



# The XePersian *Package*

Documentation for *version 19.7*

*to my Master, Ferdowsi The Great*

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

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

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# The XePersian *Package*

## Persian for $\text{\LaTeX} 2_{\epsilon}$ , using Xe $\text{\TeX}$ engine

Documentation for [version 19.7](#)

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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 . . . . .	7	2.6.2	Defining Extra Persian and Latin Fonts . . . . .	39
2.4.3	Kashida Option . . . . .	7	2.6.3	Choosing Persian Sans Font . . . . .	40
2.4.4	<code>quickindex</code> Option . . . . .	7	2.6.4	Choosing Persian Mono Font . . . . .	40
2.4.5	<code>quickindex-variant1</code> Option . . . . .	7	2.6.5	Choosing Persian Iranic Font . . . . .	40
2.4.6	<code>quickindex-variant2</code> Option . . . . .	7	2.6.6	Choosing Persian Navar Font . . . . .	40
2.4.7	<code>localise</code> Option . . . . .	8	2.6.7	Choosing Persian Pook Font . . . . .	40
2.4.8	Localizations of the keys and key values of <code>graphicx</code> package . . . . .	35	2.6.8	Choosing Persian Sayeh Font . . . . .	40
2.4.9	Localizations of font features and font feature options . . . . .	36	2.6.9	Choosing Latin Sans Font . . . . .	40
2.5	A Sample Input $\text{\TeX}$ 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 . . . . .	56
5.2	Index Generation . . . . .	44	7.5	appendix-xepersian.def . . . . .	56
5.3	Converting Your FarsiT <sub>E</sub> X Files To XePersian or Unicode	44	7.6	article-xepersian.def . . . . .	56
<b>6</b>	<b>Extra Packages And Classes</b>	<b>45</b>	7.7	artikel1-xepersian.def . . . . .	57
6.1	Magazine Typesetting . . . . .	45	7.8	artikel2-xepersian.def . . . . .	57
6.1.1	Introduction . . . . .	45	7.9	artikel3-xepersian.def . . . . .	57
6.1.2	Usage . . . . .	45	7.10	backref-xepersian.def . . . . .	57
6.1.3	Front Page . . . . .	45	7.11	bidituftesidenote-xepersian.def	58
6.1.4	Inside . . . . .	47	7.12	bidimoderncv-xepersian.def . . .	58
6.1.5	The article environment	47	7.13	boek3-xepersian.def . . . . .	58
6.1.6	The editorial environment . . . . .	48	7.14	boek-xepersian.def . . . . .	58
6.1.7	The shortarticle environment . . . . .	49	7.15	bookest-xepersian.def . . . . .	58
6.1.8	Commands between articles . . . . .	49	7.16	book-xepersian.def . . . . .	59
6.1.9	Customization . . . . .	49	7.17	breqn-xepersian.def . . . . .	59
6.1.10	Front Page . . . . .	50	7.18	latex-localise-commands-xepersian.def . . . . .	60
6.1.11	Inside The Magazine . . . . .	51	7.19	color-localise-xepersian.def . . .	79
6.1.12	Class Options . . . . .	52	7.20	xepersian-localise-commands-xepersian.def . . . . .	79
6.2	Typesetting Multiple-choice Questions . . . . .	52	7.21	enumerate-xepersian.def . . . . .	80
6.2.1	Introduction . . . . .	52	7.22	enumitem-xepersian.def . . . . .	81
6.2.2	Usage . . . . .	53	7.23	latex-localise-environments-xepersian.def . . . . .	81
6.2.3	Loading The Package . . . . .	53	7.24	xepersian-localise-environments-xepersian.def . . . . .	82
6.2.4	Creating Questions . . . . .	53	7.25	extarticle-xepersian.def . . . . .	82
6.2.5	The question Environment . . . . .	53	7.26	extbook-xepersian.def . . . . .	82
6.2.6	Question Numbers . . . . .	53	7.27	extrafootnotefeatures-xepersian.def . . . . .	82
6.2.7	The Form and the Mask	54	7.28	extreport-xepersian.def . . . . .	83
6.2.8	Typesetting corrections	54	7.29	flowfram-xepersian.def . . . . .	83
6.2.9	Important Note . . . . .	54	7.30	footnote-xepersian.def . . . . .	83
6.3	Customising The Package . . . . .	54	7.31	framed-xepersian.def . . . . .	84
6.3.1	The question environment . . . . .	55	7.32	glossaries-xepersian.def . . . . .	84
6.3.2	The Form and the Mask	55	7.33	hyperref-xepersian.def . . . . .	84
6.3.3	The correction . . . . .	55	7.34	imsproc-xepersian.def . . . . .	85
			7.35	kashida-xepersian.def . . . . .	85
			7.36	listings-xepersian.def . . . . .	86
			7.37	loadingorder-xepersian.def . . .	86
			7.38	localise-xepersian.def . . . . .	87
			7.39	memoir-xepersian.def . . . . .	89
			7.40	latex-localise-messages-xepersian.def . . . . .	89
			7.41	minitoc-xepersian.def . . . . .	89
			7.42	latex-localise-misc-xepersian.def	89
			7.43	natbib-xepersian.def . . . . .	97



7.44	packages-localise-xepersian.def	101	7.53	soul-xepersian.def	108
7.45	parsidigits.map	104	7.54	tkz-linknodes-xepersian.def	108
7.46	rapport1-xepersian.def	105	7.55	tocloft-xepersian.def	108
7.47	rapport3-xepersian.def	105	7.56	xepersian.sty	108
7.48	refrep-xepersian.def	105	7.57	xepersian-magazine.cls	129
7.49	report-xepersian.def	105	7.58	xepersian-mathsdigitspec.sty	147
7.50	scrartcl-xepersian.def	106	7.59	xepersian-multiplechoice.sty	152
7.51	scrbook-xepersian.def	106	7.60	xepersian-persiancal.sty	155
7.52	scrreprt-xepersian.def	107	<b>8</b>	<b>Change History</b>	<b>191</b>



## 1 Introduction

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

### 1.1 Important Notes

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

### 1.2 XePersian Info On The Terminal and In The Log File

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

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2017 Vafa Khalighi
*
* v19.7, 2017/12/20
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



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

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

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

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

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

For instance, consider the following minimal example:

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

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

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

See the xepersian package documentation for explanation.



```
Type H <return> for immediate help.  
...  
1.5 \begin{document}  
?  

```

## 2.2 XePersian's Symbol

As you may know lion symbolizes T<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.

<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>



### 2.4.2 extrafootnotefeatures Option

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

### 2.4.3 Kashida Option

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

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

`\KashidaOn`   `\KashidaOff`

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

☞ `\KashidaOff` disables `Kashida`.

### 2.4.4 quickindex Option

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

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

### 2.4.5 quickindex-variant1 Option

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

### 2.4.6 quickindex-variant2 Option

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





### 2.4.7 localise Option

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

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

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

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

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

```
\eqcommand{<command-name in Persian>}{<original LaTeX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LaTeX environment-name>}
```

Table 1: The Equivalent  $\LaTeX$  and  $\TeX$  Commands

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

*Continued on next page*



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

*Continued on next page*



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

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

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

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

*Continued on next page*



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

<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادرا</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پرشکن</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>

*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>\fontseries</code>	<code>\شمايل قلم</code>
<code>\fontshape</code>	<code>\شكل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلنداي پايين صفحه</code>
<code>\footins</code>	<code>\درج زيرويس</code>
<code>\footnote</code>	<code>\زيرويس</code>
<code>\footnotemark</code>	<code>\علامت زيرويس</code>
<code>\footnoterule</code>	<code>\خط زيرويس</code>
<code>\footnotesep</code>	<code>\فاصله تازيرويس</code>
<code>\footnotesize</code>	<code>\اندازه زيرويس</code>
<code>\footnotetext</code>	<code>\متن زيرويس</code>
<code>\footskip</code>	<code>\فاصله تاپايين صفحه</code>
<code>\frame</code>	<code>\فريم</code>
<code>\framebox</code>	<code>\كادر باخط</code>
<code>\frenchspacing</code>	<code>\فواصل يكنواخت لاتين</code>
<code>\frontmatter</code>	<code>\مطلب پيش</code>
<code>\futurelet</code>	<code>\بعد بگذار</code>
<code>\@gobble</code>	<code>\@خورخري صانه</code>
<code>\@gobbletwo</code>	<code>\@خورخري صانه دو</code>
<code>\@gobblefour</code>	<code>\@خورخري صانه چهار</code>
<code>\@gtempa</code>	<code>\@عاقبت آ</code>
<code>\@gtempb</code>	<code>\@عاقبت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعريف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شكن</code>
<code>\graphpaper</code>	<code>\كاغذگراف</code>
<code>\guillemotleft</code>	<code>\گيومه چپ</code>
<code>\guillemotright</code>	<code>\گيومه راست</code>
<code>\guilsinglleft</code>	<code>\گيومه تكي چپ</code>
<code>\guilsinglright</code>	<code>\گيومه تكي راست</code>
<code>\halign</code>	<code>\رديف ا</code>
<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعد ازسطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</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>\hbadness</code>	<code>\بدنمایی</code>
<code>\hbox</code>	<code>\کادرا</code>
<code>\headheight</code>	<code>\بلندای سرصفحه</code>
<code>\headsep</code>	<code>\فاصله از سرصفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزاقفی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر</code>
<code>\hrule</code>	<code>\خط</code>
<code>\hrulefill</code>	<code>\پرخط</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله</code>
<code>\hspace</code>	<code>\فضای</code>
<code>\hss</code>	<code>\هردوا</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابر پیوند</code>
<code>\hypersetup</code>	<code>\بارگذاری ابر</code>
<code>\hypertarget</code>	<code>\هدف ابر</code>
<code>\hyphenation</code>	<code>\تیره بندی</code>
<code>\hyphenchar</code>	<code>\نویسه تیره</code>
<code>\hyphenpenalty</code>	<code>\جریمه تیره بندی</code>
<code>\@ifclassloaded</code>	<code>\@گرکلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گرترشدنی</code>
<code>\@ifnextchar</code>	<code>\@گرنویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گرسبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گرستاره</code>
<code>\@ifundefined</code>	<code>\@گرتعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempswa</code>	<code>\گر@سواقت آ</code>

