303 \eqcommand{ }{hboxR}
1304 \eqcommand{ }{Latincite}
1305 \eqcommand{ }{latinfont}
1306 \eqcommand{ }{latintoday}
1307 \eqcommand{ }{leftfootnoterule}
1308 \eqcommand{ }{lr}
1309 \eqcommand{ }{LRE}
1310 \eqcommand{ }{LTRdblcol}
1311 \eqcommand{ }{LTRfootnote}
1312 \eqcommand{ }{LTRfootnotetext}
1313 \eqcommand{ }{LTRthanks}
1314 \eqcommand{ }{persianday}
1315 \eqcommand{ }{persianfont}
1316 \eqcommand{ }{PersianMathsDigits}
1317 \eqcommand{ }{persianmonth}
1318 \eqcommand{ }{persianyear}
1319 \eqcommand{ }{plq}
1320 \eqcommand{ }{prq}
1321 \eqcommand{ }{rightfootnoterule}
1322 \eqcommand{ }{rl}
1323 \eqcommand{ }{RLE}
1324 \eqcommand{ }{RTLdblcol}
1325 \eqcommand{ }{RTLfootnote}
1326 \eqcommand{ }{RTLfootnotetext}
1327 \eqcommand{ }{RTLthanks}
1328 \eqcommand{@ }{@SepMark}
1329 \eqcommand{ }{SepMark}
1330 \eqcommand{ }{setdefaultbibitems}
1331 \eqcommand{ }{setdefaultmarginpar}
1332 \eqcommand{ }{setdigitfont}
1333 \eqcommand{ }{setfootnoteLR}
1334 \eqcommand{ }{setfootnoteRL}
1335 \eqcommand{ }{setlatintextfont}
1336 \eqcommand{ }{setLTR}
1337 \eqcommand{ }{setLTRbibitems}
1338 \eqcommand{ }{setLTRmarginpar}
1339 \eqcommand{ }{setRTL}
1340 \eqcommand{ }{setRTLbibitems}
1341 \eqcommand{ }{setRTLmarginpar}
1342 \eqcommand{ }{settextfont}
1343 \eqcommand{ }{textwidthfootnoterule}
1344 \eqcommand{ }{twocolumnstableofcontents}
1345 \eqcommand{ }{unsetfootnoteRL}
1346 \eqcommand{ }{unsetLTR}
1347 \eqcommand{ }{unsetRTL}
1348 \eqcommand{ }{vboxL}
1349 \eqcommand{ }{vboxR}
1350 \eqcommand{ }{XeLaTeX}
1351 \eqcommand{ }{XePersian}
1352 \eqcommand{ }{xepersianversion}

```



```

1353 \eqcommand{                }{xepersiandate}
1354 \eqcommand{    }{XeTeX}

```

```

1355 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1356 \def\@enloop@{%
1357   \ifx entemp@\@def\@tempa{\@enLabel\harfi } \else
1358   \ifx entemp@\@def\@tempa{\@enLabel\adadi } \else
1359   \ifx entemp@\@def\@tempa{\@enLabel\tartibi } \else
1360   \ifx A@entemp \@def\@tempa{\@enLabel\Alph } \else
1361   \ifx a@entemp \@def\@tempa{\@enLabel\alph } \else
1362   \ifx i@entemp \@def\@tempa{\@enLabel\roman } \else
1363   \ifx I@entemp \@def\@tempa{\@enLabel\Roman } \else
1364   \ifx l@entemp \@def\@tempa{\@enLabel\arabic} \else
1365   \ifx \@sptoken@entemp \let\@tempa\@enSpace \else
1366   \ifx \bgroup@entemp \let\@tempa\@enGroup \else
1367   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1368   \let\@tempa\@enOther
1369   \@enhook
1370   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1371   \@tempa}

```

```

1372 \ProvidesFile{fontspec-xetex-xepersian.def}[2014/07/10 v0.1 fixes for fontspec-xetex package]
1373 \ExplSyntaxOn
1374 \DeclareDocumentCommand \aliasfontfeature {mm}
1375 {
1376   \keys_if_exist:nnTF {fontspec} {#1}
1377   {
1378     \keys_define:nn {fontspec}
1379     { #2 .code:n = { \keys_set:nn {fontspec} { #1 = {##1} } } }
1380   }
1381   {
1382     \keys_if_exist:nnTF {fontspec-renderer} {#1}
1383     {
1384       \keys_define:nn {fontspec-renderer}
1385       { #2 .code:n = { \keys_set:nn {fontspec-renderer} { #1 = {##1} } } }
1386     }
1387     {
1388       \keys_if_exist:nnTF {fontspec-preparse} {#1}
1389       {
1390         \keys_define:nn {fontspec-preparse}
1391         { #2 .code:n = { \keys_set:nn {fontspec-preparse} { #1 = {##1} } } }
1392       }
1393       {
1394         \keys_if_exist:nnTF {fontspec-preparse-external} {#1}
1395         {
1396           \keys_define:nn {fontspec-preparse-external}
1397           {

```



```

1398         #2 .code:n =
1399         { \keys_set:nn {fontspec-preparse-external} { #1 = {##1} } }
1400     }
1401 }
1402 {
1403     \_fontspec_warning:nx {rename-feature-not-exist} {#1}
1404 }
1405 }
1406 }
1407 }
1408 }
1409 \ExplSyntaxOff

```

## 7.23 latex-localise-environments-xepersian.def

```

1410 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1411 \eqenvironment{ }{abstract}
1412 \eqenvironment{ }{appendix}
1413 \eqenvironment{ }{array}
1414 \eqenvironment{ }{center}
1415 \eqenvironment{ }{description}
1416 \eqenvironment{ }{displaymath}
1417 \eqenvironment{ }{document}
1418 \eqenvironment{ }{enumerate}
1419 \eqenvironment{ }{figure}
1420 \eqenvironment{ *}{figure*}
1421 \eqenvironment{ }{filecontents}
1422 \eqenvironment{ *}{filecontents*}
1423 \eqenvironment{ }{flushleft}
1424 \eqenvironment{ }{flushright}
1425 \eqenvironment{ }{itemize}
1426 \eqenvironment{ }{letter}
1427 \eqenvironment{ }{list}
1428 \eqenvironment{ }{longtable}
1429 \eqenvironment{ }{lrbox}
1430 \eqenvironment{ }{math}
1431 \eqenvironment{ }{matrix}
1432 \eqenvironment{ }{minipage}
1433 \eqenvironment{ }{multline}
1434 \eqenvironment{ }{note}
1435 \eqenvironment{ }{overlay}
1436 \eqenvironment{ }{picture}
1437 \eqenvironment{ }{quotation}
1438 \eqenvironment{ }{quote}
1439 \eqenvironment{ }{slide}
1440 \eqenvironment{ }{sloppypar}
1441 \eqenvironment{ }{split}
1442 \eqenvironment{ }{subarray}
1443 \eqenvironment{ }{tabbing}
1444 \eqenvironment{ }{table}

```



```

1445 \eqenvironment{ *}{table*}
1446 \eqenvironment{ }{tabular}
1447 \eqenvironment{ *}{tabular*}
1448 \eqenvironment{ }{thebibliography}
1449 \eqenvironment{ }{theindex}
1450 \eqenvironment{ }{titlepage}
1451 \eqenvironment{ }{trivlist}
1452 \eqenvironment{ }{verse}

```

## 7.24 xepersian-localise-environments-xepersian.def

```

1453 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1454 \eqenvironment{ }{latin}
1455 \eqenvironment{ }{LTR}
1456 \eqenvironment{ }{LTRitems}
1457 \eqenvironment{ }{modernpoem}
1458 \eqenvironment{ *}{modernpoem*}
1459 \eqenvironment{ }{persian}
1460 \eqenvironment{ }{RTL}
1461 \eqenvironment{ }{RTLitems}
1462 \eqenvironment{ }{traditionalpoem}
1463 \eqenvironment{ *}{traditionalpoem*}

```

## 7.25 extarticle-xepersian.def

```

1464 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1465 \renewcommand\thepart {\@tartibi\c@part}
1466 \renewcommand\appendix{\par
1467 \setcounter{section}{0}%
1468 \setcounter{subsection}{0}%
1469 \gdef\thesection{\@harfi\c@section}}

```

## 7.26 extbook-xepersian.def

```

1470 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1471 \renewcommand\frontmatter{%
1472 \cleardoublepage
1473 \@mainmatterfalse
1474 \pagenumbering{harfi}}
1475 \renewcommand \thepart {\@tartibi\c@part}
1476 \renewcommand\appendix{\par
1477 \setcounter{chapter}{0}%
1478 \setcounter{section}{0}%
1479 \gdef\@chapapp{\appendixname}%
1480 \gdef\thechapter{\@harfi\c@chapter}
1481 }%end appendix

```

## 7.27 extrafootnotefeatures-xepersian.def

```

1482 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafootnote]
1483 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1484 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1485 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```



## 7.28 extreport-xepersian.def

```
1486 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1487 \renewcommand\thepart      {\@tartibi\c@part}
1488 \renewcommand\appendix{\par
1489   \setcounter{chapter}{0}%
1490   \setcounter{section}{0}%
1491   \gdef\@chapapp{\appendixname}%
1492   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.29 flowfram-xepersian.def

```
1493 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1494 \def\@outputpage{%
1495   \begingroup
1496     \let\protect\noexpand
1497     \@resetactivechars
1498     \global\let\@if@newlist\if@newlist
1499     \global\@newlistfalse\@parboxrestore
1500     \shipout\vbox{\set@typeset@protect
1501       \aftergroup
1502       \endgroup
1503       \aftergroup
1504       \set@typeset@protect
1505       \reset@font\normalsize\normalsfcodes
1506       \let\label\@gobble
1507       \let\index\@gobble
1508       \let\glossary\@gobble
1509       \baselineskip\z@skip
1510       \lineskip\z@skip
1511       \lineskiplimit\z@
1512       \vskip\topmargin\moveright\@themargin
1513       \vbox{%
1514         \vskip\headheight
1515         \vskip\headsep
1516         \box\@outputbox
1517       }}%
1518   \global\let\if@newlist\@if@newlist
1519   \stepcounter{page}%
1520   \setcounter{displayedframe}{0}%
1521   \let\firstmark\botmark}
```

## 7.30 footnote-xepersian.def

```
1522 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1523
1524
1525
1526 \long\def\@footnotetext#1{\insert\footins{%
1527   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1528   \reset@font\footnotesize
1529   \interlinepenalty\interfootnotelinepenalty
```





```

1530 \splittopskip\footnotesep
1531 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1532 \hsize\columnwidth \@parboxrestore
1533 \protected@edef\@currentlabel{%
1534     \csname p@footnote\endcsname\@thefnmark
1535 }%
1536 \color@begingroup
1537     \@makefntext{%
1538         \rule{z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1539     \color@endgroup}}%
1540
1541
1542
1543
1544
1545 \long\def\@RTLfootnotetext#1{\insert\footins{%
1546     \@RTLtrue%
1547     \reset@font\footnotesize
1548     \interlinepenalty\interfootnotelinepenalty
1549     \splittopskip\footnotesep
1550     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1551     \hsize\columnwidth \@parboxrestore
1552     \protected@edef\@currentlabel{%
1553         \csname p@footnote\endcsname\@thefnmark
1554     }%
1555     \color@begingroup
1556         \@makefntext{%
1557             \rule{z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1558         \color@endgroup}}%
1559
1560
1561
1562
1563
1564 \long\def\@LTRfootnotetext#1{\insert\footins{%
1565     \@RTLfalse%
1566     \reset@font\footnotesize
1567     \interlinepenalty\interfootnotelinepenalty
1568     \splittopskip\footnotesep
1569     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1570     \hsize\columnwidth \@parboxrestore
1571     \protected@edef\@currentlabel{%
1572         \csname p@footnote\endcsname\@thefnmark
1573     }%
1574     \color@begingroup
1575         \@makefntext{%
1576             \rule{z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1577         \color@endgroup}}%
1578
1579 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\@bidi@footdir@footnote}%

```



```

1580 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1581 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1582
1583
1584
1585 \long\def\@mpfootnotetext#1{%
1586 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
1587 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1588 \unvbox\@mpfootins
1589 \reset@font\footnotesize
1590 \hsize\columnwidth
1591 \@parboxrestore
1592 \protected@edef\@currentlabel
1593 {\csname p@mpfootnote\endcsname\@thefnmark}%
1594 \color@begingroup
1595 \makefnintext{%
1596 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut
1597 \color@endgroup}}
1598
1599
1600
1601
1602
1603 \long\def\@mpRTLfootnotetext#1{%
1604 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
1605 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1606 \unvbox\@mpfootins
1607 \reset@font\footnotesize
1608 \hsize\columnwidth
1609 \@parboxrestore
1610 \protected@edef\@currentlabel
1611 {\csname p@mpfootnote\endcsname\@thefnmark}%
1612 \color@begingroup
1613 \makefnintext{%
1614 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1615 \color@endgroup}}
1616
1617
1618 \long\def\@mpLTRfootnotetext#1{%
1619 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule
1620 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1621 \unvbox\@mpfootins
1622 \reset@font\footnotesize
1623 \hsize\columnwidth
1624 \@parboxrestore
1625 \protected@edef\@currentlabel
1626 {\csname p@mpfootnote\endcsname\@thefnmark}%
1627 \color@begingroup
1628 \makefnintext{%
1629 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%

```



```
1630 \color@endgroup}}
```

### 7.31 framed-xepersian.def

```
1631 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1632 \renewenvironment{titled-frame}[1]{%
1633 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1634 \TitleBarFrame{\textbf{#1}}}%
1635 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1636 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1637 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1638 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1639 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1640 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1641 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1642 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1643 % could interfere with the width measurement.
1644 {\endMakeFramed}
```

### 7.32 glossaries-xepersian.def

```
1645 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1646 \glsaddprotectedpagefmt{@harfi}
1647 \glsaddprotectedpagefmt{@tartibi}
1648 \glsaddprotectedpagefmt{@adadi}
```

### 7.33 hyperref-xepersian.def

```
1649 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1650 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1651 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1652 \def\itemautorefname{\if@RTL else\ item\fi}%
1653 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1654 \def\tableautorefname{\if@RTL else\ Table\fi}%
1655 \def\partautorefname{\if@RTL else\ Part\fi}%
1656 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1657 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1658 \def\sectionautorefname{\if@RTL else\ section\fi}%
1659 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1660 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1661 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1662 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1663 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1664 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1665 \def\pageautorefname{\if@RTL else\ page\fi}%
1666 \AtBeginDocument{%
1667 \let\HyOrg@appendix\appendix
1668 \def\appendix{%
1669 \ltx@ifundefined{chapter}%
1670 {\gdef\theHsection{\Alph{section}}}%
1671 {\gdef\theHchapter{\Alph{chapter}}}%
1672 \xdef\Hy@chapapp{\Hy@appendixstring}%

```



```

1673 \HyOrg@appendix
1674 }
1675 }
1676 \pdfstringdefDisableCommands{%
1677 \let\lr\@firstofone
1678 \let\rl\@firstofone
1679 \def\XePersian{\XePersian}
1680 }
1681 \ltx@ifundefined{@resets@pp}{%
1682 }{%
1683 \let\HyOrg@resets@pp\@resets@pp
1684 \def\@resets@pp{%
1685 \ltx@ifundefined{chapter}{%
1686 \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1687 }{%
1688 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1689 }%
1690 \xdef\Hy@chapapp{\Hy@appendixstring}%
1691 \HyOrg@resets@pp
1692 }%
1693 }

```

### 7.34 imspc-xepersian.def

```

1694 \ProvidesFile{imspc-xepersian.def}[2013/04/26 v0.3 implementation of imspc class for xepersi
1695 \newenvironment{thebibliography}[1]{%
1696 \@bibtitlestyle
1697 \normalfont\bibliofont\labelsep .5em\relax
1698 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1699 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1700 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1701 \leftmargin\labelwidth \advance\leftmargin\labelsep
1702 \usecounter{enumiv}}%
1703 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1704 \sfcode`\.=\@m
1705 }{%
1706 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1707 \endlist
1708 }
1709 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1710 \columnseprule\z@ \columnsep 35\p@
1711 \@indextitlestyle
1712 \thispagestyle{plain}%
1713 \let\item\@idxitem
1714 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1715 \if@RTL\raggedleft\else\raggedright\fi
1716 \hyphenpenalty\@M
1717 \footnotesize}
1718 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1719 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}

```



```

1720 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1721 \renewcommand \thepart {\@tartibi\c@part}
1722 \def\appendix{\par\c@section\z@ \c@subsection\z@
1723   \let\sectionname\appendixname
1724   \def\thesection{\@harfi\c@section}}
1725 \def\right@footnoterule{%
1726   \hbox to \columnwidth
1727   {\beginR \vbox{\kern-.4\p@
1728     \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1729 \def\left@footnoterule{\kern-.4\p@
1730   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1731 \def\@makefnmark{%
1732   \leavevmode
1733   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1734 }
1735
1736
1737
1738 \long\def\@footnotetext#1{%
1739   \insert\footins{%
1740     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1741     \normalfont\footnotesize
1742     \interlinepenalty\interfootnotelinepenalty
1743     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1744     \floatingpenalty\@MM \hsize\columnwidth
1745     \@parboxrestore \parindent\normalparindent \sloppy
1746     \protected@edef\@currentlabel{%
1747       \csname p@footnote\endcsname\@thefnmark}%
1748     \@makefnmark}%
1749   \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1750
1751
1752
1753
1754
1755 \long\def\@RTLfootnotetext#1{%
1756   \insert\footins{%
1757     \@RTLtrue%
1758     \normalfont\footnotesize
1759     \interlinepenalty\interfootnotelinepenalty
1760     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1761     \floatingpenalty\@MM \hsize\columnwidth
1762     \@parboxrestore \parindent\normalparindent \sloppy
1763     \protected@edef\@currentlabel{%
1764       \csname p@footnote\endcsname\@thefnmark}%
1765     \@makefnmark}%
1766   \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
1767
1768
1769

```



```

1770
1771
1772
1773
1774 \long\def\@LTRfootnotetext#1{%
1775   \insert\footins{%
1776     \@RTLfalse%
1777     \normalfont\footnotesize
1778     \interlinepenalty\interfootnotelinepenalty
1779     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1780     \floatingpenalty\@MM \hsize\columnwidth
1781     \@parboxrestore \parindent\normalparindent \sloppy
1782     \protected@edef\@currentlabel{%
1783       \csname p@footnote\endcsname\@thefnmark}%
1784     \@makefnctxt{%
1785       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}%
1786
1787 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\@bidi@footdir@footnote}%
1788 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1789 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1790
1791 \def\part{\@startsection{part}{0}%
1792   \z@\{ \linespacing\@plus\linespacing\}{.5\linespacing}%
1793   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1794 \def\@tocline#1#2#3#4#5#6#7{\relax
1795   \ifnum #1>\c@tocdepth % then omit
1796   \else
1797     \par \addpenalty\@secpenalty\addvspace{#2}%
1798     \begingroup \hyphenpenalty\@M
1799     \@ifempty{#4}{%
1800       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
1801     }{%
1802       \@tempdima#4\relax
1803     }%
1804     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
1805     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1806     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1807     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1808     \nobreak
1809     \endgroup
1810   \fi}
1811 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1812 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1813 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1814 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1815 \def\maketitle{\par
1816   \@topnum\z@ % this prevents figures from falling at the top of page 1
1817   \@setcopyright
1818   \thispagestyle{firstpage}% this sets first page specifications
1819   \uppercasenonmath\shorttitle

```



```

1820 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1821 \else \andify\shortauthors
1822 \fi
1823 \@maketitle@hook
1824 \begingroup
1825 \@maketitle
1826 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}%
1827 \toks4{\def\\{\ignorespaces}}}% defend against questionable usage
1828 \edef\@tempa{%
1829 \nx\markboth{\the\toks4
1830 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1831 \@tempa
1832 \endgroup
1833 \c@footnote\z@
1834 \cleartopmattertags
1835 }

```

### 7.35 kashida-xepersian.def

```

1836 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian pac
1837 \chardef\xepersian@zwj="200D % zero-width joiner
1838
1839 \chardef\xepersian@D=10 % dual-joiner class
1840 \chardef\xepersian@L=11 % lam
1841 \chardef\xepersian@R=12 % right-joiner
1842 \chardef\xepersian@A=13 % alef
1843 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1844 \def\xepersian@kashida{\xepersian@zwj\nobreak%
1845 \leaders\hrule height \XeTeXglyphheight2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphheight4 \
1846
1847 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1848 \expandafter\dosetclass\charlist,\end}
1849 \def\dosetclass#1,#2\end{%
1850 \def\test{#1}\def\charlist{#2}%
1851 \ifx\test\empty\let\next\finishsetclass
1852 \else \XeTeXcharclass "\test = \theclass
1853 \let\next\dosetclass \fi
1854 \expandafter\next\charlist,,\end}
1855 \def\finishsetclass#1,,\end{}
1856
1857 \setclass \xepersian@A {0622,0623,0625,0627}
1858 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1859 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1860 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1861 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1862 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1863 \setclass \xepersian@L {0644}
1864 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1865
1866 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}

```



```

1867 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1868 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1869 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1870 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1871 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1872 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1873 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1874
1875 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1876 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1877 \KashidaOn

```

### 7.36 listings-xepersian.def

```

1878 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1879 \def\lstlistingname{\ifRTL else\ Listing\fi}
1880 \def\lstlistlistingname{\ifRTL else\ Listings\fi}

```

### 7.37 loadingorder-xepersian.def

```

1881 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last
1882 \bidi@isloaded{algorithmic}
1883 \bidi@isloaded{algorithm}
1884 \bidi@isloaded{backref}
1885 \bidi@isloaded{enumerate}
1886 \bidi@isloaded{tocloft}
1887 \bidi@isloaded{url}
1888 \AtBeginDocument{
1889   \if@bidi@algorithmicloaded@else
1890     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1891   \fi%
1892   \if@bidi@algorithmloaded@else
1893     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1894   \fi%
1895   \if@bidi@backrefloaded@else
1896     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1897   \fi%
1898   \if@bidi@enumerateloaded@else
1899     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1900   \fi%
1901   \if@bidi@tocloftloaded@else
1902     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1903   \fi%
1904   \if@bidi@urlloaded@else
1905     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1906   \fi%
1907 }

```

### 7.38 localise-xepersian.def

```

1908 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1909 \newcommand{\makezwnjletter}{\catcode`\=11\relax}

```





```

1910 \makezwnjletter
1911 \newcommand*\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1912 \newcommand*\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1913 \@ifpackageloaded{keyval}{%
1914 \newcommand*\keyval@eq@alias@key[4][KV]{%
1915   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1916   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1917 }{\@ifpackageloaded{xkeyval}{%
1918 \newcommand*\keyval@eq@alias@key[4][KV]{%
1919   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1920   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1921 }{}}
1922 \input{latex-localise-commands-xepersian.def}
1923 \input{xepersian-localise-commands-xepersian.def}
1924 \input{latex-localise-environments-xepersian.def}
1925 \input{xepersian-localise-environments-xepersian.def}
1926 \input{latex-localise-messages-xepersian.def}
1927 \input{latex-localise-misc-xepersian.def}
1928 \input{packages-localise-xepersian.def}
1929 \aliasfontfeature{ExternalLocation}{ }
1930 \aliasfontfeature{ExternalLocation}{ }
1931 \aliasfontfeature{Renderer}{ }
1932 \aliasfontfeature{BoldFont}{ }
1933 \aliasfontfeature{Language}{ }
1934 \aliasfontfeature{Script}{ }
1935 \aliasfontfeature{UprightFont}{ }
1936 \aliasfontfeature{ItalicFont}{ }
1937 \aliasfontfeature{BoldItalicFont}{ }
1938 \aliasfontfeature{SlantedFont}{ }
1939 \aliasfontfeature{BoldSlantedFont}{ }
1940 \aliasfontfeature{SmallCapsFont}{ }
1941 \aliasfontfeature{UprightFeatures}{ }
1942 \aliasfontfeature{BoldFeatures}{ }
1943 \aliasfontfeature{ItalicFeatures}{ }
1944 \aliasfontfeature{BoldItalicFeatures}{ }
1945 \aliasfontfeature{SlantedFeatures}{ }
1946 \aliasfontfeature{BoldSlantedFeatures}{ }
1947 \aliasfontfeature{SmallCapsFeatures}{ }
1948 \aliasfontfeature{SizeFeatures}{ }
1949 \aliasfontfeature{Scale}{ }
1950 \aliasfontfeature{WordSpace}{ }
1951 \aliasfontfeature{PunctuationSpace}{ }
1952 \aliasfontfeature{FontAdjustment}{ }
1953 \aliasfontfeature{LetterSpace}{ }
1954 \aliasfontfeature{HyphenChar}{ }
1955 \aliasfontfeature{Color}{ }
1956 \aliasfontfeature{Opacity}{ }
1957 \aliasfontfeature{Mapping}{ }
1958 \aliasfontfeature{Weight}{ }
1959 \aliasfontfeature{Width}{ }

```



```

1960 \aliasfontfeature{OpticalSize}{      }
1961 \aliasfontfeature{FakeSlant}{        }
1962 \aliasfontfeature{FakeStretch}{      }
1963 \aliasfontfeature{FakeBold}{         }
1964 \aliasfontfeature{AutoFakeSlant}{    }
1965 \aliasfontfeature{AutoFakeBold}{     }
1966 \aliasfontfeature{Ligatures}{        }
1967 \aliasfontfeature{Alternate}{        }
1968 \aliasfontfeature{Variant}{         }
1969 \aliasfontfeature{Variant}{         }
1970 \aliasfontfeature{CharacterVariant}{  }
1971 \aliasfontfeature{Style}{           }
1972 \aliasfontfeature{Annotation}{       }
1973 \aliasfontfeature{RawFeature}{       }
1974 \aliasfontfeature{CharacterWidth}{   }
1975 \aliasfontfeature{Numbers}{         }
1976 \aliasfontfeature{Contextuals}{      }
1977 \aliasfontfeature{Diacritics}{       }
1978 \aliasfontfeature{Letters}{         }
1979 \aliasfontfeature{Kerning}{          }
1980 \aliasfontfeature{VerticalPosition}{ }
1981 \aliasfontfeature{Fractions}{        }
1982 \aliasfontfeatureoption{Language}{Default}{  }
1983 \aliasfontfeatureoption{Language}{Parsi}{    }
1984 \aliasfontfeatureoption{Script}{Parsi}{      }
1985 \aliasfontfeatureoption{Script}{Latin}{      }
1986 \aliasfontfeatureoption{Style}{MathScript}{ }
1987 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

### 7.39 memoir-xepersian.def

```

1988 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1989 \renewcommand{\@memfront}{%
1990   \@smemfront\pagenumbering{harfi}}
1991 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1992 \renewcommand*{\thebook}{\@tartibi\c@book}
1993 \renewcommand*{\thepart}{\@tartibi\c@part}
1994 \renewcommand{\appendix}{\par
1995   \setcounter{chapter}{0}%
1996   \setcounter{section}{0}%
1997   \gdef\@chapapp{\appendixname}%
1998   \gdef\thechapter{\@harfi\c@chapter}%
1999   \anappendixtrue}

```

### 7.40 latex-localise-messages-xepersian.def

```

2000 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 7.41 minitoc-xepersian.def

```

2001 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
2002 \def\ptctitle{\if@RTL      else\      Table of Contents\fi}%

```



```

2003 \def\plftitle{\if@RTL     else\    List of Figures\fi}%
2004 \def\plttitle{\if@RTL     else\    List of Tables\fi}%
2005 \def\mtctitle{\if@RTL else\    Contents\fi}%
2006 \def\mlftitle{\if@RTL else\    Figures\fi}%
2007 \def\mlttitle{\if@RTL else\    Tables\fi}%
2008 \def\stctitle{\if@RTL else\    Contents\fi}%
2009 \def\slftitle{\if@RTL else\    Figures\fi}%
2010 \def\slttitle{\if@RTL else\    Tables\fi}%

```

## 7.42 latex-localise-misc-xepersian.def

```

2011 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
2012 %}1# \ \
2013 \@ \ \ \ \
2014 \1# \
2015 \1# @\
2016 \1# @\
2017 {@ \ \
2018 %}2#1# @\ \
2019 %1# \ \ \ \ \ \
2020 \2# \ \ \ \
2021 {{2#1# \}}
2022 undefined\ \ \
2023
2024 %{ \ \ \ \ \1#} \ \} \1# \ \
2025 \ { \ \ \
2026 \ \ \
2027
2028
2029 \ \ \ \%} \#1
2030 \1#} \ \ \% \
2031 \ \ \ \
2032 }%
2033 \
2034 \ \ \
2035 }
2036 \= \ \
2037
2038
2039 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2040 \def\@xfloat #1[#2]{%
2041 \@nodocument
2042 \def \@captive {#1}%
2043 \def \@fps {#2}%
2044 \@onelevel@sanitize \@fps
2045 \def \reserved@b {!}%
2046 \ifx \reserved@b \@fps
2047 \@fpsadddefault
2048 \else
2049 \ifx \@fps \@empty

```



```

2050      \@fpsadddefault
2051      \fi
2052    \fi
2053    \ifhmode
2054      \@bsphack
2055      \@floatpenalty -\@Mii
2056    \else
2057      \@floatpenalty-\@Miii
2058    \fi
2059  \ifinner
2060    \@parmoderr\@floatpenalty\z@
2061  \else
2062    \@next\@currbox\@freelist
2063    {%
2064      \@tempcnta \sixt@@n
2065      \expandafter \@tfor \expandafter \reserved@a
2066        \expandafter :\expandafter =\@fps
2067      \do
2068      {%
2069        \if \reserved@a h%
2070          \ifodd \@tempcnta
2071          \else
2072            \advance \@tempcnta \@ne
2073          \fi
2074        \if \reserved@a %
2075          \ifodd \@tempcnta
2076          \else
2077            \advance \@tempcnta \@ne
2078          \fi
2079        \if \reserved@a t%
2080          \setfpsbit \tw@
2081        \fi
2082        \if \reserved@a %
2083          \setfpsbit \tw@
2084        \fi
2085        \if \reserved@a b%
2086          \setfpsbit 4%
2087        \fi
2088        \if \reserved@a %
2089          \setfpsbit 4%
2090        \fi
2091        \if \reserved@a p%
2092          \setfpsbit 8%
2093        \fi
2094        \if \reserved@a %
2095          \setfpsbit 8%
2096        \fi
2097        \if \reserved@a !%

```



```

2100         \ifnum \@tempcnta>15
2101             \advance\@tempcnta -\sixt@@n\relax
2102         \fi
2103     \fi
2104 }%
2105     \@tempcntb \csname ftype@\@capttype \endcsname
2106     \multiply \@tempcntb \@xxxii
2107     \advance \@tempcnta \@tempcntb
2108     \global \count\@currbox \@tempcnta
2109 }%
2110 \@fltovf
2111 \fi
2112 \global \setbox\@currbox
2113     \color@vbox
2114     \normalcolor
2115     \vbox \bgroup
2116         \hsize\columnwidth
2117         \@parboxrestore
2118         \@floatboxreset
2119 }
2120 \let\bm@ \bm@c
2121 \let\bm@ \bm@l
2122 \let\bm@ \bm@r
2123 \let\bm@ \bm@b
2124 \let\bm@ \bm@t
2125 \let\bm@ \bm@s
2126 \long\def\@iiiparbox#1#2[#3]#4#5{%
2127     \leavevmode
2128     \@pboxswfalse
2129     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2130     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2131     \setlength\@tempdima{#4}%
2132     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
2133     \ifx\relax#2\else
2134         \setlength\@tempdimb{#2}%
2135         \edef\@parboxto{to\the\@tempdimb}%
2136     \fi
2137     \if#1b\vbox
2138     \else\if#1\vbox
2139     \else\if #1t\top
2140     \else\if vtop\ #1
2141     \else\ifmmode\vcenter
2142     \else\@pboxswtrue $\vcenter
2143     \fi\fi\fi\fi\fi
2144     \@parboxto{\let\hss\vss\let\unhbox\unvbox
2145         \csname bm@#3\endcsname}%
2146     \if@pboxsw \m@th$\fi
2147     \@end@tempboxa}
2148 \def\@iiiminipage#1#2[#3]#4{%
2149     \leavevmode

```



```

2150 \@pboxswfalse
2151 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2152 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2153 \setlength\@tempdima{#4}%
2154 \def\@mpargs{#{1}{#2}[#3]{#4}}%
2155 \setbox\@tempboxa\vbox\bgroup
2156 \color@begingroup
2157 \hsize\@tempdima
2158 \textwidth\hsize \columnwidth\hsize
2159 \@parboxrestore
2160 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2161 \let\@footnotetext\@mpfootnotetext
2162 \let\@LTRfootnotetext\@mpLTRfootnotetext
2163 \let\@RTLfootnotetext\@mpRTLfootnotetext
2164 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2165 \@minipagerestore
2166 \@setminipage}
2167 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2168 \ifnum \@lastchclass=3 5 \else
2169 \z@ \if #1c\@chnum \z@ \else
2170 \if chnum@\#1 \z@ \else
2171 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2172 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2173 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2174 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2175 \@chclass \if #1|\@ne \else
2176 \if #1@\tw@ \else
2177 \if #1p3 \else
2178 \if 3#1 \else \z@ \@preamerr 0\fi
2179 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2180 \fi}%
2181 {}
2182 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2183 \def\@testpach{\@chclass
2184 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2185 \ifnum \@lastchclass=7 5 \else
2186 \ifnum \@lastchclass=8 \tw@ \else
2187 \ifnum \@lastchclass=9 \thr@@
2188 \else \z@
2189 \ifnum \@lastchclass = 10 \else
2190 \edef\@nextchar{\expandafter\string\@nextchar}%
2191 \@chnum
2192 \if \@nextchar c\z@ \else
2193 \if \@nextchar @z\ \else
2194 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2195 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2196 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2197 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2198 \z@ \@chclass
2199 \if \@nextchar |\@ne \else

```