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

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

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطرشکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بپایین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زاریک</code>
<code>\@Mii</code>	<code>\ده@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\بیس@زار</code>
<code>\m@ne</code>	<code>\من@</code>
<code>\mag</code>	<code>\بزرگ نمایی</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>\magstep</code>	\گام
<code>\magstephalf</code>	\نیم گام
<code>\mainmatter</code>	\مطلب اصلی
<code>\makeatletter</code>	\ات حرف
<code>\makeatother</code>	\ات دیگر
<code>\makebox</code>	\کادر بی خط
<code>\makeglossary</code>	\ساخت فرهنگ
<code>\makeindex</code>	\تهیه نمایه
<code>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی

*Continued on next page*



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

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

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

*Continued on next page*



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

<code>\obeylines</code>	<code>\سطربه سطر</code>
<code>\obeyspaces</code>	<code>\فضافعال</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 در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایادداشت ها</code>
<code>\onlyslides</code>	<code>\تنها اسلایدها</code>
<code>\openin</code>	<code>\بازکن ورودی</code>
<code>\openout</code>	<code>\بازکن خروجی</code>
<code>\OptionNotUsed</code>	<code>\گزیننه مصرف نشده</code>
<code>\or</code>	<code>\یا</code>
<code>\outer</code>	<code>\برونی</code>
<code>\output</code>	<code>\صفحه بندی</code>
<code>\outputpenalty</code>	<code>\جریمه صفحه بندی</code>
<code>\overfullrule</code>	<code>\علامت سرریز</code>
<code>\@preamblecmds</code>	<code>\@فرمان های پیش در آمد</code>
<code>\p@</code>	<code>\@پو</code>
<code>\PackageError</code>	<code>\خطای سبک</code>
<code>\PackageInfo</code>	<code>\اطلاع سبک</code>
<code>\PackageWarning</code>	<code>\هشدار سبک</code>
<code>\PackageWarningNoLine</code>	<code>\هشدار سبک بی سطر</code>
<code>\pagebreak</code>	<code>\صفحه شکن</code>
<code>\pagecolor</code>	<code>\رنگ صفحه</code>
<code>\pagedepth</code>	<code>\عمق صفحه</code>
<code>\pagefilllstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefillstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefilstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagegoal</code>	<code>\غایت صفحه</code>
<code>\pagename</code>	<code>\نام صفحه</code>
<code>\pagenumbering</code>	<code>\شماره گذاری صفحه</code>
<code>\pageref</code>	<code>\رجوع صفحه</code>
<code>\pagerulewidth</code>	<code>\ضخامت خط صفحه</code>
<code>\pageshrink</code>	<code>\فشرده گی صفحه</code>
<code>\pagestretch</code>	<code>\کشش صفحه</code>
<code>\pagestyle</code>	<code>\سبک صفحه</code>
<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>

*Continued on next page*





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

<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\کادر پار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\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>\کوادر</code>
<code>\qqquad</code>	<code>\کو کوادر</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیكال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</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>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال به بالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتيکت</code>
<code>\rangle</code>	<code>\زاويه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادر قرينه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شماره شده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفع آخرين فاصله</code>
<code>\renewcommand</code>	<code>\فرمان از نو</code>
<code>\renewenvironment</code>	<code>\محيط از نو</code>
<code>\repeat</code>	<code>\از نو</code>
<code>\RequirePackage</code>	<code>\سبک مورد نیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک مورد نیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادر کشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی از دو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقدار</code>

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

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

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

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

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

*Continued on next page*



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

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

*Continued on next page*





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

Table 2: The Equivalent XePersian Commands

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

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

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

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

*Continued on next page*



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

*Continued on next page*



Environment in $\LaTeX$	Equivalent Persian Environment
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

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

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

Table 5: The Equivalent  $\LaTeX$  position arguments

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

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

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

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



Table 6: Persian Equivalent keys of graphicx package

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

Table 7: Persian Equivalent key values of graphicx package

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

#### 2.4.9 Localizations of font features and font feature options

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

Table 8: Persian Equivalent font features

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

*Continued on next page*



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

*Continued on next page*



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

Table 9: Persian Equivalent font feature options

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

## 2.5 A Sample Input T<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 زیر قسمت}
16 ...
17 \end{document}

```

## 2.6 Font Commands



### 2.6.1 Basic Font Commands

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

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T<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 `LTItems` environment but changes the font to Latin font.

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

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

### 3.2 Short Latin and Persian Texts

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

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

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

### 3.3 Miscellaneous Commands

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

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



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

### 3.4 New Commands

`\Latincite`

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

### 3.5 Additional Counters

XePersian defines several additional counters to what already  $\text{\LaTeX}$  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  $\langle image \rangle$  and  $\langle description \rangle$ . 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}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

## 7.4 amsbook-xepersian.def

```

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

```

## 7.5 appendix-xepersian.def

```

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

```

## 7.6 article-xepersian.def

```

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

```



```

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

```

## 7.7 artikel1-xepersian.def

```

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

```

## 7.8 artikel2-xepersian.def

```

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

```

## 7.9 artikel3-xepersian.def

```

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

```

## 7.10 backref-xepersian.def

```

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

```



```

80 }%
81 }%

```

### 7.11 bidentuftsidenote-xepersian.def

```

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

```

### 7.12 bidimoderncv-xepersian.def

```

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

```

### 7.13 boek3-xepersian.def

```

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

```

### 7.14 boek-xepersian.def

```

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

```

### 7.15 bookest-xepersian.def

```

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

```



```

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

```

## 7.16 book-xepersian.def

```

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

```

## 7.17 breqn-xepersian.def

```

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

```



```

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

```

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

```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 7.19 color-localise-xepersian.def

```

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

```

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

```

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

```





```

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

```

## 7.21 enumerate-xepersian.def

```

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

```



```

1202                                     \@enhook
1203                                     \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204 \@tempa}

```

## 7.22 enumitem-xepersian.def

```

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

```

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

```

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

```



```

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

```

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

```

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

```

## 7.25 extarticle-xepersian.def

```

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

```

## 7.26 extbook-xepersian.def

```

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

```

## 7.27 extrafootnotefeatures-xepersian.def



```

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

```

## 7.28 extreport-xepersian.def

```

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

```

## 7.29 flowfram-xepersian.def

```

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

```

## 7.30 footnote-xepersian.def

```

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

```



```

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

```

### 7.31 framed-xepersian.def

```

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

```

### 7.32 glossaries-xepersian.def

```

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

```

### 7.33 hyperref-xepersian.def

```

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

```



```

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

```

### 7.34 imspc-xepersian.def

```

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

```

### 7.35 kashida-xepersian.def

```

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

```



```

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

```

## 7.36 listings-xepersian.def

```

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

```

## 7.37 loadingorder-xepersian.def

```

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

```



```

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

```

## 7.38 localise-xepersian.def

```

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

```





```

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

```



```

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

```

### 7.39 memoir-xepersian.def

```

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

```

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

```

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

```

### 7.41 minitoc-xepersian.def

```

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

```

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

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





[illegible]

```

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

```

## 7.43 natbib-xepersian.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 7.44 packages-localise-xepersian.def

```

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

```



```

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

```



```

2246 \edef\next{\noexpand\end{\@currentvir}}%
2247 \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2248 \else
2249 \expandafter\verbatim@addtoline
2250 \expandafter{\the\@temptokena[]}%
2251 \expandafter\verbatim@addtoline
2252 \expandafter{\@tempc[]}%
2253 \let\next\xepersian@localize@verbatim@
2254 \fi
2255 \next}%
2256 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2257 \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2258 \def\
2259 {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2260 \xepersian@localize@verbatim@start}
2261 \@namedef{
2262 *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2263 \def\end
2264 {\endtrivlist\endgroup\@doendpe}
2265 \expandafter\let\csname end
2266 *\endcsname =\end
2267 }{}
2268 \ExplSyntaxOn
2269 \AtBeginDocument{
2270 \xepersian_localize_patch_verbatim:
2271 }
2272 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2273 \ifpackageloaded{verbatim}{
2274 \cs_set:cpn {*
2275 } }
2276 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2277 }
2278 }{
2279 }
2280 }
2281 \ExplSyntaxOff
2282 \ifpackageloaded{graphicx}{%
2283 \def\Gin@boolkey#1#2{%
2284 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2285 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2286 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2287 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2288 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2289 \define@key{Grot}{origin}[c]{%
2290 \tfor\@tempa:=#1\do{%
2291 \if l\@tempa \Grot@x\z@ \else
2292 \if tempa@ \Grot@x\z@ \else
2293 \if r\@tempa \Grot@x\width \else
2294 \if tempa@ \Grot@x\width \else
2295 \if t\@tempa \Grot@y\height \else
2296 \if tempa@ \Grot@y\height \else
2297 \if b\@tempa \Grot@y-\depth \else
2298 \if tempa@ \Grot@y-\depth \else
2299 \if B\@tempa \Grot@y\z@ \else
2300 \if tempa@ \Grot@y\z@ \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}

```





```

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

```

## 7.45 parsidigits.map

```

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

```



```

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

```

## 7.46 rapport1-xepersian.def

```

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

```

## 7.47 rapport3-xepersian.def

```

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

```

## 7.48 refrep-xepersian.def

```

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

```

## 7.49 report-xepersian.def

```

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

```



```

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

```

## 7.50 scrartcl-xepersian.def

```

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

```

## 7.51 scrbook-xepersian.def

```

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

```



```

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

```

## 7.52 scrreprt-xepersian.def

```

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

```



```

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

```

## 7.53 soul-xepersian.def

```

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

```

## 7.54 tkz-linknodes-xepersian.def

```

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

```

## 7.55 tocloft-xepersian.def

```

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

```

## 7.56 xepersian.sty

```

2514 \NeedsTeXFormat{LaTeX2e}
2515 \def\xepersianversion{v19.7}
2516 \def\xepersiandate{2017/12/20}

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

2817 }
2818 \cs_set:Nn \__xepersian_main_setiraniconfont:nnn
2819 {
2820   \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=
2821   \tl_set_eq:NN \iraniconfont \g__xepersian_iranicfamily_family
2822   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
2823     {
2824       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2825       \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
2826       \exp_not:N \selectfont
2827     }
2828   }
2829   \str_if_eq_x:nnT {\familydefault} {\iraniconfont}
2830   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2831   \normalfont
2832   \ignorespaces
2833 }
2834
2835
2836 \ExplSyntaxOff
2837 \def\resetlatinfont{%
2838 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2839 \def\xepersian@@fontsize@scale{%
2840   \strip@pt\dimexpr 1pt * \dimexpr
2841   \xepersian@@latin@fontsize@scale pt\relax
2842   / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2843 }%
2844 \@nonlatinfalse%
2845 \let\normalfont\latinfont%
2846 \let\reset@font\normalfont%
2847 \latinfont%
2848 \fontsize\font@size\font@baselineskip%
2849 \selectfont%
2850 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2851 }
2852 \def\setpersianfont{%
2853 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2854 \let\xepersian@@fontsize@scale\@ne%
2855 \@nonlatintrue%
2856 \let\normalfont\persianfont%
2857 \let\reset@font\normalfont%
2858 \persianfont%
2859 \fontsize\font@size\font@baselineskip%
2860 \selectfont%
2861 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2862 }
2863 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2864 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2865 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2866 \def\endlatin{\endLTR}

```



```

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

```



```

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

```



```

2966 \def\headtoname{\if@RTL else\ To\fi}
2967 \def\proofname{\if@RTL else\ Proof\fi}
2968 \def\@Abjad#1{%
2969 \ifcase#1\or or\ or\ or\ %
2970 \or or\ or\ or\ or\ %
2971 \or or\ or\ or\ or\ %
2972 \or or\ or\ or\ %
2973 \or or\ or\ or\ or\ %
2974 \or or\ or\ or\ or\ %
2975 \else\@ctrerr\fi}
2976 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
2977 \let\Abjadnumeral\@Abjad
2978 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
2979 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
2980 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
2981 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
2982 \let\harfinumeral\@harfi
2983 \newcommand{\adadi}[1]{%
2984 \expandafter\@adadi\csname c@#1\endcsname%
2985 }
2986 \newcommand{\@adadi}[1]{%
2987 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
2988 }
2989 \let\adadinumeral\@adadi%
2990 \def\xepersian@numberoutofrange#1#2{%
2991 \PackageError{xepersian}{The number `#1' is too large %
2992 to be formatted using xepersian}{The largest possible %
2993 number is 999,999,999.}%
2994 }
2995 \def\xepersian@numberstring#1#2#3#4{%
2996 \ifnum\number#1<\@ne%
2997 #3%
2998 \else\ifnum\number#1<1000000000 %
2999 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3000 \else%
3001 \xepersian@numberoutofrange{#1}{#4}%
3002 \fi\fi%
3003 }
3004 \def\xepersian@adadi#1#2{%
3005 \expandafter\xepersian@@adadi%
3006 \ifcase%
3007 \ifnum#1<10 1%
3008 \else\ifnum#1<100 2%
3009 \else\ifnum#1<\@m 3%
3010 \else\ifnum#1<\@M 4%
3011 \else\ifnum#1<100000 5%
3012 \else\ifnum#1<1000000 6%
3013 \else\ifnum#1<10000000 7%
3014 \else\ifnum#1<100000000 8%
3015 \else9%

```



```

3016 \fi\fi\fi\fi\fi\fi\fi\fi %
3017 \or00000000#1% case 1: Add 8 leading zeros
3018 \or00000000#1% case 2: Add 7 leading zeros
3019 \or000000#1% case 3: Add 6 leading zeros
3020 \or00000#1% case 4: Add 5 leading zeros
3021 \or0000#1% case 5: Add 4 leading zeros
3022 \or000#1% case 6: Add 3 leading zeros
3023 \or00#1% case 7: Add 2 leading zeros
3024 \or0#1% case 8: Add 1 leading zero
3025 \or#1% case 9: Add no leading zeros
3026 \or%
3027 \@nil#2%
3028 \fi%
3029 }
3030 \def\xepersian@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3031 \ifnum#1#2#3>\z@
3032 \xepersian@milyoongan#1#2#3%
3033 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3034 \fi%
3035 \ifnum#4#5#6>\z@%
3036 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3037 \ifnum#4#5#6>\@ne\fi%
3038 %
3039 \ifnum#7>\z@\ \fi%
3040 \fi%
3041 \xepersian@sadgan#7{#4#5#6}1#9%
3042 }
3043 \def\xepersian@milyoongan#1#2#3{%
3044 \ifnum#1#2#3=\@ne%
3045 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3046 %
3047 %
3048 \else%
3049 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3050 %
3051 %
3052 \fi%
3053 }
3054 \def\xepersian@sadgan#1#2#3#4#5#6{%
3055 \ifnum#1>\z@%
3056 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3057 %
3058 \ifnum#2#3>\z@\ \fi%
3059 \fi%
3060 \ifnum#2#3<20%
3061 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3062 \else%
3063 \xepersian@dahgan#2%
3064 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3065 #60%

```





```

3066 \fi%
3067 }
3068 \def\xepersian@yekani#1{%
3069 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3070 \or or\ or\ or\ or\ or\ or\ %
3071 \or or\ or\ or\ %
3072 \or or\ %fi\
3073 }
3074 \def\xepersian@yekanii#1{%
3075 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3076 }
3077 \def\xepersian@yekaniiii#1{%
3078 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3079 }
3080 \def\xepersian@yekaniv#1{%
3081 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3082 \or or\ or\ %fi\
3083 }
3084 \def\xepersian@dahgan#1{%
3085 \ifcase#1\or\or or\ or\ %
3086 \or or\ or\ or\ %
3087 \or %fi\
3088 }
3089 \newcommand{\tartibi}[1]{%
3090 \expandafter\@tartibi\csname c@#1\endcsname%
3091 }
3092 \newcommand{\@tartibi}[1]{%
3093 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3094 }
3095 \let\tartibinumeral\@tartibi%
3096 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3097 \ifnum\number#1<\@ne%
3098 #3%
3099 \else\ifnum\number#1<1000000000 %
3100 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3101 \else%
3102 \xepersian@numberoutofrange{#1}{#4}%
3103 \fi\fi%
3104 }
3105 \def\xepersian@adadi@tartibi#1#2{%
3106 \expandafter\xepersian@@adadi@tartibi%
3107 \ifcase%
3108 \ifnum#1<10 1%
3109 \else\ifnum#1<100 2%
3110 \else\ifnum#1<\@m 3%
3111 \else\ifnum#1<\@M 4%
3112 \else\ifnum#1<100000 5%
3113 \else\ifnum#1<1000000 6%
3114 \else\ifnum#1<10000000 7%
3115 \else\ifnum#1<100000000 8%

```



```

3116 \else9%
3117 \fi\fi\fi\fi\fi\fi\fi\fi %
3118 \or00000000#1% case 1: Add 8 leading zeros
3119 \or0000000#1% case 2: Add 7 leading zeros
3120 \or000000#1% case 3: Add 6 leading zeros
3121 \or00000#1% case 4: Add 5 leading zeros
3122 \or0000#1% case 5: Add 4 leading zeros
3123 \or000#1% case 6: Add 3 leading zeros
3124 \or00#1% case 7: Add 2 leading zeros
3125 \or0#1% case 8: Add 1 leading zero
3126 \or#1% case 9: Add no leading zeros
3127 \or%
3128 \@nil#2%
3129 \fi%
3130 }
3131 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3132 \ifnum#1#2#3>\z@
3133 \xepersian@milyoongan@tartibi#1#2#3%
3134 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3135 \fi%
3136 \ifnum#4#5#6>\z@%
3137 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3138 \ifnum#4#5#6>\@ne \fi%
3139 %
3140 \ifnum#7>\z@\ \fi%
3141 \fi%
3142 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3143 }
3144 \def\xepersian@milyoongan@tartibi#1#2#3{%
3145 \ifnum#1#2#3=\@ne%
3146 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3147 %
3148 %
3149 \else%
3150 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3151 %
3152 %
3153 \fi%
3154 }
3155 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3156 \ifnum#1>\z@%
3157 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3158 %
3159 \ifnum#2#3>\z@\ \fi%
3160 \fi%
3161 \ifnum#2#3<20%
3162 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3163 \else%
3164 \ifnum#2#3=30%
3165 \xepersian@dahgan@tartibi#2%

```



```

3166 \else%
3167 \xepersian@dahgan#2%
3168 \fi%
3169 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3170 #60%
3171 \fi%
3172 }
3173 \def\xepersian@dahgan@tartibi#1{%
3174 \ifcase#1\or\or or\ or\ %
3175 \or or\ or\ or\ %
3176 \or %fi\
3177 }
3178 \def\xepersian@tartibi#1{%
3179 \ifcase#1\or or\ or\ or\ %
3180 \or or\ or\ or\ or\ %
3181 \or or\ or\ or\ %
3182 \or or\ or\ %
3183 \or or\ or\ %fi\
3184 }
3185 \def\xepersian@yekanv#1{%
3186 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3187 \or or\ or\ or\ or\ or\ %
3188 \or or\ or\ or\ %
3189 \or or\ %fi\
3190 }
3191 \providecommand*\xpg@warning}[1]{%
3192 \PackageWarning{XePersian}%
3193 {#1}}
3194 \if@bidi@csundef{@abjad}{%
3195 \def\@abjad#1{%
3196 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3197 \else
3198 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3199 \else
3200 \ifnum#1<10\expandafter\abj@num@i\number#1%
3201 \else
3202 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3203 \else
3204 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3205 \else
3206 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3207 \fi
3208 \fi
3209 \fi
3210 \fi
3211 \fi
3212 \fi
3213 }
3214 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3215 \let\abjadnumeral\@abjad

```



```

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

```



```

3266 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3267 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3268 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}{}
3269 \ifclassloaded{article}{\input{article-xepersian.def}}{}
3270 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3271 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3272 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3273 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3274 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3275 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3276 \ifclassloaded{report}{\input{report-xepersian.def}}{}
3277 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3278 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3279 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3280 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3281 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3282 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3283 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3284 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3285 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3286 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3287 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3288 \ifclassloaded{book}{\input{book-xepersian.def}}{}
3289 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3290 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3291 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3292 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3293 \ifcase\xepersian@tempb\relax
3294 \AutoMathsDigits
3295 \or
3296 \DefaultMathsDigits
3297 \or
3298 \PersianMathsDigits
3299 \fi}
3300 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3301 \ifcase\xepersian@tempb\relax
3302 \AutoInlineMathsDigits
3303 \or
3304 \DefaultInlineMathsDigits
3305 \or
3306 \PersianInlineMathsDigits
3307 \fi}
3308 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3309 \ifcase\xepersian@tempb\relax
3310 \AutoDisplayMathsDigits
3311 \or
3312 \DefaultDisplayMathsDigits
3313 \or
3314 \PersianDisplayMathsDigits
3315 \fi}