```

2200 \if \@nextchar !6 \else
2201 \if \@nextchar @7 \else
2202 \if \@nextchar <8 \else
2203 \if \@nextchar >9 \else
2204 10
2205 \@chnum
2206 \if \@nextchar m\thr@@\else
2207 \if \@nextchar thr@@\else\
2208 \if \@nextchar p4 \else
2209 \if \@nextchar 4 \else
2210 \if \@nextchar b5 \else
2211 \if \@nextchar 5 \else
2212 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
2213 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2214 }{}
2215 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2216 \ifadl@usingarypkg
2217 \def\@testpach{\@chclass
2218 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2219 \ifnum \@lastchclass=7 5 \else
2220 \ifnum \@lastchclass=8 \tw@ \else
2221 \ifnum \@lastchclass=9 \thr@@
2222 \else \z@
2223 \ifnum \@lastchclass = 10 \else
2224 \edef\@nextchar{\expandafter\string\@nextchar}%
2225 \@chnum
2226 \if \@nextchar c\z@ \else
2227 \if \@nextchar @z\ \else
2228 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2229 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2230 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2231 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2232 \z@ \@chclass
2233 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2234 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2235 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2236 \if \@nextchar !6 \else
2237 \if \@nextchar @7 \else
2238 \if \@nextchar <8 \else
2239 \if \@nextchar >9 \else
2240 10
2241 \@chnum
2242 \if \@nextchar m\thr@@\else
2243 \if \@nextchar thr@@\else\
2244 \if \@nextchar p4 \else
2245 \if \@nextchar 4 \else
2246 \if \@nextchar b5 \else
2247 \if \@nextchar 5 \else
2248 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2249 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%

```



```

2250
2251 \def\@classz{\@classx
2252   \@tempcnta \count@
2253   \prepnext@tok
2254   \@addtopreamble{\ifcase \@chnum
2255     \hfil
2256     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2257     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2258     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2259     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2260     \adl@endmbox\or
2261     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2262     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2263     \fi}\prepnext@tok}
2264 \def\adl@class@start{4}
2265 \def\adl@class@iiiorvii{7}
2266
2267 \else
2268 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2269   \ifnum \@lastchclass=\thr@@ 5\relax \else
2270     \z@ \if #1c\@chnum \z@ \else
2271       \if \@chnum\z@\ #1 \else
2272         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2273         \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2274         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2275         \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2276         \@chclass
2277         \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2278         \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2279         \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2280         \if #1@\tw@ \else
2281         \if #1p\thr@@ \else
2282         \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2283       \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2284
2285 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2286   \or \or \@addamp \or
2287   \@acolampacol \or \@firstampfalse \@acol \fi
2288   \edef\@preamble{\@preamble
2289     \ifcase \@chnum
2290       \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2291       \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2292       \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2293 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2294   \or \or \@addamp \or
2295   \@acolampacol \or \@firstampfalse \@acol \fi
2296   \edef\@preamble{\@preamble
2297     \ifcase \@chnum
2298       \hfil\adl@putlrc{\@sharp\unskip}\hfil
2299       \or \adl@putlrc{\@sharp\unskip}\hfil

```





```

2300 \or \hfил\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2301 \def\adl@class@start{6}
2302 \def\adl@class@iiiorvii{3}
2303 \fi
2304 }{}
2305 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2306 \def\@testpach{\@chclass
2307 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2308 \ifnum \@lastchclass=7 5 \else
2309 \ifnum \@lastchclass=8 \tw@ \else
2310 \ifnum \@lastchclass=9 \thr@@
2311 \else \z@
2312 \ifnum \@lastchclass = 10 \else
2313 \edef\@nextchar{\expandafter\string\@nextchar}%
2314 \@chnum
2315 \if \@nextchar c\z@ \else
2316 \if \@nextchar @\z@ \else
2317 \if \@nextchar \ifRTTtab r\else l\fi\@ne \else
2318 \if \@nextchar \ifRTTtab else\ fi\@ne\ \else
2319 \if \@nextchar \ifRTTtab l\else r\fi\tw@ \else
2320 \if \@nextchar \ifRTTtab else\ @fi\tw\ \else
2321 \if \@nextchar C7 \else
2322 \if \@nextchar 7 \else
2323 \if \@nextchar L8 \else
2324 \if \@nextchar 8 \else
2325 \if \@nextchar R9 \else
2326 \if \@nextchar 9 \else
2327 \if \@nextchar J10 \else
2328 \if \@nextchar 10 \else
2329 \z@ \@chclass
2330 \if \@nextchar |\@ne \else
2331 \if \@nextchar !6 \else
2332 \if \@nextchar @7 \else
2333 \if \@nextchar <8 \else
2334 \if \@nextchar >9 \else
2335 10
2336 \@chnum
2337 \if \@nextchar m\thr@@\else
2338 \if \@nextchar thr@@\else\
2339 \if \@nextchar p4 \else
2340 \if \@nextchar4 \else
2341 \if \@nextchar b5 \else
2342 \if \@nextchar 5 \else
2343 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2344 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2345 }{}
2346 \@ifdefinitionfileloaded{float-xetex-bidi}{%
2347 \let\@float@Hx\@xfloat
2348 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}[]} {\@ifnextchar{ }{\@float@{1#} []}{\@float@Hx{#1}[]}}
2349 \def\@float@HH#1[H]{%

```



```

2350 \expandafter\let\csname end#1\endcsname\float@endH
2351 \let\@currbox\float@box
2352 \def\@captype{#1}\setbox\@floatcapt=\vbox{}%
2353 \expandafter\ifx\csname fst@#1\endcsname\relax
2354 \@flstylefalse\else\@flstyletrue\fi
2355 \setbox\@currbox\color@vbox\normalcolor
2356 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2357 \@floatboxreset \@setnobreak
2358 \ignorespaces}
2359 \def\@float@[ ]1# {%-
2360 \expandafter\let\csname end#1\endcsname\float@endH
2361 \let\@currbox\float@box
2362 \def\@captype{#1}\setbox\@floatcapt=\vbox{}%
2363 \expandafter\ifx\csname fst@#1\endcsname\relax
2364 \@flstylefalse\else\@flstyletrue\fi
2365 \setbox\@currbox\color@vbox\normalcolor
2366 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2367 \@floatboxreset \@setnobreak
2368 \ignorespaces}
2369 }{}
2370 \begingroup \catcode `|=0 \catcode `[= 1
2371 \catcode `]=2 \catcode `{\=12 \catcode `}\=12
2372 \catcode `\\=12 \gdef\@sx@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2373 \gdef\@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2374 \endgroup
2375 \def\@frenchspacing\@vobeyspaces \@sx@xepersian@localize@verbatim}
2376 \def\endlist{\if@newlist \leavevmode\fi\endtrivlist}
2377 \ExplSyntaxOn
2378 \AtBeginDocument{\@namedef{*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2379 \ExplSyntaxOff
2380 \expandafter\let\csname end * \endcsname =\end

```

### 7.43 natbib-xepersian.def

```

2381 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2382 \renewcommand\NAT@set@cites{%
2383 \ifNAT@numbers
2384 \ifNAT@super \let\@cite\NAT@citesuper
2385 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2386 \let\citeyearpar=\citeyear
2387 \let\NAT@space\relax
2388 \def\NAT@super@kern{\kern\p@}%
2389 \else
2390 \let\NAT@mbox=\mbox
2391 \let\@cite\NAT@citenum
2392 \let\NAT@space\NAT@spacechar
2393 \let\NAT@super@kern\relax
2394 \fi
2395 \let\@citex\NAT@citexnum
2396 \let\@Latincitex\NAT@Latin@citexnum

```



```

2397 \let\@biblabel\NAT@biblabelnum
2398 \let\@bibsetup\NAT@bibsetnum
2399 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2400 \def\natexlab##1{}%
2401 \def\NAT@penalty{\penalty\@m}%
2402 \else
2403 \let\@cite\NAT@cite
2404 \let\@citex\NAT@citex
2405 \let\@Latincitex\NAT@Latin@citex
2406 \let\@biblabel\NAT@biblabel
2407 \let\@bibsetup\NAT@bibsetup
2408 \let\NAT@space\NAT@spacechar
2409 \let\NAT@penalty\@empty
2410 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2411 \def\natexlab##1{##1}%
2412 \fi}
2413 \newcommand\NAT@Latin@citex{}
2414 \def\NAT@Latin@citex%
2415 [#1][#2]#3{%
2416 \NAT@reset@parser
2417 \NAT@sort@cites{#3}%
2418 \NAT@reset@citea
2419 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2420 \@for\@citeb:=\NAT@cite@list\do
2421 {\@safe@activestrue
2422 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2423 \@safe@activesfalse
2424 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2425 {\reset@font\bfseries ?}\NAT@citeundefined
2426 \PackageWarning{natbib}%
2427 {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2428 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2429 \NAT@parse{\@citeb}%
2430 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2431 \let\NAT@name=\NAT@all@names
2432 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2433 \fi
2434 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2435 \let\NAT@nm\NAT@name\fi
2436 \ifNAT@swa\ifcase\NAT@ctype
2437 \if\relax\NAT@date\relax
2438 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2439 \else
2440 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2441 \ifx\NAT@last@yr\NAT@year
2442 \def\NAT@temp{}}}%
2443 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2444 {Multiple citation on page \thepage: same authors and
2445 year\MessageBreak without distinguishing extra
2446 letter,\MessageBreak appears as question mark}\fi

```



```

2447         \NAT@hyper@{\NAT@exlab}%
2448     \else\unskip\NAT@spacechar
2449         \NAT@hyper@{\NAT@date}%
2450     \fi
2451 \else
2452     \@citea\NAT@hyper@{%
2453         \NAT@nmfmt{\NAT@nm}%
2454         \hyper@natlinkbreak{%
2455             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2456         }%
2457         \NAT@date
2458     }%
2459 \fi
2460 \fi
2461 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2462 \or\@citea\NAT@hyper@{\NAT@date}%
2463 \or\@citea\NAT@hyper@{\NAT@alias}%
2464 \fi \NAT@def@citea
2465 \else
2466     \ifcase\NAT@ctype
2467     \if\relax\NAT@date\relax
2468         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2469     \else
2470         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2471             \ifx\NAT@last@yr\NAT@year
2472                 \def\NAT@temp{?}%
2473                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2474                     {Multiple citation on page \thepage: same authors and
2475                     year\MessageBreak without distinguishing extra
2476                     letter,\MessageBreak appears as question mark}\fi
2477                 \NAT@hyper@{\NAT@exlab}%
2478             \else
2479                 \unskip\NAT@spacechar
2480                 \NAT@hyper@{\NAT@date}%
2481             \fi
2482         \else
2483             \@citea\NAT@hyper@{%
2484                 \NAT@nmfmt{\NAT@nm}%
2485                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2486                 {\@citeb\@extra@b@citeb}%
2487                 \NAT@date
2488             }%
2489         \fi
2490     \fi
2491 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2492 \or\@citea\NAT@hyper@{\NAT@date}%
2493 \or\@citea\NAT@hyper@{\NAT@alias}%
2494 \fi
2495 \if\relax\NAT@date\relax
2496     \NAT@def@citea

```



```

2497     \else
2498         \NAT@def@citea@close
2499     \fi
2500 \fi
2501 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2502 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2503 \newcommand\NAT@Latin@citexnum{}
2504 \def\NAT@Latin@citexnum[#1][#2]#3{%
2505     \NAT@reset@parser
2506     \NAT@sort@cites{#3}%
2507     \NAT@reset@citea
2508     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2509         \@for\@citeb:=\NAT@cite@list\do
2510             {\@safe@activestrue
2511                 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2512                 \@safe@activesfalse
2513                 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2514                     {\reset@font\bfseries?}
2515                     \NAT@citeundefined\PackageWarning{natbib}%
2516                     {Citation `'\@citeb' on page \thepage \space undefined}}%
2517                 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2518                     \NAT@parse{\@citeb}%
2519                     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2520                         \let\NAT@name=\NAT@all@names
2521                         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2522                 \fi
2523                 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2524                     \let\NAT@nm\NAT@name\fi
2525                 \ifNAT@swa
2526                     \@ifnum{\NAT@ctype>\@ne}{%
2527                         \citea
2528                     \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}}%
2529                 }{%
2530                     \@ifnum{\NAT@cmprs>\z@}{%
2531                         \NAT@ifcat@num\NAT@num
2532                         {\let\NAT@nm=\NAT@num}%
2533                         {\def\NAT@nm{-2}}}%
2534                     \NAT@ifcat@num\NAT@last@num
2535                     {\@tempcnta=\NAT@last@num\relax}%
2536                     {\@tempcnta\m@ne}%
2537                     \@ifnum{\NAT@nm=\@tempcnta}{%
2538                         \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2539                     }{%
2540                         \advance\@tempcnta by\@ne
2541                         \@ifnum{\NAT@nm=\@tempcnta}{%
2542                             \ifx\NAT@last@yr\relax
2543                                 \def\NAT@last@yr{\@citea}%
2544                             \else
2545                                 \def\NAT@last@yr{--\NAT@penalty}%
2546                             \fi

```



```

2547         }{%
2548         \NAT@last@yr@mbox
2549         }%
2550     }%
2551     }{%
2552     \@tempswatrue
2553     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2554     \if@tempswa\NAT@citea@mbox\fi
2555     }%
2556     }%
2557     \NAT@def@citea
2558     \else
2559     \ifcase\NAT@ctype
2560     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2561     \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2562     \fi
2563     \if*#1*\else#1\NAT@spacechar\fi
2564     \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2565     \NAT@def@citea@box
2566     \or
2567     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2568     \or
2569     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2570     \or
2571     \NAT@hyper@citea@space\NAT@alias
2572     \fi
2573     \fi
2574     }%
2575     }%
2576     \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2577     \ifNAT@swa\else
2578     \@ifnum{\NAT@ctype=\z@}{%
2579     \if*#2*\else\NAT@cmt#2\fi
2580     }{%
2581     \NAT@mbox{\NAT@@close}%
2582     \fi
2583     }}{#1}{#2}%
2584 }%
2585 \AtBeginDocument{\NAT@set@cites}
2586 \DeclareRobustCommand\Latincite
2587 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2588 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2589 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2590 \ifNAT@numbers\else
2591 \NAT@swafalse
2592 \fi
2593 \NAT@@Latin@@citetp[]}}
2594 \newcommand\NAT@@Latin@@citetp{}
2595 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```



## 7.44 packages-localise-xepersian.def

```

2596 packages}          \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2597 color}    \}{color}          @\-localise-xepersian.def}}{}
2598 \@ifpackageloaded{multicol}{%
2599 \newenvironment{      }{\begin{multicols}}{\end{multicols}}%
2600 \newenvironment{      *}{\begin{multicols*}}{\end{multicols*}}%
2601 }{}
2602 \@ifpackageloaded{verbatim}{%
2603 \begingroup
2604 \vrb@catcodes
2605 \lccode`!=`\\ \lccode`\[=`{\ \lccode`\[=`{
2606 \catcode`\~=\active \lccode`\~=`\^M
2607 \lccode`\C=`\C
2608 \lowercase{\endgroup
2609 \def\xepersian@localize@verbatim@start#1{%
2610 \verbatim@startline
2611 \if\noexpand#1\noexpand~%
2612 \let\next\xepersian@localize@verbatim@
2613 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2614 \next}%
2615 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2616 \def\xepersian@localize@verbatim@@#1! {%
2617 \verbatim@addtoline{#1}%
2618 \futurelet\next\xepersian@localize@verbatim@@@}%
2619 \def\xepersian@localize@verbatim@@@#1\@nil{%
2620 \ifx\next\@nil
2621 \verbatim@processline
2622 \verbatim@startline
2623 \let\next\xepersian@localize@verbatim@
2624 \else
2625 \def\@tempa##1! \@nil{##1}%
2626 \@temptokena{! }%
2627 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2628 \fi \next}%
2629 \def\xepersian@localize@verbatim@test#1{%
2630 \let\next\xepersian@localize@verbatim@test
2631 \if\noexpand#1\noexpand~%
2632 \expandafter\verbatim@addtoline
2633 \expandafter{\the\@temptokena}%
2634 \verbatim@processline
2635 \verbatim@startline
2636 \let\next\xepersian@localize@verbatim@
2637 \else \if\noexpand#1
2638 \@temptokena\expandafter{\the\@temptokena#1}%
2639 \else \if\noexpand#1\noexpand[%
2640 \let\@tempc\@empty
2641 \let\next\xepersian@localize@verbatim@testend
2642 \else
2643 \expandafter\verbatim@addtoline

```



```

2644         \expandafter{\the\@temptokena}%
2645         \def\next{\xepersian@localize@verbatim@#1}%
2646         \fi\fi\fi
2647         \next}%
2648 \def\xepersian@localize@verbatim@testend#1{%
2649     \if\noexpand#1\noexpand~%
2650         \expandafter\verbatim@addtoline
2651         \expandafter{\the\@temptokena[]}%
2652         \expandafter\verbatim@addtoline
2653         \expandafter{\@tempc}%
2654         \verbatim@processline
2655         \verbatim@startline
2656         \let\next\xepersian@localize@verbatim@
2657     \else\if\noexpand#1\noexpand]%
2658         \let\next\xepersian@localize@verbatim@@testend
2659     \else\if\noexpand#1\noexpand!%
2660         \expandafter\verbatim@addtoline
2661         \expandafter{\the\@temptokena[]}%
2662         \expandafter\verbatim@addtoline
2663         \expandafter{\@tempc}%
2664         \def\next{\xepersian@localize@verbatim@!}%
2665     \else \expandafter\def\expandafter\@tempc\expandafter
2666         {\@tempc#1}\fi\fi\fi
2667     \next}%
2668 \def\xepersian@localize@verbatim@@testend{%
2669     \ifx\@tempc\@currenvir
2670         \verbatim@finish
2671         \edef\next{\noexpand\end{\@currenvir}}%
2672         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2673     \else
2674         \expandafter\verbatim@addtoline
2675         \expandafter{\the\@temptokena[]}%
2676         \expandafter\verbatim@addtoline
2677         \expandafter{\@tempc}}%
2678     \let\next\xepersian@localize@verbatim@
2679     \fi
2680     \next}%
2681 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2682     \@warning{Characters dropped after `string\end{#1}'}\fi}%
2683 \def\
2684     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2685     \xepersian@localize@verbatim@start}
2686 \@namedef{
2687     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2688 \def\end
2689     {\endtrivlist\endgroup\@doendpe}
2690 \expandafter\let\csname end
2691     *\endcsname =\end
2692 }{}
2693 \ExplSyntaxOn
2694 \AtBeginDocument{
2695     \xepersian_localize_patch_verbatim:
2696 }
2697 \cs_set:Npn \xepersian_localize_patch_verbatim: {

```





```

2694 \ifpackageloaded{verbatim}{
2695   \cs_set:cpn {*} } }
2696   \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2697 }
2698 }{
2699 }
2700 }
2701 \ExplSyntaxOff
2702 \@ifpackageloaded{graphicx}{%
2703 \def\Gin@boolkey#1#2{%
2704 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2705 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2706 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2707 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2708 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2709 \define@key{Grot}{origin}[c]{%
2710 \@tfor\@tempa:=#1\do{%
2711   \if l\@tempa \Grot@x\z@\else
2712   \if tempa@ \Grot@x\z@\else
2713   \if r\@tempa \Grot@x\width\else
2714   \if tempa@ \Grot@x\width\else
2715   \if t\@tempa \Grot@y\height\else
2716   \if tempa@ \Grot@y\height\else
2717   \if b\@tempa \Grot@y-\depth\else
2718   \if tempa@ \Grot@y-\depth\else
2719   \if B\@tempa \Grot@y\z@\else
2720   \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2721 {draft}{ }{Gin} @ \
2722 {origin}{ }{Gin} @ \
2723 {origin}{ }{Grot} @ \
2724 {clip}{ }{Gin} @ \
2725 {keepaspectratio}{ }{Gin} @ \
2726 {natwidth}{ }{Gin} @ \
2727 {natheight}{ }{Gin} @ \
2728 {bb}{ }{Gin} @ \
2729 {viewport}{ }{Gin} @ \
2730 {trim}{ }{Gin} @ \
2731 {angle}{ }{Gin} @ \
2732 {width}{ }{Gin} @ \
2733 {height}{ }{Gin} @ \
2734 {totalheight}{ }{Gin} @ \
2735 {scale}{ }{Gin} @ \
2736 {type}{ }{Gin} @ \
2737 {ext}{ }{Gin} @ \
2738 {read}{ }{Gin} @ \
2739 {command}{ }{Gin} @ \
2740 {x}{ }{Grot} @ \
2741 {y}{ }{Grot} @ \
2742 {units}{ }{Grot} @ \
2743 }{ }

```



## 7.45 parsidigits.map

```
2744 LHSName "Digits"
2745 RHSName "ParsiDigits"
2746
2747 pass(Unicode)
2748 U+0030 <> U+06F0 ;
2749 U+0031 <> U+06F1 ;
2750 U+0032 <> U+06F2 ;
2751 U+0033 <> U+06F3 ;
2752 U+0034 <> U+06F4 ;
2753 U+0035 <> U+06F5 ;
2754 U+0036 <> U+06F6 ;
2755 U+0037 <> U+06F7 ;
2756 U+0038 <> U+06F8 ;
2757 U+0039 <> U+06F9 ;
2758
2759
2760 U+002C <> U+060C ; comma > arabic comma
2761 U+003F <> U+061F ; question mark -> arabic qm
2762 U+003B <> U+061B ; semicolon -> arabic semicolon
2763
2764 ; ligatures from Knuth's original CMR fonts
2765 U+002D U+002D <> U+2013 ; -- -> en dash
2766 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2767
2768 U+0027 <> U+2019 ; ' -> right single quote
2769 U+0027 U+0027 <> U+201D ; '' -> right double quote
2770 U+0022 > U+201D ; " -> right double quote
2771
2772 U+0060 <> U+2018 ; ` -> left single quote
2773 U+0060 U+0060 <> U+201C ; `` -> left double quote
2774
2775 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclamation
2776 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2777
2778 ; additions supported in T1 encoding
2779 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2780 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2781 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

## 7.46 rapport1-xepersian.def

```
2782 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2783 \renewcommand*{\thepart}{\@tartibi\c@part}
2784 \renewcommand*{\appendix}{\par
2785   \setcounter{chapter}{0}%
2786   \setcounter{section}{0}%
2787   \gdef\@chapapp{\appendixname}%
2788   \gdef\thechapter{\@harfi\c@chapter}}
```



## 7.47 rapport3-xepersian.def

```
2789 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2790 \renewcommand*\thepart{\@tartibi\c@part}
2791 \renewcommand*\appendix{\par
2792   \setcounter{chapter}{0}%
2793   \setcounter{section}{0}%
2794   \gdef\@chapapp{\appendixname}%
2795   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.48 refrep-xepersian.def

```
2796 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2797 \renewcommand \thepart {\@tartibi\c@part}
2798 \renewcommand\appendix{\par
2799   \setcounter{chapter}{0}%
2800   \setcounter{section}{0}%
2801   \gdef\@chapapp{\appendixname}%
2802   \gdef\thechapter{\@harfi\c@chapter}
2803 }%end appendix
```

## 7.49 report-xepersian.def

```
2804 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2805 \renewcommand \thepart {\@tartibi\c@part}
2806 \renewcommand\appendix{\par
2807   \setcounter{chapter}{0}%
2808   \setcounter{section}{0}%
2809   \gdef\@chapapp{\appendixname}%
2810   \gdef\thechapter{\@harfi\c@chapter}
2811 }%end appendix
```

## 7.50 scrartcl-xepersian.def

```
2812 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2813 \renewcommand*\thepart{\@tartibi\c@part}
2814 \renewcommand*\appendix{\par%
2815   \setcounter{section}{0}%
2816   \setcounter{subsection}{0}%
2817   \gdef\thesection{\@harfi\c@section}%
2818   \csname appendixmore\endcsname
2819 }
2820 \renewcommand*{\@maybeautodot}[1]{%
2821   \ifx #1\@stop\let\@maybeautodot\relax
2822   \else
2823     \ifx #1\harfi \@autodottrue\fi
2824     \ifx #1\adadi \@autodottrue\fi
2825     \ifx #1\tartibi \@autodottrue\fi
2826     \ifx #1\Alph \@autodottrue\fi
2827     \ifx #1\alph \@autodottrue\fi
2828     \ifx #1\Roman \@autodottrue\fi
2829     \ifx #1\roman \@autodottrue\fi
```



```

2830 \ifx #1\@harfi \@autodottrue\fi
2831 \ifx #1\@adadi \@autodottrue\fi
2832 \ifx #1\@tartibi \@autodottrue\fi
2833 \ifx #1\@Alph \@autodottrue\fi
2834 \ifx #1\@alph \@autodottrue\fi
2835 \ifx #1\@Roman \@autodottrue\fi
2836 \ifx #1\@roman \@autodottrue\fi
2837 \ifx #1\romannumeral \@autodottrue\fi
2838 \fi
2839 \@maybeautodot
2840 }

```

## 7.51 scrbook-xepersian.def

```

2841 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2842 \renewcommand*\frontmatter{%
2843 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2844 \@mainmatterfalse\pagenumbering{harfi}%
2845 }
2846 \renewcommand*\thepart{\@tartibi\c@part}
2847 \renewcommand*\appendix{\par%
2848 \setcounter{chapter}{0}%
2849 \setcounter{section}{0}%
2850 \gdef\@chapapp{\appendixname}%
2851 \gdef\thechapter{\@harfi\c@chapter}%
2852 \csname appendixmore\endcsname
2853 }
2854 \renewcommand*\@maybeautodot}[1]{%
2855 \ifx #1\@stop\let\@maybeautodot\relax
2856 \else
2857 \ifx #1\harfi \@autodottrue\fi
2858 \ifx #1\adadi \@autodottrue\fi
2859 \ifx #1\tartibi \@autodottrue\fi
2860 \ifx #1\Alph \@autodottrue\fi
2861 \ifx #1\alph \@autodottrue\fi
2862 \ifx #1\Roman \@autodottrue\fi
2863 \ifx #1\roman \@autodottrue\fi
2864 \ifx #1\@harfi \@autodottrue\fi
2865 \ifx #1\@adadi \@autodottrue\fi
2866 \ifx #1\@tartibi \@autodottrue\fi
2867 \ifx #1\@Alph \@autodottrue\fi
2868 \ifx #1\@alph \@autodottrue\fi
2869 \ifx #1\@Roman \@autodottrue\fi
2870 \ifx #1\@roman \@autodottrue\fi
2871 \ifx #1\romannumeral \@autodottrue\fi
2872 \fi
2873 \@maybeautodot
2874 }

```

## 7.52 scrreprt-xepersian.def



```

2875 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2876 \renewcommand*{\thepart}{\@tartibi\c@part}
2877 \renewcommand*{\appendix}{\par%
2878   \setcounter{chapter}{0}%
2879   \setcounter{section}{0}%
2880   \gdef\@chapapp{\appendixname}%
2881   \gdef\thechapter{\@harfi\c@chapter}%
2882   \csname appendixmore\endcsname
2883 }
2884 \renewcommand*{\@maybeautodot}[1]{%
2885   \ifx #1\@stop\let\@maybeautodot\relax
2886   \else
2887     \ifx #1\harfi \@autodottrue\fi
2888     \ifx #1\adadi \@autodottrue\fi
2889     \ifx #1\tartibi \@autodottrue\fi
2890     \ifx #1\Alph \@autodottrue\fi
2891     \ifx #1\alph \@autodottrue\fi
2892     \ifx #1\Roman \@autodottrue\fi
2893     \ifx #1\roman \@autodottrue\fi
2894     \ifx #1\@harfi \@autodottrue\fi
2895     \ifx #1\@adadi \@autodottrue\fi
2896     \ifx #1\@tartibi \@autodottrue\fi
2897     \ifx #1\@Alph \@autodottrue\fi
2898     \ifx #1\@alph \@autodottrue\fi
2899     \ifx #1\@Roman \@autodottrue\fi
2900     \ifx #1\@roman \@autodottrue\fi
2901     \ifx #1\romannumeral \@autodottrue\fi
2902   \fi
2903   \@maybeautodot
2904 }

```

### 7.53 tkz-linknodes-xepersian.def

```

2905 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2906 \renewcommand*{\@SetTab}{%
2907   \let\@alph\@latinalph%
2908   \ifnum \value{C@NumTab}>25\relax%
2909     \setcounter{C@NumTab}{1}%
2910   \else%
2911     \stepcounter{C@NumTab}%
2912   \fi%
2913   \setcounter{C@NumGroup}{0}%
2914   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2915   \setboolean{B@FirstLink}{true}
2916   \setboolean{B@NewGroup}{false}
2917   \setcounter{C@NumGroup}{0}
2918   \setcounter{C@CurrentGroup}{0}
2919   \setcounter{NumC@Node}{0}
2920   \setcounter{NumC@Stop}{0}
2921   \setcounter{C@NextNode}{0}

```



```

2922 \setcounter{C@CurrentStop}{0}
2923 \setcounter{C@CurrentNode}{0}
2924 }%

```

## 7.54 tocloft-xepersian.def

```

2925 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2926 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2927 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2928 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2929 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2930 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2931 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2932 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2933 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2934 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2935 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 7.55 xepersian.sty

```

2936 \NeedsTeXFormat{LaTeX2e}
2937 \def\xepersianversion{v16}
2938 \def\xepersiandate{2015/02/02}
2939 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2940 Persian typesetting in XeLaTeX]
2941 \RequirePackage{fontspec}
2942 \RequirePackage{xepersian-persiancal}
2943 \RequirePackage{xepersian-mathsdigitspec}
2944 \RequirePackage{bidi}
2945 \edef\@xepersian@info{*****^^J%
2946 * ^^J%
2947 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2948 * ^^J%
2949 * Description: The package supports Persian^^J%
2950 * typesetting, using fonts provided in the^^J%
2951 * distribution.^^J%
2952 * ^^J%
2953 * Copyright (c) 2008--2015 Vafa Khalighi^^J%
2954 * ^^J%
2955 * \xepersianversion, \xepersiandate^^J%
2956 * ^^J%
2957 * License: LaTeX Project Public License, version^^J%
2958 * 1.3c or higher (your choice)^^J%
2959 * ^^J%
2960 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2961 * ^^J%
2962 * Issue tracker: https://github.com/persian-tex/xepersian/issues^^J%
2963 * ^^J%
2964 * Support: persian-tex@tug.org^^J%
2965 *****}
2966 \typeout{\@xepersian@info}

```



```

2967 \edef\xepersian@everyjob{\the\everyjob}
2968 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2969 \def\prq{«}
2970 \def\plq{»}
2971 \def\xepersian@cmds@temp#1{%
2972   \begingroup\expandafter\expandafter\expandafter\endgroup
2973   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2974     \begingroup
2975       \escapechar=-1 %
2976       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2977       \def\y{#1}%
2978       \def\z##1->{%}
2979       \edef\y{\expandafter\z\meaning\y}%
2980     \expandafter\endgroup
2981     \ifx\x\y
2982       \expandafter\def\csname xepersian@#1\expandafter\endcsname
2983       \expandafter{%
2984         \csname#1\endcsname
2985       }%
2986     \fi
2987   \fi
2988 }%
2989 \xepersian@cmds@temp{shellescape}
2990 \newif\ifwritexviii
2991 \ifnum\xepersian@shellescape=1\relax
2992   \writexviii>true
2993 \else
2994   \writexviii>false
2995 \fi
2996 \newfontscript{Parsi}{arab}
2997 \newfontlanguage{Parsi}{FAR}
2998 \ExplSyntaxOn
2999 \DeclareDocumentCommand \settextfont { 0 } m 0 { }
3000 {
3001   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont _family } {Script=Parsi,Lang
3002   \use:x
3003   {
3004     \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
3005     {
3006       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3007       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} } \exp_not:N
3008     }
3009   }
3010   \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
3011   \normalfont
3012 }
3013 \DeclareDocumentCommand \setlatintextfont { 0 } m 0 { }
3014 {
3015   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \latinfont _family } {Mapping=tex-text,#1,
3016   \use:x

```



```

3017 {
3018   \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont
3019   {
3020     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3021     \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \latinfont _family} } \exp_not:N \
3022   }
3023 }
3024 }
3025 \cs_set_eq:NN \setlatinsansfont \setsansfont
3026 \cs_set_eq:NN \setlatinmonofont \setmonofont
3027 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3028 {
3029   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi,
3030   \use:x
3031   {
3032     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3033     {
3034       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3035       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3036     }
3037   }
3038 }
3039 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3040 {
3041   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4} {#3}
3042   \use:x
3043   {
3044     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3045     {
3046       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3047       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3048     }
3049   }
3050 }
3051 \newcommand\persiansfdefault{}
3052 \newcommand\persianttdefault{}
3053 \newcommand\iranicsfdefault{}
3054 \newcommand\navarsfdefault{}
3055 \newcommand\pooksfdefault{}
3056 \newcommand\sayehsfdefault{}
3057 \DeclareRobustCommand\persiansffamily
3058   {\not@math@alphabet\persiansffamily\mathpersiansf
3059   \fontfamily\persiansfdefault\selectfont}
3060 \DeclareRobustCommand\persianttfamily
3061   {\not@math@alphabet\persianttfamily\mathpersiantt
3062   \fontfamily\persianttdefault\selectfont}
3063 \DeclareRobustCommand\iranicsfamily
3064   {\not@math@alphabet\iranicsfamily\mathiranics
3065   \fontfamily\iranicsdefault\selectfont}
3066 \DeclareRobustCommand\navarsfamily

```