```



```

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

```



```

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

```



```

3416 \ifwritexviii%
3417 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3418 \renewcommand\printindex{\newpage%
3419 \immediate\closeout\@indexfile
3420 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3421 \@input@{\jobname.ind}}}%
3422 \else
3423 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3424 \fi
3425 \fi}
3426 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3427 \ifcase\xepersian@tempb\relax
3428 \def\PersianAlphs{%
3429 \let\@alph\@abjad%
3430 \let\@Alph\@abjad%
3431 }
3432 \or
3433 \def\PersianAlphs{%
3434 \let\@alph\@Abjad%
3435 \let\@Alph\@Abjad%
3436 }
3437 \fi}
3438 \DeclareOptionX{defaultlatinfontfeatures}{%
3439 \defaultfontfeatures
3440 [\latinfont]
3441 {#1}
3442 }
3443
3444 \DeclareOptionX{mathfontsizescale}{%
3445 \def\xepersian@@math@fontsize@scale{#1}%
3446 }
3447
3448 \DeclareOptionX{fontsizescale}{%
3449 \def\xepersian@@fontsize@scale{#1}%
3450 }
3451
3452 \DeclareOptionX{latinfontsizescale}{%
3453 \def\xepersian@@latin@fontsize@scale{#1}%
3454 }
3455
3456 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]
3457 \ifcase\xepersian@tempb\relax
3458 \xepersian@@computeautoilgtrue
3459 \or
3460 \xepersian@@computeautoilgfalse
3461 \fi}
3462
3463 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3464 \ifcase\xepersian@tempb\relax
3465 \def\bidi@firstcolumn@status@write{%

```





```

3466         \protected@write\@auxout{}\%
3467             {\string\bidicolumn@status
3468             {1}}}%
3469 \def\bidilastcolumn@status@write{%
3470     \protected@write\@auxout{}\%
3471         {\string\bidicolumn@status{2}}}%
3472 \or
3473     \let\bidifirstcolumn@status@write\relax
3474     \let\bidilastcolumn@status@write\relax
3475 \fi}
3476
3477
3478 \ExecuteOptionsX{%
3479     documentdirection=righttoleft,
3480     tabledirection=righttoleft,
3481     script=nonlatin,
3482     footnotedirection=righttoleft,
3483     footnoterule=automatic,
3484     abjadvariant=two,
3485     DetectColumn=off,
3486     fontsizescale=\@ne,
3487     latinfontsizescale=\@ne,
3488     mathfontsizescale=\@ne
3489 }
3490
3491 \ProcessOptionsX
3492
3493 \if@extrafootnotefeatures
3494     \input{extrafootnotefeatures-xetex-bidi.def}
3495     \input{extrafootnotefeatures-xepersian.def}
3496 \fi
3497
3498 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{\%
3499     \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
3500 }{}{}
3501
3502
3503 \newcommand*{\xepersian@@update@math@fontsize}[1]{\%
3504     \strip@pt\dimexpr\xepersian@@math@fontsize@scale
3505     \dimexpr 1pt * \dimexpr #1 pt\relax /
3506     \dimexpr \xepersian@@fontsize@scale pt\relax
3507     \relax\relax
3508 }
3509
3510 \bidi@patchcmd{\getanddefine@fonts}{\%
3511     \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3512 }{}%
3513 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
3514 }{}{}
3515

```



```

3516 \bidi@patchcmd{\getanddefine@fonts}{%
3517   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3518 }{%
3519   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
3520 }{}{}
3521
3522 \bidi@patchcmd{\getanddefine@fonts}{%
3523   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3524 }{%
3525   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
3526 }{}{}
3527
3528
3529 \if\xepersian@@computeautoilg
3530 \bidi@patchcmd{\set@fontsize}{%
3531 \baselineskip\f@baselineskip\relax
3532 }{%
3533 \baselineskip\f@baselineskip\relax
3534 \xepersian@computeautoilg
3535 \ifdim\xepersian@strutilg>\baselineskip
3536   \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3537   \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3538   \baselineskip\xepersian@strutilg
3539   \ifdim\footnotesep=.7\baselineskip
3540     \else
3541       \footnotesep=.7\baselineskip
3542     \fi
3543   \fi
3544 }{}{}
3545 \fi
3546
3547 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3548 \PersianAlphs

```

## 7.57 xepersian-magazine.cls

```

3549 \NeedsTeXFormat{LaTeX2e}
3550 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3551 \RequirePackage{ifthen}
3552 \newlength{\xepersian@imgsize}
3553 \newlength{\xepersian@coltitsize}
3554 \newlength{\xepersian@pageneed}
3555 \newlength{\xepersian@pageleft}
3556 \newlength{\xepersian@indexwidth}
3557 \newcommand{\xepersian@ncolumns}{0}
3558 \newlength{\columnlines}
3559 \setlength{\columnlines}{0 pt} % no lines by default
3560 \newboolean{xepersian@hyphenatedtitles}
3561 \setboolean{xepersian@hyphenatedtitles}{true}
3562 \newboolean{xepersian@ninepoints}

```



```

3563 \setboolean{xepersian@ninepoints}{false}
3564 \newboolean{xepersian@showgrid}
3565 \setboolean{xepersian@showgrid}{false}
3566 \newboolean{xepersian@a3paper}
3567 \setboolean{xepersian@a3paper}{false}
3568 \newboolean{xepersian@insidefrontpage}
3569 \setboolean{xepersian@insidefrontpage}{false}
3570 \newboolean{xepersian@insideweather}
3571 \setboolean{xepersian@insideweather}{false}
3572 \newboolean{xepersian@insideindex}
3573 \setboolean{xepersian@insideindex}{false}
3574 \newcount\xepersian@gridrows
3575 \newcount\xepersian@gridcolumns
3576 \xepersian@gridrows=40
3577 \xepersian@gridcolumns=50
3578 \newcount\minraggedcols
3579 \minraggedcols=5
3580 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3581 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3582 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3583 \DeclareOption{twocolumn}%
3584 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3585 \DeclareOption{notitlepage}%
3586 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3587 \DeclareOption{twoside}%
3588 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3589 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3590 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3591 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3592 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3593 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3594 \ProcessOptions\relax
3595 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3596 \RequirePackage{ifxetex}
3597 \RequirePackage{multido}
3598 \RequirePackage{datetime}
3599 \RequirePackage{multicol}
3600 \RequirePackage{fancyhdr}
3601 \RequirePackage{fancybox}
3602 \ifthenelse{\boolean{xepersian@a3paper}}{%
3603 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3604 }{
3605 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3606 }
3607 \RequirePackage[absolute]{textpos} % absolute positioning
3608 \RequirePackage{hyphenat} % when hyphenate
3609 \RequirePackage{lastpage} % to know the last page number
3610 \RequirePackage{setspace} % set space between lines
3611 \RequirePackage{ragged2e}
3612 \newcommand{\raggedFormat}{\RaggedLeft}

```



```

3613 \AtEndOfClass{\xepersianInit}
3614 \ifthenelse{\boolean{xepersian@showgrid}}{%
3615 \AtBeginDocument{
3616 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3617 \advance\minraggedcols by -1
3618 }{%
3619 \AtBeginDocument{
3620 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3621 \advance\minraggedcols by -1
3622 }
3623 \ifthenelse{\boolean{xepersian@ninepoints}}{
3624 \renewcommand{\normalsize}{%
3625 \setfontsize{\normalsize}{9pt}{10pt}%
3626 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3627 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3628 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3629 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3630
3631 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3632
3633 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3634
3635 \renewcommand{\small}{%
3636 \setfontsize{\small}{8pt}{9pt}%
3637 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3638 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3639 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3640 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3641
3642 \renewcommand{\footnotesize}{%
3643 \setfontsize{\footnotesize}{8pt}{9pt}%
3644 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3645 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3646 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3647 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3648
3649 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
3650 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
3651 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
3652 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
3653 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
3654 }{}
3655 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3656 \newcommand{\xepersian@wwwFormat}{\sfamily}
3657 \newcommand{\xepersian@www}{%
3658 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3659 }
3660 \newcommand{\xepersian@edition}{ {
3661 \newcommand{\editionFormat}{\large\bfseries\texttt}
3662 \newcommand{\xepersian@editionLogo}{%

```



```

3663 \raisebox{-3pt}{%
3664 {\editionFormat\xepersian@edition}%
3665 }%
3666 }
3667 \newcommand{\indexFormat}{\large\bfseries}
3668 \newcommand{\xepersian@indexFrameTitle}[1]
3669 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3670
3671 \newcommand{\indexEntryFormat}{\normalsize}
3672 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3673 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3674 \end{minipage}}
3675 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3676 \newcommand{\indexEntryPageTxt}{ }
3677 \newcommand{\indexEntryPageFormat}{\footnotesize}
3678 \newcommand{\xepersian@indexEntryPage}[1]{%
3679 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
3680 }
3681 \newcommand{\headDateTimeFormat}{ }
3682 \newcommand{\xepersian@headDateTime}{%
3683 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3684 \currenttime %
3685 }
3686 \newcommand{\weatherFormat}{\bfseries}
3687 \newcommand{\xepersian@weather}[1]{%
3688 \noindent{\weatherFormat #1}%
3689 }
3690 \newcommand{\weatherTempFormat}{\small}
3691 \newcommand{\weatherUnits}{\textdegree{ }C}
3692 \newcommand{\xepersian@section}[0]{ {
3693 \newcommand{\xepersian@headleft}{%
3694 {\small\bfseries \@custommagaziname} \date
3695 }
3696 \newcommand{\xepersian@headcenter}{%
3697 \xepersian@section{ }
3698 }
3699 \newcommand{\xepersian@headright}{%
3700 \small\xepersian@edition%
3701 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3702 }
3703
3704 \newcommand{\heading}[3]{%
3705 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3706 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3707 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3708 }
3709 \newcommand{\xepersian@footright}{%
3710 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3711 }
3712 \newcommand{\xepersian@footcenter}{%

```



```

3713 }
3714 \newcommand{\xepersian@footleft}{%
3715 }
3716
3717 \newcommand{\foot}[3]{%
3718 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3719 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3720 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3721 }
3722 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3723 \newcommand{\xepersian@firstTitle}[1]{%
3724 {%
3725 \begin{spacing}{2.0}{%
3726 \noindent\ignorespaces
3727 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3728 {\nohyphens{\firstTitleFormat #1}}%
3729 {\firstTitleFormat #1}}%
3730 }%
3731 \end{spacing}%
3732 }%
3733 }
3734 \newcommand{\firstTextFormat}{%
3735 \newcommand{\xepersian@firstText}[1]{%
3736 {\noindent\ignorespaces\firstTextFormat #1}%
3737 }
3738 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3739 \newcommand{\xepersian@secondTitle}[1]{%
3740 \begin{spacing}{1.5}{%
3741 \noindent\ignorespaces\flushright
3742 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3743 {\nohyphens{\secondTitleFormat #1}}%
3744 {\secondTitleFormat #1}}%
3745 \end{spacing}%
3746 }
3747 \newcommand{\secondSubtitleFormat}{\large}
3748 \newcommand{\xepersian@secondSubtitle}[1]{%
3749 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3750 }
3751 \newcommand{\secondTextFormat}{%
3752 \newcommand{\xepersian@secondText}[1]{%
3753 \begin{multicols}{2}
3754 {\noindent\ignorespaces\secondTextFormat #1}
3755 \end{multicols}
3756 }
3757 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3758 \newcommand{\xepersian@thirdTitle}[1]{%
3759 \begin{spacing}{1.5}{%
3760 \noindent\ignorespaces\flushright
3761 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3762 {\nohyphens{\thirdTitleFormat #1}}%

```



```

3763 {{\thirdTitleFormat #1}}%
3764 } \end{spacing}%
3765 }
3766 \newcommand{\thirdSubtitleFormat}{\large}
3767 \newcommand{\xepersian@thirdSubtitle}[1]%
3768 {{\noindent\ignorespaces\thirdSubtitleFormat #1}}
3769 \newcommand{\thirdTextFormat}{}
3770 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}
3771 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3772 \newcommand{\xepersian@pictureCaption}[1]{%
3773 {\noindent\pictureCaptionFormat #1}}%
3774 }
3775 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3776 \newcommand{\xepersian@pages}[1]%
3777 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3778 \newcommand{\innerTitleFormat}{\Huge}
3779 \newcommand{\xepersian@innerTitle}[1]{%
3780 \begin{flushright}{%
3781 \noindent
3782 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3783 {\nohyphens{\innerTitleFormat #1}}%
3784 {{\innerTitleFormat #1}}%
3785 }%
3786 \\\%
3787 \end{flushright}}%
3788 }
3789 \newcommand{\innerSubtitleFormat}{\large}
3790 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
3791 \newcommand{\timestampTxt}{}
3792 \newcommand{\timestampSeparator}{}
3793 \newcommand{\timestampFormat}{\small}
3794 \newcommand{\timestamp}[1]{%
3795 {\timestampFormat%
3796 #1~\timestampTxt}%
3797 }~\timestampSeparator}%
3798 }
3799 \newcommand{\innerAuthorFormat}{\footnotesize}
3800 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3801 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3802 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3803 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3804 \newcommand{\editorialAuthorFormat}{\textsc}
3805 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3806 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
3807 \newcommand{\shortarticleSubtitleFormat}{\Large}
3808 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
3809 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3810 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
3811 \renewcommand{\maketitle}{\begin{titlepage}%
3812 \let\footnotesize\small

```



```

3813 \let\footnoterule\relax
3814 \let \footnote \thanks
3815 \null\vfil
3816 \vskip 60\p@
3817 \begin{center}%
3818   {\LARGE \@title \par}%
3819   \vskip 1em%
3820   {\LARGE «\xepersian@edition» \par}%
3821   \vskip 3em%
3822   {\large
3823     \lineskip .75em%
3824     \begin{tabular}[t]{c}%
3825       \@author
3826       \end{tabular}\par}%
3827     \vskip 1.5em%
3828     {\large \@date \par}%
3829 \end{center}\par
3830 \@thanks
3831 \vfil\null
3832 \end{titlepage}%
3833 \setcounter{footnote}{0}%
3834 \global\let\thanks\relax
3835 \global\let\maketitle\relax
3836 \global\let\@thanks\@empty
3837 \global\let\@author\@empty
3838 \global\let\@date\@empty
3839 \global\let\@title\@empty
3840 \global\let\title\relax
3841 \global\let\author\relax
3842 \global\let\date\relax
3843 \global\let\and\relax
3844 }
3845 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3846 \newsavebox{\xepersian@fmbox}
3847 \newenvironment{xepersian@fmpage}[1]
3848   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3849   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3850 \newcommand{\image}[2]{
3851   \vspace{5pt}
3852   \setlength{\fboxsep}{1pt}
3853   \addtolength{\xepersian@imgsize}{\columnwidth}
3854   \addtolength{\xepersian@imgsize}{-1\columnsep}
3855   \ifxetex
3856     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3857     \addtolength{\xepersian@pageneed}{50pt}
3858     \ClassWarning{xepersian-magazine}{%
3859 Image #1 needs: \the\xepersian@pageneed \space %
3860 and there is left: \the\page@free\space%
3861 }
3862 \ifdim \xepersian@pageneed < \page@free

```





```

3863
3864 {\centering\fbbox{%
3865 \includegraphics[width = \xepersian@imgsize,
3866 height = \xepersian@imgsize,
3867 keepaspectratio ]{#1}}
3868 \xepersian@pictureCaption{#2}
3869
3870 \vspace{5pt}
3871 \else
3872 \ClassWarning{Image #1 needs more space!%
3873 It was not inserted!}
3874 \fi
3875 \fi
3876 }
3877 \textblockorigin{1cm}{1cm}
3878 \newdimen\xepersian@dx
3879 \newdimen\xepersian@dy
3880 \newcount\xepersian@cx
3881 \newcount\xepersian@cy
3882 \newcommand{\grid}[3][ ]{
3883 \xepersian@dx=\textwidth%
3884 \xepersian@dy=\textheight%
3885 \xepersian@cx=#3% %columns
3886 \xepersian@cy=#2% %rows
3887
3888 \count1=#3%
3889 \advance\count1 by 1
3890
3891 \count2=#2%
3892 \advance\count2 by 1
3893
3894 \divide\xepersian@dx by #3
3895 \divide\xepersian@dy by #2
3896
3897 \setlength{\TPHorizModule}{\xepersian@dx}
3898 \setlength{\TPVertModule}{\xepersian@dy}
3899
3900 \ifthenelse{\equal{#1}{show}}{
3901 \multido{\xepersian@nrow=0+1}{\count2}{
3902 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3903 \rule[0pt]{\textwidth}{.1pt}
3904 \end{textblock}
3905 }
3906
3907 \multido{\xepersian@ncol=0+1}{\count1}{
3908 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3909 \rule[0pt]{.1pt}{\textheight}
3910 \end{textblock}
3911 }
3912 }{}

```



```

3913 }
3914 \newcommand{\xepersianInit}{
3915 \setlength{\headheight}{14pt}
3916 \renewcommand{\headrulewidth}{0.4pt}
3917
3918 \pagestyle{fancy}
3919
3920 \setlength{\columnseprule}{\columnlines}
3921 \setlength{\fboxrule}{0.1 pt}
3922
3923 }
3924
3925 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3926 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3927 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3928 \newcommand{\logo}[0]{
3929 %% Heading %%
3930 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3931
3932 \vspace*{-3pt}
3933
3934 {\Large\bfseries \@customlogo}
3935 \hrulefill
3936 \hspace{10pt}\xepersian@headDateTime
3937
3938 }
3939 \newcommand{\minilogo}[0]{
3940 {\large\bfseries \@customminilogo}
3941
3942 \vspace*{5pt}
3943 }
3944 \newcommand{\mylogo}[1]{
3945 {\beginR#1\endR}
3946
3947 \noindent
3948 \xepersian@editionLogo\hspace{5pt}
3949 \hrulefill
3950 \hspace{5pt}\xepersian@headDateTime
3951 }
3952 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3953 \newenvironment{frontpage}[0]
3954 {
3955 \setboolean{xepersian@insidefrontpage}{true}
3956 \thispagestyle{empty}
3957 \logo
3958
3959 }%
3960 {
3961 \thispagestyle{empty}
3962 \clearpage

```



```

3963 \newpage
3964 \fancyhead{}
3965 \fancyfoot{}
3966 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
3967 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
3968 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3969 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
3970 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
3971 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3972 \renewcommand{\headrulewidth}{0.4pt}
3973 \setboolean{xepersian@insidefrontpage}{false}
3974
3975 }
3976 \newcommand{\firstarticle}[3]
3977 {
3978 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3979 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3980 \begin{textblock}{24}(22,5)
3981 }
3982 {
3983 \begin{textblock}{28}(22,5)
3984 }
3985 \vspace{-7pt}
3986 \xepersian@firstTitle{#1}
3987 \end{textblock}
3988 \begin{textblock}{29}(22,10)
3989 \vspace{5pt plus 2pt minus 2pt}
3990
3991 \xepersian@firstText{\timestamp{#3}~#2}
3992
3993 \end{textblock}
3994
3995 \begin{textblock}{50}(0,15)
3996 \rule{50\TPHorizModule}{.3pt}
3997 \end{textblock}
3998 }{%else
3999 \ClassError{xepersian-magazine}{%
4000 \protect\firstarticle\space in a wrong place.\MessageBreak
4001 \protect\firstarticle\space may only appear inside frontpage environment.
4002 }{%
4003 \protect\firstarticle\space may only appear inside frontpage environment.
4004 }%
4005 }
4006 }
4007 \newcommand{\secondarticle}[5]
4008 {
4009 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4010 \begin{textblock}{33}(2,16)
4011 \xepersian@pages{#4}
4012 \vspace{-5pt}