```

3067         {\not@math@alphabet\navarfamily\mathnavar
3068         \fontfamily\navardefault\selectfont}
3069 \DeclareRobustCommand\pookfamily
3070         {\not@math@alphabet\pookfamily\mathpook
3071         \fontfamily\pookdefault\selectfont}
3072 \DeclareRobustCommand\sayehfamily
3073         {\not@math@alphabet\sayehfamily\mathsayeh
3074         \fontfamily\sayehdefault\selectfont}
3075 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3076 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3077 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3078 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3079 \DeclareTextFontCommand{\textpook}{\pookfamily}
3080 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3081 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3082 {
3083   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3084   \normalfont
3085   \ignorespaces
3086 }
3087 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3088 {
3089   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3090   \normalfont
3091   \ignorespaces
3092 }
3093 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3094 {
3095   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3
3096   \normalfont
3097   \ignorespaces
3098 }
3099 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3100 {
3101   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}
3102   \normalfont
3103   \ignorespaces
3104 }
3105 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3106 {
3107   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3
3108   \normalfont
3109   \ignorespaces
3110 }
3111 \DeclareDocumentCommand \setiranicafont { 0{} m 0{} }
3112 {
3113   \fontspec_set_family:Nnn \iranicadefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#
3114   \normalfont
3115   \ignorespaces
3116 }

```



```

3117 \ExplSyntaxOff
3118 \def\resetlatinfont{%
3119 \let\normalfont\latinfont%
3120 \let\reset@font\normalfont%
3121 \latinfont}
3122 \def\setpersianfont{%
3123 \let\normalfont\persianfont%
3124 \let\reset@font\normalfont%
3125 \persianfont}
3126 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3127 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3128 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3129 \def\endlatin{\endLTR}
3130 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3131 \def\endpersian{\endRTL}
3132 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3133 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{persiitems}}
3134 \let\originaltoday=\today
3135 \def\latintoday{\lr{\originaltoday}}
3136 \def\today{\rl{\persiantoday}}
3137 \def \@LTRmarginparreset {%
3138     \reset@font
3139     \latinfont
3140     \normalsize
3141     \@minipagetrue
3142     \everypar{\@minipagefalse\everypar{}\beginL}%
3143 }
3144 \DeclareRobustCommand\Latincite{%
3145 \ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
3146 \def\@Latincitex[#1]#2{\leavevmode
3147 \let\@citea\@empty
3148 \@cite{\lr{\@for\@citeb:=#2\do
3149 {\@citea\def\@citea{\penalty\@m\ }%
3150 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3151 \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3152 \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3153 \G@refundefinedtrue
3154 \@latex@warning
3155 {Citation `'\@citeb' on page \thepage \space undefined}}%
3156 {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@citeb}}{#1}}
3157 \def\@outputpage{%
3158 \begingroup % the \endgroup is put in by \aftergroup
3159 \let \protect \noexpand
3160 \@resetactivechars
3161 \global\let\@if@newlist\if@newlist
3162 \global\@newlistfalse
3163 \@parboxrestore
3164 \shipout \vbox{%
3165 \set@typeset@protect
3166 \aftergroup \endgroup

```



```

3167 \aftergroup \set@typeset@protect
3168 % correct? or just restore by ending
3169 % the group?
3170 \if@specialpage
3171 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3172 \fi
3173 \if@twoside
3174 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3175 \let\@themargin\oddsidemargin
3176 \else \let\@thehead\@evenhead
3177 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3178 \fi
3179 \ifx\@thehead\@empty \let\@thehead\hfil \fi
3180 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3181 \else %% not @twoside
3182 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3183 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3184 \fi
3185 \reset@font
3186 \normalsize
3187 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3188 \normalsfcodes
3189 \let\label\@gobble
3190 \let\index\@gobble
3191 \let\glossary\@gobble
3192 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3193 \@begindvi
3194 \vskip \topmargin
3195 \moveright\@themargin \vbox {%
3196 \setbox\@tempboxa \vbox to\headheight{%
3197 \vfil
3198 \color@hbox
3199 \normalcolor
3200 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3201 \color@endbox
3202 }% %% 22 Feb 87
3203 \dp\@tempboxa \z@
3204 \box\@tempboxa
3205 \vskip \headsep
3206 \box\@outputbox
3207 \baselineskip \footskip
3208 \color@hbox
3209 \normalcolor
3210 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3211 \color@endbox
3212 }%
3213 }%
3214 \global\let\if@newlist\@if@newlist
3215 \global \colht \textheight
3216 \stepcounter{page}%

```



```

3217 \let\firstmark\botmark
3218 }
3219 \newcommand\twocolumnstableofcontents{%
3220 \ifpackageloaded{multicol}{%
3221 \begin{multicols}{2}[\section*{\contentsname}]{%
3222 \small
3223 \@starttoc{toc}%
3224 \end{multicols}}
3225 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei.

3226 \def\XePersian{\leavevmode$\smash{\hbox{X\lower.5ex
3227 \hbox{\kern-.125em\bidireflect@box{E}}Persian}}$}
3228 \def\figurename{\if@RTL else\ Figure\fi}
3229 \def\tablename{\if@RTL else\ Table\fi}
3230 \def\contentsname{\if@RTL else\ Contents\fi}
3231 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3232 \def\listtablename{\if@RTL else\ List of Tables\fi}
3233 \def\appendixname{\if@RTL else\ Appendix\fi}
3234 \def\indexname{\if@RTL else\ Index\fi}
3235 \def\refname{\if@RTL else\ References\fi}
3236 \def\abstractname{\if@RTL else\ Abstract\fi}
3237 \def\partname{\if@RTL else\ Part\fi}
3238 \def\datename{\if@RTL else\ Date:\fi}
3239 \def\@and{\if@RTL else\ and\fi}
3240 \def\bibname{\if@RTL else\ Bibliography\fi}
3241 \def\chaptername{\if@RTL else\ Chapter\fi}
3242 \def\ccname{\if@RTL else\ cc\fi}
3243 \def\enclname{\if@RTL else\ encl\fi}
3244 \def\pagename{\if@RTL else\ Page\fi}
3245 \def\headtoname{\if@RTL else\ To\fi}
3246 \def\proofname{\if@RTL else\ Proof\fi}
3247 \def\@Abjad#1{%
3248 \ifcase#1\or or\ or\ or\ %
3249 \or or\ or\ or\ or\ %
3250 \or or\ or\ or\ or\ %
3251 \or or\ or\ or\ %
3252 \or or\ or\ or\ or\ %
3253 \or or\ or\ or\ or\ %
3254 \else\@ctrerr\fi}
3255 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3256 \let\Abjadnumeral\@Abjad
3257 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
3258 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3259 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3260 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3261 \let\harfinumeral\@harfi
3262 \newcommand{\adadi}[1]{%
3263 \expandafter\@adadi\csname c@#1\endcsname%
3264 }
3265 \newcommand{\@adadi}[1]{%

```



```

3266 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3267 }
3268 \let\adadinumeral\@adadi%
3269 \def\xepersian@numberoutofrange#1#2{%
3270 \PackageError{xepersian}{The number `#1' is too large %
3271 to be formatted using xepersian}{The largest possible %
3272 number is 999,999,999.}%
3273 }
3274 \def\xepersian@numberstring#1#2#3#4{%
3275 \ifnum\number#1<\@ne%
3276 #3%
3277 \else\ifnum\number#1<1000000000 %
3278 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3279 \else%
3280 \xepersian@numberoutofrange{#1}{#4}%
3281 \fi\fi%
3282 }
3283 \def\xepersian@adadi#1#2{%
3284 \expandafter\xepersian@@adadi%
3285 \ifcase%
3286 \ifnum#1<10 1%
3287 \else\ifnum#1<100 2%
3288 \else\ifnum#1<\@m 3%
3289 \else\ifnum#1<\@M 4%
3290 \else\ifnum#1<100000 5%
3291 \else\ifnum#1<1000000 6%
3292 \else\ifnum#1<10000000 7%
3293 \else\ifnum#1<100000000 8%
3294 \else9%
3295 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3296 \or00000000#1% case 1: Add 8 leading zeros
3297 \or0000000#1% case 2: Add 7 leading zeros
3298 \or000000#1% case 3: Add 6 leading zeros
3299 \or00000#1% case 4: Add 5 leading zeros
3300 \or0000#1% case 5: Add 4 leading zeros
3301 \or000#1% case 6: Add 3 leading zeros
3302 \or00#1% case 7: Add 2 leading zeros
3303 \or0#1% case 8: Add 1 leading zero
3304 \or#1% case 9: Add no leading zeros
3305 \or%
3306 \@nil#2%
3307 \fi%
3308 }
3309 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3310 \ifnum#1#2#3>\z@
3311 \xepersian@milyoongan#1#2#3%
3312 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3313 \fi%
3314 \ifnum#4#5#6>\z@%
3315 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%

```



```

3316 \ifnum#4#5#6>\@ne\fi%
3317 %
3318 \ifnum#7>\z@\ \fi%
3319 \fi%
3320 \xepersian@sadgan#7{#4#5#6}1#9%
3321 }
3322 \def\xepersian@milyoongan#1#2#3{%
3323 \ifnum#1#2#3=\@ne%
3324 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3325 %
3326 %
3327 \else%
3328 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3329 %
3330 %
3331 \fi%
3332 }
3333 \def\xepersian@sadgan#1#2#3#4#5#6{%
3334 \ifnum#1>\z@%
3335 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3336 %
3337 \ifnum#2#3>\z@\ \fi%
3338 \fi%
3339 \ifnum#2#3<20%
3340 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3341 \else%
3342 \xepersian@dahgan#2%
3343 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3344 #60%
3345 \fi%
3346 }
3347 \def\xepersian@yekani#1{%
3348 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3349 \or or\ or\ or\ or\ or\ %
3350 \or or\ or\ or\ %
3351 \or or\ %fi\
3352 }
3353 \def\xepersian@yekanii#1{%
3354 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3355 }
3356 \def\xepersian@yekanii#1{%
3357 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3358 }
3359 \def\xepersian@yekaniv#1{%
3360 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3361 \or or\ or\ %fi\
3362 }
3363 \def\xepersian@dahgan#1{%
3364 \ifcase#1\or\or or\ or\ %
3365 \or or\ or\ or\ %

```



```

3366 \or %fi\
3367 }
3368 \newcommand{\tartibi}[1]{%
3369 \expandafter\@tartibi\csname c@#1\endcsname%
3370 }
3371 \newcommand{\@tartibi}[1]{%
3372 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3373 }
3374 \let\tartibinumeral\@tartibi%
3375 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3376 \ifnum\number#1<\@ne%
3377 #3%
3378 \else\ifnum\number#1<1000000000 %
3379 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3380 \else%
3381 \xepersian@numberoutofrange{#1}{#4}%
3382 \fi\fi%
3383 }
3384 \def\xepersian@adadi@tartibi#1#2{%
3385 \expandafter\xepersian@@adadi@tartibi%
3386 \ifcase%
3387 \ifnum#1<10 1%
3388 \else\ifnum#1<100 2%
3389 \else\ifnum#1<\@m 3%
3390 \else\ifnum#1<\@M 4%
3391 \else\ifnum#1<100000 5%
3392 \else\ifnum#1<1000000 6%
3393 \else\ifnum#1<10000000 7%
3394 \else\ifnum#1<100000000 8%
3395 \else9%
3396 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3397 \or00000000#1% case 1: Add 8 leading zeros
3398 \or0000000#1% case 2: Add 7 leading zeros
3399 \or000000#1% case 3: Add 6 leading zeros
3400 \or00000#1% case 4: Add 5 leading zeros
3401 \or0000#1% case 5: Add 4 leading zeros
3402 \or000#1% case 6: Add 3 leading zeros
3403 \or00#1% case 7: Add 2 leading zeros
3404 \or0#1% case 8: Add 1 leading zero
3405 \or#1% case 9: Add no leading zeros
3406 \or%
3407 \@nil#2%
3408 \fi%
3409 }
3410 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3411 \ifnum#1#2#3>\z@
3412 \xepersian@milyoongan@tartibi#1#2#3%
3413 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3414 \fi%
3415 \ifnum#4#5#6>\z@%

```



```

3416 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3417 \ifnum#4#5#6>\@ne \fi%
3418 %
3419 \ifnum#7>\z@ \fi%
3420 \fi%
3421 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3422 }
3423 \def\xepersian@milyoongan@tartibi#1#2#3{%
3424 \ifnum#1#2#3>\@ne%
3425 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3426 %
3427 %
3428 \else%
3429 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3430 %
3431 %
3432 \fi%
3433 }
3434 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3435 \ifnum#1>\z@%
3436 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3437 %
3438 \ifnum#2#3>\z@ \fi%
3439 \fi%
3440 \ifnum#2#3<20%
3441 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3442 \else%
3443 \xepersian@dahgan#2%
3444 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3445 #60%
3446 \fi%
3447 }
3448 \def\xepersian@tartibi#1{%
3449 \ifcase#1 \or or\ or\ or\ %
3450 \or or\ or\ or\ or\ %
3451 \or or\ or\ or\ %
3452 \or or\ or\ %
3453 \or or\ or\ %fi\
3454 }
3455 \def\xepersian@yekanv#1{%
3456 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3457 \or or\ or\ or\ or\ or\ %
3458 \or or\ or\ or\ %
3459 \or or\ %fi\
3460 }
3461 \providecommand*\xpg@warning}[1]{%
3462 \PackageWarning{XePersian}%
3463 {#1}}
3464 \if@bidi@csundef{@abjad}{%
3465 \def\@abjad#1{%

```





```

3466 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3467 \else
3468 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3469 \else
3470 \ifnum#1<10\expandafter\abj@num@i\number#1%
3471 \else
3472 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3473 \else
3474 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3475 \else
3476 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3477 \fi
3478 \fi
3479 \fi
3480 \fi
3481 \fi
3482 \fi
3483 }
3484 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3485 \let\abjadnumeral\@abjad
3486 \def\abjad@zero{}
3487 \def\abj@num@i#1{%
3488 \ifcase#1\or or\ or\ or\ %
3489 \or or\ or\ or\ or\ fi\
3490 \ifnum#1=\z@\abjad@zero\fi}
3491 \def\abj@num@ii#1{%
3492 \ifcase#1\or or\ or\ or\ or\ %
3493 \or or\ or\ or\ fi\
3494 \ifnum#1=\z@\fi\abj@num@i}
3495 \def\abj@num@iii#1{%
3496 \ifcase#1\or or\ or\ or\ or\ %
3497 \or or\ or\ or\ fi\
3498 \ifnum#1=\z@\fi\abj@num@ii}
3499 \def\abj@num@iv#1{%
3500 \ifcase#1\or fi\
3501 \ifnum#1=\z@\fi\abj@num@iii}
3502 }{}
3503 \let\@latinalph\@alph%
3504 \let\@latinAlph\@Alph%
3505 \def\LatinAlphs{%
3506 \let\@alph\@latinalph%
3507 \let\@Alph\@latinAlph%
3508 }
3509 \bidi@AfterEndPreamble{%
3510 \if@bidi@csundef{persianfont}{%
3511 \PackageError{xepersian}{You have not specified any font\MessageBreak
3512 for the main Persian text}{Use '\settextfont' to load a font.}%
3513 }{}
3514 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3515 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}

```



```

3516 \@ifpackageloaded{fontspec-xetex}{\input{fontspec-xetex-xepersian.def}}{}
3517 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3518 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3519 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3520 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3521 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3522 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3523 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3524 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3525 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3526 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3527 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3528 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3529 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3530 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3531 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3532 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}{}}
3533 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3534 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3535 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3536 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3537 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3538 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3539 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3540 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3541 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3542 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3543 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3544 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3545 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3546 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3547 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3548 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3549 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3550 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3551 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3552 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3553 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3554 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3555 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3556 \define@choicekey{xepersian.sty}{mathdigits}{\xepersian@tempa\xepersian@tempb}{automatic,default}
3557 \ifcase\xepersian@tempb\relax
3558 \AutoMathsDigits
3559 \or
3560 \DefaultMathsDigits
3561 \or
3562 \PersianMathsDigits
3563 \fi}
3564 \define@choicekey{xepersian.sty}{RTLdocument}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3565 \ifcase\xepersian@tempb\relax

```



```

3566 \RTLtrue
3567 \or
3568 \RTLfalse
3569 \fi}
3570 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3571 \ifcase\xepersian@tempb\relax
3572 \RTLtrue
3573 \or
3574 \RTLfalse
3575 \fi}
3576 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3577 \ifcase\xepersian@tempb\relax
3578 \autofootnoterule
3579 \or
3580 \leftfootnoterule
3581 \or
3582 \rightfootnoterule
3583 \or
3584 \SplitFootnoteRule
3585 \or
3586 \textwidthfootnoterule
3587 \fi}
3588 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3589 \ifcase\xepersian@tempb\relax
3590 \RTL@footnotetrue
3591 \or
3592 \RTL@footnotefalse
3593 \fi}
3594 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3595 \ifcase\xepersian@tempb\relax
3596 \footdir@debugtrue
3597 \or
3598 \footdir@debugfalse
3599 \fi}
3600 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3601 \ifcase\xepersian@tempb\relax
3602 \input{kashida-xepersian.def}
3603 \fi}
3604 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3605 \ifcase\xepersian@tempb\relax
3606 \input{localise-xepersian.def}
3607 \fi}
3608 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,o
3609 \ifcase\xepersian@tempb\relax
3610 \@extrafootnotefeaturestrue
3611 \or
3612 \@extrafootnotefeaturesfalse
3613 \fi}
3614 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3615 \ifcase\xepersian@tempb\relax

```



```

3616 \PackageWarning{xepersian}{Obsolete option}%
3617 \ifwritexviii%
3618 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3619 \renewcommand\printindex{\newpage%
3620 \immediate\closeout\@indexfile
3621 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3622 \@input@{\jobname.ind}}}%
3623 \else
3624 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3625 \fi
3626 \fi}
3627 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
3628 \ifcase\xepersian@tempb\relax
3629 \ifwritexviii%
3630 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3631 \renewcommand\printindex{\newpage%
3632 \immediate\closeout\@indexfile
3633 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3634 \@input@{\jobname.ind}}}%
3635 \else
3636 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3637 \fi
3638 \fi}
3639 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3640 \ifcase\xepersian@tempb\relax
3641 \ifwritexviii%
3642 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3643 \renewcommand\printindex{\newpage%
3644 \immediate\closeout\@indexfile
3645 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3646 \@input@{\jobname.ind}}}%
3647 \else
3648 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3649 \fi
3650 \fi}
3651 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3652 \ifcase\xepersian@tempb\relax
3653 \def\PersianAlphs{%
3654 \let\@alph\@abjad%
3655 \let\@Alph\@abjad%
3656 }
3657 \or
3658 \def\PersianAlphs{%
3659 \let\@alph\@Abjad%
3660 \let\@Alph\@Abjad%
3661 }
3662 \fi}
3663 \DeclareOptionX{defaultlatinfontfeatures}{%
3664 \defaultfontfeatures
3665 [\latinfont]

```



```

3666 {#1}
3667 }
3668
3669 \ExecuteOptionsX{%
3670     RTLdocument=on,
3671     footnotedirection=righttoleft,
3672     footnoterule=automatic,
3673     abjadvariant=two
3674 }
3675
3676 \ProcessOptionsX
3677
3678 \if@extrafootnotefeatures
3679     \input{extrafootnotefeatures-xetex-bidi.def}
3680     \input{extrafootnotefeatures-xepersian.def}
3681 \fi
3682
3683 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3684 \PersianAlphs

```

## 7.56 xepersian-magazine.cls

```

3685 \NeedsTeXFormat{LaTeX2e}
3686 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3687 \RequirePackage{ifthen}
3688 \newlength{\xepersian@imgsize}
3689 \newlength{\xepersian@coltitsize}
3690 \newlength{\xepersian@pageneed}
3691 \newlength{\xepersian@pageleft}
3692 \newlength{\xepersian@indexwidth}
3693 \newcommand{\xepersian@ncolumns}{0}
3694 \newlength{\columnlines}
3695 \setlength{\columnlines}{0 pt} % no lines by default
3696 \newboolean{xepersian@hyphenatedtitles}
3697 \setboolean{xepersian@hyphenatedtitles}{true}
3698 \newboolean{xepersian@ninepoints}
3699 \setboolean{xepersian@ninepoints}{false}
3700 \newboolean{xepersian@showgrid}
3701 \setboolean{xepersian@showgrid}{false}
3702 \newboolean{xepersian@a3paper}
3703 \setboolean{xepersian@a3paper}{false}
3704 \newboolean{xepersian@insidefrontpage}
3705 \setboolean{xepersian@insidefrontpage}{false}
3706 \newboolean{xepersian@insideweather}
3707 \setboolean{xepersian@insideweather}{false}
3708 \newboolean{xepersian@insideindex}
3709 \setboolean{xepersian@insideindex}{false}
3710 \newcount\xepersian@gridrows
3711 \newcount\xepersian@gridcolumns
3712 \xepersian@gridrows=40

```



```

3713 \xepersian@gridcolumns=50
3714 \newcount\minraggedcols
3715 \minraggedcols=5
3716 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3717 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3718 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3719 \DeclareOption{twocolumn}%
3720 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3721 \DeclareOption{notitlepage}%
3722 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3723 \DeclareOption{twoside}%
3724 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3725 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3726 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3727 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3728 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3729 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3730 \ProcessOptions\relax
3731 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3732 \RequirePackage{ifxetex}
3733 \RequirePackage{multido}
3734 \RequirePackage{datetime}
3735 \RequirePackage{multicol}
3736 \RequirePackage{fancyhdr}
3737 \RequirePackage{fancybox}
3738 \ifthenelse{\boolean{xepersian@a3paper}}{%
3739 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3740 }{
3741 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3742 }
3743 \RequirePackage[absolute]{textpos} % absolute positioning
3744 \RequirePackage{hyphenat} % when hyphenate
3745 \RequirePackage{lastpage} % to know the last page number
3746 \RequirePackage{setspace} % set space between lines
3747 \RequirePackage{ragged2e}
3748 \newcommand{\raggedFormat}{\RaggedLeft}
3749 \AtEndOfClass{\xepersianInit}
3750 \ifthenelse{\boolean{xepersian@showgrid}}{%
3751 \AtBeginDocument{
3752 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3753 \advance\minraggedcols by -1
3754 }{%
3755 \AtBeginDocument{
3756 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3757 \advance\minraggedcols by -1
3758 }
3759 \ifthenelse{\boolean{xepersian@ninepoints}}{
3760 \renewcommand{\normalsize}{%
3761 \setfontsize{\normalsize}{9pt}{10pt}%
3762 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%

```



```

3763 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3764 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3765 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3766
3767 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3768
3769 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3770
3771 \renewcommand{\small}{\%
3772 \@setfontsize{\small}{8pt}{9pt}}%
3773 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3774 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3775 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3776 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3777
3778 \renewcommand{\footnotesize}{\%
3779 \@setfontsize{\footnotesize}{8pt}{9pt}}%
3780 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3781 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3782 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3783 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3784
3785 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3786 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3787 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3788 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3789 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3790 }{}
3791 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3792 \newcommand{\xepersian@wwwFormat}{\sffamily}
3793 \newcommand{\xepersian@www}{\%
3794 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3795 }
3796 \newcommand{\xepersian@edition}{\{
3797 \newcommand{\editionFormat}{\large\bfseries\texttt}
3798 \newcommand{\xepersian@editionLogo}{\%
3799 \raisebox{-3pt}{\%
3800 {\editionFormat\xepersian@edition}%
3801 }%
3802 }
3803 \newcommand{\indexFormat}{\large\bfseries}
3804 \newcommand{\xepersian@indexFrameTitle}[1]
3805 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3806
3807 \newcommand{\indexEntryFormat}{\normalsize}
3808 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3809 {\indexEntryFormat\noindent\ignorespaces{#1}}}%
3810 \end{minipage}}
3811 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3812 \newcommand{\indexEntryPageTxt}{ }

```



```

3813 \newcommand{\indexEntryPageFormat}{\footnotesize}
3814 \newcommand{\xepersian@indexEntryPage}[1]{%
3815 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3816 }
3817 \newcommand{\headDateTimeFormat}{%
3818 \newcommand{\xepersian@headDateTime}{%
3819 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3820 \currenttime %
3821 }
3822 \newcommand{\weatherFormat}{\bfseries}
3823 \newcommand{\xepersian@weather}[1]{%
3824 \noindent{\weatherFormat #1}%
3825 }
3826 \newcommand{\weatherTempFormat}{\small}
3827 \newcommand{\weatherUnits}{\textdegree{C}}
3828 \newcommand{\xepersian@section}[0]{ {
3829 \newcommand{\xepersian@headleft}{%
3830 {\small\bfseries \@custommagazinename} \date
3831 }
3832 \newcommand{\xepersian@headcenter}{%
3833 \xepersian@section{
3834 }
3835 \newcommand{\xepersian@headright}{%
3836 \small\xepersian@edition%
3837 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3838 }
3839
3840 \newcommand{\heading}[3]{%
3841 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3842 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3843 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3844 }
3845 \newcommand{\xepersian@footright}{%
3846 {\footnotesize\lr{\copyright \@customwwwTxt{}}-- - \lr{\XePersian}}%
3847 }
3848 \newcommand{\xepersian@footcenter}{%
3849 }
3850 \newcommand{\xepersian@footleft}{%
3851 }
3852
3853 \newcommand{\foot}[3]{%
3854 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3855 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3856 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3857 }
3858 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3859 \newcommand{\xepersian@firstTitle}[1]{%
3860 {%
3861 \begin{spacing}{2.0}{%
3862 \noindent\ignorespaces

```





```

3863 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3864 {\nohyphens{\firstTitleFormat #1}}%
3865 {\firstTitleFormat #1}}%
3866 }%
3867 \end{spacing}%
3868 }%
3869 }
3870 \newcommand{\firstTextFormat}{}
3871 \newcommand{\xepersian@firstText}[1]{%
3872 {\noindent\ignorespaces\firstTextFormat #1}%
3873 }
3874 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3875 \newcommand{\xepersian@secondTitle}[1]{%
3876 \begin{spacing}{1.5}{%
3877 \noindent\ignorespaces\flushright
3878 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3879 {\nohyphens{\secondTitleFormat #1}}%
3880 {\secondTitleFormat #1}}%
3881 }\end{spacing}%
3882 }
3883 \newcommand{\secondSubtitleFormat}{\large}
3884 \newcommand{\xepersian@secondSubtitle}[1]{%
3885 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3886 }
3887 \newcommand{\secondTextFormat}{}
3888 \newcommand{\xepersian@secondText}[1]{%
3889 \begin{multicols}{2}
3890 {\noindent\ignorespaces\secondTextFormat #1}
3891 \end{multicols}
3892 }
3893 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3894 \newcommand{\xepersian@thirdTitle}[1]{%
3895 \begin{spacing}{1.5}{%
3896 \noindent\ignorespaces\flushright
3897 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3898 {\nohyphens{\thirdTitleFormat #1}}%
3899 {\thirdTitleFormat #1}}%
3900 }\end{spacing}%
3901 }
3902 \newcommand{\thirdSubtitleFormat}{\large}
3903 \newcommand{\xepersian@thirdSubtitle}[1]{%
3904 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3905 \newcommand{\thirdTextFormat}{}
3906 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3907 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3908 \newcommand{\xepersian@pictureCaption}[1]{%
3909 {\noindent\pictureCaptionFormat #1}%
3910 }
3911 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3912 \newcommand{\xepersian@pages}[1]{%

```



```

3913 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3914 \newcommand{\innerTitleFormat}{\Huge}
3915 \newcommand{\xepersian@innerTitle}[1]{%
3916 \begin{flushright}{%
3917 \noindent
3918 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3919 {\nohyphens{\innerTitleFormat #1}}%
3920 {\{\innerTitleFormat #1}}%
3921 }%
3922 \\\%
3923 \end{flushright}}%
3924 }
3925 \newcommand{\innerSubtitleFormat}{\large}
3926 \newcommand{\xepersian@innerSubtitle}[1]{\{\innerSubtitleFormat #1}}
3927 \newcommand{\timestampTxt}{%
3928 \newcommand{\timestampSeparator}{|}
3929 \newcommand{\timestampFormat}{\small}
3930 \newcommand{\timestamp}[1]{%
3931 {\timestampFormat%
3932 #1~\timestampTxt}%
3933 }~\timestampSeparator}%
3934 }
3935 \newcommand{\innerAuthorFormat}{\footnotesize}
3936 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3937 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3938 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3939 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3940 \newcommand{\editorialAuthorFormat}{\textsc}
3941 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3942 \newcommand{\xepersian@shortarticleTitle}[1]{\{\shortarticleTitleFormat #1}}
3943 \newcommand{\shortarticleSubtitleFormat}{\Large}
3944 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1}}
3945 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3946 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1}}
3947 \renewcommand{\maketitle}{\begin{titlepage}%
3948 \let\footnotesize\small
3949 \let\footnoterule\relax
3950 \let\footnote\thanks
3951 \null\vfil
3952 \vskip 60\p@
3953 \begin{center}%
3954 {\LARGE \@title \par}%
3955 \vskip 1em%
3956 {\LARGE «\xepersian@edition» \par}%
3957 \vskip 3em%
3958 {\large
3959 \lineskip .75em%
3960 \begin{tabular}[t]{c}%
3961 \@author
3962 \end{tabular}\par}%

```



```

3963      \vskip 1.5em%
3964      {\large \@date \par}%
3965      \end{center}\par
3966      \@thanks
3967      \vfil\null
3968      \end{titlepage}%
3969      \setcounter{footnote}{0}%
3970      \global\let\thanks\relax
3971      \global\let\maketitle\relax
3972      \global\let\@thanks\@empty
3973      \global\let\@author\@empty
3974      \global\let\@date\@empty
3975      \global\let\@title\@empty
3976      \global\let\title\relax
3977      \global\let\author\relax
3978      \global\let\date\relax
3979      \global\let\and\relax
3980 }
3981 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3982 \newsavebox{\xepersian@fmbox}
3983 \newenvironment{xepersian@fmpage}[1]
3984 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3985 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3986 \newcommand{\image}[2]{
3987   \vspace{5pt}
3988   \setlength{\fboxsep}{1pt}
3989   \addtolength{\xepersian@imgsize}{\columnwidth}
3990   \addtolength{\xepersian@imgsize}{-1\columnsep}
3991   \ifxetex
3992     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3993     \addtolength{\xepersian@pageneed}{50pt}
3994     \ClassWarning{xepersian-magazine}{%
3995       Image #1 needs: \the\xepersian@pageneed \space %
3996       and there is left: \the\page@free\space%
3997     }
3998     \ifdim \xepersian@pageneed < \page@free
3999
4000     {\centering\fbox{%
4001       \includegraphics[width = \xepersian@imgsize,
4002       height = \xepersian@imgsize,
4003       keepaspectratio ]{#1}}}
4004     \xepersian@pictureCaption{#2}
4005
4006     \vspace{5pt}
4007   \else
4008     \ClassWarning{Image #1 needs more space!%
4009     It was not inserted!}
4010   \fi
4011 \fi
4012 }

```



```

4013 \textblockorigin{1cm}{1cm}
4014 \newdimen\xepersian@dx
4015 \newdimen\xepersian@dy
4016 \newcount\xepersian@cx
4017 \newcount\xepersian@cy
4018 \newcommand{\grid}[3][ ]{
4019 \xepersian@dx=\textwidth%
4020 \xepersian@dy=\textheight%
4021 \xepersian@cx=#3% %columns
4022 \xepersian@cy=#2% %rows
4023
4024 \count1=#3%
4025 \advance\count1 by 1
4026
4027 \count2=#2%
4028 \advance\count2 by 1
4029
4030 \divide\xepersian@dx by #3
4031 \divide\xepersian@dy by #2
4032
4033 \setlength{\TPHorizModule}{\xepersian@dx}
4034 \setlength{\TPVertModule}{\xepersian@dy}
4035
4036 \ifthenelse{\equal{#1}{show}}{
4037 \multido{\xepersian@nrow=0+1}{\count2}{
4038 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4039 \rule[0pt]{\textwidth}{.1pt}
4040 \end{textblock}
4041 }
4042
4043 \multido{\xepersian@ncol=0+1}{\count1}{
4044 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4045 \rule[0pt]{.1pt}{\textheight}
4046 \end{textblock}
4047 }
4048 }{}
4049 }
4050 \newcommand{\xepersianInit}{
4051 \setlength{\headheight}{14pt}
4052 \renewcommand{\headrulewidth}{0.4pt}
4053
4054 \pagestyle{fancy}
4055
4056 \setlength{\columnseprule}{\columnlines}
4057 \setlength{\fboxrule}{0.1 pt}
4058
4059 }
4060
4061 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4062 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}

```



```

4063 \def\custommagazinenam#1{\gdef\@custommagazinenam{\beginR#1\endR}}
4064 \newcommand{\logo}[0]{
4065 %% Heading %%
4066 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4067
4068 \vspace*{-3pt}
4069
4070 {\Large\bfseries \@customlogo}
4071 \hrulefill
4072 \hspace{10pt}\xepersian@headDateTime
4073
4074 }
4075 \newcommand{\minilogo}[0]{
4076 {\large\bfseries \@customminilogo}
4077
4078 \vspace*{5pt}
4079 }
4080 \newcommand{\mylogo}[1]{
4081 {\beginR#1\endR}
4082
4083 \noindent
4084 \xepersian@editionLogo\hspace{5pt}
4085 \hrulefill
4086 \hspace{5pt}\xepersian@headDateTime
4087 }
4088 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4089 \newenvironment{frontpage}[0]
4090 {
4091 \setboolean{xepersian@insidefrontpage}{true}
4092 \thispagestyle{empty}
4093 \logo
4094
4095 }%
4096 {
4097 \thispagestyle{empty}
4098 \clearpage
4099 \newpage
4100 \fancyhead{}
4101 \fancyfoot{}
4102 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4103 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4104 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4105 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4106 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4107 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4108 \renewcommand{\headrulewidth}{0.4pt}
4109 \setboolean{xepersian@insidefrontpage}{false}
4110
4111 }
4112 \newcommand{\firstarticle}[3]

```



```

4113 {
4114 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4115 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4116 \begin{textblock}{24}(22,5)
4117 }
4118 {
4119 \begin{textblock}{28}(22,5)
4120 }
4121 \vspace{-7pt}
4122 \xepersian@firstTitle{#1}
4123 \end{textblock}
4124 \begin{textblock}{29}(22,10)
4125 \vspace{5pt plus 2pt minus 2pt}
4126
4127 \xepersian@firstText{\timestamp{#3}~#2}
4128
4129 \end{textblock}
4130
4131 \begin{textblock}{50}(0,15)
4132 \rule{50\TPHorizModule}{.3pt}
4133 \end{textblock}
4134 }{%else
4135 \ClassError{xepersian-magazine}{%
4136 \protect\firstarticle\space in a wrong place.\MessageBreak
4137 \protect\firstarticle\space may only appear inside frontpage environment.
4138 }{%
4139 \protect\firstarticle\space may only appear inside frontpage environment.
4140 }%
4141 }
4142 }
4143 \newcommand{\secondarticle}[5]
4144 {
4145 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4146 \begin{textblock}{33}(2,16)
4147 \xepersian@pages{#4}
4148 \vspace{-5pt}
4149 \xepersian@secondTitle{#1}
4150
4151 \vspace*{5pt}
4152
4153 \xepersian@secondSubtitle{#2}
4154
4155 \vspace*{-7pt}
4156
4157 \xepersian@secondText{\timestamp{#5}~#3}
4158
4159 \end{textblock}
4160
4161 \begin{textblock}{33}(2,25)
4162 \vspace{5pt plus 2pt minus 2pt}

```



```

4163
4164 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4165 \end{textblock}
4166 }{%else
4167 \ClassError{xepersian-magazine}{%
4168 \protect\secondarticle\space in a wrong place.\MessageBreak
4169 \protect\secondarticle\space may only appear inside frontpage environment.
4170 }{%
4171 \protect\secondarticle\space may only appear inside frontpage environment.
4172 }%
4173 }
4174 }
4175 \newcommand{\thirdarticle}[6]
4176 {
4177 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4178 \begin{textblock}{32}(2,26)
4179 \xepersian@pages{#5}
4180 \vspace{-5pt}
4181 \setlength{\fboxsep}{1pt}
4182 \xepersian@thirdTitle{#1}
4183
4184 \vspace*{5pt}
4185
4186 \xepersian@thirdSubtitle{#2}
4187
4188 \vspace*{5pt}
4189
4190 {\noindent\ignorespaces %
4191 \ifthenelse{\equal{#4}{}}{}
4192
4193 \xepersian@thirdText{\timestamp{#6}~#3}
4194
4195 }
4196
4197 \vspace*{5pt}
4198
4199 \end{textblock}
4200 }{%else
4201 \ClassError{xepersian-magazine}{%
4202 \protect\thirdarticle\space in a wrong place.\MessageBreak
4203 \protect\thirdarticle\space may only appear inside frontpage environment.
4204 }{%
4205 \protect\thirdarticle\space may only appear inside frontpage environment.
4206 }%
4207 }
4208 }
4209 \newcommand{\firstimage}[2]
4210 {
4211 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4212 \begin{textblock}{18}(2,5)

```



```

4213 \setlength{\fboxsep}{1pt}
4214 \ifxetex % only in PDF
4215 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4216 \fi
4217
4218 \xepersian@pictureCaption{#2}
4219 \end{textblock}%
4220 }
4221 {\ClassError{xepersian-magazine}{%
4222 \protect\firstimage\space in a wrong place.\MessageBreak
4223 \protect\firstimage\space may only appear inside frontpage environment.
4224 }{%
4225 \protect\firstimage\space may only appear inside frontpage environment.
4226 }}
4227 }%
4228 \newcommand{\weatheritem}[5]{%
4229 \ifthenelse{\boolean{xepersian@insideweather}}{%
4230 \begin{minipage}{45pt}
4231 \ifxetex
4232 \includegraphics[width=40pt]{#1}
4233 \fi
4234 \end{minipage}
4235 \begin{minipage}{50pt}
4236 \weatherTempFormat
4237 #2\\
4238 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4239 #5
4240 \end{minipage}
4241 }{%else
4242 \ClassError{xepersian-magazine}{%
4243 \protect\weatheritem\space in a wrong place.\MessageBreak
4244 \protect\weatheritem\space may only appear inside weatherblock environment.
4245 }{%
4246 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4247 weatherblock environment may only appear inside frontpage environment.
4248 }%
4249 }
4250 }
4251 \newenvironment{weatherblock}[1]
4252 {
4253 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4254 \setboolean{xepersian@insideweather}{true}
4255 \begin{textblock}{32}(2,38)
4256 \vspace*{-15pt}
4257
4258 \xepersian@weather{\beginR#1\endR}
4259
4260 \vspace*{5pt}
4261
4262 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}

```





```

4263 \begin{minipage}{32\TPHorizModule}
4264 \hspace{5pt}
4265
4266 }{%
4267 \ClassError{xepersian-magazine}{%
4268 weatherblock in a wrong place.\MessageBreak
4269 weatherblock may only appear inside frontpage environment.
4270 }{%
4271 weatherblock may only appear inside frontpage environment.
4272 }
4273 }
4274 }%
4275 {
4276 \end{minipage}
4277 \end{xepersian@fmpage}
4278 \end{textblock}
4279 \setboolean{xepersian@insideweather}{false}
4280 }
4281 \newenvironment{authorblock}[0]
4282 {
4283 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4284 \begin{textblock}{15}(36,35)
4285 \setlength{\fboxsep}{5pt}
4286 \begin{xepersian@fmpage}{13\TPHorizModule}
4287 \begin{minipage}{13\TPHorizModule}
4288 \centering
4289 \minilogo
4290
4291 }{%else
4292 \ClassError{xepersian-magazine}{%
4293 authorblock in a wrong place.\MessageBreak
4294 authorblock may only appear inside frontpage environment.
4295 }{%
4296 authorblock may only appear inside frontpage environment.
4297 }
4298 }
4299 }
4300 {
4301 \end{minipage}
4302 \end{xepersian@fmpage}
4303 \end{textblock}
4304 }
4305 \newenvironment{indexblock}[1]
4306 {
4307 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4308 \setboolean{xepersian@insideindex}{true}%let's in
4309 \begin{textblock}{15}(36,16)
4310 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4311 \xepersian@indexFrameTitle{#1}
4312

```



```

4313 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4314 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4315 \begin{minipage}{\xepersian@indexwidth}
4316 \vspace*{10pt}
4317 }{%else
4318 \ClassError{xepersian-magazine}{%
4319 indexblock in a wrong place.\MessageBreak
4320 indexblock may only appear inside frontpage environment.
4321 }{%
4322 indexblock may only appear inside frontpage environment.
4323 }
4324 }
4325 }%
4326 {
4327 \end{minipage}
4328 \end{xepersian@fmpage}
4329 \end{textblock}
4330 \setboolean{xepersian@insideindex}{false}%let's out
4331 }
4332 \newcommand{\indexitem}[2]
4333 {
4334 \ifthenelse{\boolean{xepersian@insideindex}}{
4335 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4336
4337 \vspace{0.5cm}
4338
4339 \noindent\ignorespaces\indexEntrySeparator{
4340 }{%else
4341 \ClassError{xepersian-magazine}{%
4342 \protect\indexitem\space in a wrong place.\MessageBreak
4343 \protect\indexitem\space may only appear inside indexblock environment.
4344 }{%
4345 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4346 indexblock environment may only appear inside frontpage environment.
4347 }%
4348 }
4349 }
4350 \newcommand{\xepersian@inexpandedtitle}[1]{
4351 \begin{minipage}{.95\textwidth}
4352 \begin{center}
4353 \noindent\Large\textbf{\beginR#1\endR}
4354 \end{center}
4355 \end{minipage}
4356 }
4357 \newcommand{\expandedtitle}[2]{
4358 \end{multicols}
4359
4360 \begin{center}
4361 \setlength{\fboxsep}{5pt}
4362 \setlength{\shadowsize}{2pt}

```



```

4363 \ifthenelse{\equal{#1}{shadowbox}}{%
4364 \shadowbox{%
4365 \xepersian@inexpandedtitle{#2}%
4366 }%
4367 }{}
4368 \ifthenelse{\equal{#1}{doublebox}}{%
4369 \doublebox{%
4370 \xepersian@inexpandedtitle{#2}%
4371 }%
4372 }{}
4373 \ifthenelse{\equal{#1}{ovalbox}}{%
4374 \ovalbox{%
4375 \xepersian@inexpandedtitle{#2}%
4376 }%
4377 }{}
4378 \ifthenelse{\equal{#1}{ovalbox}}{%
4379 \Ovalbox{%
4380 \xepersian@inexpandedtitle{#2}%
4381 }%
4382 }{}
4383 \ifthenelse{\equal{#1}{lines}}{
4384 \hrule
4385 \vspace*{8pt}
4386 \begin{center}
4387 \noindent\Large\textbf{#2}
4388 \end{center}
4389 \vspace*{8pt}
4390 \hrule
4391 }{}
4392 \end{center}
4393
4394 \begin{multicols}{\xepersian@ncolumns}
4395 \ifnum \xepersian@ncolumns > \minraggedcols
4396 \raggedFormat
4397 \fi
4398 }
4399 \newcommand{\xepersian@incolumntitle}[2]{
4400 \begin{minipage}{#1}
4401 \begin{center}
4402 \noindent\normalsize\textbf{#2}
4403 \end{center}
4404 \end{minipage}
4405 }
4406
4407 \newcommand{\columnntitle}[2]{
4408 \vspace*{5pt}
4409 \begin{center}
4410 \setlength{\fboxsep}{5pt}
4411 \setlength{\shadowsize}{2pt}
4412 \addtolength{\xepersian@coltitsize}{\columnwidth}

```



```

4413 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4414 \addtolength{\xepersian@coltitsize}{-5pt}
4415 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4416 \ifthenelse{\equal{#1}{shadowbox}}{%
4417 \shadowbox{%
4418 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4419 }%
4420 }{}
4421 \ifthenelse{\equal{#1}{doublebox}}{%
4422 \doublebox{%
4423 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4424 }%
4425 }{}
4426 \ifthenelse{\equal{#1}{ovalbox}}{%
4427 \ovalbox{%
4428 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4429 }%
4430 }{}
4431 \ifthenelse{\equal{#1}{ovalbox}}{%
4432 \Ovalbox{%
4433 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4434 }%
4435 }{}
4436 \ifthenelse{\equal{#1}{lines}}{
4437 \hrule
4438 \vspace*{5pt}
4439 \begin{center}
4440 \noindent\normalsize\textbf{#2}
4441 \end{center}
4442 \vspace*{5pt}
4443 \hrule
4444 }{}
4445 \end{center}
4446 }
4447 \renewcommand{\date}{%
4448 \longdate{\today}%
4449 }
4450 \newcommand{\authorandplace}[2]{%
4451 \rightline{%
4452 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4453 }%
4454 \par %
4455 }
4456 \newcommand{\newsection}[1]{
4457 \renewcommand{\xepersian@section}{#1}
4458 }
4459 \newenvironment{article}[5]
4460 {
4461 \xepersian@say{Adding a new piece of article}
4462 \renewcommand{\xepersian@ncolumns}{#1}

```



```

4463 \begin{multicols}{#1}[
4464 \xepersian@pages{#4}
4465 \xepersian@innerTitle{#2}%
4466 \xepersian@innerSubtitle{#3}%
4467 ] [4cm]%
4468 \label{#5}
4469 \ifnum #1 > \minraggedcols
4470 \raggedFormat
4471 \fi
4472 }
4473 {\~\innerTextFinalMark{}
4474 \end{multicols}
4475 }
4476 \newcommand{\articlesep}{%
4477 \setlength{\xepersian@pageneed}{16000pt}
4478 \setlength\xepersian@pageleft{\pagegoal}
4479 \addtolength\xepersian@pageleft{-\pagetotal}
4480
4481 \xepersian@say{How much left \the\xepersian@pageleft}
4482
4483 \ifdim \xepersian@pageneed < \xepersian@pageleft
4484 \xepersian@say{Not enough space}
4485 \else
4486 \xepersian@say{Adding sep line between articles}
4487 \vspace*{10pt plus 10pt minus 5pt}
4488 \hrule
4489 \vspace*{10pt plus 5pt minus 5pt}
4490 \fi
4491
4492 }
4493 \newcommand{\xepersian@editorialTit}[2]{
4494 \setlength{\arrayrulewidth}{.1pt}
4495 \begin{center}
4496 \begin{tabular}{c}
4497 \noindent
4498 \xepersian@editorialTitle{#1}
4499 \vspace{2pt plus 1pt minus 1pt}
4500 \\
4501 \hline
4502 \vspace{2pt plus 1pt minus 1pt}
4503 \\
4504 \editorialAuthorFormat{#2}
4505 \end{tabular}
4506 \end{center}
4507 }
4508 \newenvironment{editorial}[4]
4509 {
4510 \xepersian@say{Adding a new editorial}
4511 \begin{multicols}{#1}[%
4512 \xepersian@editorialTit{#2}{#3}%

```



```

4513 ] [4cm]
4514 \label{#4}
4515 \ifnum #1 > \minraggedcols
4516 \raggedFormat
4517 \fi
4518 }
4519 {
4520 \end{multicols}
4521 }
4522 \newcommand{\xepersian@shortarticleTit}[2]{
4523 \begin{center}
4524 \vbox{%
4525 \noindent
4526 \xepersian@shortarticleTitle{#1}
4527 \vspace{4pt plus 2pt minus 2pt}
4528 \hrule
4529 \vspace{4pt plus 2pt minus 2pt}
4530 \xepersian@shortarticleSubtitle{#2}
4531 }
4532 \end{center}
4533 }
4534 \newenvironment{shortarticle}[4]
4535 {
4536 \xepersian@say{Adding a short article block}
4537 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4538 \label{#4}
4539 \par %
4540 \ifnum #1 > \minraggedcols
4541 \raggedFormat
4542 \fi
4543 }
4544 {
4545 \end{multicols}
4546 }
4547 \newcommand{\shortarticleitem}[2]{
4548 \goodbreak
4549 \vspace{5pt plus 3pt minus 3pt}
4550 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4551 \vspace{5pt plus 3pt minus 3pt}
4552 {\noindent #2}\\
4553 }

```

## 7.57 xepersian-mathsdigitspec.sty

```

4554 \NeedsTeXFormat{LaTeX2e}
4555 \ProvidesPackage{xepersian-mathsdigitspec}
4556 [2014/11/21 v1.1.0 Unicode Persian maths digits in XeLaTeX]
4557 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4558 \let\newfam\new@mathgroup
4559 \def\select@group#1#2#3#4{%

```



```

4560 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4561 {%
4562 \ifmmode
4563 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4564 \begingroup
4565 \escapechar\m@ne
4566 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4567 \globaldefs\@ne \math@fonts
4568 \endgroup
4569 \init@restore@version
4570 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4571 {\number\csname c@mv@\math@version\endcsname}}}%
4572 \global\advance\csname c@mv@\math@version\endcsname\@ne
4573 \else
4574 \let#1\relax
4575 \@latex@error{Too many math alphabets used in
4576 version \math@version}%
4577 \@eha
4578 \fi
4579 \else \expandafter\non@alpherr\fi
4580 #1{#4}%
4581 }%
4582 }
4583 \def\document@select@group#1#2#3#4{%
4584 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4585 {%
4586 \ifmmode
4587 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4588 \begingroup
4589 \escapechar\m@ne
4590 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4591 \globaldefs\@ne \math@fonts
4592 \endgroup
4593 \expandafter\extract@alph@from@version
4594 \csname mv@\math@version\expandafter\endcsname
4595 \expandafter{\number\csname
4596 c@mv@\math@version\endcsname}%
4597 #1%
4598 \global\advance\csname c@mv@\math@version\endcsname\@ne
4599 \else
4600 \let#1\relax
4601 \@latex@error{Too many math alphabets used
4602 in version \math@version}%
4603 \@eha
4604 \fi
4605 \else \expandafter\non@alpherr\fi
4606 #1{#4}%
4607 }%
4608 }
4609 \ExplSyntaxOn

```



```

4610 \bool_set_false:N \g__fontspec_math_bool
4611 \tl_map_inline:nn
4612 {
4613   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4614   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4615   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4616   \version@list\version@elt\alpha@list\alpha@elt
4617   \restore@mathversion\init@restore@version\dorestore@version\process@table
4618   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4619   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
4620   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4621   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4622   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4623   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4624   \set@@mathdelimiter\DeclareMathRadical\mathchar@type
4625   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4626 }
4627 {
4628   \tl_remove_once:Nn \@preamblecmds {\do#1}
4629 }
4630 \ExplSyntaxOff
4631 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4632 \newcommand\SetMathCode[4]{%
4633   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4634 \newcommand\SetMathCharDef[4]{%
4635   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4636 \ExplSyntaxOn
4637 \cs_new_eq:NN \orig_mathbf:n \mathbf
4638 \cs_new_eq:NN \orig_mathit:n \mathit
4639 \cs_new_eq:NN \orig_mathrm:n \mathrm
4640 \cs_new_eq:NN \orig_mathsf:n \mathsf
4641 \cs_new_eq:NN \orig_mathtt:n \mathtt
4642 \NewDocumentCommand \new@mathbf { m } {
4643   \orig_mathbf:n {
4644     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4645       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4646     }
4647     #1
4648   }
4649 }
4650 \NewDocumentCommand \new@mathit { m } {
4651   \orig_mathit:n {
4652     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4653       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4654     }
4655     #1
4656   }
4657 }
4658 \NewDocumentCommand \new@mathrm { m } {
4659   \orig_mathrm:n {

```





```

4660 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4661 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4662 }
4663 #1
4664 }
4665 }
4666 \NewDocumentCommand \new@mathsf{ m } {
4667 \orig_mathsf:n {
4668 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4669 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4670 }
4671 #1
4672 }
4673 }
4674 \NewDocumentCommand \new@mathhtt{ m } {
4675 \orig_mathhtt:n {
4676 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4677 \mathcode ##1 = \numexpr "100 * \symnew@mathhtt@font@digits + ##1 \relax
4678 }
4679 #1
4680 }
4681 }
4682 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }{%
4683 \let\glb@currsz\relax
4684 \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1,#3}{#2}
4685 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4686 \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4687 \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4688 \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4689 \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4690 \def\xepersianmathsdigits{%
4691 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4692 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4693 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4694 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4695 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4696 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4697 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4698 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4699 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4700 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4701 \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }
4702 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4703 \cs_set_eq:NN \mathbf \new@mathbf
4704 \cs_set_eq:NN \mathit \new@mathit
4705 \cs_set_eq:NN \mathrm \new@mathrm}
4706 }
4707 \DeclareDocumentCommand \setmathsfdigitfont { 0{ } m 0{ } }
4708 {

```



```

4709 \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1,#3}{#2}
4710 \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4711 \def\persianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4712 }
4713 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4714 {
4715 \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1,#3}{#2}
4716 \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4717 \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4718 }
4719 \ExplSyntaxOff
4720 \ifx\newcommand\undefined\else
4721 \newcommand{\ZifferAn}{}
4722 \fi
4723 \mathchardef\ziffer@DotOri="013A
4724 {\ZifferAn
4725 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4726 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4727 \def\ziffer@check#1#2{%
4728 \ifx\n1\endgroup#1\else
4729 \ifx\n2\endgroup#1\else
4730 \ifx\n3\endgroup#1\else
4731 \ifx\n4\endgroup#1\else
4732 \ifx\n5\endgroup#1\else
4733 \ifx\n6\endgroup#1\else
4734 \ifx\n7\endgroup#1\else
4735 \ifx\n8\endgroup#1\else
4736 \ifx\n9\endgroup#1\else
4737 \ifx\n0\endgroup#1\else
4738 \ifx\n\overline\endgroup#1\else
4739 \endgroup#2%
4740 \fi
4741 \fi
4742 \fi
4743 \fi
4744 \fi
4745 \fi
4746 \fi
4747 \fi
4748 \fi
4749 \fi
4750 \fi}
4751 \mathcode`\.= "8000\relax
4752 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4753 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4754 \def\PersianMathsDigits{\def\SetMathsDigits{%
4755 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4756 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4757 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4758 \def\AutoMathsDigits{\def\SetMathsDigits{%

```



```

4759 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4760 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4761 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}%
4762 \AutoMathsDigits
4763 \everymath\expandafter{\the\everymath\SetMathsDigits}
4764 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

## 7.58 xepersian-multiplechoice.sty

```

4765 \NeedsTeXFormat{LaTeX2e}
4766 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4767           Multiple Choice Questionnaire class for Persian in XeLaTeX]
4768 \RequirePackage{pifont}
4769 \RequirePackage{fullpage}
4770 \RequirePackage{ifthen}
4771 \RequirePackage{calc}
4772 \RequirePackage{verbatim}
4773 \RequirePackage{tabularx}
4774 \def\@headerfont{\bfseries}
4775 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4776 \def\@X{X}
4777 \newcommand\X[1]{\gdef\@X{#1}}
4778 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4779 \newcolumnntype{D}{>{\pbs\centering}X}
4780 \newcolumnntype{Q}{>{\@headerfont}X}
4781
4782 \renewcommand\tabularxcolumn[1]{m{#1}}
4783 \newcommand\makeform@nocorrection{%
4784   \addtocontents{frm}{\protect\end{tabularx}}
4785   \@starttoc{frm}}
4786 \newcommand\makeform@correction{%
4787   \addtocontents{frm}{\protect\end{tabularx}}}
4788 \newcommand\makemask@nocorrection{%
4789   \addtocontents{msk}{\protect\end{tabularx}}
4790   \@starttoc{msk}}
4791 \newcommand\makemask@correction{%
4792   \addtocontents{msk}{\protect\end{tabularx}}}
4793 \newlength\questionspace
4794 \setlength\questionspace{0pt}
4795 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4796 \def\@answerstitlefont{\bfseries}
4797 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4798 \def\@answernumberfont{\bfseries}
4799 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4800 \newcounter{question}\stepcounter{question}
4801 \newcounter{@choice}
4802 \def\@initorchek{%
4803   \xdef\@choices{\the@choice}%
4804   \setcounter{@choice}{1}%
4805   \gdef\@arraydesc{||Q||}%

```



```

4806 \gdef\@headerline{%
4807 \whiledo{\not{\value{@choice}>\@choices}}{
4808 \xdef\@arraydesc{\@arraydesc D]}
4809 \def\@appendheader{\g@addto@macro\@headerline}
4810 \@appendheader{\protect\@headerfont}
4811 \edef\@the@choice{\alph{@choice}}
4812 \expandafter\@appendheader\@the@choice
4813 \stepcounter{@choice}}%
4814 \addtocontents{frm}{%
4815 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4816 \protect\hline
4817 \@headerline\protect\\\protect\hline\protect\hline}%
4818 \addtocontents{msk}{%
4819 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4820 \protect\hline
4821 \@headerline\protect\\\protect\hline\protect\hline}%
4822 \gdef\@initorcheck{%
4823 \ifthenelse{\value{@choice} = \@choices}{}%{
4824 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4825 (\the@choice\space instead of \@choices)}{
4826 Questions must all have the same number of proposed answers.%
4827 \MessageBreak
4828 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4829 \newenvironment{question}[1]{%
4830 %% \begin{question}
4831 \begin{minipage}{\textwidth}
4832 \xdef\@formanswerline{\@questionheader}%
4833 \xdef\@maskanswerline{\@questionheader}%
4834 \fbox{\parbox[c]{\linewidth}{#1}}
4835 \vspace\questionspace\par
4836 {\@answerstitlefont\@answerstitle}
4837 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4838 %% \end{question}
4839 \end{list}
4840 \@initorcheck%
4841 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4842 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4843 \end{minipage}
4844 \stepcounter{question}}
4845 \def\@truesymbol{\ding{52}~}
4846 \def\@falsesymbol{\ding{56}~}
4847 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4848 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4849 \def\@true@nocorrection{\item}
4850 \def\@false@nocorrection{\item}
4851 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4852 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4853 \newcommand\true{%
4854 \xdef\@formanswerline{\@formanswerline&}%
4855 \xdef\@maskanswerline{\@maskanswerline&\@X}%

```



```

4856 \@true}%
4857 \newcommand\false{%
4858   \xdef\@formanswerline{\@formanswerline&}%
4859   \xdef\@maskanswerline{\@maskanswerline&}%
4860   \@false}%
4861 \def\@correctionstyle{\itshape}
4862 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4863 \newenvironment{correction}{\@correctionstyle}{}
4864 \def\@questionheader{ \thequestion}
4865 \answerstyle{ :
4866 \DeclareOption{nocorrection}{%
4867   \let\@true\@true@nocorrection
4868   \let\@false\@false@nocorrection
4869   \let\correction\comment
4870   \let\endcorrection\endcomment
4871   \def\makeform{\makeform@nocorrection}
4872   \def\makemask{\makemask@nocorrection}}
4873 \DeclareOption{correction}{%
4874   \let\@true\@true@correction
4875   \let\@false\@false@correction
4876   \let\correction\@correction
4877   \let\endcorrection\end@correction
4878   \def\makeform{\makeform@correction}
4879   \def\makemask{\makemask@correction}}
4880 \ExecuteOptions{nocorrection}
4881 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4882 \def\@questiontitlefont{\bfseries}
4883 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4884 \newlength\questiontitlespace
4885 \setlength\questiontitlespace{5pt}
4886 \newlength\questionsepspace
4887 \setlength\questionsepspace{20pt}
4888 \gdef\@questionsepspace{0pt}
4889 \let\old@question\question
4890 \let\old@endquestion\endquestion
4891 \renewenvironment{question}[1]{%
4892   %% \begin{question}
4893   \vspace\@questionsepspace
4894   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4895   \nopagebreak\vspace\questiontitlespace\par
4896   \old@question{#1}}{%
4897   %% \end{question}
4898   \old@endquestion
4899   \gdef\@questionsepspace{\questionsepspace}}
4900 \questiontitle{ \thequestion:}
4901 \ProcessOptions

```

## 7.59 xepersian-persiancal.sty

```

4902 \NeedsTeXFormat{LaTeX2e}

```



```

4903 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4904
4905 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4906 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4907 \newcount\XePersian@latini \newcount\XePersian@persiani
4908 \newcount\XePersian@latinii \newcount\XePersian@persianii
4909 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4910 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4911 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4912 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4913 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4914 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4915 \newcount\XePersian@latinix \newcount\XePersian@persianix
4916 \newcount\XePersian@latinx \newcount\XePersian@persianx
4917 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4918 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4919 \newcount\XePersian@persianxiii
4920
4921 \newcount\XePersian@temp
4922 \newcount\XePersian@temptwo
4923 \newcount\XePersian@tempthree
4924 \newcount\XePersian@yModHundred
4925 \newcount\XePersian@thirtytwo
4926 \newcount\XePersian@dn
4927 \newcount\XePersian@sn
4928 \newcount\XePersian@mminusone
4929
4930
4931 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4932 \XePersian@temp=\XePersian@y
4933 \divide\XePersian@temp by 100\relax
4934 \multiply\XePersian@temp by 100\relax
4935 \XePersian@yModHundred=\XePersian@y
4936 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4937 \ifodd\XePersian@yModHundred
4938 \XePersian@leapfalse
4939 \else
4940 \XePersian@temp=\XePersian@yModHundred
4941 \divide\XePersian@temp by 2\relax
4942 \ifodd\XePersian@temp\XePersian@leapfalse
4943 \else
4944 \ifnum\XePersian@yModHundred=0%
4945 \XePersian@temp=\XePersian@y
4946 \divide\XePersian@temp by 400\relax
4947 \multiply\XePersian@temp by 400\relax
4948 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4949 \else\XePersian@leaptrue
4950 \fi
4951 \fi
4952 \fi

```



```

4953 \XePersian@latini=31\relax
4954 \ifXePersian@leap
4955   \XePersian@latinii = 29\relax
4956 \else
4957   \XePersian@latinii = 28\relax
4958 \fi
4959 \XePersian@latiniii = 31\relax
4960 \XePersian@latiniv = 30\relax
4961 \XePersian@latin v = 31\relax
4962 \XePersian@latinvi = 30\relax
4963 \XePersian@latinvii = 31\relax
4964 \XePersian@latinviii = 31\relax
4965 \XePersian@latinix = 30\relax
4966 \XePersian@latinx = 31\relax
4967 \XePersian@latinxi = 30\relax
4968 \XePersian@latinxii = 31\relax
4969 \XePersian@thirtytwo=32\relax
4970 \XePersian@temp=\XePersian@y
4971 \advance\XePersian@temp by -17\relax
4972 \XePersian@temptwo=\XePersian@temp
4973 \divide\XePersian@temptwo by 33\relax
4974 \multiply\XePersian@temptwo by 33\relax
4975 \advance\XePersian@temp by -\XePersian@temptwo
4976 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
4977 \else
4978   \XePersian@temptwo=\XePersian@temp
4979   \divide\XePersian@temptwo by 4\relax
4980   \multiply\XePersian@temptwo by 4\relax
4981   \advance\XePersian@temp by -\XePersian@temptwo
4982   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
4983 \fi
4984 \XePersian@tempthree=\XePersian@y % Number of Leap years
4985 \advance\XePersian@tempthree by -1
4986 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4987 \divide\XePersian@temp by 4\relax
4988 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4989 \divide\XePersian@temptwo by 100\relax
4990 \advance\XePersian@temp by -\XePersian@temptwo
4991 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4992 \divide\XePersian@temptwo by 400\relax
4993 \advance\XePersian@temp by \XePersian@temptwo
4994 \advance\XePersian@tempthree by -611 % Number of Kabise years
4995 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4996 \divide\XePersian@temptwo by 33\relax
4997 \multiply\XePersian@temptwo by 8\relax
4998 \advance\XePersian@temp by -\XePersian@temptwo
4999 \XePersian@temptwo=\XePersian@tempthree %
5000 \divide\XePersian@temptwo by 33\relax
5001 \multiply\XePersian@temptwo by 33\relax
5002 \advance\XePersian@tempthree by -\XePersian@temptwo

```



```

5003 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
5004 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5005 \advance\XePersian@temp by -\XePersian@tempthree
5006 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5007 \XePersian@persiani=31
5008 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5009 \XePersian@persianii = 30\relax
5010 \if\XePersian@kabiseh
5011 \XePersian@persianiii = 30\relax
5012 \else
5013 \XePersian@persianiii = 29\relax
5014 \fi
5015 \XePersian@persianiv = 31\relax
5016 \XePersian@persianv = 31\relax
5017 \XePersian@persianvi = 31\relax
5018 \XePersian@persianvii = 31\relax
5019 \XePersian@persianviii= 31\relax
5020 \XePersian@persianix = 31\relax
5021 \XePersian@persianx = 30\relax
5022 \XePersian@persianxi = 30\relax
5023 \XePersian@persianxii = 30\relax
5024 \XePersian@persianxiii= 30\relax
5025 \XePersian@dn= 0\relax
5026 \XePersian@sn= 0\relax
5027 \XePersian@mminusone=\XePersian@m
5028 \advance\XePersian@mminusone by -1\relax
5029 \XePersian@i=0\relax
5030 \ifnum\XePersian@i < \XePersian@mminusone
5031 \loop
5032 \advance \XePersian@i by 1\relax
5033 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5034 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5035 \fi
5036 \advance \XePersian@dn by \XePersian@d
5037 \XePersian@i=1\relax
5038 \XePersian@sn = \XePersian@persiani
5039 \ifnum \XePersian@sn<\XePersian@dn
5040 \loop
5041 \advance \XePersian@i by 1\relax
5042 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5043 \ifnum \XePersian@sn<\XePersian@dn \repeat
5044 \fi
5045 \ifnum \XePersian@i < 4
5046 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5047 \advance \XePersian@y by -622\relax
5048 \else
5049 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5050 \advance \XePersian@y by -621\relax
5051 \fi
5052 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%

```





```

5053 \endcsname
5054 \ifnum\XePersian@i = 1
5055   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
5056 \else
5057   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5058 \fi
5059 \newcommand*{\persiantoday}{\%
5060 \number\XePersian@d\space%
5061 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5062 }
5063 \let\persianyear\XePersian@y
5064 \let\persianmonth\XePersian@m
5065 \let\persianday\XePersian@d
5066 \def\XePersian@persian@month#1{\ifcase#1\or or\
5067 or\
5068 or\   or\
5069 or\
5070 or\   or\
5071 or\   or\
5072 or\   or\
5073 \fi\