```



```

4013 \xepersian@secondTitle{#1}
4014
4015 \vspace*{5pt}
4016
4017 \xepersian@secondSubtitle{#2}
4018
4019 \vspace*{-7pt}
4020
4021 \xepersian@secondText{\timestamp{#5}~#3}
4022
4023 \end{textblock}
4024
4025 \begin{textblock}{33}(2,25)
4026 \vspace{5pt plus 2pt minus 2pt}
4027
4028 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4029 \end{textblock}
4030 }{%else
4031 \ClassError{xepersian-magazine}{%
4032 \protect\secondarticle\space in a wrong place.\MessageBreak
4033 \protect\secondarticle\space may only appear inside frontpage environment.
4034 }{%
4035 \protect\secondarticle\space may only appear inside frontpage environment.
4036 }%
4037 }
4038 }
4039 \newcommand{\thirdarticle}[6]
4040 {
4041 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4042 \begin{textblock}{32}(2,26)
4043 \xepersian@pages{#5}
4044 \vspace{-5pt}
4045 \setlength{\fboxsep}{1pt}
4046 \xepersian@thirdTitle{#1}
4047
4048 \vspace*{5pt}
4049
4050 \xepersian@thirdSubtitle{#2}
4051
4052 \vspace*{5pt}
4053
4054 {\noindent\ignorespaces %
4055 \ifthenelse{\equal{#4}{}}{}}
4056
4057 \xepersian@thirdText{\timestamp{#6}~#3}
4058
4059 }
4060
4061 \vspace*{5pt}
4062

```



```

4063 \end{textblock}
4064 }{%else
4065 \ClassError{xepersian-magazine}{%
4066 \protect\thirdarticle\space in a wrong place.\MessageBreak
4067 \protect\thirdarticle\space may only appear inside frontpage environment.
4068 }{%
4069 \protect\thirdarticle\space may only appear inside frontpage environment.
4070 }%
4071 }
4072 }
4073 \newcommand{\firstimage}[2]
4074 {
4075 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4076 \begin{textblock}[18](2,5)
4077 \setlength{\fboxsep}{1pt}
4078 \ifxetex % only in PDF
4079 \noindent\fbbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4080 \fi
4081
4082 \xepersian@pictureCaption{#2}
4083 \end{textblock}}%
4084 }
4085 {\ClassError{xepersian-magazine}{%
4086 \protect\firstimage\space in a wrong place.\MessageBreak
4087 \protect\firstimage\space may only appear inside frontpage environment.
4088 }{%
4089 \protect\firstimage\space may only appear inside frontpage environment.
4090 }}
4091 }%
4092 \newcommand{\weatheritem}[5]{%
4093 \ifthenelse{\boolean{xepersian@insideweather}}{
4094 \begin{minipage}{45pt}
4095 \ifxetex
4096 \includegraphics[width=40pt]{#1}
4097 \fi
4098 \end{minipage}
4099 \begin{minipage}{50pt}
4100 \weatherTempFormat
4101 #2\\
4102 \beginL#3 $||$ #4 \lr{\weatherUnits{}}\endL\\
4103 #5
4104 \end{minipage}
4105 }{%else
4106 \ClassError{xepersian-magazine}{%
4107 \protect\weatheritem\space in a wrong place.\MessageBreak
4108 \protect\weatheritem\space may only appear inside weatherblock environment.
4109 }{%
4110 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4111 weatherblock environment may only appear inside frontpage environment.
4112 }%

```



```

4113 }
4114 }
4115 \newenvironment{weatherblock}[1]
4116 {
4117 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4118 \setboolean{xepersian@insideweather}{true}
4119 \begin{textblock}{32}(2,38)
4120 \vspace*{-15pt}
4121
4122 \xepersian@weather{\beginR#1\endR}
4123
4124 \vspace*{5pt}
4125
4126 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4127 \begin{minipage}{32\TPHorizModule}
4128 \hspace{5pt}
4129
4130 }{%
4131 \ClassError{xepersian-magazine}{%
4132 weatherblock in a wrong place.\MessageBreak
4133 weatherblock may only appear inside frontpage environment.
4134 }{%
4135 weatherblock may only appear inside frontpage environment.
4136 }
4137 }
4138 }%
4139 {
4140 \end{minipage}
4141 \end{xepersian@fmpage}
4142 \end{textblock}
4143 \setboolean{xepersian@insideweather}{false}
4144 }
4145 \newenvironment{authorblock}[0]
4146 {
4147 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4148 \begin{textblock}{15}(36,35)
4149 \setlength{\fboxsep}{5pt}
4150 \begin{xepersian@fmpage}{13\TPHorizModule}
4151 \begin{minipage}{13\TPHorizModule}
4152 \centering
4153 \minilogo
4154
4155 }{%else
4156 \ClassError{xepersian-magazine}{%
4157 authorblock in a wrong place.\MessageBreak
4158 authorblock may only appear inside frontpage environment.
4159 }{%
4160 authorblock may only appear inside frontpage environment.
4161 }
4162 }

```



```

4163 }
4164 {
4165 \end{minipage}
4166 \end{xepersian@fmpage}
4167 \end{textblock}
4168 }
4169 \newenvironment{indexblock}[1]
4170 {
4171 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4172 \setboolean{xepersian@insideindex}{true}%let's in
4173 \begin{textblock}{15}(36,16)
4174 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4175 \xepersian@indexFrameTitle{#1}
4176
4177 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4178 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4179 \begin{minipage}{\xepersian@indexwidth}
4180 \vspace*{10pt}
4181 }{%else
4182 \ClassError{xepersian-magazine}{%
4183 indexblock in a wrong place.\MessageBreak
4184 indexblock may only appear inside frontpage environment.
4185 }{%
4186 indexblock may only appear inside frontpage environment.
4187 }
4188 }
4189 }%
4190 {
4191 \end{minipage}
4192 \end{xepersian@fmpage}
4193 \end{textblock}
4194 \setboolean{xepersian@insideindex}{false}%let's out
4195 }
4196 \newcommand{\indexitem}[2]
4197 {
4198 \ifthenelse{\boolean{xepersian@insideindex}}{
4199 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4200
4201 \vspace{0.5cm}
4202
4203 \noindent\ignorespaces\indexEntrySeparator{
4204 }{%else
4205 \ClassError{xepersian-magazine}{%
4206 \protect\indexitem\space in a wrong place.\MessageBreak
4207 \protect\indexitem\space may only appear inside indexblock environment.
4208 }{%
4209 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4210 indexblock environment may only appear inside frontpage environment.
4211 }%
4212 }

```



```

4213 }
4214 \newcommand{\xepersian@inexpandedtitle}[1]{
4215 \begin{minipage}{.95\textwidth}
4216 \begin{center}
4217 \noindent\Large\textbf{\beginR#1\endR}
4218 \end{center}
4219 \end{minipage}
4220 }
4221 \newcommand{\expandedtitle}[2]{
4222 \end{multicols}
4223
4224 \begin{center}
4225 \setlength{\fboxsep}{5pt}
4226 \setlength{\shadowsize}{2pt}
4227 \ifthenelse{\equal{#1}{shadowbox}}{%
4228 \shadowbox{%
4229 \xepersian@inexpandedtitle{#2}%
4230 }%
4231 }{}
4232 \ifthenelse{\equal{#1}{doublebox}}{%
4233 \doublebox{%
4234 \xepersian@inexpandedtitle{#2}%
4235 }%
4236 }{}
4237 \ifthenelse{\equal{#1}{ovalbox}}{%
4238 \ovalbox{%
4239 \xepersian@inexpandedtitle{#2}%
4240 }%
4241 }{}
4242 \ifthenelse{\equal{#1}{ovalbox}}{%
4243 \Ovalbox{%
4244 \xepersian@inexpandedtitle{#2}%
4245 }%
4246 }{}
4247 \ifthenelse{\equal{#1}{lines}}{
4248 \hrule
4249 \vspace*{8pt}
4250 \begin{center}
4251 \noindent\Large\textbf{#2}
4252 \end{center}
4253 \vspace*{8pt}
4254 \hrule
4255 }{}
4256 \end{center}
4257
4258 \begin{multicols}{\xepersian@ncolumns}
4259 \ifnum \xepersian@ncolumns > \minraggedcols
4260 \raggedFormat
4261 \fi
4262 }

```





```

4263 \newcommand{\xepersian@incolumntitle}[2]{
4264 \begin{minipage}{#1}
4265 \begin{center}
4266 \noindent\normalsize\textbf{#2}
4267 \end{center}
4268 \end{minipage}
4269 }
4270
4271 \newcommand{\columnntitle}[2]{
4272 \vspace*{5pt}
4273 \begin{center}
4274 \setlength{\fboxsep}{5pt}
4275 \setlength{\shadowsize}{2pt}
4276 \addtolength{\xepersian@coltitsize}{\columnwidth}
4277 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4278 \addtolength{\xepersian@coltitsize}{-5pt}
4279 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4280 \ifthenelse{\equal{#1}{shadowbox}}{%
4281 \shadowbox{%
4282 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4283 }%
4284 }{}
4285 \ifthenelse{\equal{#1}{doublebox}}{%
4286 \doublebox{%
4287 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4288 }%
4289 }{}
4290 \ifthenelse{\equal{#1}{ovalbox}}{%
4291 \ovalbox{%
4292 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4293 }%
4294 }{}
4295 \ifthenelse{\equal{#1}{ovalbox}}{%
4296 \ovalbox{%
4297 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4298 }%
4299 }{}
4300 \ifthenelse{\equal{#1}{lines}}{
4301 \hrule
4302 \vspace*{5pt}
4303 \begin{center}
4304 \noindent\normalsize\textbf{#2}
4305 \end{center}
4306 \vspace*{5pt}
4307 \hrule
4308 }{}
4309 \end{center}
4310 }
4311 \renewcommand{\date}{%
4312 \longdate{\today}%