```



## Index

Symbols	
\!	2605
\%	4701
\.	1704, 4725
\@and	3239
\@if@newlist	1498, 1518, 3161, 3214
\@math	333
\@maybeautodot	2820, 2821, 2839, 2854, 2855, 2873, 2884, 2885, 2903
\@par	2132
\@Abjad	3247, 3255, 3256, 3659, 3660
\@Alph	2833, 2867, 2897, 3504, 3507, 3655, 3660
\@DeclareMathDelimiter	4623
\@DeclareMathSizes	4614
\@False	321, 323
\@LTRbidityftesidenote@sidenote	190
\@LTRfootnotetext	50, 66, 112, 127, 202, 209, 1564, 1581, 1774, 1789, 2162
\@LTRmarginparreset	3137
\@Latincitex	179, 180, 2396, 2405, 2595, 3145, 3146
\@Latinfalse	3127
\@Latintrue	3126, 3128, 3132
\@M	337, 1703, 1716, 1798, 3289, 3390, 3476
\@MM	20, 37, 56, 82, 99, 118, 1531, 1550, 1569, 1744, 1761, 1780
\@Mi	333
\@Mii	2055
\@Miii	2057
\@RTL@footnotefalse	3128, 3132, 3592
\@RTL@footnotetrue	3130, 3133, 3590
\@RTLbidityftesidenote@sidenote	217
\@RTLfalse	16, 52, 78, 114, 303, 315, 328, 1527, 1565, 1587, 1620, 1699, 1740, 1776, 3200, 3210, 3568, 3574
\@RTLfootnotetext	31, 65, 93, 126, 229, 236, 1545, 1580, 1755, 1788, 2163
\@RTLtrue	16, 33, 78, 95, 1527, 1546, 1587, 1605, 1699, 1740, 1757, 3200, 3210, 3566, 3572
\@Roman	2835, 2869, 2899
\@SepMark	1811, 1812, 1813, 1814, 1991
\@SetTab	2906
\@True	316, 322
\@X	4776, 4777, 4855
\@abjad	3465, 3484, 3485, 3654, 3655
\@acol	2287, 2295
\@acolampacol	2285, 2287, 2293, 2295
\@adadi	2831, 2865, 2895, 3263, 3265, 3268
\@addamp	2286, 2294
\@addtopreamble	2254
\@alph	2834, 2868, 2898, 2907, 3503, 3506, 3654, 3659
\@ampacol	2285, 2293
\@answernumberfont	4798, 4799, 4837
\@answerstitle	4795, 4836
\@answerstitlefont	4796, 4797, 4836
\@appendheader	4809, 4810, 4812
\@arrayclassz	2285
\@arraydesc	4805, 4808, 4815, 4819
\@arrayrule	2233, 2234, 2235, 2277, 2278, 2279
\@author	3961, 3973
\@autodottrue	2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831,

2832, 2833, 2834, 2835, 2836, 2837, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901	\@chnum . . . . . 2169, 2170, 2171, 2172, 2173, 2174, 2184, 2191, 2205, 2218, 2225, 2241, 2254, 2270, 2271, 2272, 2273, 2274, 2275, 2289, 2297, 2307, 2314, 2336
\@auxout . . . . . 3151	\@choices 4803, 4807, 4823, 4825
\@begin@tempboxa . . . . . 2132	\@cite . . . 2384, 2391, 2403, 2419, 2508, 3148
\@begin@dv . . . . . 3193	\@cite@ofmt . . . . . 3156
\@biblabel . . . . 1700, 2397, 2406	\@citea . . 2424, 2438, 2452, 2461, 2462, 2463, 2468, 2483, 2491, 2492, 2493, 2527, 2543, 2561, 3147, 3149
\@bibsetup . . . . . 2398, 2407	\@citeb . . 2420, 2422, 2424, 2427, 2429, 2430, 2432, 2455, 2486, 2509, 2511, 2513, 2516, 2518, 2519, 2521, 3148, 3150, 3151, 3152, 3155, 3156
\@bibtitlestyle . . . . . 1696	\@citex . . . . . 2395, 2404
\@bidi@list@minipage@parbox@not@nobtr . . . . . 2129, 2151	\@classx . . . . . 2251
\@bidi@list@minipage@parboxtrue . . . . . 2130, 2152	\@classz . . . . . 2251
\@bidi@tuftesidenote@citations . . . . . 192, 219, 246, 253	\@cleartopmattertags . . . . 1834
\@bidi@tuftesidenote@infootnote@cite . . . . . 191, 218, 245, 252	\@colht . . . . . 3215
\@bidi@tuftesidenote@margin@par . . . . . 247, 254	\@correction . . . . . 4876
\@bidi@tuftesidenote@marginfont . . . . . 189	\@correctionstyle . . 4861, 4862, 4863
\@bidi@tuftesidenote@marginnote@font . . . . . 247, 254	\@ctrerr . . . . . 3254, 3259
\@bidi@tuftesidenote@marginnote@justified@font . . . . . 247, 254	\@curbox . . 2062, 2108, 2112, 2351, 2355, 2361, 2365
\@bidi@tuftesidenote@normal@cite . . . . . 212, 239, 249, 256	\@currentlabel . . . . . 22, 39, 58, 84, 101, 120, 1533, 1552, 1571, 1592, 1610, 1625, 1746, 1763, 1782
\@bidi@tuftesidenote@print@citations . . . . . 211, 238, 248, 255	\@currenttext . . . . . 2669, 2671, 2672
\@bidi@tuftesidenote@sidenote@vertical@font . . . . . 194, 196, 202, 209, 221, 223, 229, 236	\@curren . . . . . 4061, 4070
\@bsphack . . . . . 2054	\@custommagazinenam . . . . 3830, 4063
\@capt . . . . . 2042, 2105, 2352, 2362	\@customminilogo . . . . . 4062, 4076
\@cclvi . . . . . 4557, 4563, 4587	\@customwwwTxt . . . . . 3791, 3794, 3846
\@chapapp 136, 269, 280, 287, 299, 1479, 1491, 1997, 2787, 2794, 2801, 2809, 2850, 2880	\@date . . . . . 3964, 3974
\@chclass . . . . . 2167, 2175, 2183, 2198, 2212, 2217, 2232, 2248, 2268, 2276, 2306, 2329, 2343	\@dgroup . . . . . 315
	\@dmath . . . . . 303, 332
	\@doendpe . . . . . 2686
	\@dseries . . . . . 328
	\@eha . . . . . 4577, 4603



<code>\@empty</code> .....	318,	<code>\@footnotemark</code>	202, 209, 229, 236
	1698, 1820, 2049, 2409, 2419,	<code>\@footnotetext</code> ..	14, 64, 76, 125,
	2422, 2508, 2511, 2640, 3147,		1526, 1579, 1738, 1787, 2161
	3150, 3179, 3180, 3182, 3183,	<code>\@for</code> .....	2420, 2509, 3148
	3348, 3354, 3357, 3360, 3456,	<code>\@formanswerline</code> ...	4832, 4841,
	3972, 3973, 3974, 3975		4854, 4858
<code>\@emptytoks</code> .....	317	<code>\@fps</code>	2043, 2044, 2046, 2049, 2066
<code>\@enGroup</code> .....	1366	<code>\@fpsadddefault</code> ....	2047, 2050
<code>\@enLabel</code> ..	1357, 1358, 1359, 1360,	<code>\@freelist</code> .....	2062
	1361, 1362, 1363, 1364	<code>\@gobble</code> ..	1367, 1506, 1507, 1508,
<code>\@enOther</code> .....	1368		3189, 3190, 3191
<code>\@enSpace</code> .....	1365	<code>\@harfi</code> .....	12, 74, 137,
<code>\@end@tempboxa</code> .....	2147		140, 149, 155, 161, 167, 270,
<code>\@endpbox</code> .....	2261, 2262		281, 288, 300, 1469, 1480,
<code>\@enhook</code> .....	1369		1492, 1724, 1998, 2788, 2795,
<code>\@enloop@</code> .....	1356		2802, 2810, 2817, 2830, 2851,
<code>\@entemp</code> ..	1357, 1358, 1359, 1360,		2864, 2881, 2894, 3257, 3260,
	1361, 1362, 1363, 1364, 1365,		3261
	1366, 1367	<code>\@headerfont</code> ..	4774, 4775, 4780,
<code>\@enum@</code> .....	1367		4810
<code>\@evenfoot</code> .....	3177	<code>\@headerline</code> ..	4806, 4809, 4817,
<code>\@evenhead</code> .....	3176		4821
<code>\@extra@b@citeb</code>	2424, 2430, 2432,	<code>\@idxitem</code> .....	1713, 1718
	2455, 2486, 2513, 2519, 2521	<code>\@ifclassloaded</code> .....	
<code>\@extrafootnotefeaturesfalse</code> .			.. 3532, 3533, 3534, 3535,
	..... 3612		3536, 3537, 3538, 3539, 3540,
<code>\@extrafootnotefeaturestrue</code> .			3541, 3542, 3543, 3544, 3545,
	..... 3610		3546, 3547, 3548, 3549, 3550,
<code>\@false</code> .....	4860, 4868, 4875		3551, 3552, 3553, 3554, 3555,
<code>\@false@correction</code> .	4852, 4875		3618, 3630, 3642
<code>\@false@nocorrection</code>	4850, 4868	<code>\@ifdefinable</code> .....	2704, 2706
<code>\@falsesymbol</code> .	4846, 4848, 4852	<code>\@ifdefinitionfileloaded</code>	2039,
<code>\@finalstrut</code> ...	1538, 1557, 1576,		2182, 2215, 2305, 2346, 3514
	1596, 1614, 1629	<code>\@ifempty</code> .....	1799
<code>\@firststampfalse</code> ....	2287, 2295	<code>\@ifnextchar</code> ..	2348, 2589, 2595,
<code>\@firstofone</code> ...	1677, 1678, 2422,		3145
	2511, 3150, 4560, 4584	<code>\@ifnum</code> ..	2526, 2528, 2530, 2537,
<code>\@float@HH</code> .....	2348, 2349		2538, 2541, 2553, 2576, 2578
<code>\@float@Hx</code> .....	2347, 2348	<code>\@ifpackageloaded</code> .....	182,
<code>\@float@</code> .....	2348, 2359		1913, 1917, 2598, 2602, 2694,
<code>\@floatboxreset</code>	2118, 2357, 2367		2702, 3220, 3515, 3516, 3517,
<code>\@floatcapt</code> .....	2352, 2362		3518, 3519, 3520, 3521, 3522,
<code>\@floatpenalty</code>	2055, 2057, 2060		3523, 3524, 3525, 3526, 3527,
<code>\@flstylefalse</code> .....	2354, 2364		3528, 3529, 3530, 3531, 3532
<code>\@flstyletrue</code> .....	2354, 2364	<code>\@ifstar</code> .....	2588
<code>\@fltovf</code> .....	2110		



<code>\@ifundefined</code> . . .	178, 2424, 2430, 2513, 2519, 3152	<code>\@nameuse</code> . . . . .	3171
<code>\@ignoretrue</code> . . . . .	339	<code>\@ne</code> . . . . .	1586, 1604, 1619, 2072, 2078, 2171, 2172, 2175, 2184, 2194, 2195, 2199, 2218, 2228, 2229, 2233, 2234, 2235, 2272, 2273, 2277, 2278, 2279, 2307, 2317, 2318, 2330, 2526, 2538, 2540, 2553, 2561, 3275, 3316, 3323, 3335, 3340, 3376, 3417, 3424, 3436, 3441, 4567, 4572, 4591, 4598
<code>\@iiiminipage</code> . . . . .	2148	<code>\@newlistfalse</code> . . . . .	1499, 3162
<code>\@iiiparbox</code> . . . . .	2126	<code>\@next</code> . . . . .	2062
<code>\@indexfile</code> . . .	3620, 3632, 3644	<code>\@nextchar</code> . . . . .	2190, 2192, 2193, 2194, 2195, 2196, 2197, 2199, 2200, 2201, 2202, 2203, 2206, 2207, 2208, 2209, 2210, 2211, 2224, 2226, 2227, 2228, 2229, 2230, 2231, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2242, 2243, 2244, 2245, 2246, 2247, 2259, 2261, 2262, 2313, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2330, 2331, 2332, 2333, 2334, 2337, 2338, 2339, 2341, 2342
<code>\@indextitlestyle</code> . . . . .	1711	<code>\@nextchar</code> . . . . .	2340
<code>\@initorcheck</code> . .	4802, 4822, 4840	<code>\@nil</code> 2615, 2619, 2620, 2625, 2627, 3306, 3309, 3407, 3410	
<code>\@inlabelfalse</code> . . . . .	306	<code>\@nocument</code> . . . . .	2041
<code>\@input@</code> . . . . .	3622, 3634, 3646	<code>\@noitemerr</code> . . . . .	1706
<code>\@lastchclass</code> . . . . .	2167, 2168, 2184, 2185, 2186, 2187, 2189, 2218, 2219, 2220, 2221, 2223, 2268, 2269, 2285, 2293, 2307, 2308, 2309, 2310, 2312	<code>\@nx</code> . . . . .	1829, 1830
<code>\@latex@error</code> . . . . .	4575, 4601	<code>\@oddfoot</code> . . . . .	3174, 3183
<code>\@latex@warning</code> . . . . .	1706, 3154	<code>\@oddhead</code> . . . . .	3174, 3182
<code>\@latinAlpha</code> . . . . .	3504, 3507	<code>\@onelevel@sanitize</code> . . . . .	2044
<code>\@latinalph</code> . . .	2907, 3503, 3506	<code>\@outputbox</code> . . . . .	1516, 3206
<code>\@listdepth</code> . . . . .	2164	<code>\@outputpage</code> . . . . .	1494, 3157
<code>\@m</code> . . .	1704, 2401, 3149, 3288, 3389, 3474	<code>\@parboxrestore</code> . . . . .	21, 38, 57, 83, 100, 119, 1499, 1532, 1551, 1570, 1591, 1609, 1624, 1745, 1762, 1781, 2117, 2132, 2159, 2356, 2366, 3163
<code>\@mainmatterfalse</code> . . . . .	264, 275, 293, 1473, 2844	<code>\@parboxto</code> . . . . .	2135, 2144
<code>\@makefnmark</code> . . . . .	1731	<code>\@parmoderr</code> . . . . .	2060
<code>\@makefntext</code> . . . . .	24, 41, 60, 86, 103, 122, 1537, 1556, 1575, 1595, 1613, 1628, 1748, 1765, 1784		
<code>\@maketitle</code> . . . . .	1825		
<code>\@maketitle@hook</code> . . . . .	1823		
<code>\@maskanswerline</code> . . . . .	4833, 4842, 4855, 4859		
<code>\@memfront</code> . . . . .	1989		
<code>\@minipagefalse</code> . . . . .	3142		
<code>\@minipagerestore</code> . . . . .	2165		
<code>\@minipagetrue</code> . . . . .	3141		
<code>\@mpLTRfootnotetext</code> . . . . .	1618, 2162		
<code>\@mpRTLfootnotetext</code> . . . . .	1603, 2163		
<code>\@mpargs</code> . . . . .	2154		
<code>\@mpfn</code> . . .	200, 206, 227, 233, 2160		
<code>\@mpfootins</code> . . .	1587, 1588, 1605, 1606, 1620, 1621		
<code>\@mpfootnotetext</code> . . . . .	1585, 2161		
<code>\@mplistdepth</code> . . . . .	2164		
<code>\@namedef</code> . . . . .	2378, 2432, 2521, 2685		



\@pboxswfalse	2128, 2150	\@tartibi	9, 70,
\@pboxswtrue	2142		145, 151, 157, 163, 261, 272,
\@plus	1714, 1792		283, 295, 1465, 1475, 1487,
\@pnumwidth	1805, 1807		1721, 1992, 1993, 2783, 2790,
\@ppsavesec	131		2797, 2805, 2813, 2832, 2846,
\@preamble	2288, 2296		2866, 2876, 2896, 3369, 3371,
\@preamblecmds	4628		3374
\@preamerr	2178, 2212, 2248, 2282,	\@tempa	1357, 1358, 1359, 1360,
	2343		1361, 1362, 1363, 1364, 1365,
\@questionheader	4832, 4833,		1366, 1367, 1368, 1371, 1828,
	4864		1831, 2625, 2627, 2710, 2711,
\@questionsepspace	4888, 4893,		2712, 2713, 2714, 2715, 2716,
	4899		2717, 2718, 2719, 2720
\@questiontitle	4881, 4894	\@tempboxa	2155, 3196, 3203, 3204
\@questiontitlefont	4882, 4883,	\@tempc	2640, 2653, 2663, 2665,
	4894		2666, 2669, 2677
\@resetactivechars	1497, 3160	\@tempcnta	2064, 2070, 2072, 2076,
\@resets@pp	130, 1683, 1684		2078, 2100, 2101, 2107, 2108,
\@restonecolfalse	1709		2252, 2535, 2536, 2537, 2540,
\@restonecoltrue	1709		2541
\@roman	2836, 2870, 2900	\@tempcntb	2105, 2106, 2107
\@safe@activesfalse	2423, 2512	\@tempdima	1800, 1802, 1804, 1806,
\@safe@activetrue	2421, 2510		2131, 2132, 2153, 2157
\@secpenalty	1797	\@tempdimb	2134, 2135
\@setcopyright	1817	\@tempswafalse	2553, 3145
\@setfontsize		\@tempswatrue	2552, 3145
	3761, 3767, 3769, 3772,	\@temptokena	
	3779, 3785, 3786, 3787, 3788,		1826, 1830, 2626, 2633,
	3789		2638, 2644, 2651, 2661, 2675
\@setfpsbit	2082, 2085, 2088,	\@testpach	2167, 2183, 2217, 2268,
	2091, 2094, 2097		2306
\@setminipage	2166	\@tfor	2065, 2710
\@setnobreak	2357, 2367	\@thanks	3966, 3972
\@sharp	2290, 2291, 2292, 2298,	\@the@choice	4811, 4812
	2299, 2300	\@thefnmark	23, 40, 59, 85,
\@smemfront	1990		102, 121, 201, 207, 228, 234,
\@specialpagefalse	3171		1534, 1553, 1572, 1593, 1611,
\@specialstyle	3171		1626, 1733, 1747, 1764, 1783
\@sptoken	1365	\@thefoot	3174, 3177, 3180, 3183,
\@startpbox	2261, 2262		3210
\@startsection	1791	\@thehead	3174, 3176, 3179, 3182,
\@starttoc	3223, 4785, 4790		3200
\@stop	2821, 2855, 2885	\@themargin	1512, 3175, 3177, 3195
\@sx@xepersian@localize@verbatim		\@title	3954, 3975
	2378	\@tocline	1794
\@tabclassz	2293	\@tocpagenum	1807



`\@topnum` ..... 1816  
`\@true` ..... 4856, 4867, 4874  
`\@true@correction` .. 4851, 4874  
`\@true@nocorrection` 4849, 4867  
`\@truesymbol` ... 4845, 4847, 4851  
`\@verbatim` 2375, 2378, 2683, 2685, 2696  
`\@vobeyspaces` ..... 2375, 2683  
`\@warning` ..... 2682  
`\@width` ..... 1728, 1730  
`\@x@xepersian@localize@verbatim` ..... 2375  
`\@xDeclareMathDelimiter` . 4623  
`\@xepersian@info` ... 2945, 2966, 2968  
`\@xfloat` ..... 2040, 2347, 2348  
`\@xp` ..... 1826  
`\@xxDeclareMathDelimiter` 4622  
`\@xxxii` ..... 2106  
`@\` ..... 2019, 2020  
`@` ..... 2015, 2016, 2018  
`@\` ..... 2597  
`]\` ..... 2605  
`\\` .. 1827, 2372, 2605, 3922, 4237, 4238, 4500, 4503, 4552, 4778, 4817, 4821, 4841, 4842  
`\{` ..... 2371, 2605  
`\}` ..... 2371, 2605  
`\]` ..... 2605  
`\^` ..... 2606  
`\_` ..... 1403  
`\|` ..... 4238  
`\~` ..... 2606  
  
`\sqcup` ..... 1638, 1640, 3149, 3312, 3318, 3337, 3343, 3413, 3419, 3438, 3444, 3837, 3846  
  
**A**  
`\abj@num@i` ... 3470, 3487, 3494  
`\abj@num@ii` ... 3472, 3491, 3498  
`\abj@num@iii` ... 3474, 3495, 3501  
`\abj@num@iv` ..... 3476, 3499  
`\Abjad` ..... 3255  
`\abjad` ..... 3484  
  
`\abjad@zero` ..... 3486, 3490  
`\Abjadnumeral` ..... 3256  
`\abjadnumeral` ..... 3485  
`\abovedisplayshortskip` ..... 3764, 3765, 3775, 3776, 3782, 3783  
`\abovedisplayskip` .. 3762, 3763, 3773, 3774, 3780, 3781  
`\abstractname` ..... 3236  
`\active` ..... 2606, 4725  
`\adadi` ... 1358, 2824, 2858, 2888, 3262  
`\adadinumeral` ..... 3268  
`\addfontfeatures` . 303, 315, 328  
`\addpenalty` ..... 1797  
`\addtocontents` 4784, 4787, 4789, 4792, 4814, 4818, 4841, 4842  
`\addtolength` .. 3989, 3990, 3993, 4412, 4413, 4414, 4415, 4479  
`\addtoversion` ..... 4615  
`\addvspace` ..... 1797  
`\adl@argarraydashrule` ... 2235, 2279  
`\adl@arraydashrule` . 2234, 2278  
`\adl@arrayrule` ..... 2233, 2277  
`\adl@box` ..... 2259, 2261, 2262  
`\adl@class@iiiorvii` 2265, 2302  
`\adl@class@start` ... 2264, 2301  
`\adl@endmbox` ..... 2260  
`\adl@putlrc` ..... 2256, 2257, 2258, 2290, 2291, 2292, 2298, 2299, 2300  
`\adl@startmbox` ..... 2259  
`\advance` ..... 1641, 1701, 1804, 2072, 2078, 2101, 2107, 2540, 3753, 3757, 4025, 4028, 4572, 4598, 4936, 4971, 4975, 4981, 4985, 4990, 4993, 4994, 4998, 5002, 5003, 5005, 5006, 5008, 5028, 5032, 5033, 5036, 5041, 5042, 5046, 5047, 5049, 5050, 5052, 5055, 5057  
`\aftergroup` 1501, 1503, 3158, 3166, 3167  
`\ALG@name` ..... 5, 7



`\algorithmicensure` ..... 3  
`\algorithmicrequire` ..... 2  
`\ALGS@name` ..... 6, 7  
`\aliasfontfeature` ..... 1374,  
1929, 1930, 1931, 1932, 1933,  
1934, 1935, 1936, 1937, 1938,  
1939, 1940, 1941, 1942, 1943,  
1944, 1945, 1946, 1947, 1948,  
1949, 1950, 1951, 1952, 1953,  
1954, 1955, 1956, 1957, 1958,  
1959, 1960, 1961, 1962, 1963,  
1964, 1965, 1966, 1967, 1968,  
1969, 1970, 1971, 1972, 1973,  
1974, 1975, 1976, 1977, 1978,  
1979, 1980, 1981  
`\aliasfontfeatureoption` . 1982,  
1983, 1984, 1985, 1986, 1987  
`\alloc@` ..... 4557  
`\Alph` 1360, 1670, 1671, 2826, 2860,  
2890  
`\alph` . 1361, 2827, 2861, 2891, 2914,  
4811, 4837  
`\alpha@elt` ..... 4616  
`\alpha@list` ..... 4616  
`\anappendixtrue` ..... 1999  
`\and` ..... 3979  
`\andify` ..... 1821  
`\answernumberfont` ..... 4799  
`\answerstitle` ..... 4795, 4865  
`\answerstitlefont` ..... 4797  
`\appendix` ..... 10, 71, 146, 152,  
158, 164, 266, 277, 284, 296,  
1466, 1476, 1488, 1667, 1668,  
1722, 1994, 2784, 2791, 2798,  
2806, 2814, 2847, 2877  
`\appendixautorefname` .... 1656  
`\appendixname` ... 11, 73, 136, 269,  
280, 287, 299, 1479, 1491,  
1723, 1997, 2787, 2794, 2801,  
2809, 2850, 2880, 3233  
`\arabic` 1364, 1698, 1811, 1812, 1813,  
1814  
`\arrayrulewidth` ..... 4494  
`\articlesep` ..... 4476  
`\AtBeginDocument` .....  
.... 177, 1666, 1888, 2378,  
2585, 2690, 3751, 3755  
`\AtEndOfClass` ..... 3749  
`\author` ..... 3977  
`\authorandplace` ..... 4450  
`\autofootnoterule` ..... 3578  
`\AutoMathsDigits` ... 3558, 4758,  
4762  

## B

`\backrefpagesname` ..... 169  
`\baselineskip` ... 247, 254, 1509,  
3192, 3207  
`\begin` 2599, 2600, 3132, 3133, 3221,  
3805, 3808, 3861, 3876, 3889,  
3895, 3916, 3947, 3953, 3960,  
3984, 4038, 4044, 4116, 4119,  
4124, 4131, 4146, 4161, 4178,  
4212, 4230, 4235, 4255, 4262,  
4263, 4284, 4286, 4287, 4309,  
4314, 4315, 4351, 4352, 4360,  
4386, 4394, 4400, 4401, 4409,  
4439, 4463, 4495, 4496, 4511,  
4523, 4537, 4815, 4819, 4830,  
4831, 4837, 4892  
`\beginingroup` ..... 205, 232, 311,  
1495, 1798, 1824, 2370, 2587,  
2603, 2683, 2685, 2972, 2974,  
3158, 4564, 4588, 4725  
`\beginL` .. 3142, 3200, 3210, 3837,  
4238  
`\beginR` .. 1727, 3200, 3210, 3841,  
3842, 3843, 3854, 3855, 3856,  
4061, 4062, 4063, 4081, 4102,  
4103, 4104, 4105, 4106, 4107,  
4258, 4353  
`\belowdisplayshortskip` .. 3765,  
3776, 3783  
`\belowdisplayskip` .. 3763, 3774,  
3781  
`\bfseries` . 1793, 2425, 2514, 3152,  
3797, 3803, 3822, 3830, 3858,  
3874, 3893, 3907, 3911, 3936,  
3941, 3945, 4070, 4076, 4774,  
4796, 4798, 4882  
`\bgroup` ... 1366, 2115, 2155, 2356,  
2366, 4560, 4584





<code>\bibliofont</code> .....	1697		1480, 1492, 1998, 2788, 2795,
<code>\bibname</code> .....	3240		2802, 2810, 2851, 2881
<code>\bidi@AfterEndPreamble</code> ..	3509	<code>\c@footnote</code> .....	1833
<code>\bidi@csdefcs</code> .....	954, 1911	<code>\c@mpfootnote</code> ..	1586, 1604, 1619,
<code>\bidi@csletcs</code> 649, 1911, 1915, 1916,			2160
1919, 1920		<code>\c@part</code> .....	9, 70,
<code>\bidi@footdir@footnote</code> 64, 125,			145, 151, 157, 163, 261, 272,
1579, 1787			283, 295, 1465, 1475, 1487,
<code>\bidi@isloaded</code> .....	1882, 1883,		1721, 1993, 2783, 2790, 2797,
1884, 1885, 1886, 1887, 1890,			2805, 2813, 2846, 2876
1893, 1896, 1899, 1902, 1905		<code>\c@section</code> .....	10, 12, 72,
<code>\bidi@mpfootnoterule</code> 1586, 1604,			140, 149, 155, 161, 167, 1469,
1619			1722, 1724, 2817
<code>\bidi@newrobustcmd</code> .	3126, 3127	<code>\c@subsection</code> .....	10, 1722
<code>\bidi@reflect@box</code> .....	3227	<code>\c@tocdepth</code> .....	1795
<code>\blacktriangleleft</code> .	1636, 1638	<code>\catcode</code> .	1909, 2370, 2371, 2372,
<code>\blacktriangleright</code> 1636, 1638			2606, 4725
<code>\bm@b</code> .....	2123	<code>\ccname</code> .....	3242
<code>\bm@c</code> .....	2120	<code>\cdp@elt</code> .....	4613
<code>\bm@l</code> .....	2121	<code>\cdp@list</code> .....	4613
<code>\bm@r</code> .....	2122	<code>\centering</code> ...	4000, 4288, 4779
<code>\bm@s</code> .....	2125	<code>\cftchapname</code> .....	2926
<code>\bm@t</code> .....	2124	<code>\cftfigname</code> .....	2932
<code>\bm@</code> .....	2124	<code>\cftparaname</code> .....	2930
<code>\bm@</code> .....	2122	<code>\cftsecname</code> .....	2927
<code>\bm@</code> .....	2123	<code>\cftsubfigname</code> .....	2933
<code>\bm@</code> .....	2120	<code>\cftsubparaname</code> .....	2931
<code>\bm@</code> .....	2121	<code>\cftsubsecname</code> .....	2928
<code>\bm@</code> .....	2125	<code>\cftsubsubsecname</code> .....	2929
<code>\bool</code> .....	4610	<code>\cftsubtabname</code> .....	2935
<code>\boolean</code> .	3738, 3750, 3759, 3863,	<code>\cfttabname</code> .....	2934
3878, 3897, 3918, 4114, 4115,		<code>\chapterautorefname</code> ....	1657
4145, 4177, 4211, 4229, 4253,		<code>\chaptername</code> .....	73, 3241
4283, 4307, 4334		<code>\chardef</code> ..	1837, 1839, 1840, 1841,
<code>\botmark</code> .....	1521, 3217		1842, 1843, 4557
<code>\box</code> .....	317, 1516, 3204, 3206	<code>\charlist</code> .	1847, 1848, 1850, 1854
<code>\BR@Latincitex</code> .....	170, 180	<code>\citation</code> .....	3151
<code>\BRorg@Latincitex</code> ....	171, 179	<code>\cite</code> .	191, 212, 218, 239, 245, 249,
			252, 256
<b>C</b>			
<code>\C</code> .....	2607	<code>\citenumfont</code> .....	2564
<code>\c</code> ..	4644, 4652, 4660, 4668, 4676	<code>\citeyear</code> .....	2386
<code>\c@book</code> .....	1992	<code>\citeyearpar</code> .....	2386
<code>\c@chapter</code> .....	72,	<code>\ClassError</code> .....	4135,
74, 137, 270, 281, 288, 300,			4167, 4201, 4221, 4242, 4267,
			4292, 4318, 4341, 4824



<code>\ClassWarning</code> .	3720, 3722, 3724,	2852, 2882, 2973, 2976, 2982,
	3994, 4008	2984, 3156, 3255, 3260, 3263,
<code>\cleardoubleoddpaper</code> . . . .	2843	3369, 3484, 4563, 4566, 4571,
<code>\cleardoublepaper</code> . .	69, 263, 274,	4572, 4587, 4590, 4594, 4595,
	292, 1472	4598, 4633, 4635, 5033, 5042,
<code>\clearpage</code> . . . . .	2843, 4098	5052
<code>\closeout</code> . . . .	3620, 3632, 3644	<code>\currenttime</code> . . . . . 3820
<code>\clubpenalty</code> . . . . .	1703	<code>\customlogo</code> . . . . . 4061
<code>\color@begingroup</code> . .	1536, 1555,	<code>\custommagazinename</code> . . . . 4063
	1574, 1594, 1612, 1627, 2156	<code>\customminilogo</code> . . . . . 4062
<code>\color@endbox</code> . . . . .	3201, 3211	<code>\customwwwTxt</code> . . . . . 3791
<code>\color@endgroup</code> 1539, 1558, 1577,		
	1597, 1615, 1630	
<code>\color@hbox</code> . . . . .	3198, 3208	
<code>\color@vbox</code> . . .	2113, 2355, 2365	
<code>\columnlines</code> . .	3694, 3695, 3727,	
	4056	
<code>\columnsep</code> . . . .	1710, 3990, 4413	
<code>\columnseprule</code> . . . .	1710, 4056	
<code>\columntitle</code> . . . . .	4407	
<code>\columnwidth</code> . . . . .	20, 37, 56,	
	82, 99, 118, 1532, 1551, 1570,	
	1590, 1608, 1623, 1726, 1744,	
	1761, 1780, 2116, 2158, 2356,	
	2366, 3989, 4412	
<code>\comment</code> . . . . .	4869	
<code>\contentsname</code> . . . . .	3221, 3230	
<code>\copyright</code> . . . . .	3846	
<code>\correction</code> . . . . .	4869, 4876	
<code>\correctionstyle</code> . . . . .	4862	
<code>\count</code> . . .	2108, 3174, 4024, 4025,	
	4027, 4028, 4037, 4043	
<code>\count@</code> . . . . .	2252	
<code>\cs</code> . . . . .	2693, 2695,	
	3001, 3007, 3010, 3015, 3021,	
	3025, 3026, 3029, 3035, 3041,	
	3047, 4637, 4638, 4639, 4640,	
	4641, 4703, 4704, 4705, 4711,	
	4717	
<code>\csname</code> . . . . .	23,	
	40, 59, 85, 102, 121, 206, 233,	
	1534, 1553, 1572, 1593, 1611,	
	1626, 1747, 1764, 1783, 1800,	
	1912, 2105, 2145, 2350, 2353,	
	2360, 2363, 2380, 2687, 2704,	
	2705, 2706, 2707, 2708, 2818,	
		D
		<code>\dollarbegin</code> . .
		2256, 2257, 2258
		<code>\dollarend</code> . . .
		2256, 2257, 2258
		<code>\date</code> . . . .
		3819, 3830, 3978, 4447
		<code>\datename</code> . . . . .
		3238
		<code>\day</code> . . . . .
		4931
		<code>\decimalseparator</code> . .
		4702, 4752
		<code>\DeclareDocumentCommand</code> . . . . .
		. . .
		1374, 2999, 3013, 3027,
		3039, 3081, 3087, 3093, 3099,
		3105, 3111, 4682, 4707, 4713
		<code>\DeclareMathAccent</code> . . . . .
		4621
		<code>\DeclareMathAlphabet</code> . . . .
		4620
		<code>\DeclareMathDelimiter</code> . . .
		4622
		<code>\DeclareMathRadical</code> . . . .
		4624
		<code>\DeclareMathSizes</code> . . . . .
		4613
		<code>\DeclareMathSymbol</code> . . . . .
		4621
		<code>\DeclareMathVersion</code> . . . .
		4615
		<code>\DeclareOption</code> . . . . .
		3716, 3717,
		3718, 3719, 3721, 3723, 3725,
		3726, 3727, 3728, 3729, 4866,
		4873
		<code>\DeclareOptionX</code> . . . . .
		3663
		<code>\DeclareRobustCommand</code> . . . . .
		. .
		2586, 3004, 3018, 3032,
		3044, 3057, 3060, 3063, 3066,
		3069, 3072, 3144
		<code>\DeclareSymbolFont</code> .
		4618, 4686,
		4687, 4688, 4689, 4710, 4716
		<code>\DeclareSymbolFontAlphabet</code> . .
		. . . . .
		4625
		<code>\DeclareSymbolFontAlphabet@</code> .
		. . . . .
		4625

<code>\DeclareTextFontCommand</code> . . . . .	3487, 3491, 3495, 3499, 3505, 3653, 3658, 3791, 4061, 4062, 4063, 4557, 4559, 4583, 4690,
. . . 3075, 3076, 3077, 3078, 3079, 3080	4711, 4717, 4726, 4727, 4752, 4753, 4754, 4758, 4774, 4776, 4778, 4796, 4798, 4802, 4809, 4845, 4846, 4849, 4850, 4851, 4852, 4861, 4864, 4871, 4872, 4878, 4879, 4882, 5066
<code>\def</code> . . . . . 2, 3, 5, 6, 7, 10, 12, 14, 31, 50, 69, 71, 74, 76, 93, 112, 169, 170, 183, 190, 217, 259, 303, 315, 328, 335, 339, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1494, 1526, 1545, 1564, 1585, 1603, 1618, 1633, 1635, 1637, 1639, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1668, 1679, 1684, 1706, 1709, 1718, 1719, 1720, 1722, 1724, 1725, 1729, 1731, 1738, 1755, 1774, 1791, 1794, 1815, 1827, 1844, 1847, 1849, 1850, 1855, 1879, 1880, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2040, 2042, 2043, 2045, 2126, 2148, 2154, 2160, 2167, 2183, 2217, 2251, 2264, 2265, 2268, 2285, 2293, 2301, 2302, 2306, 2348, 2349, 2352, 2359, 2362, 2375, 2376, 2385, 2388, 2400, 2401, 2411, 2414, 2427, 2442, 2472, 2504, 2508, 2533, 2595, 2609, 2613, 2615, 2616, 2619, 2625, 2627, 2629, 2645, 2648, 2664, 2665, 2668, 2681, 2683, 2686, 2703, 2937, 2938, 2969, 2970, 2971, 2977, 2978, 2982, 3118, 3122, 3128, 3129, 3130, 3131, 3135, 3136, 3137, 3146, 3149, 3157, 3226, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3255, 3257, 3260, 3269, 3274, 3283, 3309, 3322, 3333, 3347, 3353, 3356, 3359, 3363, 3375, 3384, 3410, 3423, 3434, 3448, 3455, 3465, 3484, 3486,	<code>\def@NAT@last@yr</code> . . . 2543, 2545 <code>\defaultfontfeatures</code> . . . . 3664 <code>\DefaultMathsDigits</code> 3560, 4753 <code>\define@choicekey</code> . . . . . . . . 3556, 3564, 3570, 3576, 3588, 3594, 3600, 3604, 3608, 3614, 3627, 3639, 3651 <code>\define@key</code> . . . . . 2709 <code>\define@mathalphabet</code> . . . . 4615 <code>\define@mathgroup</code> . . . . . 4615 <code>\deflatinfont</code> . . . . . 3039 <code>\defpersianfont</code> . . . . . 3027 <code>\depth</code> . . . . . 2717, 2718 <code>\ding</code> . . . . . 4845, 4846 <code>\display@setup</code> . . . . . 304, 329 <code>\divide</code> . . . . . 4030, 4031, 4933, 4941, 4946, 4973, 4979, 4987, 4989, 4992, 4996, 5000, 5004 <code>\do</code> . 2067, 2420, 2509, 2710, 3148, 4628 <code>\document</code> . . . . . 4764 <code>\document@select@group</code> . . 4583 <code>\dorestore@version</code> . . . . 4617 <code>\dosetclass</code> . . . 1848, 1849, 1853 <code>\doublebox</code> . . . . . 4369, 4422 <code>\dp</code> 19, 36, 55, 81, 98, 117, 1531, 1550, 1569, 1743, 1760, 1779, 3203 <code>\dquad</code> . . . . . 337, 339 <code>\dseries@display@setup</code> . . . 329  <p style="text-align: center;">E</p> <code>\edef</code> 1828, 2135, 2190, 2224, 2288, 2296, 2313, 2422, 2511, 2671, 2945, 2967, 2976, 2979, 3150, 4811 <code>\edition</code> . . . . . 4088



<code>\editionFormat</code> . . . . .	3797, 3800	2544, 2558, 2560, 2563, 2577,
<code>\editorialAuthorFormat</code> . .	3940,	2579, 2590, 2613, 2624, 2637,
	4504	2639, 2642, 2657, 2659, 2665,
<code>\editorialTitleFormat</code> . . .	3938,	2673, 2681, 2708, 2711, 2712,
	3939	2713, 2714, 2715, 2716, 2717,
<code>\else</code> . . . .	2, 3, 5, 7, 16, 25, 78, 87,	2718, 2719, 2822, 2843, 2856,
	138, 169, 259, 307, 337, 1357,	2886, 2910, 2926, 2927, 2928,
	1358, 1359, 1360, 1361, 1362,	2929, 2930, 2931, 2932, 2933,
	1363, 1364, 1365, 1366, 1367,	2934, 2935, 2993, 3176, 3181,
	1483, 1527, 1538, 1586, 1587,	3187, 3200, 3210, 3228, 3229,
	1596, 1636, 1638, 1640, 1650,	3230, 3231, 3232, 3233, 3234,
	1651, 1652, 1653, 1654, 1655,	3235, 3236, 3237, 3238, 3239,
	1656, 1657, 1658, 1659, 1660,	3240, 3241, 3242, 3243, 3244,
	1661, 1662, 1663, 1664, 1665,	3245, 3246, 3254, 3259, 3277,
	1699, 1715, 1740, 1749, 1793,	3279, 3287, 3288, 3289, 3290,
	1796, 1804, 1805, 1821, 1852,	3291, 3292, 3293, 3294, 3312,
	1879, 1880, 1889, 1892, 1895,	3327, 3341, 3354, 3357, 3378,
	1898, 1901, 1904, 2002, 2003,	3380, 3388, 3389, 3390, 3391,
	2004, 2005, 2006, 2007, 2008,	3392, 3393, 3394, 3395, 3413,
	2009, 2010, 2048, 2056, 2061,	3428, 3441, 3442, 3467, 3469,
	2071, 2077, 2130, 2133, 2138,	3471, 3473, 3475, 3623, 3635,
	2139, 2140, 2141, 2142, 2152,	3647, 4007, 4485, 4560, 4573,
	2167, 2168, 2169, 2170, 2171,	4579, 4584, 4599, 4605, 4720,
	2172, 2173, 2174, 2175, 2176,	4728, 4729, 4730, 4731, 4732,
	2177, 2178, 2184, 2185, 2186,	4733, 4734, 4735, 4736, 4737,
	2188, 2189, 2192, 2193, 2194,	4738, 4752, 4755, 4756, 4757,
	2195, 2196, 2197, 2199, 2200,	4759, 4760, 4761, 4939, 4943,
	2201, 2202, 2203, 2206, 2207,	4948, 4949, 4956, 4977, 4982,
	2208, 2209, 2210, 2211, 2218,	5012, 5048, 5056
	2219, 2220, 2222, 2223, 2226,	<code>\empty</code> . . . . . 1851
	2227, 2228, 2229, 2230, 2231,	<code>\enclname</code> . . . . . 3243
	2233, 2234, 2235, 2236, 2237,	<code>\end</code> . 1848, 1849, 1854, 1855, 2599,
	2238, 2239, 2242, 2243, 2244,	2600, 2671, 2682, 3132, 3133,
	2245, 2246, 2247, 2267, 2268,	3224, 3805, 3810, 3867, 3881,
	2269, 2270, 2271, 2272, 2273,	3891, 3900, 3923, 3962, 3965,
	2274, 2275, 2277, 2278, 2279,	3968, 3985, 4040, 4046, 4123,
	2280, 2281, 2282, 2307, 2308,	4129, 4133, 4159, 4165, 4199,
	2309, 2311, 2312, 2315, 2316,	4219, 4234, 4240, 4276, 4277,
	2317, 2318, 2319, 2320, 2321,	4278, 4301, 4302, 4303, 4327,
	2322, 2323, 2324, 2325, 2326,	4328, 4329, 4354, 4355, 4358,
	2327, 2328, 2330, 2331, 2332,	4388, 4392, 4403, 4404, 4441,
	2333, 2334, 2337, 2338, 2339,	4445, 4474, 4505, 4506, 4520,
	2340, 2341, 2342, 2354, 2364,	4532, 4545, 4784, 4787, 4789,
	2389, 2402, 2434, 2439, 2448,	4792, 4838, 4839, 4843, 4897
	2451, 2465, 2469, 2478, 2482,	<code>\end@correction</code> . . . . . 4877
	2485, 2497, 2501, 2502, 2523,	<code>\endcomment</code> . . . . . 4870

<code>\endcorrection</code> . . . . .	4870, 4877	<code>\eqcommand</code>	343, 344, 345, 346, 347,
<code>\endcsname</code> . . . . .	23,		348, 349, 350, 351, 352, 353,
	40, 59, 85, 102, 121, 206, 233,		354, 355, 356, 357, 358, 359,
	1534, 1553, 1572, 1593, 1611,		360, 361, 362, 363, 364, 365,
	1626, 1747, 1764, 1783, 1800,		366, 367, 368, 369, 370, 371,
	1912, 2105, 2145, 2350, 2353,		372, 373, 374, 375, 376, 377,
	2360, 2363, 2380, 2687, 2704,		378, 379, 380, 381, 382, 383,
	2705, 2706, 2707, 2708, 2818,		384, 385, 386, 387, 388, 389,
	2852, 2882, 2973, 2976, 2982,		390, 391, 392, 393, 394, 395,
	2984, 3156, 3255, 3260, 3263,		396, 397, 398, 399, 400, 401,
	3369, 3484, 4563, 4566, 4571,		402, 403, 404, 405, 406, 407,
	4572, 4587, 4590, 4594, 4596,		408, 409, 410, 411, 412, 413,
	4598, 4633, 4635, 5033, 5042,		414, 415, 416, 417, 418, 419,
	5053		420, 421, 422, 423, 424, 425,
<code>\endgroup</code> . . . . .	208,		426, 427, 428, 429, 430, 431,
	235, 1502, 1809, 1832, 2608,		432, 433, 434, 435, 436, 437,
	2686, 2972, 2980, 3158, 3166,		438, 439, 440, 441, 442, 443,
	4568, 4592, 4728, 4729, 4730,		444, 445, 446, 447, 448, 449,
	4731, 4732, 4733, 4734, 4735,		450, 451, 452, 453, 454, 455,
	4736, 4737, 4738, 4739		456, 457, 458, 459, 460, 461,
<code>\endL</code> . . . . .	3200, 3210, 3837, 4238		462, 463, 464, 465, 466, 467,
<code>\endlatin</code> . . . . .	3129		468, 469, 470, 471, 472, 473,
<code>\endlist</code> . . . . .	1707		474, 475, 476, 477, 478, 479,
<code>\endLTR</code> . . . . .	3129		480, 481, 482, 483, 484, 485,
<code>\endMakeFramed</code> . . . . .	1644		486, 487, 488, 489, 490, 491,
<code>\endmath</code> . . . . .	334		492, 493, 494, 495, 496, 497,
<code>\endpersian</code> . . . . .	3131		498, 499, 500, 501, 502, 503,
<code>\endquestion</code> . . . . .	4890		504, 505, 506, 507, 508, 509,
<code>\endR</code>	1728, 3200, 3210, 3841, 3842,		510, 511, 512, 513, 514, 515,
	3843, 3854, 3855, 3856, 4061,		516, 517, 518, 519, 520, 521,
	4062, 4063, 4081, 4102, 4103,		522, 523, 524, 525, 526, 527,
	4104, 4105, 4106, 4107, 4258,		528, 529, 530, 531, 532, 533,
	4353		534, 535, 536, 537, 538, 539,
<code>\endRTL</code> . . . . .	3131		540, 541, 542, 543, 544, 545,
<code>\ends@math</code> . . . . .	334		546, 547, 548, 549, 550, 551,
<code>\endtrivlist</code> . . . . .	2376, 2686		552, 553, 554, 555, 556, 557,
<code>\end</code>	2376, 2380, 2686, 2687		558, 559, 560, 561, 562, 563,
<code>\eq@addpunct</code> . . . . .	339		564, 565, 566, 567, 568, 569,
<code>\eq@group</code> . . . . .	307, 316		570, 571, 572, 573, 574, 575,
<code>\eq@GRP@first@dmath</code> . . . . .	316		576, 577, 578, 579, 580, 581,
<code>\eq@prelim</code> . . . . .	307, 324		582, 583, 584, 585, 586, 587,
<code>\eq@setnumber</code> . . . . .	310		588, 589, 590, 591, 592, 593,
<code>\eq@setup@a</code> . . . . .	312		594, 595, 596, 597, 598, 599,
<code>\eq@startup</code> . . . . .	313		600, 601, 602, 603, 604, 605,
<code>\eq@wdCond</code> . . . . .	331		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, 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,  
787, 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, 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, 1119, 1120, 1121, 1122,  
1123, 1124, 1125, 1126, 1127,  
1128, 1129, 1130, 1131, 1132,  
1133, 1134, 1135, 1136, 1137,  
1138, 1139, 1140, 1141, 1142,



1143, 1144, 1145, 1146, 1147,	1432, 1433, 1434, 1435, 1436,
1148, 1149, 1150, 1151, 1152,	1437, 1438, 1439, 1440, 1441,
1153, 1154, 1155, 1156, 1157,	1442, 1443, 1444, 1445, 1446,
1158, 1159, 1160, 1161, 1162,	1447, 1448, 1449, 1450, 1451,
1163, 1164, 1165, 1166, 1167,	1452, 1454, 1455, 1456, 1457,
1168, 1169, 1170, 1171, 1172,	1458, 1459, 1460, 1461, 1462,
1173, 1174, 1175, 1176, 1177,	1463, 1912
1178, 1179, 1180, 1181, 1182,	<code>\eqstyle</code> . . . . . 309
1183, 1184, 1185, 1186, 1187,	<code>\equal</code> . . . 4036, 4191, 4363, 4368,
1188, 1189, 1190, 1191, 1192,	4373, 4378, 4383, 4416, 4421,
1193, 1194, 1195, 1196, 1197,	4426, 4431, 4436
1198, 1199, 1200, 1201, 1202,	<code>\equationautorefname</code> . . . . 1650
1203, 1204, 1205, 1206, 1207,	<code>\escapechar</code> . . 2975, 4565, 4589
1208, 1209, 1210, 1211, 1212,	<code>\evensidemargin</code> . . . . . 3177
1213, 1214, 1215, 1216, 1217,	<code>\everydisplay</code> . . . . . 304, 4764
1218, 1219, 1220, 1221, 1222,	<code>\everyjob</code> . . . . . 2967, 2968
1223, 1224, 1225, 1226, 1227,	<code>\everymath</code> . . . . . 4763
1228, 1229, 1230, 1231, 1232,	<code>\everypar</code> . . . . . 3142
1233, 1234, 1235, 1236, 1237,	<code>\ExecuteOptions</code> . . . . . 4880
1238, 1239, 1240, 1241, 1242,	<code>\ExecuteOptionsX</code> . . . . . 3669
1243, 1244, 1245, 1246, 1247,	<code>\exp</code> 3004, 3006, 3007, 3018, 3020,
1248, 1249, 1250, 1251, 1252,	3021, 3032, 3034, 3035, 3044,
1253, 1254, 1255, 1256, 1257,	3046, 3047
1258, 1259, 1260, 1261, 1262,	<code>\expandafter</code> . . . . .
1263, 1264, 1265, 1266, 1267,	304, 1848, 1854, 2065, 2066,
1268, 1269, 1270, 1271, 1272,	2190, 2224, 2313, 2350, 2353,
1273, 1274, 1275, 1276, 1277,	2360, 2363, 2380, 2422, 2511,
1278, 1279, 1280, 1281, 1282,	2627, 2632, 2633, 2638, 2643,
1283, 1284, 1285, 1296, 1297,	2644, 2650, 2651, 2652, 2653,
1298, 1299, 1300, 1301, 1302,	2660, 2661, 2662, 2663, 2665,
1303, 1304, 1305, 1306, 1307,	2674, 2675, 2676, 2677, 2687,
1308, 1309, 1310, 1311, 1312,	2704, 2705, 2706, 2707, 2972,
1313, 1314, 1315, 1316, 1317,	2973, 2976, 2979, 2980, 2982,
1318, 1319, 1320, 1321, 1322,	2983, 3150, 3255, 3260, 3263,
1323, 1324, 1325, 1326, 1327,	3278, 3284, 3369, 3379, 3385,
1328, 1329, 1330, 1331, 1332,	3470, 3472, 3474, 3476, 3484,
1333, 1334, 1335, 1336, 1337,	4560, 4579, 4584, 4593, 4594,
1338, 1339, 1340, 1341, 1342,	4595, 4605, 4763, 4764, 4812
1343, 1344, 1345, 1346, 1347,	<code>\expandedtitle</code> . . . . . 4357
1348, 1349, 1350, 1351, 1352,	<code>\ExplSyntaxOff</code> . 1409, 2379, 2701,
1353, 1354, 1911	3117, 4630, 4719
<code>\eqenvironment</code> . . . . . 1411,	<code>\ExplSyntaxOn</code> . 1373, 2377, 2689,
1412, 1413, 1414, 1415, 1416,	2998, 4609, 4636
1417, 1418, 1419, 1420, 1421,	<code>\extract@alph@from@version</code> . .
1422, 1423, 1424, 1425, 1426,	. . . . . 4593
1427, 1428, 1429, 1430, 1431,	



<b>F</b>	
<code>\false</code> . . . . .	4857
<code>\falsesymbol</code> . . . . .	4848
<code>\fancyfoot</code> 4101, 4105, 4106, 4107	
<code>\fancyhead</code> 4100, 4102, 4103, 4104	
<code>\FancyVerbLineautorefname</code> 1663	
<code>\fbox</code> 3985, 4000, 4215, 4834, 4894	
<code>\fboxrule</code> . 1633, 1635, 1637, 1639,	
4057	
<code>\fboxsep</code> . . . . . 1633, 1635,	
1637, 1639, 3988, 4181, 4213,	
4285, 4313, 4361, 4410	
<code>\fi</code> 2, 3, 5, 7, 16, 25, 78, 87, 141, 169,	
174, 259, 303, 305, 306, 307,	
315, 326, 328, 337, 1370,	
1483, 1527, 1538, 1586, 1587,	
1596, 1604, 1619, 1636, 1638,	
1640, 1650, 1651, 1652, 1653,	
1654, 1655, 1656, 1657, 1658,	
1659, 1660, 1661, 1662, 1663,	
1664, 1665, 1699, 1709, 1715,	
1718, 1719, 1720, 1740, 1749,	
1793, 1804, 1805, 1810, 1822,	
1853, 1879, 1880, 1891, 1894,	
1897, 1900, 1903, 1906, 2002,	
2003, 2004, 2005, 2006, 2007,	
2008, 2009, 2010, 2051, 2052,	
2058, 2073, 2074, 2079, 2080,	
2083, 2086, 2089, 2092, 2095,	
2098, 2102, 2103, 2111, 2129,	
2130, 2136, 2143, 2146, 2151,	
2152, 2171, 2172, 2173, 2174,	
2178, 2179, 2180, 2194, 2195,	
2196, 2197, 2212, 2213, 2228,	
2229, 2230, 2231, 2248, 2249,	
2263, 2272, 2273, 2274, 2275,	
2282, 2283, 2287, 2292, 2295,	
2300, 2303, 2317, 2318, 2319,	
2320, 2343, 2344, 2354, 2364,	
2376, 2394, 2412, 2433, 2435,	
2446, 2450, 2459, 2460, 2464,	
2476, 2481, 2485, 2489, 2490,	
2494, 2499, 2500, 2501, 2502,	
2522, 2524, 2546, 2554, 2562,	
2563, 2572, 2573, 2579, 2582,	
2592, 2613, 2628, 2646, 2666,	
2679, 2682, 2708, 2720, 2823,	
2824, 2825, 2826, 2827, 2828,	
2829, 2830, 2831, 2832, 2833,	
2834, 2835, 2836, 2837, 2838,	
2843, 2857, 2858, 2859, 2860,	
2861, 2862, 2863, 2864, 2865,	
2866, 2867, 2868, 2869, 2870,	
2871, 2872, 2887, 2888, 2889,	
2890, 2891, 2892, 2893, 2894,	
2895, 2896, 2897, 2898, 2899,	
2900, 2901, 2902, 2912, 2926,	
2927, 2928, 2929, 2930, 2931,	
2932, 2933, 2934, 2935, 2986,	
2987, 2995, 3151, 3172, 3178,	
3179, 3180, 3182, 3183, 3184,	
3187, 3200, 3210, 3228, 3229,	
3230, 3231, 3232, 3233, 3234,	
3235, 3236, 3237, 3238, 3239,	
3240, 3241, 3242, 3243, 3244,	
3245, 3246, 3254, 3259, 3281,	
3295, 3307, 3312, 3313, 3316,	
3318, 3319, 3331, 3335, 3337,	
3338, 3340, 3343, 3345, 3351,	
3354, 3357, 3361, 3366, 3382,	
3396, 3408, 3413, 3414, 3417,	
3419, 3420, 3432, 3436, 3438,	
3439, 3441, 3444, 3446, 3453,	
3459, 3477, 3478, 3479, 3480,	
3481, 3482, 3489, 3490, 3493,	
3494, 3497, 3498, 3500, 3501,	
3563, 3569, 3575, 3587, 3593,	
3599, 3603, 3607, 3613, 3625,	
3626, 3637, 3638, 3649, 3650,	
3662, 3681, 4010, 4011, 4216,	
4233, 4397, 4471, 4490, 4517,	
4542, 4560, 4578, 4579, 4584,	
4604, 4605, 4722, 4740, 4741,	
4742, 4743, 4744, 4745, 4746,	
4747, 4748, 4749, 4750, 4752,	
4755, 4756, 4757, 4759, 4760,	
4761, 4948, 4950, 4951, 4952,	
4958, 4982, 4983, 5003, 5014,	
5035, 5044, 5051, 5058, 5073	
<code>\figureautorefname</code> . . . . .	1653
<code>\figurename</code> . . . . .	3228
<code>\finishsetclass</code> . . . . .	1851, 1855





\firstarticle . . . 4112, 4136, 4137,  
4139  
\FirstFrameCommand . . . . . 1635  
\firstimage . . . 4209, 4222, 4223,  
4225  
\firstmark . . . . . 1521, 3217  
\firstTextFormat . . . 3870, 3872  
\firstTitleFormat . . . 3858, 3864,  
3865  
\float@box . . . . . 2351, 2361  
\float@endH . . . . . 2350, 2360  
\floatingpenalty . . . 20, 37, 56,  
82, 99, 118, 1531, 1550, 1569,  
1744, 1761, 1780  
\flushright . . . 3858, 3877, 3896  
\fontencoding . . . 3006, 3020, 3034,  
3046  
\fontfamily 3007, 3021, 3035, 3047,  
3059, 3062, 3065, 3068, 3071,  
3074  
\fontsize . . . . . 1733  
\fontspec 2378, 2696, 3001, 3015,  
3029, 3041, 3083, 3089, 3095,  
3101, 3107, 3113, 4684, 4709,  
4715  
\foot . . . . . 3853  
\footdir@debugfalse . . . . 3598  
\footdir@debugtrue . . . . . 3596  
\footdir@ORG@xepersian@amsart@footnotetext . . . . . 64  
\footdir@ORG@xepersian@amsart@LTrfootnotetext . . . . . 66  
\footdir@ORG@xepersian@amsart@RTLfootnotetext . . . . . 65  
\footdir@ORG@xepersian@amsbook@footnotetext . . . . . 125  
\footdir@ORG@xepersian@amsbook@LTrfootnotetext . . . . . 127  
\footdir@ORG@xepersian@amsbook@RTLfootnotetext . . . . . 126  
\footdir@ORG@xepersian@footnotetext . . . . . 1579  
\footdir@ORG@xepersian@imsproc@footnotetext . . . . . 1787  
\footdir@ORG@xepersian@imsproc@LTrfootnotetext . . . . . 1789  
\footdir@ORG@xepersian@imsproc@RTLfootnotetext . . . . . 1788  
\footdir@ORG@xepersian@LTrfootnotetext . . . . . 1581  
\footdir@ORG@xepersian@RTLfootnotetext . . . . . 1580  
\footdir@temp . . . . . 64, 65,  
66, 125, 126, 127, 1579, 1580,  
1581, 1787, 1788, 1789  
\footins . . . 15, 32, 51, 77, 94, 113,  
1526, 1545, 1564, 1739, 1756,  
1775  
\footnote . . . . . 3950  
\footnoteautorefname . . . . . 1651  
\footnoterule . . . . . 3949  
\footnotesep . . . 19, 25, 36, 42, 55,  
61, 81, 87, 98, 104, 117, 123,  
1530, 1538, 1549, 1557, 1568,  
1576, 1596, 1614, 1629, 1728,  
1730, 1743, 1749, 1760, 1766,  
1779, 1785  
\footnotesize . . . . . 17, 34, 53,  
79, 96, 115, 1483, 1484, 1485,  
1528, 1547, 1566, 1589, 1607,  
1622, 1717, 1741, 1758, 1777,  
3778, 3779, 3813, 3846, 3911,  
3935, 3936, 3948  
\footnoteskip . . . . . 3207  
\fonttextfont . . . . . 1483  
\FrameCommand . . . . . 1633  
\FrameRestore . . . . . 1641  
\frenchspacing . . . . . 2375, 2683  
\frenchbmatter . . . 69, 262, 273, 291,  
1471, 2842  
\futurelet . . . . . 2618, 4725



1688, 1997, 1998, 2787, 2788,  
 2794, 2795, 2801, 2802, 2809,  
 2810, 2817, 2850, 2851, 2880,  
 2881, 3791, 4061, 4062, 4063,  
 4725, 4775, 4777, 4795, 4797,  
 4799, 4805, 4806, 4822, 4847,  
 4848, 4862, 4881, 4883, 4888,  
 4899  
 \get@cdp ..... 4619  
 \getanddefine@fonts 4566, 4590  
 \Gin@boolkey ..... 2703  
 \glb@currsize ..... 4683  
 \global ..... 179,  
 180, 306, 316, 317, 318, 319,  
 320, 321, 322, 323, 331, 1498,  
 1499, 1518, 1586, 1587, 1604,  
 1605, 1619, 1620, 2108, 2112,  
 2432, 2521, 3161, 3162, 3171,  
 3214, 3215, 3970, 3971, 3972,  
 3973, 3974, 3975, 3976, 3977,  
 3978, 3979, 4572, 4598  
 \globaldefs ..... 4567, 4591  
 \glossary ..... 1508, 3191  
 \glsaddprotectedpagefmt . 1646,  
 1647, 1648  
 \goodbreak ..... 4548  
 \grid ..... 3752, 3756, 4018  
 \Grot@x ... 2711, 2712, 2713, 2714  
 \Grot@y ... 2715, 2716, 2717, 2718,  
 2719, 2720  
 \group ..... 2696  
 \group@elt ..... 4618  
 \group@list ..... 4618  
 \grp@aligned ..... 322  
 \GRP@box ..... 317  
 \grp@eqs@numbered ..... 321  
 \grp@hasNumber ..... 326  
 \GRP@label ..... 318  
 \grp@linewidth ..... 320  
 \GRP@queue ..... 317  
 \grp@setnumber ..... 326  
 \grp@shiftnumber ..... 323  
 \grp@wdL ..... 319  
 \grp@wdNum ..... 320  
 \grp@wdR ..... 319  
 \grp@wdT ..... 319  
 \gsetlength ... 194, 196, 221, 223  
  
 H  
 \hangindent .... 1718, 1719, 1720  
 \harfi 1357, 1991, 2823, 2857, 2887,  
 3260  
 \harfinumeral ..... 3261  
 \hb@xt@ ..... 3200, 3210  
 \hbox .. 247, 254, 1726, 1733, 1807,  
 2259, 3152, 3226, 3227  
 \headDateTimeFormat 3817, 3819  
 \headerfont ..... 4775  
 \headheight ... 1514, 3196, 4051  
 \heading ..... 3840  
 \headrulewidth ..... 4052, 4108  
 \headsep ..... 1515, 3205  
 \headtoname ..... 3245  
 \height ..... 2715, 2716  
 \hfil 1728, 1807, 2255, 2256, 2257,  
 2258, 2290, 2291, 2292, 2298,  
 2299, 2300, 3179, 3180, 3182,  
 3183  
 \hline 4501, 4816, 4817, 4820, 4821,  
 4841, 4842  
 \hrule 1728, 1730, 1845, 4384, 4390,  
 4437, 4443, 4488, 4528  
 \hrulefill .... 4066, 4071, 4085  
 \hsize ..... 20, 37, 56,  
 82, 99, 118, 1532, 1551, 1570,  
 1590, 1608, 1623, 1641, 1744,  
 1761, 1780, 2116, 2132, 2157,  
 2158, 2356, 2366  
 \hskip 1806, 1845, 2257, 2258, 2300  
 \hspace 1719, 1720, 3819, 3837, 4066,  
 4072, 4084, 4086, 4264  
 \hss ..... 2144  
 \Huge ..... 3789, 3858, 3914  
 \huge ..... 3788  
 \Hy@AlphNoErr ..... 1686, 1688  
 \Hy@appendixstring . 1672, 1690  
 \Hy@backout ..... 175, 183  
 \Hy@chapapp ..... 1672, 1690  
 \HyOrg@appendix .... 1667, 1673  
 \HyOrg@resets@pp ... 1683, 1691  
 \hyper@natlinkbreak 2454, 2485  
 \hyper@natlinkstart ..... 183



\hyphenpenalty . . . . .	1716, 1798	\if@pboxsw . . . . .	2146
I		\if@RTL . . . . .	2, 3,
\if 307, 326, 2069, 2075, 2081, 2084,			5, 7, 169, 259, 303, 315, 328,
2087, 2090, 2093, 2096, 2099,			1636, 1638, 1640, 1650, 1651,
2130, 2137, 2138, 2139, 2140,			1652, 1653, 1654, 1655, 1656,
2152, 2169, 2170, 2171, 2172,			1657, 1658, 1659, 1660, 1661,
2173, 2174, 2175, 2176, 2177,			1662, 1663, 1664, 1665, 1699,
2178, 2192, 2193, 2194, 2195,			1715, 1718, 1719, 1720, 1793,
2196, 2197, 2199, 2200, 2201,			1804, 1805, 1879, 1880, 2002,
2202, 2203, 2206, 2207, 2208,			2003, 2004, 2005, 2006, 2007,
2209, 2210, 2211, 2226, 2227,			2008, 2009, 2010, 2130, 2152,
2228, 2229, 2230, 2231, 2233,			2926, 2927, 2928, 2929, 2930,
2234, 2235, 2236, 2237, 2238,			2931, 2932, 2933, 2934, 2935,
2239, 2242, 2243, 2244, 2245,			3228, 3229, 3230, 3231, 3232,
2246, 2247, 2270, 2271, 2272,			3233, 3234, 3235, 3236, 3237,
2273, 2274, 2275, 2277, 2278,			3238, 3239, 3240, 3241, 3242,
2279, 2280, 2281, 2282, 2315,			3243, 3244, 3245, 3246
2316, 2317, 2318, 2319, 2320,		\if@RTL@footnote .	16, 25, 78, 87,
2321, 2322, 2323, 2324, 2325,			1483, 1527, 1538, 1586, 1587,
2326, 2327, 2328, 2330, 2331,			1596, 1740, 1749
2332, 2333, 2334, 2337, 2338,		\if@RTLbibitems . . . . .	1699
2339, 2340, 2341, 2342, 2437,		\if@RTLmain . . .	3187, 3200, 3210
2467, 2485, 2495, 2501, 2502,		\if@RTLtab . . . . .	2129,
2563, 2579, 2611, 2631, 2637,			2151, 2171, 2172, 2173, 2174,
2639, 2649, 2657, 2659, 2681,			2194, 2195, 2196, 2197, 2228,
2711, 2712, 2713, 2714, 2715,			2229, 2230, 2231, 2272, 2273,
2716, 2717, 2718, 2719, 2720			2274, 2275, 2317, 2318, 2319,
\if@bidi@algorithmicloaded@ .			2320
. . . . .	1889	\if@specialpage . . . . .	3170
\if@bidi@algorithmloaded@	1892	\if@tempswa . . . . .	2554
\if@bidi@backrefloaded@ .	1895	\if@twocolumn . . . . .	1709
\if@bidi@csprimitive . . . . .	1911	\if@twoside . . . . .	2843, 3173
\if@bidi@csundef . . .	3464, 3510	\ifadl@usingarypkg . . . . .	2216
\if@bidi@enumerateloaded@	1898	\ifbidi@autofootnoterule	1586,
\if@bidi@tocloftloaded@ . .	1901		1604, 1619
\if@bidi@urlloaded@ . . . .	1904	\ifBR@verbose . . . . .	172
\if@chapter@pp . . . . .	134	\ifcase . .	2254, 2285, 2289, 2293,
\if@extrafootnotefeatures	3678		2297, 2436, 2466, 2559, 3248,
\if@filesw . . . . .	3151		3257, 3285, 3348, 3354, 3357,
\if@inlabel . . . . .	306		3360, 3364, 3386, 3449, 3456,
\if@Latin . . . . .	4759, 4760, 4761		3488, 3492, 3496, 3500, 3557,
\if@LTRbibitems . . . . .	1699		3565, 3571, 3577, 3589, 3595,
\if@newlist	1498, 1518, 2376, 3161,		3601, 3605, 3609, 3615, 3628,
	3214		3640, 3652, 5066
\if@noskipsec . . . . .	305	\ifdim . . . . .	336, 3998, 4483
		\ifhmode . . . . .	2053