```



```

4313 }
4314 \newcommand{\authorandplace}[2]{%
4315 \rightline{%
4316 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
4317 }%
4318 \par %
4319 }
4320 \newcommand{\newsection}[1]{
4321 \renewcommand{\xepersian@section}{#1}
4322 }
4323 \newenvironment{article}[5]
4324 {
4325 \xepersian@say{Adding a new piece of article}
4326 \renewcommand{\xepersian@ncolumns}{#1}
4327 \begin{multicols}{#1}[
4328 \xepersian@pages{#4}
4329 \xepersian@innerTitle{#2}%
4330 \xepersian@innerSubtitle{#3}%
4331 ] [4cm]%
4332 \label{#5}
4333 \ifnum #1 > \minraggedcols
4334 \raggedFormat
4335 \fi
4336 }
4337 {\sim\innerTextFinalMark{}
4338 \end{multicols}
4339 }
4340 \newcommand{\articlesep}{%
4341 \setlength{\xepersian@pageneed}{16000pt}
4342 \setlength\xepersian@pageleft{\pagegoal}
4343 \addtolength\xepersian@pageleft{-\pagetotal}
4344
4345 \xepersian@say{How much left \the\xepersian@pageleft}
4346
4347 \ifdim \xepersian@pageneed < \xepersian@pageleft
4348 \xepersian@say{Not enough space}
4349 \else
4350 \xepersian@say{Adding sep line between articles}
4351 \vspace*{10pt plus 10pt minus 5pt}
4352 \hrule
4353 \vspace*{10pt plus 5pt minus 5pt}
4354 \fi
4355
4356 }
4357 \newcommand{\xepersian@editorialTit}[2]{
4358 \setlength{\arrayrulewidth}{.1pt}
4359 \begin{center}
4360 \begin{tabular}{c}
4361 \noindent
4362 \xepersian@editorialTitle{#1}

```



```

4363 \vspace{2pt plus 1pt minus 1pt}
4364 \\
4365 \hline
4366 \vspace{2pt plus 1pt minus 1pt}
4367 \\
4368 \editorialAuthorFormat{#2}
4369 \end{tabular}
4370 \end{center}
4371 }
4372 \newenvironment{editorial}[4]
4373 {
4374 \xepersian@say{Adding a new editorial}
4375 \begin{multicols}{#1}[%
4376 \xepersian@editorialTit{#2}{#3}%
4377 ] [4cm]
4378 \label{#4}
4379 \ifnum #1 > \minraggedcols
4380 \raggedFormat
4381 \fi
4382 }
4383 {
4384 \end{multicols}
4385 }
4386 \newcommand{\xepersian@shortarticleTit}[2]{
4387 \begin{center}
4388 \vbox{%
4389 \noindent
4390 \xepersian@shortarticleTitle{#1}
4391 \vspace{4pt plus 2pt minus 2pt}
4392 \hrule
4393 \vspace{4pt plus 2pt minus 2pt}
4394 \xepersian@shortarticleSubtitle{#2}
4395 }
4396 \end{center}
4397 }
4398 \newenvironment{shortarticle}[4]
4399 {
4400 \xepersian@say{Adding a short article block}
4401 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4402 \label{#4}
4403 \par %
4404 \ifnum #1 > \minraggedcols
4405 \raggedFormat
4406 \fi
4407 }
4408 {
4409 \end{multicols}
4410 }
4411 \newcommand{\shortarticleitem}[2]{
4412 \goodbreak

```



```

4413 \vspace{5pt plus 3pt minus 3pt}
4414 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4415 \vspace{5pt plus 3pt minus 3pt}
4416 {\noindent #2}\}
4417 }

```

## 7.58 xepersian-mathsdigitspec.sty

```

4418 \NeedsTeXFormat{LaTeX2e}
4419 \ProvidesPackage{xepersian-mathsdigitspec}
4420 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4421 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4422 \let\newfam\new@mathgroup
4423 \def\select@group#1#2#3#4{%
4424 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4425 {%
4426 \ifmmode
4427 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4428 \begingroup
4429 \escapechar\m@ne
4430 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4431 \globaldefs\@ne \math@fonts
4432 \endgroup
4433 \init@restore@version
4434 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4435 {\number\csname c@mv@\math@version\endcsname}}}%
4436 \global\advance\csname c@mv@\math@version\endcsname\@ne
4437 \else
4438 \let#1\relax
4439 \@latex@error{Too many math alphabets used in
4440 version \math@version}%
4441 \@eha
4442 \fi
4443 \else \expandafter\non@alpherr\fi
4444 #1{#4}%
4445 }%
4446 }
4447 \def\document@select@group#1#2#3#4{%
4448 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4449 {%
4450 \ifmmode
4451 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4452 \begingroup
4453 \escapechar\m@ne
4454 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4455 \globaldefs\@ne \math@fonts
4456 \endgroup
4457 \expandafter\extract@alph@from@version
4458 \csname mv@\math@version\endcsname\expandafter\endcsname
4459 \expandafter{\number\csname

```



```

4460             c@mv@\math@version\endcsname}%
4461         #1%
4462         \global\advance\csname c@mv@\math@version\endcsname\@ne
4463     \else
4464         \let#1\relax
4465         \@latex@error{Too many math alphabets used
4466             in version \math@version}%
4467         \@eha
4468     \fi
4469 \else \expandafter\non@alpherr\fi
4470 #1{#4}%
4471 }%
4472 }
4473 \ExplSyntaxOn
4474 \bool_set_false:N \g__fontspec_math_bool
4475 \tl_map_inline:nn
4476 {
4477     \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4478     \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4479     \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4480     \version@list\version@elt\alpha@list\alpha@elt
4481     \restore@mathversion\init@restore@version\dorestore@version\process@table
4482     \new@mathversion\DeclareSymbolFont\group@list\group@elt
4483     \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4484     \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4485     \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4486     \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4487     \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4488     \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4489     \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4490 }
4491 {
4492     \tl_remove_once:Nn \@preamblecmds {\do#1}
4493 }
4494 \ExplSyntaxOff
4495 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4496 \newcommand\SetMathCode[4]{%
4497     \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4498 \newcommand\SetMathCharDef[4]{%
4499     \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4500 \ExplSyntaxOn
4501 \cs_new_eq:NN \orig_mathbf:n \mathbf
4502 \cs_new_eq:NN \orig_mathit:n \mathit
4503 \cs_new_eq:NN \orig_mathrm:n \mathrm
4504 \cs_new_eq:NN \orig_mathsf:n \mathsf
4505 \cs_new_eq:NN \orig_mathtt:n \mathtt
4506 \NewDocumentCommand \new@mathbf { m } {
4507     \orig_mathbf:n {
4508         \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4509             \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax

```



```

4510 }
4511 #1
4512 }
4513 }
4514 \NewDocumentCommand \new@mathit { m } {
4515 \orig_mathit:n {
4516 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4517 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4518 }
4519 #1
4520 }
4521 }
4522 \NewDocumentCommand \new@mathrm { m } {
4523 \orig_mathrm:n {
4524 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4525 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4526 }
4527 #1
4528 }
4529 }
4530 \NewDocumentCommand \new@mathsf { m } {
4531 \orig_mathsf:n {
4532 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4533 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4534 }
4535 #1
4536 }
4537 }
4538 \NewDocumentCommand \new@mathtt { m } {
4539 \orig_mathtt:n {
4540 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4541 \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4542 }
4543 #1
4544 }
4545 }
4546 }
4547 \DeclareDocumentCommand \setdigitfont { 0 { } m 0 { } }
4548 {
4549 \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4550 }
4551 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4552 {
4553 \let\glb@currsize\relax
4554 \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4555 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4556 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4557 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4558 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4559 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}

```



```

4560 \def\persianmathsdigits{%
4561 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4562 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4563 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4564 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4565 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4566 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4567 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4568 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4569 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4570 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4571 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

4572 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4573 \tl_set_eq:NN \mathbf \new@mathbf
4574 \tl_set_eq:NN \mathit \new@mathit
4575 \tl_set_eq:NN \mathrm \new@mathrm}
4576 }
4577
4578
4579 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4580 {
4581 \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4582 }
4583 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4584 {
4585 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4586 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4587 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4588 }
4589
4590
4591
4592 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4593 {
4594 \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4595 }
4596 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4597 {
4598 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4599 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4600 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4601 }
4602
4603 \ExplSyntaxOff
4604 \ifx\newcommand\undefined\else
4605 \newcommand{\ZifferAn}{}
4606 \fi
4607 \mathchardef\ziffer@DotOri="013A
4608 {\ZifferAn

```



```

4609 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4610 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4611 \def\ziffer@check#1#2{%
4612   \ifx\n1\endgroup#1\else
4613     \ifx\n2\endgroup#1\else
4614       \ifx\n3\endgroup#1\else
4615         \ifx\n4\endgroup#1\else
4616           \ifx\n5\endgroup#1\else
4617             \ifx\n6\endgroup#1\else
4618               \ifx\n7\endgroup#1\else
4619                 \ifx\n8\endgroup#1\else
4620                   \ifx\n9\endgroup#1\else
4621                     \ifx\n0\endgroup#1\else
4622                       \ifx\n\overline\endgroup#1\else
4623                         \endgroup#2%
4624                       \fi
4625                     \fi
4626                   \fi
4627                 \fi
4628               \fi
4629             \fi
4630           \fi
4631         \fi
4632       \fi
4633     \fi
4634   \fi}
4635 \mathcode`.="8000\relax
4636 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4637 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4638 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4639 \def\DefaultMathsDigits{%
4640   \DefaultInlineMathsDigits%
4641   \DefaultDisplayMathsDigits%
4642 }
4643 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4644   \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4645   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4646   \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4647 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4648   \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4649   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4650   \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4651 \def\PersianMathsDigits{%
4652   \PersianInlineMathsDigits%
4653   \PersianDisplayMathsDigits%
4654 }
4655 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
4656   \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4657   \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4658   \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}

```





```

4659 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4660 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4661 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4662 \ifx\persianmathstdigits\undefined\else\if@nonlatin\persianmathstdigits\fi\fi}}
4663 \def\AutoMathsDigits{%
4664   \AutoInlineMathsDigits%
4665   \AutoDisplayMathsDigits%
4666 }
4667 \AutoMathsDigits
4668 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
4669   \let\SetDisplayMathsDigits\relax%
4670 }
4671 \everydisplay\expandafter{%
4672   \the\everydisplay\SetDisplayMathsDigits%
4673   \let\SetInlineMathsDigits\relax%
4674 }