<code>\ifinner</code> . . . . .	2059		2824, 2825, 2826, 2827, 2828,
<code>\ifmmode</code> . . . . .	2141, 4562, 4586		2829, 2830, 2831, 2832, 2833,
<code>\ifNAT@full</code> . . . . .	2434, 2523		2834, 2835, 2836, 2837, 2855,
<code>\ifNAT@longnames</code> . . .	2430, 2519		2857, 2858, 2859, 2860, 2861,
<code>\ifNAT@numbers</code> . . . .	2383, 2590		2862, 2863, 2864, 2865, 2866,
<code>\ifNAT@super</code> . . . . .	2384		2867, 2868, 2869, 2870, 2871,
<code>\ifNAT@swa</code> 2436, 2501, 2525, 2577			2885, 2887, 2888, 2889, 2890,
<code>\ifnum</code> . . . . .	337, 1586,		2891, 2892, 2893, 2894, 2895,
	1604, 1619, 1795, 2100, 2167,		2896, 2897, 2898, 2899, 2900,
	2168, 2184, 2185, 2186, 2187,		2901, 2973, 2981, 3179, 3180,
	2189, 2218, 2219, 2220, 2221,		3182, 3183, 4560, 4584, 4720,
	2223, 2268, 2269, 2307, 2308,		4728, 4729, 4730, 4731, 4732,
	2309, 2310, 2312, 2908, 2991,		4733, 4734, 4735, 4736, 4737,
	3275, 3277, 3286, 3287, 3288,		4738, 4752, 4755, 4756, 4757,
	3289, 3290, 3291, 3292, 3293,		4759, 4760, 4761
	3310, 3312, 3314, 3316, 3318,	<code>\ifXePersian@kabiseh</code> 4905, 5010	
	3323, 3334, 3335, 3337, 3339,	<code>\ifXePersian@leap</code> . . 4905, 4954	
	3340, 3343, 3376, 3378, 3387,	<code>\ifxetex</code> . . . . . 3991, 4214, 4231	
	3388, 3389, 3390, 3391, 3392,	<code>\ignorespaces</code> . . . . .	
	3393, 3394, 3411, 3413, 3415,		. . . 25, 42, 61, 87, 104, 123,
	3417, 3419, 3424, 3435, 3436,		213, 240, 340, 1538, 1557,
	3438, 3440, 3441, 3444, 3466,		1576, 1596, 1614, 1629, 1749,
	3468, 3470, 3472, 3474, 3476,		1766, 1785, 1827, 2358, 2368,
	3490, 3494, 3498, 3501, 4395,		3085, 3091, 3097, 3103, 3109,
	4469, 4515, 4540, 4563, 4587,		3115, 3809, 3862, 3872, 3877,
	4944, 4948, 4976, 4982, 5003,		3885, 3890, 3896, 3904, 4164,
	5030, 5034, 5039, 5043, 5045,		4190, 4339
	5054	<code>\image</code> . . . . . 3986	
<code>\ifodd</code> 2070, 2076, 3174, 4937, 4942		<code>\immediate</code> 3151, 3620, 3621, 3632,	
<code>\ifthenelse</code> . . . . . 193, 198, 220,		3633, 3644, 3645	
	225, 3738, 3750, 3759, 3863,	<code>\includegraphics</code> 4001, 4215, 4232	
	3878, 3897, 3918, 4036, 4114,	<code>\index</code> . . . . . 1507, 3190	
	4115, 4145, 4177, 4191, 4211,	<code>\indexEntryFormat</code> . . 3807, 3809	
	4229, 4253, 4283, 4307, 4334,	<code>\indexEntryPageFormat</code> 3813, 3815	
	4363, 4368, 4373, 4378, 4383,	<code>\indexEntryPageTxt</code> . 3812, 3815	
	4416, 4421, 4426, 4431, 4436,	<code>\indexEntrySeparator</code> 3811, 4339	
	4823	<code>\indexFormat</code> . . . . . 3803, 3805	
<code>\ifwritexviii</code> . 2990, 3617, 3629,		<code>\indexitem</code> 4332, 4342, 4343, 4345	
3641		<code>\indexname</code> . . . . . 3234	
<code>\ifx</code> . . . . . 1357,		<code>\init@restore@version</code> . . 4569,	
	1358, 1359, 1360, 1361, 1362,	4617	
	1363, 1364, 1365, 1366, 1367,	<code>\innerAuthorFormat</code> . 3935, 4452	
	1820, 1851, 2046, 2049, 2133,	<code>\innerPlaceFormat</code> . . 3936, 4452	
	2353, 2363, 2440, 2441, 2443,	<code>\innerSubtitleFormat</code> 3925, 3926	
	2470, 2471, 2473, 2542, 2560,	<code>\innerTextFinalMark</code> 3937, 4473	
	2620, 2669, 2708, 2821, 2823,		



`\innerTitleFormat` . . 3914, 3919, 3920  
`\input` 1922, 1923, 1924, 1925, 1926, 1927, 1928, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3602, 3606, 3679, 3680  
`\insert` 15, 32, 51, 77, 94, 113, 1526, 1545, 1564, 1739, 1756, 1775  
`\insert@column` 2256, 2257, 2258, 2259, 2261, 2262  
`\int` . 4644, 4652, 4660, 4668, 4676  
`\interfootnotelinepenalty` . . . 18, 35, 54, 80, 97, 116, 1529, 1548, 1567, 1742, 1759, 1778  
`\interlinepenalty` . . . 18, 35, 54, 80, 97, 116, 1529, 1548, 1567, 1742, 1759, 1778  
`\intermath@penalty` . . . . . 339  
`\iranicdefault` . 3053, 3065, 3113  
`\iranicfamily` . 3063, 3064, 3077  
`\isempty` . . . . . 193, 198, 220, 225  
`\item` 1713, 4849, 4850, 4851, 4852  
`\itemautorefname` . . . . . 1652  
`\itshape` . . . . . 4861

## J

`\jobname` . 3621, 3622, 3633, 3634, 3645, 3646

## K

`\KashidaOff` . . . . . 1876  
`\KashidaOn` . . . . . 1875, 1877  
`\kern` 214, 215, 241, 242, 1727, 1728, 1729, 1730, 2388, 3227  
`\keys` . 1376, 1378, 1379, 1382, 1384, 1385, 1388, 1390, 1391, 1394, 1396, 1399  
`\keyval@eq@alias@key` . 1914, 1918

## L

`\l` . . . . . 3010  
`\label` 1506, 3189, 4468, 4514, 4538  
`\labelsep` . . . . . 1697, 1701  
`\labelwidth` . . . . . 1700, 1701  
`\LARGE` . . . 3787, 3874, 3938, 3941, 3954, 3956  
`\Large` . . . 3786, 3893, 3943, 4070, 4353, 4387  
`\large` 3785, 3797, 3803, 3883, 3902, 3925, 3945, 3958, 3964, 4076  
`\LastFrameCommand` . . . . . 1639  
`\lastpenalty` . . . . . 337  
`\lastskip` . . . . . 336  
`\latin` . . . . . 3128  
`\LatinAlphs` . . . 3128, 3132, 3505  
`\Latincite` . . . . . 2586, 3144  
`\latinfont` . . . . . 25, 61, 87, 123, 189, 202, 209, 247, 1483, 1484, 1538, 1576, 1596, 1629, 1749, 1785, 3015, 3018, 3021, 3119, 3121, 3126, 3139, 3665  
`\latintoday` . . . . . 3135  
`\lccode` . . . . . 2605, 2606, 2607  
`\leaders` . . . . . 1845  
`\leavevmode` . . . . 305, 306, 1732, 1806, 2127, 2149, 2376, 3146, 3226  
`\left@footnoterule` . 1586, 1619, 1729  
`\leftfootnoterule` . . . . . 3580  
`\leftmargin` . . . . . 1701  
`\leftskip` . . . . . 1804, 1805  
`\let` . . . . . 11, 73, 179, 180, 191, 212, 218, 239, 245, 249, 252, 256, 316, 318, 321, 322, 323, 329, 334, 1365, 1366, 1367, 1368, 1496, 1498, 1506, 1507, 1508, 1518, 1521, 1586, 1604, 1619, 1667, 1677, 1678, 1683, 1698, 1713, 1723, 1820, 1851, 1853, 2120, 2121, 2122, 2123, 2124, 2125, 2144, 2161, 2162, 2163, 2164, 2233, 2234, 2235, 2277, 2278, 2279, 2347,



2350, 2351, 2360, 2361, 2380, 2384, 2386, 2387, 2390, 2391, 2392, 2393, 2395, 2396, 2397, 2398, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2419, 2428, 2431, 2434, 2435, 2508, 2517, 2520, 2523, 2524, 2532, 2587, 2612, 2623, 2630, 2636, 2640, 2641, 2656, 2658, 2678, 2687, 2705, 2707, 2821, 2855, 2885, 2907, 3119, 3120, 3123, 3124, 3134, 3147, 3159, 3161, 3174, 3175, 3176, 3177, 3179, 3180, 3182, 3183, 3189, 3190, 3191, 3214, 3217, 3256, 3261, 3268, 3374, 3485, 3503, 3504, 3506, 3507, 3654, 3655, 3659, 3660, 3948, 3949, 3950, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 4558, 4574, 4600, 4683, 4778, 4867, 4868, 4869, 4870, 4874, 4875, 4876, 4877, 4889, 4890, 5063, 5064, 5065	\lineskip . . . . . 1510, 3192, 3959 \lineskiplimit . . . . . 1511, 3192 \linespacing . . . . . 1792 \linewidth 4815, 4819, 4834, 4894 \list . . . . . 1700 \listalgorithmname . . . . . 7 \listfigurename . . . . . 3231 \listtablename . . . . . 3232 \LoadClass . . . . . 3731 \logo . . . . . 4064, 4093 \long 14, 31, 50, 76, 93, 112, 190, 217, 1526, 1545, 1564, 1585, 1603, 1618, 1738, 1755, 1774, 2126 \longdate . . . . . 4448 \loop . . . . . 5031, 5040 \lower . . . . . 3226 \lowercase . . . . . 2608 \lr . 1677, 2419, 2508, 3126, 3135, 3148, 3791, 3846, 4238 \LRE . . . . . 3126 \lstlistingname . . . . . 1879 \lstlistlistingname . . . . . 1880	\LTR . . . . . 3128 \LTRbidituftesidenotemarginpar . . . . . 247 \LTRfoottextfont . . . . . 1484 \LTRmarginnote . . . . . 244 \ltx@ifundefined 1669, 1681, 1685  M \m@ne . . . . . 2536, 4565, 4589 \m@th . . . . . 2146 \makeform . . . . . 4871, 4878 \makeform@correction 4786, 4878 \makeform@nocorrection . . 4783, 4871 \MakeFramed . . . . . 1641 \makemask . . . . . 4872, 4879 \makemask@correction 4791, 4879 \makemask@nocorrection . . 4788, 4872 \maketitle . . . . 1815, 3947, 3971 \MakeUppercase . . . . 1830, 3913 \makezwjletter . . . . 1909, 1910 \markboth . . . . . 1829 \math@bgroup . . . . . 4560, 4584 \math@fonts . . . . . 4567, 4591 \math@version . . . . . . . . . . 4563, 4566, 4571, 4572, 4576, 4587, 4590, 4594, 4596, 4598, 4602 \mathalpha 4691, 4692, 4693, 4694, 4695, 4696, 4697, 4698, 4699, 4700 \mathbf . . . . . 4637, 4703 \mathbin . . . . . 4701 \mathchar@type 4624, 4633, 4635 \mathchardef . . . . . 4723 \mathcode 4645, 4653, 4661, 4669, 4677, 4751 \mathgroup . . . . . 4557 \mathiranic . . . . . 3064 \mathit . . . . . 4638, 4704 \mathnavar . . . . . 3067 \mathord . . . . . 4702 \mathpersiansf . . . . . 3058 \mathpersiantt . . . . . 3061 \mathpook . . . . . 3070
---	--	--

$\backslash\mathrm{rm}$  ..... 4639, 4705  
 $\backslash\mathrm{mathsayeh}$  ..... 3073  
 $\backslash\mathrm{mathsf}$  ..... 4640, 4711  
 $\backslash\mathrm{mathsurround}$  ..... 333  
 $\backslash\mathrm{mathtt}$  ..... 4641, 4717  
 $\backslash\mathrm{mbox}$  ..... 2390  
 $\backslash\mathrm{meaning}$  ..... 2976, 2979  
 $\backslash\mathrm{MessageBreak}$  .....  
    ... 2445, 2446, 2475, 2476,  
    3511, 4136, 4168, 4202, 4222,  
    4243, 4246, 4268, 4293, 4319,  
    4342, 4345, 4827  
 $\backslash\mathrm{MidFrameCommand}$  ..... 1637  
 $\backslash\mathrm{minilogo}$  ..... 4075, 4289  
 $\backslash\mathrm{minraggedcols}$  .....  
    ... 3714, 3715, 3753, 3757,  
    4395, 4469, 4515, 4540  
 $\backslash\mathrm{mlftitle}$  ..... 2006  
 $\backslash\mathrm{mltttitle}$  ..... 2007  
 $\backslash\mathrm{month}$  ..... 4931  
 $\backslash\mathrm{moveright}$  ..... 1512, 3195  
 $\backslash\mathrm{mtctitle}$  ..... 2005  
 $\backslash\mathrm{multido}$  ..... 4037, 4043  
 $\backslash\mathrm{multiplefootnotemarker}$  .. 214,  
    215, 241, 242  
 $\backslash\mathrm{multiply}$  2106, 4934, 4947, 4974,  
    4980, 4997, 5001  
 $\backslash\mathrm{mylogo}$  ..... 4080  
  
N  
 $\backslash\mathrm{n}$  .. 4725, 4728, 4729, 4730, 4731,  
    4732, 4733, 4734, 4735, 4736,  
    4737, 4738  
 $\backslash\mathrm{NAT@close}$  ..... 2502, 2581  
 $\backslash\mathrm{NAT@Latin@citetp}$  2589, 2593,  
    2594, 2595  
 $\backslash\mathrm{NAT@open}$  ..... 2485, 2561  
 $\backslash\mathrm{NAT@alias}$  2463, 2493, 2528, 2571  
 $\backslash\mathrm{NAT@all@names}$  2431, 2434, 2520,  
    2523  
 $\backslash\mathrm{NAT@aysep}$  ..... 2455  
 $\backslash\mathrm{NAT@biblabel}$  ..... 2406  
 $\backslash\mathrm{NAT@biblabelnum}$  ..... 2397  
 $\backslash\mathrm{NAT@bibsetnum}$  ..... 2398  
 $\backslash\mathrm{NAT@bibsetup}$  ..... 2407  
 $\backslash\mathrm{NAT@cite}$  ..... 2403  
 $\backslash\mathrm{NAT@cite@list}$  ..... 2420, 2509  
 $\backslash\mathrm{NAT@citea@mbox}$  ..... 2554  
 $\backslash\mathrm{NAT@citenum}$  ..... 2391  
 $\backslash\mathrm{NAT@citesuper}$  ..... 2384  
 $\backslash\mathrm{NAT@citeundefined}$  . 2425, 2515  
 $\backslash\mathrm{NAT@citex}$  ..... 2404  
 $\backslash\mathrm{NAT@citexnum}$  ..... 2395  
 $\backslash\mathrm{NAT@close}$  ..... 2399, 2410  
 $\backslash\mathrm{NAT@cmprs}$  ..... 2530, 2576  
 $\backslash\mathrm{NAT@cmt}$  ..... 2501, 2579  
 $\backslash\mathrm{NAT@ctype}$  2436, 2466, 2526, 2528,  
    2559, 2567, 2569, 2578, 2587  
 $\backslash\mathrm{NAT@date}$  2410, 2427, 2437, 2438,  
    2449, 2457, 2462, 2467, 2480,  
    2487, 2492, 2495, 2502  
 $\backslash\mathrm{NAT@def@citea}$  2464, 2496, 2557  
 $\backslash\mathrm{NAT@def@citea@box}$  ..... 2565  
 $\backslash\mathrm{NAT@def@citea@close}$  .... 2498  
 $\backslash\mathrm{NAT@exlab}$  2443, 2447, 2473, 2477  
 $\backslash\mathrm{NAT@fullfalse}$  ..... 2588  
 $\backslash\mathrm{NAT@fulltrue}$  ..... 2588  
 $\backslash\mathrm{NAT@hyper@}$  2438, 2447, 2449, 2452,  
    2461, 2462, 2463, 2468, 2477,  
    2480, 2483, 2491, 2492, 2493,  
    2528, 2564  
 $\backslash\mathrm{NAT@hyper@citea@space}$  .. 2567,  
    2569, 2571  
 $\backslash\mathrm{NAT@idtxt}$  ..... 2399, 2410  
 $\backslash\mathrm{NAT@ifcat@num}$  ..... 2531, 2534  
 $\backslash\mathrm{NAT@last@nm}$  .. 2428, 2440, 2470,  
    2517, 2560  
 $\backslash\mathrm{NAT@last@num}$  . 2517, 2534, 2535,  
    2553  
 $\backslash\mathrm{NAT@last@yr}$  ... 2428, 2441, 2471,  
    2508, 2542, 2576  
 $\backslash\mathrm{NAT@last@yr@mbox}$  .. 2538, 2548  
 $\backslash\mathrm{NAT@Latin@cites}$  ... 2588, 2589  
 $\backslash\mathrm{NAT@Latin@citex}$  2405, 2413, 2414  
 $\backslash\mathrm{NAT@Latin@citexnum}$  2396, 2503,  
    2504  
 $\backslash\mathrm{NAT@mbox}$  2385, 2390, 2561, 2564,  
    2581  
 $\backslash\mathrm{NAT@merge}$  ..... 2538, 2553  
 $\backslash\mathrm{NAT@name}$  2399, 2410, 2431, 2435,  
    2520, 2524



<code>\NAT@nm</code> . . .	2419, 2428, 2434, 2435, 2438, 2440, 2453, 2461, 2468, 2470, 2484, 2491, 2508, 2517, 2523, 2524, 2532, 2533, 2537, 2541, 2560	<code>\newcolumnntype</code> . . . . .	4779, 4780
<code>\NAT@nmfmt</code>	2438, 2453, 2461, 2468, 2484, 2491	<code>\newcommand</code> . . . . .	1875, 1876, 1909, 1911, 1912, 1914, 1918, 2413, 2503, 2589, 2594, 2914, 3051, 3052, 3053, 3054, 3055, 3056, 3219, 3262, 3265, 3368, 3371, 3693, 3748, 3792, 3793, 3796, 3797, 3798, 3803, 3804, 3807, 3808, 3811, 3812, 3813, 3814, 3817, 3818, 3822, 3823, 3826, 3827, 3828, 3829, 3832, 3835, 3840, 3845, 3848, 3850, 3853, 3858, 3859, 3870, 3871, 3874, 3875, 3883, 3884, 3887, 3888, 3893, 3894, 3902, 3903, 3905, 3906, 3907, 3908, 3911, 3912, 3914, 3915, 3925, 3926, 3927, 3928, 3929, 3930, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3981, 3986, 4018, 4050, 4064, 4075, 4080, 4088, 4112, 4143, 4175, 4209, 4228, 4332, 4350, 4357, 4399, 4407, 4450, 4456, 4476, 4493, 4522, 4547, 4631, 4632, 4634, 4720, 4721, 4775, 4777, 4783, 4786, 4788, 4791, 4795, 4797, 4799, 4847, 4848, 4853, 4857, 4862, 4881, 4883, 5059
<code>\NAT@num</code> .	2399, 2508, 2517, 2531, 2532, 2553, 2564	<code>\newcount</code> . . . . .	3710, 3711, 3714, 4016, 4017, 4906, 4907, 4908, 4909, 4910, 4911, 4912, 4913, 4914, 4915, 4916, 4917, 4918, 4919, 4921, 4922, 4923, 4924, 4925, 4926, 4927, 4928
<code>\NAT@open</code> . . . . .	2399, 2410	<code>\newcounter</code> . . . . .	4800, 4801
<code>\NAT@parse</code> . . . . .	2429, 2518	<code>\newdimen</code> . . . . .	4014, 4015
<code>\NAT@partrue</code> . . . . .	2587	<code>\NewDocumentCommand</code>	4642, 4650, 4658, 4666, 4674
<code>\NAT@penalty</code> . .	2401, 2409, 2545, 2560	<code>\newenvironment</code> . . . . .	. . . 1695, 1912, 2599, 2600, 3132, 3133, 3983, 4089, 4251, 4281, 4305, 4459, 4508, 4534, 4829, 4863
<code>\NAT@reset@citea</code> . . .	2418, 2507	<code>\newfam</code> . . . . .	4558
<code>\NAT@reset@parser</code> . .	2416, 2505		
<code>\NAT@set@cites</code> . . . . .	2382, 2585		
<code>\NAT@sort@cites</code> . . . . .	2417, 2506		
<code>\NAT@space</code>	2387, 2392, 2408, 2560		
<code>\NAT@spacechar</code> . . . . .	. . . 2392, 2399, 2408, 2410, 2448, 2455, 2479, 2485, 2561, 2563		
<code>\NAT@super@kern</code>	2388, 2393, 2561		
<code>\NAT@swafalse</code> . . . . .	2591		
<code>\NAT@swattrue</code> . . . . .	2587		
<code>\NAT@temp</code>	2442, 2443, 2472, 2473		
<code>\NAT@test</code>	2528, 2561, 2567, 2569		
<code>\NAT@year</code> .	2419, 2428, 2441, 2471		
<code>\NAT@yrsep</code> . . .	2440, 2470, 2560		
<code>\natexlab</code> . . . . .	2400, 2411		
<code>\navardefault</code> .	3054, 3068, 3095		
<code>\navarfamily</code> . .	3066, 3067, 3078		
<code>\NeedsTeXFormat</code>	2936, 3685, 4554, 4765, 4902		
<code>\new@mathalphabet</code> . . . . .	4620		
<code>\new@mathbf</code> . . . . .	4642, 4703		
<code>\new@mathgroup</code> .	4557, 4558, 4613		
<code>\new@mathit</code> . . . . .	4650, 4704		
<code>\new@mathrm</code> . . . . .	4658, 4705		
<code>\new@mathsf</code> . . . . .	4666, 4711		
<code>\new@mathtt</code> . . . . .	4674, 4717		
<code>\new@mathversion</code> . . . . .	4618		
<code>\new@symbolfont</code> . . . . .	4619		
<code>\newboolean</code> . .	3696, 3698, 3700, 3702, 3704, 3706, 3708		





<code>\newfontlanguage</code> . . . . .	2997	<code>\not@math@alphabet</code> . . . . .	3058, 3061, 3064, 3067, 3070, 3073
<code>\newfontscript</code> . . . . .	2996	<code>\null</code> . . . . .	3951, 3967
<code>\newif</code> . . . . .	2990, 4905	<code>\number</code> . . . . .	1800, 3275, 3277, 3278, 3376, 3378, 3379, 3470, 3472, 3474, 3476, 4571, 4595, 5060, 5061
<code>\newlength</code> 3688, 3689, 3690, 3691, 3692, 3694, 4793, 4884, 4886		<code>\numexpr</code> . . . . .	4645, 4653, 4661, 4669, 4677
<code>\newmathalphabet</code> . . . . .	4614	<b>O</b>	
<code>\newmathalphabet@@</code> . . . . .	4614	<code>\obeyspaces</code> . . . . .	4725
<code>\newmathalphabet@@@</code> . . . . .	4614	<code>\oddsidemargin</code> . . . . .	3175
<code>\newpage</code> . . . . .	3619, 3631, 3643, 4099	<code>\old@endquestion</code> . . . . .	4890, 4898
<code>\newsavebox</code> . . . . .	3982	<code>\old@question</code> . . . . .	4889, 4896
<code>\newsection</code> . . . . .	4456	<code>\or</code> . . . . .	2256, 2257, 2258, 2260, 2261, 2285, 2286, 2287, 2291, 2292, 2293, 2294, 2295, 2299, 2300, 2461, 2462, 2463, 2491, 2492, 2493, 2566, 2568, 2570, 3248, 3249, 3250, 3251, 3252, 3253, 3257, 3258, 3259, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3309, 3348, 3349, 3350, 3351, 3354, 3357, 3360, 3361, 3364, 3365, 3366, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3410, 3449, 3450, 3451, 3452, 3453, 3456, 3457, 3458, 3459, 3488, 3489, 3492, 3493, 3496, 3497, 3500, 3559, 3561, 3567, 3573, 3579, 3581, 3583, 3585, 3591, 3597, 3611, 3657, 5066, 5067, 5068, 5069, 5070, 5071, 5072
<code>\next</code> . . . . .	1851, 1853, 1854, 2612, 2613, 2614, 2618, 2620, 2623, 2627, 2628, 2630, 2636, 2641, 2645, 2647, 2656, 2658, 2664, 2667, 2671, 2678, 2680		
<code>\nobreak</code> . . . . .	1806, 1808, 1844, 2385		
<code>\noexpand</code> . . . . .	1496, 2611, 2631, 2637, 2639, 2649, 2657, 2659, 2671, 2672, 2681, 3159, 4570		
<code>\nohyphens</code> 3864, 3879, 3898, 3919			
<code>\noindent</code> . . . . .	247, 254, 3809, 3824, 3862, 3872, 3877, 3885, 3890, 3896, 3904, 3909, 3913, 3917, 4066, 4083, 4164, 4190, 4215, 4262, 4339, 4353, 4387, 4402, 4440, 4497, 4525, 4550, 4552		
<code>\non@alpherr</code> . . . . .	4579, 4605		
<code>\nopagebreak</code> . . . . .	4895		
<code>\normalcolor</code> . . . . .	2114, 2355, 2365, 3199, 3209		
<code>\normalfont</code> . . . . .	17, 34, 53, 79, 96, 115, 1697, 1733, 1741, 1758, 1777, 1793, 3011, 3084, 3090, 3096, 3102, 3108, 3114, 3119, 3120, 3123, 3124		
<code>\normalparindent</code> . . . . .	21, 38, 57, 83, 100, 119, 1745, 1762, 1781	<code>\orig</code> . . . . .	4637, 4638, 4639, 4640, 4641, 4643, 4651, 4659, 4667, 4675
<code>\normalsfcodes</code> . . . . .	1505, 3188	<code>\originaltoday</code> . . . . .	3134, 3135
<code>\normalsize</code> 1505, 3140, 3186, 3760, 3761, 3807, 4402, 4440		<code>\Ovalbox</code> . . . . .	4379, 4432
<code>\NOT</code> . . . . .	193, 220	<code>\ovalbox</code> . . . . .	4374, 4427
<code>\not</code> . . . . .	4807	<code>\overline</code> . . . . .	4738



**P**

`\p@` . . . 1710, 1714, 1727, 1728, 1729,  
1730, 2388, 3952  
`\p@enumiv` . . . . . 1698  
`\PackageError` . . . . . 1890,  
1893, 1896, 1899, 1902, 1905,  
3225, 3270, 3511, 3618, 3624,  
3630, 3636, 3642, 3648  
`\PackageInfo` . . . . . 173, 185, 4631  
`\PackageWarning` 2426, 2515, 3462,  
3616  
`\PackageWarningNoLine` . . . 2443,  
2473  
`\page@free` . . . . . 3996, 3998  
`\pageautorefname` . . . . . 1665  
`\pagegoal` . . . . . 4478  
`\pagename` . . . . . 3244  
`\pagenumbering` 69, 265, 276, 294,  
1474, 1990, 2844  
`\pageref` . . . . . 3837, 4335  
`\pagesFormat` . . . . . 3911, 3913  
`\pagestyle` . . . . . 4054  
`\pagetotal` . . . . . 4479  
`\par` . . . . . 10, 25,  
42, 61, 71, 87, 104, 123, 130,  
146, 152, 158, 164, 266, 277,  
284, 296, 954, 1466, 1476,  
1488, 1718, 1719, 1720, 1722,  
1749, 1766, 1785, 1797, 1807,  
1815, 1994, 2784, 2791, 2798,  
2806, 2814, 2847, 2877, 3954,  
3956, 3962, 3964, 3965, 4454,  
4539, 4835, 4895  
`\paragraphautorefname` . . . . 1661  
`\parallel` . . . . . 3819  
`\parbox` . . . . . 4834, 4894  
`\parfillskip` . . . . . 1805  
`\parindent` 21, 38, 57, 83, 100, 119,  
1714, 1745, 1762, 1781, 1804  
`\parskip` . . . . . 1714  
`\part` . . . . . 1791  
`\partautorefname` . . . . . 1655  
`\partname` . . . . . 3237  
`\PassOptionsToClass` 3716, 3717,  
3718  
`\pbs` . . . . . 4778, 4779  
`\pdfstringdefDisableCommands` .  
. . . . . 1676  
`\penalty` . . . 333, 339, 2401, 3149  
`\persian` . . . . . 3130  
`\PersianAlphs` . . 3130, 3133, 3653,  
3658, 3684  
`\persianday` . . . . . 5065  
`\persianfont` 42, 104, 229, 236, 254,  
1485, 1557, 1614, 1766, 3001,  
3004, 3007, 3123, 3125, 3127  
`\PersianMathsDigits` 3562, 4754  
`\persianmathsdigits` 4690, 4755,  
4759  
`\persianmathsfdigits` 4711, 4756,  
4760  
`\persianmathttdigits` 4717, 4757,  
4761  
`\persianmonth` . . . . . 5064  
`\persiansfdefault` . . 3051, 3059,  
3083  
`\persiansffamily` . . 3057, 3058,  
3075  
`\persiantoday` . . . . . 3136, 5059  
`\persianttdefault` . . 3052, 3062,  
3089  
`\persianttfamily` . . . 3060, 3061,  
3076  
`\persianyear` . . . . . 5063  
`\pictureCaptionFormat` . . . 3907,  
3909  
`\plftitle` . . . . . 2003  
`\plq` . . . . . 2970  
`\plttitle` . . . . . 2004  
`\pookdefault` . . . 3055, 3071, 3101  
`\pookfamily` . . 3069, 3070, 3079  
`\postmath` . . . . . 339  
`\PrefixCurrentTab` . . . . . 2914  
`\premath` . . . . . 335  
`\prepnext@tok` . . . . . 2253, 2263  
`\printindex` . . . 3619, 3631, 3643  
`\process@table` . . . . . 4617  
`\ProcessOptions` . . . 3730, 4901  
`\ProcessOptionsX` . . . . . 3676  
`\proofname` . . . . . 3246  
`\protect` . . . . . 1496,  
3159, 4136, 4137, 4139, 4168,



4169, 4171, 4202, 4203, 4205,  
 4222, 4223, 4225, 4243, 4244,  
 4246, 4342, 4343, 4345, 4784,  
 4787, 4789, 4792, 4810, 4815,  
 4816, 4817, 4819, 4820, 4821,  
 4841, 4842  
 \protected@edef . . . . . 22, 39,  
 58, 84, 101, 120, 1533, 1552,  
 1571, 1592, 1610, 1625, 1746,  
 1763, 1782  
 \protected@xdef . . . . . 201, 228  
 \providecommand . . . . . 3461  
 \ProvidesClass . . . . . 3686  
 \ProvidesFile . . . . . 1,  
 4, 8, 68, 129, 144, 150, 156,  
 162, 168, 188, 258, 260, 271,  
 282, 290, 302, 342, 1295,  
 1355, 1372, 1410, 1453, 1464,  
 1470, 1482, 1486, 1493, 1522,  
 1631, 1645, 1649, 1694, 1836,  
 1878, 1881, 1908, 1988, 2001,  
 2011, 2381, 2782, 2789, 2796,  
 2804, 2812, 2841, 2875, 2905,  
 2925  
 \ProvidesPackage . . . 2939, 4555,  
 4766, 4903  
 \prq . . . . . 2969  
 \ptctitle . . . . . 2002  
  
**Q**  
 \question . . . . . 4889  
 \questionsepspace . . 4886, 4887,  
 4899  
 \questionspace . 4793, 4794, 4835  
 \questiontitle . . . . 4881, 4900  
 \questiontitlefont . . . . 4883  
 \questiontitlespace 4884, 4885,  
 4895  
  
**R**  
 \raggedFormat . 3748, 4396, 4470,  
 4516, 4541  
 \RaggedLeft . . . . . 3748  
 \raggedleft . . . . . 1715, 1793  
 \raggedright . . . . . 1715, 1793  
 \raise . . . . . 1733  
  
 \raisebox . . . . . 3794, 3799  
 \refname . . . . . 259, 3235  
 \refstepcounter . . . . 4851, 4852  
 \relax 206, 215, 233, 242, 1697, 1714,  
 1794, 1800, 1802, 1804, 1806,  
 1909, 2101, 2133, 2268, 2269,  
 2290, 2291, 2292, 2353, 2363,  
 2387, 2393, 2437, 2467, 2495,  
 2502, 2508, 2535, 2542, 2553,  
 2708, 2821, 2855, 2885, 2908,  
 2973, 2991, 3557, 3565, 3571,  
 3577, 3589, 3595, 3601, 3605,  
 3609, 3615, 3628, 3640, 3652,  
 3730, 3949, 3970, 3971, 3976,  
 3977, 3978, 3979, 4560, 4574,  
 4584, 4600, 4633, 4635, 4645,  
 4653, 4661, 4669, 4677, 4683,  
 4751, 4933, 4934, 4936, 4941,  
 4946, 4947, 4953, 4955, 4957,  
 4959, 4960, 4961, 4962, 4963,  
 4964, 4965, 4966, 4967, 4968,  
 4969, 4971, 4973, 4974, 4979,  
 4980, 4987, 4989, 4992, 4996,  
 4997, 5000, 5001, 5004, 5009,  
 5011, 5013, 5015, 5016, 5017,  
 5018, 5019, 5020, 5021, 5022,  
 5023, 5024, 5025, 5026, 5028,  
 5029, 5032, 5037, 5041, 5047,  
 5049, 5050  
 \renewcommand . . . . . 9, 70,  
 130, 136, 137, 140, 145, 146,  
 151, 152, 157, 158, 163, 164,  
 244, 251, 261, 262, 266, 272,  
 273, 277, 283, 284, 291, 295,  
 296, 1465, 1466, 1471, 1475,  
 1476, 1483, 1484, 1485, 1487,  
 1488, 1698, 1721, 1811, 1812,  
 1813, 1814, 1989, 1991, 1992,  
 1993, 1994, 2382, 2399, 2410,  
 2783, 2784, 2790, 2791, 2797,  
 2798, 2805, 2806, 2813, 2814,  
 2820, 2842, 2846, 2847, 2854,  
 2876, 2877, 2884, 2906, 2926,  
 2927, 2928, 2929, 2930, 2931,  
 2932, 2933, 2934, 2935, 3619,  
 3631, 3643, 3760, 3767, 3769,



3771, 3778, 3785, 3786, 3787,  
 3788, 3789, 3841, 3842, 3843,  
 3854, 3855, 3856, 3947, 4052,  
 4088, 4108, 4447, 4457, 4462,  
 4782  
 \renewenvironment ... 1632, 4891  
 \repeat ..... 5034, 5043  
 \RequirePackage .....  
 .. 2941, 2942, 2943, 2944,  
 3687, 3732, 3733, 3734, 3735,  
 3736, 3737, 3739, 3741, 3743,  
 3744, 3745, 3746, 3747, 4768,  
 4769, 4770, 4771, 4772, 4773  
 \reserved@a 2065, 2069, 2075, 2081,  
 2084, 2087, 2090, 2093, 2096,  
 2099  
 \reserved@b ..... 2045, 2046  
 \reset@font 1505, 1528, 1547, 1566,  
 1589, 1607, 1622, 2425, 2514,  
 3120, 3124, 3138, 3152, 3185  
 \resetlatinfont 3118, 3128, 3132,  
 3187  
 \restore@mathversion .... 4617  
 \restoreapp ..... 142  
 \right@footnoterule 1586, 1604,  
 1725  
 \rightfootnoterule ..... 3582  
 \rightline ..... 4451  
 \rightskip ..... 1804, 1805  
 \rl ..... 1678, 3127, 3136  
 \RLE ..... 3127  
 \rmdefault ..... 3010  
 \Roman ... 1363, 2828, 2862, 2892  
 \roman ... 1362, 2829, 2863, 2893  
 \romannumeral .. 2837, 2871, 2901,  
 5033, 5042, 5052  
 \RTL ..... 3130  
 \RTLbidituftesidenotemarginpar  
 ..... 254  
 \RTLfoottextfont ..... 1485  
 \RTLmarginnote ..... 251  
 \rule 25, 42, 61, 87, 104, 123, 1538,  
 1557, 1576, 1596, 1614, 1629,  
 1749, 1766, 1785, 3811, 3937,  
 4039, 4045, 4132, 4164

## S

\sayehdefault .. 3056, 3074, 3107  
 \sayehfamily .. 3072, 3073, 3080  
 \scriptsize ..... 3769  
 \secondarticle . 4143, 4168, 4169,  
 4171  
 \secondSubtitleFormat ... 3883,  
 3885  
 \secondTextFormat .. 3887, 3890  
 \secondTitleFormat . 3874, 3879,  
 3880  
 \section ..... 3221  
 \sectionautorefname .... 1658  
 \sectionname ..... 11, 1723  
 \select@group ..... 4559  
 \selectfont 3007, 3021, 3035, 3047,  
 3059, 3062, 3065, 3068, 3071,  
 3074  
 \set@mathdelimiter .... 4624  
 \set@mathaccent ..... 4621  
 \set@mathchar ..... 4621  
 \set@mathdelimiter .... 4623  
 \set@mathsymbol ..... 4622  
 \set@typeset@protect 1500, 1504,  
 3165, 3167  
 \setboolean 2915, 2916, 3697, 3699,  
 3701, 3703, 3705, 3707, 3709,  
 3725, 3726, 3728, 3729, 4091,  
 4109, 4254, 4279, 4308, 4330  
 \setbox .... 317, 1587, 1605, 1620,  
 2112, 2155, 2259, 2261, 2262,  
 2352, 2355, 2362, 2365, 3196  
 \setclass . 1847, 1857, 1858, 1859,  
 1860, 1861, 1862, 1863, 1864  
 \setcounter ..... 133, 135, 139,  
 147, 148, 153, 154, 159, 160,  
 165, 166, 267, 268, 278, 279,  
 285, 286, 297, 298, 1467,  
 1468, 1477, 1478, 1489, 1490,  
 1520, 1995, 1996, 2785, 2786,  
 2792, 2793, 2799, 2800, 2807,  
 2808, 2815, 2816, 2848, 2849,  
 2878, 2879, 2909, 2913, 2917,  
 2918, 2919, 2920, 2921, 2922,  
 2923, 3969, 4804  
 \setdigitfont ..... 4682



<code>\setiraniconfont</code> . . . . .	3111	<code>\shortarticleItemTitleFormat</code> .	
<code>\setkeys</code> . . . . .	308, 325	. . . . .	3945, 3946
<code>\setlatinmonofont</code> . . . . .	3026	<code>\shortarticleSubtitleFormat</code> .	
<code>\setlatinsansfont</code> . . . . .	3025	. . . . .	3943, 3944
<code>\setlatintextfont</code> . . . . .	3013, 3683	<code>\shortarticleTitleFormat</code> .	3941,
<code>\setlength</code> . . . . .	2131, 2134, 2153, 3695,	. . . . .	3942
	3727, 3762, 3763, 3764, 3765,	<code>\shortauthors</code> . . . . .	1820, 1821, 1826
	3773, 3774, 3775, 3776, 3780,	<code>\shorttitle</code> . . . . .	1819, 1820, 1826
	3781, 3782, 3783, 3988, 3992,	<code>\sixt@n</code> . . . . .	2064, 2101
	4033, 4034, 4051, 4056, 4057,	<code>\slftitle</code> . . . . .	2009
	4181, 4213, 4285, 4310, 4313,	<code>\sloppy</code> . . . . .	21, 38, 57, 83, 100, 119,
	4361, 4362, 4410, 4411, 4477,	. . . . .	1703, 1745, 1762, 1781
	4478, 4494, 4794, 4885, 4887	<code>\slttitle</code> . . . . .	2010
<code>\setLTRcitationfont</code> . . . . .	189	<code>\small</code> . . . . .	3222, 3771, 3772, 3826, 3830,
<code>\SetMathAlphabet</code> . . . . .	4620	. . . . .	3836, 3907, 3929, 3948
<code>\SetMathAlphabet@</code> . . . . .	4620	<code>\smash</code> . . . . .	3226
<code>\SetMathCharDef</code> . . . . .	4634, 4701, 4702	<code>\space</code> . . . . .	2427, 2516, 2939, 3155, 3468,
<code>\SetMathCode</code> . . . . .		. . . . .	3995, 3996, 4136, 4137, 4139,
. . . . .	4632, 4691, 4692, 4693,	. . . . .	4168, 4169, 4171, 4202, 4203,
	4694, 4695, 4696, 4697, 4698,	. . . . .	4205, 4222, 4223, 4225, 4243,
	4699, 4700	. . . . .	4244, 4246, 4342, 4343, 4345,
<code>\SetMathsDigits</code> . . . . .	4753, 4754, 4758,	. . . . .	4452, 4825, 5060, 5061
. . . . .	4763, 4764	<code>\SplitFootnoteRule</code> . . . . .	3584
<code>\setmathsfdigitfont</code> . . . . .	4707	<code>\splitmaxdepth</code> . . . . .	19, 36, 55,
<code>\setmathttdigitfont</code> . . . . .	4713	. . . . .	81, 98, 117, 1531, 1550, 1569,
<code>\setmonofont</code> . . . . .	3026	. . . . .	1743, 1760, 1779
<code>\setnavarfont</code> . . . . .	3093	<code>\splittopskip</code> . . . . .	19, 36, 55,
<code>\setpersianfont</code> . . . . .	3122, 3130, 3133,	. . . . .	81, 98, 117, 1530, 1549, 1568,
. . . . .	3187	. . . . .	1743, 1760, 1779
<code>\setpersianmonofont</code> . . . . .	3087	<code>\stctitle</code> . . . . .	2008
<code>\setpersiansansfont</code> . . . . .	3081	<code>\stepcounter</code> . . . . .	132, 200, 227, 1519,
<code>\setpookfont</code> . . . . .	3099	. . . . .	2911, 3216, 4800, 4813, 4844
<code>\setsansfont</code> . . . . .	3025	<code>\string</code> . . . . .	173, 2190, 2224, 2313,
<code>\setsayehfont</code> . . . . .	3105	. . . . .	2682, 3151
<code>\SetSymbolFont</code> . . . . .	4619	<code>\strut</code> . . . . .	25, 42, 61, 87, 104, 123, 1749,
<code>\SetSymbolFont@</code> . . . . .	4619	. . . . .	1766, 1785
<code>\settextfont</code> . . . . .	2999, 3512	<code>\strutbox</code> . . . . .	19, 36, 55, 81, 98, 117,
<code>\setthesection</code> . . . . .	1991	. . . . .	1531, 1538, 1550, 1557, 1569,
<code>\settowidth</code> . . . . .	1700	. . . . .	1576, 1596, 1614, 1629, 1743,
<code>\sf@size</code> . . . . .	1733	. . . . .	1760, 1779
<code>\sfcode</code> . . . . .	1704	<code>\subitem</code> . . . . .	1719
<code>\sffamily</code> . . . . .	3792	<code>\subparagraphautorefname</code> .	1662
<code>\shadowbox</code> . . . . .	4364, 4417	<code>\subsectionautorefname</code> . .	1659
<code>\shadowsize</code> . . . . .	4362, 4411, 4415	<code>\subsubitem</code> . . . . .	1720
<code>\shipout</code> . . . . .	1500, 3164	<code>\subsubsectionautorefname</code> .	1660
<code>\shortarticleitem</code> . . . . .	4547		



<code>\symnew@mathbf@font@digits</code> ..	1492, 1991, 1998, 2788, 2795,
..... 4645	2802, 2810, 2851, 2881
<code>\symnew@mathit@font@digits</code> ..	<code>\theclasse</code> ..... 1847, 1852
..... 4653	<code>\theenumiv</code> ..... 1698, 1700
<code>\symnew@mathrm@font@digits</code> 4661	<code>\theHchapter</code> ..... 1671, 1688
<code>\symnew@mathsf@font@digits</code> ..	<code>\theHsection</code> ..... 1670, 1686
..... 4669	<code>\theindex</code> ..... 1709
<code>\symnew@mathtt@font@digits</code> ..	<code>\thempfn</code> 201, 207, 228, 234, 2160
..... 4677	<code>\thempfootnote</code> ..... 2160
	<code>\theoremautorefname</code> .... 1664
	<code>\thepage</code> . 2427, 2444, 2474, 2516,
	3155, 3837
	<code>\theparagraph</code> ..... 1813, 1814
	<code>\thepart</code> ..... 9, 70,
	145, 151, 157, 163, 261, 272,
	283, 295, 1465, 1475, 1487,
	1721, 1993, 2783, 2790, 2797,
	2805, 2813, 2846, 2876
	<code>\thequestion</code> .. 4824, 4864, 4900
	<code>\thesection</code> 12, 140, 149, 155, 161,
	167, 1469, 1724, 1811, 2817
	<code>\thesubparagraph</code> ..... 1814
	<code>\thesubsection</code> ..... 1811, 1812
	<code>\thesubsubsection</code> ... 1812, 1813
	<code>\thirdarticle</code> . 4175, 4202, 4203,
	4205
	<code>\thirdSubtitleFormat</code> 3902, 3904
	<code>\thirdTextFormat</code> ... 3905, 3906
	<code>\thirdTitleFormat</code> . 3893, 3898,
	3899
	<code>\thispagestyle</code> . 1712, 1818, 4092,
	4097
	<code>\thr@@</code> 2187, 2206, 2207, 2221, 2242,
	2243, 2269, 2281, 2282, 2310,
	2337, 2338
	<code>\timestamp</code> 3930, 4127, 4157, 4193
	<code>\timestampFormat</code> ... 3929, 3931
	<code>\timestampSeparator</code> 3928, 3933
	<code>\timestampTxt</code> ..... 3927, 3932
	<code>\tiny</code> ..... 3767
	<code>\title</code> ..... 3976
	<code>\TitleBarFrame</code> . 1634, 1636, 1638,
	1640
	<code>\tl</code> ..... 4611, 4628
	<code>\tmp</code> ..... 4778
	<code>\today</code> ..... 3134, 3136, 4448
T	
<code>\tableautorefname</code> ..... 1654	
<code>\tablename</code> ..... 3229	
<code>\tabularxcolumn</code> ..... 4782	
<code>\tartibi</code> . 1359, 2825, 2859, 2889,	
3368	
<code>\tartibinumeral</code> ..... 3374	
<code>\test</code> ..... 1850, 1851, 1852	
<code>\textbf</code> 2, 3, 1634, 1636, 1638, 1640,	
4353, 4387, 4402, 4440	
<code>\textblockorigin</code> ..... 4013	
<code>\textdegree</code> ..... 3827	
<code>\textheight</code> ... 3215, 4020, 4045	
<code>\textiranica</code> ..... 3977	
<code>\textit</code> ..... 3938	
<code>\textnavar</code> ..... 3078	
<code>\textpersiansf</code> ..... 3075	
<code>\textpersiantt</code> ..... 3076	
<code>\textpook</code> ..... 3079	
<code>\textsayeh</code> ..... 3080	
<code>\textsc</code> ..... 3940	
<code>\textsuperscript</code> ..... 2385	
<code>\texttt</code> ..... 3797	
<code>\textwidth</code> 2158, 3200, 3210, 4019,	
4039, 4351, 4831	
<code>\textwidthfootnoterule</code> .. 3586	
<code>\thanks</code> ..... 3950, 3970	
<code>\the</code> ..... 304, 309,	
1829, 1830, 1845, 2135, 2633,	
2638, 2644, 2651, 2661, 2675,	
2967, 3995, 3996, 4481, 4763,	
4764, 5033, 5042, 5052	
<code>\the@choice</code> ..... 4803, 4825	
<code>\thebook</code> ..... 1992	
<code>\thechapter</code> ..... 74,	
137, 270, 281, 288, 300, 1480,	



<code>\toks</code> .....	1827, 1829	<code>\verbatim@addtoline</code> .....	
<code>\toks@</code> .....	1826, 1830	... 2617, 2632, 2643, 2650,	
<code>\topmargin</code> .....	1512, 3194	2652, 2660, 2662, 2674, 2676	
<code>\TPHorizModule</code> ....	3808, 4033,	<code>\verbatim@finish</code> .....	2670
4132, 4164, 4215, 4262, 4263,		<code>\verbatim@processline</code> ...	2621,
4286, 4287, 4310		2634, 2654	
<code>\TPVertModule</code> .....	4034	<code>\verbatim@startline</code> 2610, 2622,	
<code>\true</code> .....	4853	2635, 2655	
<code>\truesymbol</code> .....	4847	<code>\version@elt</code> .....	4616
<code>\tw@</code> . 2082, 2085, 2167, 2173, 2174,		<code>\version@list</code> .....	4616
2176, 2186, 2196, 2197, 2220,		<code>\vfil</code> .....	3197, 3951, 3967
2230, 2231, 2268, 2274, 2275,		<code>\voidb@x</code> .....	317
2280, 2309, 2319, 2320, 2528		<code>\vrb@catcodes</code> .....	2604
<code>\twocolumnstableofcontents</code> 3219		<code>\vskip</code> 1512, 1514, 1515, 3194, 3205,	
<code>\typeout</code> .....	2966, 2968, 3981	3952, 3955, 3957, 3963	
<b>U</b>			
<code>\Umathchardef</code> .....	4635	<code>\vspace</code> .... 247, 254, 3987, 4006,	
<code>\Umathcode</code> .....	4633	4068, 4078, 4121, 4125, 4148,	
<code>\undefined</code> 2022, 4720, 4752, 4755,		4151, 4155, 4162, 4180, 4184,	
4756, 4757, 4759, 4760, 4761		4188, 4197, 4256, 4260, 4316,	
<code>\unhbox</code> .....	2144	4337, 4385, 4389, 4408, 4438,	
<code>\unpenalty</code> .....	339	4442, 4487, 4489, 4499, 4502,	
<code>\unrestored@protected@xdef</code> 207,		4527, 4529, 4549, 4551, 4835,	
234		4893, 4895	
<code>\unskip</code> .....	25, 42, 61,	<code>\vss</code> .....	2144
87, 104, 123, 213, 240, 336,		<code>\vtop</code> .....	2139, 2140, 2261
1749, 1766, 1785, 2298, 2299,		<b>W</b>	
2300, 2385, 2448, 2479		<code>\weatherFormat</code> ....	3822, 3824
<code>\unvbox</code> ... 1588, 1606, 1621, 2144		<code>\weatheritem</code> .. 4228, 4243, 4244,	
<code>\uppercasenonmath</code> .....	1819	4246	
<code>\use</code> . 3002, 3007, 3016, 3021, 3030,		<code>\weatherTempFormat</code> .	3826, 4236
3035, 3042, 3047		<code>\weatherUnits</code> .....	3827, 4238
<code>\use@mathgroup</code> .....	4570	<code>\whiledo</code> .....	4807
<code>\usebox</code> .....	3985	<code>\widowpenalty</code> .....	1703
<code>\usecounter</code> .....	1702, 4837	<code>\width</code> .....	1642, 2713, 2714
<b>V</b>		<code>\write</code> .... 3151, 3621, 3633, 3645	
<code>\value</code> .....	2908, 4807, 4823	<code>\writexviiiifalse</code> .....	2994
<code>\vbox</code> .....	1500, 1513,	<code>\writexviii&gt;true</code> .....	2992
1587, 1605, 1620, 1727, 2115,		<b>X</b>	
2132, 2137, 2138, 2155, 2262,		<code>\X</code> .....	4777
2352, 2356, 2362, 2366, 3164,		<code>\x</code> .....	2976, 2981
3195, 3196, 4524, 4550		<code>\xdef</code> 1672, 1690, 4570, 4803, 4808,	
<code>\vcenter</code> .....	2141, 2142	4832, 4833, 4854, 4855, 4858,	
		4859	
		<code>\XePersian</code> ....	1679, 3226, 3846



\xpersian ..... 2691, 2693  
\xpersian@adadi .. 3284, 3309  
\xpersian@adadi@tartibi 3385,  
3410  
\xpersian@A 1842, 1857, 1871, 1873  
\xpersian@adadi ... 3278, 3283  
\xpersian@adadi@tartibi 3379,  
3384  
\xpersian@cmds@temp 2971, 2989  
\xpersian@coltitsize ... 3689,  
4412, 4413, 4414, 4415, 4418,  
4423, 4428, 4433  
\xpersian@cx .. 4016, 4021, 4038  
\xpersian@cy .. 4017, 4022, 4044  
\XePersian@d .. 4906, 4931, 5036,  
5055, 5057, 5060, 5065  
\xpersian@D ... 1839, 1859, 1860,  
1861, 1862, 1866, 1867, 1868,  
1870, 1871  
\xpersian@dahgan .. 3342, 3363,  
3443  
\xpersian@digits@family 4684,  
4686, 4687, 4688, 4689  
\XePersian@dn .....  
.. 4926, 5025, 5033, 5036,  
5039, 5043, 5055, 5057  
\xpersian@dx .. 4014, 4019, 4030,  
4033  
\xpersian@dy .. 4015, 4020, 4031,  
4034  
\xpersian@edition 3796, 3800,  
3836, 3956, 4088  
\xpersian@editionLogo .. 3798,  
4066, 4084  
\xpersian@editorialTit . 4493,  
4512  
\xpersian@editorialTitle 3939,  
4498  
\xpersian@everyjob 2967, 2968  
\xpersian@firstText 3871, 4127  
\xpersian@firstTitle ... 3859,  
4122  
\xpersian@fmbox ... 3982, 3984,  
3985  
\xpersian@footcenter ... 3848,  
3855, 4107  
\xpersian@footleft 3850, 3854,  
4106  
\xpersian@footright 3845, 3856,  
4105  
\xpersian@gridcolumns .. 3711,  
3713, 3752, 3756  
\xpersian@gridrows 3710, 3712,  
3752, 3756  
\xpersian@headcenter ... 3832,  
3842, 4104  
\xpersian@headDateTime . 3818,  
4072, 4086  
\xpersian@headleft 3829, 3841,  
4103  
\xpersian@headright 3835, 3843,  
4102  
\XePersian@i .....  
.. 4906, 5029, 5030, 5032,  
5033, 5034, 5037, 5041, 5042,  
5045, 5046, 5049, 5052, 5054  
\xpersian@imgsize 3688, 3989,  
3990, 3992, 4001, 4002  
\xpersian@incolumntitle 4399,  
4418, 4423, 4428, 4433  
\xpersian@indexEntry ... 3808,  
4335  
\xpersian@indexEntryPage 3814,  
4335  
\xpersian@indexFrameTitle ..  
..... 3804, 4311  
\xpersian@indexwidth ... 3692,  
3811, 4310, 4314, 4315  
\xpersian@inexpandedtitle ..  
.. 4350, 4365, 4370, 4375,  
4380  
\xpersian@innerSubtitle 3926,  
4466  
\xpersian@innerTitle ... 3915,  
4465  
\XePersian@kabisehfalse . 4976,  
4982  
\XePersian@kabisehtrue .. 4982  
\xpersian@kashida . 1844, 1866,  
1867, 1868, 1869, 1870, 1871,  
1872





\XePersian@L . . . 1840, 1863, 1867,  
1868, 1869, 1872, 1873  
\XePersian@latini . . 4907, 4953  
\XePersian@latinii . 4908, 4955,  
4957  
\XePersian@latiniii 4909, 4959  
\XePersian@latiniv . 4910, 4960  
\XePersian@latinix . 4915, 4965  
\XePersian@latinvi . . . 4911, 4961  
\XePersian@latinvii . 4912, 4962  
\XePersian@latinviii 4913, 4963  
\XePersian@latinix . 4914, 4964  
\XePersian@latinxi . . 4916, 4966  
\XePersian@latinxii . 4917, 4967  
\XePersian@latinxiii 4918, 4968  
\XePersian@leapfalse 4938, 4942,  
4948  
\XePersian@leaptrue 4948, 4949  
\XePersian@localize@verbatim@  
. . . 2612, 2613, 2615, 2623,  
2636, 2645, 2656, 2664, 2678  
\XePersian@localize@verbatim@@  
. . . . . 2615, 2616  
\XePersian@localize@verbatim@@@  
. . . . . 2618, 2619  
\XePersian@localize@verbatim@@@testend  
. . . . . 2658, 2668  
\XePersian@localize@verbatim@rescan  
. . . . . 2672, 2681  
\XePersian@localize@verbatim@start  
. 2609, 2684, 2685, 2696  
\XePersian@localize@verbatim@test  
. . . 2627, 2629, 2630  
\XePersian@localize@verbatim@testend  
. . . . . 2641, 2648  
\XePersian@m . . 4906, 4931, 5027,  
5046, 5049, 5061, 5064  
\XePersian@milyoongan 3311, 3322  
\XePersian@milyoongan@tartibi  
. . . . . 3412, 3423  
\XePersian@mminusone 4928, 5027,  
5028, 5030, 5034  
\XePersian@ncol . . . . 4043, 4044  
\XePersian@ncolumns 3693, 4394,  
4395, 4462  
\XePersian@nrow . . . . 4037, 4038  
\XePersian@numberoutofrange .  
. . . 3269, 3280, 3381  
\XePersian@numberstring . 3266,  
3274  
\XePersian@numberstring@tartibi  
. . . . . 3372, 3375  
\XePersian@PackageInfo . . 4631,  
4685  
\XePersian@pageleft 3691, 4478,  
4479, 4481, 4483  
\XePersian@pageneed . . . . .  
. . 3690, 3992, 3993, 3995,  
3998, 4477, 4483  
\XePersian@pages 3912, 4147, 4179,  
4464  
\XePersian@persian@month 5061,  
5066  
\XePersian@persiani 4907, 5007,  
5008, 5038, 5055  
\XePersian@persianii 4908, 5009  
\XePersian@persianiii . . . 4909,  
5011, 5013  
\XePersian@persianiv 4910, 5015  
\XePersian@persianix 4915, 5020  
\XePersian@persianv 4911, 5016  
\XePersian@persianvi 4912, 5017  
\XePersian@persianvii 4913, 5018  
\XePersian@persianviii . . 4914,  
5019  
\XePersian@persianx 4916, 5021  
\XePersian@persianxi 4917, 5022  
\XePersian@persianxii . . . 4918,  
5023  
\XePersian@persianxiii . . 4919,  
5024  
\XePersian@pictureCaption 3908,  
4004, 4218  
\XePersian@R . . . 1841, 1858, 1870,  
1872  
\XePersian@sadgan . . . . .  
. . 3315, 3320, 3324, 3328,  
3333, 3416, 3429  
\XePersian@sadgan@tartibi 3421,  
3425, 3434  
\XePersian@say . 3981, 4461, 4481,  
4484, 4486, 4510, 4536



`\xepersian@secondSubtitle` 3884, 4153  
`\xepersian@secondText` ... 3888, 4157  
`\xepersian@secondTitle` .. 3875, 4149  
`\xepersian@section` 3828, 3833, 4457  
`\xepersian@shellescape` .. 2991  
`\xepersian@shortarticleItemTitle` ..... 3946, 4550  
`\xepersian@shortarticleSubtitle` ..... 3944, 4530  
`\xepersian@shortarticleTit` .. ..... 4522, 4537  
`\xepersian@shortarticleTitle` . ..... 3942, 4526  
`\XePersian@sn` ..... .. 4927, 5026, 5038, 5039, 5042, 5043, 5052, 5057  
`\xepersian@tartibi` . 3372, 3448  
`\XePersian@temp` ..... .. 4921, 4932, 4933, 4934, 4936, 4940, 4941, 4942, 4945, 4946, 4947, 4948, 4970, 4971, 4972, 4975, 4976, 4978, 4981, 4982, 4986, 4987, 4990, 4993, 4998, 5003, 5005, 5006, 5008  
`\xepersian@tempa` ..... .. 3556, 3564, 3570, 3576, 3588, 3594, 3600, 3604, 3608, 3614, 3627, 3639, 3651  
`\xepersian@tempb` ..... .. 3556, 3557, 3564, 3565, 3570, 3571, 3576, 3577, 3588, 3589, 3594, 3595, 3600, 3601, 3604, 3605, 3608, 3609, 3614, 3615, 3627, 3628, 3639, 3640, 3651, 3652  
`\XePersian@tempthree` ..... .. 4923, 4984, 4985, 4986, 4988, 4991, 4994, 4995, 4999, 5002, 5003, 5004, 5005  
`\XePersian@temptwo` ..... .. 4922, 4972, 4973, 4974, 4975, 4978, 4979, 4980, 4981, 4988, 4989, 4990, 4991, 4992, 4993, 4995, 4996, 4997, 4998, 4999, 5000, 5001, 5002  
`\xepersian@thirdSubtitle` 3903, 4186  
`\xepersian@thirdText` 3906, 4193  
`\xepersian@thirdTitle` ... 3894, 4182  
`\XePersian@thirtytwo` 4925, 4969, 4976  
`\xepersian@V` ..... 1843, 1864  
`\xepersian@weather` . 3823, 4258  
`\xepersian@www` ..... 3793, 4066  
`\xepersian@wwwFormat` 3792, 3794  
`\XePersian@y` ..... .. 4906, 4931, 4932, 4935, 4945, 4948, 4970, 4984, 5047, 5050, 5061, 5063  
`\xepersian@yekani` .. 3315, 3343, 3347, 3354, 3357, 3416  
`\xepersian@yekanii` 3266, 3328, 3353, 3429  
`\xepersian@yekaniiii` 3324, 3356, 3425  
`\xepersian@yekaniv` 3335, 3359, 3436  
`\xepersian@yekanv` .. 3444, 3455  
`\XePersian@yModHundred` ..... .. 4924, 4935, 4936, 4937, 4940, 4944  
`\xepersian@zwj` . 1837, 1844, 1845  
`\xepersiandate` 2938, 2939, 2955  
`\xepersianInit` ..... 3749, 4050  
`\xepersianversion` .. 2937, 2939, 2955  
`\XeTeXcharclass` ..... 1852  
`\XeTeXcharglyph` ..... 1845  
`\XeTeXglyphbounds` ..... 1845  
`\XeTeXinterchartokenstate` 1875, 1876  
`\XeTeXinterchartoks` 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873  
`\xpg@warning` ... 3461, 3466, 3468



Y  
\y ..... 2977, 2979, 2981  
\year ..... 4931

Z  
\z ..... 2978, 2979  
\z@ ..... 10, 25, 42, 61, 72, 87,  
104, 123, 319, 320, 331, 333,  
1511, 1538, 1557, 1576, 1596,  
1614, 1629, 1710, 1714, 1722,  
1733, 1749, 1766, 1785, 1792,  
1804, 1816, 1833, 2060, 2160,  
2164, 2169, 2170, 2178, 2188,  
2192, 2193, 2198, 2212, 2222,  
2226, 2227, 2232, 2248, 2270,  
2271, 2282, 2300, 2311, 2315,  
2316, 2329, 2343, 2530, 2576,  
2578, 2587, 2711, 2712, 2719,  
2720, 3174, 3192, 3203, 3310,  
3312, 3314, 3318, 3334, 3337,  
3343, 3411, 3413, 3415, 3419,  
3435, 3438, 3444, 3468, 3490,  
3494, 3498, 3501, 4982  
\z@skip ..... 1509, 1510, 3192  
\ziffer@check ..... 4726, 4727  
\ziffer@dcheck ..... 4725, 4726  
\ziffer@DotOri ..... 4723, 4726  
\ZifferAn ..... 4721, 4724  
\ZifferLeer ..... 4726, 4752

\ ..... 1286, 2000, 2596  
\ ..... 2024, 2026, 2029, 2036  
\ ..... 2029  
\ . 2014, 2021, 2022, 2025, 2026,  
2034, 2036  
\ . . . 2019, 2020, 2024, 2031  
\ . . 2012, 2018, 2019, 2024, 2029,  
2030  
\ . . 1287, 1288, 1289, 1290, 1291,  
1292, 1293, 1294, 2022  
\ 2024, 2025, 2030, 2031, 2033,  
2034  
\ ..... 2024, 2029  
\ ..... 2024, 2025, 2030, 2034  
\ ..... 2019, 2020

\ ..... 2024, 2026, 2031, 2036  
@ \ ..... 2013, 2017

@ \ . . 2721, 2722, 2723, 2724,  
2725, 2726, 2727, 2728, 2729,  
2730, 2731, 2732, 2733, 2734,  
2735, 2736, 2737, 2738, 2739,  
2740, 2741, 2742  
@ \ ..... 2013  
\ ..... 2019  
\ ..... 2013, 2017  
\ ..... 2375, 2683  
\ ..... 2597  
\ ..... 2020, 2372, 2373  
  
\ ..... 2012  
\ ..... 2015  
\ ..... 2014, 2016



## 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> . . . . .	123
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	152
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. . . . .	94