```

## 7.59 xepersian-multiplechoice.sty

```

4675 \NeedsTeXFormat{LaTeX2e}
4676 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4677   Multiple Choice Questionnaire class for Persian in XeLaTeX]
4678 \RequirePackage{pifont}
4679 \RequirePackage{fullpage}
4680 \RequirePackage{ifthen}
4681 \RequirePackage{calc}
4682 \RequirePackage{verbatim}
4683 \RequirePackage{tabularx}
4684 \def\@headerfont{\bfseries}
4685 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4686 \def\@X{X}
4687 \newcommand\X[1]{\gdef\@X{#1}}
4688 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4689 \newcolumnntype{D}{>{\pbs\centering}X}
4690 \newcolumnntype{Q}{>{\@headerfont}X}
4691
4692 \renewcommand\tabularxcolumn[1]{m{#1}}
4693 \newcommand\makeform@nocorrection{%
4694   \addtocontents{frm}{\protect\end{tabularx}}
4695   \@starttoc{frm}}
4696 \newcommand\makeform@correction{%
4697   \addtocontents{frm}{\protect\end{tabularx}}}
4698 \newcommand\makemask@nocorrection{%
4699   \addtocontents{msk}{\protect\end{tabularx}}
4700   \@starttoc{msk}}
4701 \newcommand\makemask@correction{%
4702   \addtocontents{msk}{\protect\end{tabularx}}}
4703 \newlength\questionspace
4704 \setlength\questionspace{0pt}
4705 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}

```



```

4706 \def\@answerstitlefont{\bfseries}
4707 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4708 \def\@answernumberfont{\bfseries}
4709 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4710 \newcounter{question}\stepcounter{question}
4711 \newcounter{@choice}
4712 \def\@initorcheck{%
4713   \xdef\@choices{\the@choice}%
4714   \setcounter{@choice}{1}%
4715   \gdef\@arraydesc{|Q||}%
4716   \gdef\@headerline{%
4717     \whiledo{\not{\value{@choice}>\@choices}}{
4718       \xdef\@arraydesc{\@arraydesc D|}
4719       \def\@appendheader{\g@addto@macro\@headerline}
4720       \@appendheader{&\protect\@headerfont}
4721       \edef\@the@choice{\alph{@choice}}
4722       \expandafter\@appendheader\@the@choice
4723       \stepcounter{@choice}}%
4724   \addtocontents{frm}{%
4725     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4726     \protect\hline
4727     \@headerline\protect\\\protect\hline\protect\hline}%
4728   \addtocontents{msk}{%
4729     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4730     \protect\hline
4731     \@headerline\protect\\\protect\hline\protect\hline}%
4732   \gdef\@initorcheck{%
4733     \ifthenelse{\value{@choice} = \@choices}{}{%
4734       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4735         (\the@choice\space instead of \@choices)}{%
4736         Questions must all have the same number of proposed answers.%
4737       \MessageBreak
4738       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4739 \newenvironment{question}[1]{%
4740   %% \begin{question}
4741   \begin{minipage}{\textwidth}
4742     \xdef\@formanswerline{\@questionheader}%
4743     \xdef\@maskanswerline{\@questionheader}%
4744     \fbox{\parbox[c]{\linewidth}{#1}}
4745     \vspace\questionspace\par
4746     {\@answerstitlefont\@answerstitle}
4747     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4748   %% \end{question}
4749   \end{list}
4750   \@initorcheck%
4751   \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4752   \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4753   \end{minipage}
4754   \stepcounter{question}}
4755 \def\@truesymbol{\ding{52}~}

```



```

4756 \def\@falsesymbol{\ding{56}~}
4757 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4758 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4759 \def\@true@nocorrection{\item}
4760 \def\@false@nocorrection{\item}
4761 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
4762 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
4763 \newcommand\true{%
4764   \xdef\@formanswerline{\@formanswerline&}%
4765   \xdef\@maskanswerline{\@maskanswerline&\@X}%
4766   \@true}%
4767 \newcommand>false{%
4768   \xdef\@formanswerline{\@formanswerline&}%
4769   \xdef\@maskanswerline{\@maskanswerline&}%
4770   \@false}%
4771 \def\@correctionstyle{\itshape}
4772 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4773 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4774 \def\@questionheader{ \thequestion}
4775 \answerstyle{ \thequestion}
4776 \DeclareOption{nocorrection}{%
4777   \let\@true\@true@nocorrection
4778   \let\@false\@false@nocorrection
4779   \let\correction\comment
4780   \let\endcorrection\endcomment
4781   \def\makeform{\makeform@nocorrection}
4782   \def\makemask{\makemask@nocorrection}}
4783 \DeclareOption{correction}{%
4784   \let\@true\@true@correction
4785   \let\@false\@false@correction
4786   \let\correction\@correction
4787   \let\endcorrection\end@correction
4788   \def\makeform{\makeform@correction}
4789   \def\makemask{\makemask@correction}}
4790 \ExecuteOptions{nocorrection}
4791 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4792 \def\@questiontitlefont{\bfseries}
4793 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4794 \newlength\questiontitlespace
4795 \setlength\questiontitlespace{5pt}
4796 \newlength\questionsepspace
4797 \setlength\questionsepspace{20pt}
4798 \gdef\@questionsepspace{0pt}
4799 \let\old@question\question
4800 \let\old@endquestion\endquestion
4801 \renewenvironment{question}[1]{%
4802   %% \begin{question}
4803   \vspace\@questionsepspace
4804   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4805   \nopagebreak\vspace\questiontitlespace\par

```



```

4806 \old@question{#1}}{%
4807 %% \end{question}
4808 \old@endquestion
4809 \gdef\@questionsepspace{\questionsepspace}}
4810 \questiontitle{ \thequestion:}
4811 \ProcessOptions

```

## 7.60 xepersian-persiancal.sty

```

4812 \NeedsTeXFormat{LaTeX2e}
4813 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4814
4815 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4816 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4817 \newcount\XePersian@latini \newcount\XePersian@persiani
4818 \newcount\XePersian@latinii \newcount\XePersian@persianii
4819 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4820 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4821 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4822 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4823 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4824 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4825 \newcount\XePersian@latinix \newcount\XePersian@persianix
4826 \newcount\XePersian@latinx \newcount\XePersian@persianx
4827 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4828 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4829 \newcount\XePersian@persianxiii
4830
4831 \newcount\XePersian@temp
4832 \newcount\XePersian@temptwo
4833 \newcount\XePersian@tempthree
4834 \newcount\XePersian@yModHundred
4835 \newcount\XePersian@thirtytwo
4836 \newcount\XePersian@dn
4837 \newcount\XePersian@sn
4838 \newcount\XePersian@mminusone
4839
4840
4841 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4842 \XePersian@temp=\XePersian@y
4843 \divide\XePersian@temp by 100\relax
4844 \multiply\XePersian@temp by 100\relax
4845 \XePersian@yModHundred=\XePersian@y
4846 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4847 \ifodd\XePersian@yModHundred
4848 \XePersian@leapfalse
4849 \else
4850 \XePersian@temp=\XePersian@yModHundred
4851 \divide\XePersian@temp by 2\relax
4852 \ifodd\XePersian@temp\XePersian@leapfalse

```



```

4853 \else
4854 \ifnum\XePersian@yModHundred=0%
4855 \XePersian@temp=\XePersian@y
4856 \divide\XePersian@temp by 400\relax
4857 \multiply\XePersian@temp by 400\relax
4858 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4859 \else\XePersian@leaptrue
4860 \fi
4861 \fi
4862 \fi
4863 \XePersian@latini=31\relax
4864 \ifXePersian@leap
4865 \XePersian@latinii = 29\relax
4866 \else
4867 \XePersian@latinii = 28\relax
4868 \fi
4869 \XePersian@latiniii = 31\relax
4870 \XePersian@latiniv = 30\relax
4871 \XePersian@latin v = 31\relax
4872 \XePersian@latinvi = 30\relax
4873 \XePersian@latin vii = 31\relax
4874 \XePersian@latin viii = 31\relax
4875 \XePersian@latin ix = 30\relax
4876 \XePersian@latin x = 31\relax
4877 \XePersian@latin xi = 30\relax
4878 \XePersian@latin xii = 31\relax
4879 \XePersian@thirtytwo=32\relax
4880 \XePersian@temp=\XePersian@y
4881 \advance\XePersian@temp by -17\relax
4882 \XePersian@temptwo=\XePersian@temp
4883 \divide\XePersian@temptwo by 33\relax
4884 \multiply\XePersian@temptwo by 33\relax
4885 \advance\XePersian@temp by -\XePersian@temptwo
4886 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4887 \else
4888 \XePersian@temptwo=\XePersian@temp
4889 \divide\XePersian@temptwo by 4\relax
4890 \multiply\XePersian@temptwo by 4\relax
4891 \advance\XePersian@temp by -\XePersian@temptwo
4892 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4893 \fi
4894 \XePersian@tempthree=\XePersian@y % Number of Leap years
4895 \advance\XePersian@tempthree by -1
4896 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4897 \divide\XePersian@temp by 4\relax
4898 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4899 \divide\XePersian@temptwo by 100\relax
4900 \advance\XePersian@temp by -\XePersian@temptwo
4901 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4902 \divide\XePersian@temptwo by 400\relax

```



```

4903 \advance\XePersian@temp by \XePersian@temptwo
4904 \advance\XePersian@tempthree by -611 % Number of Kabise years
4905 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4906 \divide\XePersian@temptwo by 33\relax
4907 \multiply\XePersian@temptwo by 8\relax
4908 \advance\XePersian@temp by -\XePersian@temptwo
4909 \XePersian@temptwo=\XePersian@tempthree %
4910 \divide\XePersian@temptwo by 33\relax
4911 \multiply\XePersian@temptwo by 33\relax
4912 \advance\XePersian@tempthree by -\XePersian@temptwo
4913 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
4914 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4915 \advance\XePersian@temp by -\XePersian@tempthree
4916 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4917 \XePersian@persiani=31
4918 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4919 \XePersian@persianii = 30\relax
4920 \ifXePersian@kabiseh
4921 \XePersian@persianiii = 30\relax
4922 \else
4923 \XePersian@persianiii = 29\relax
4924 \fi
4925 \XePersian@persianiv = 31\relax
4926 \XePersian@persianv = 31\relax
4927 \XePersian@persianvi = 31\relax
4928 \XePersian@persianvii = 31\relax
4929 \XePersian@persianviii= 31\relax
4930 \XePersian@persianix = 31\relax
4931 \XePersian@persianx = 30\relax
4932 \XePersian@persianxi = 30\relax
4933 \XePersian@persianxii = 30\relax
4934 \XePersian@persianxiii= 30\relax
4935 \XePersian@dn= 0\relax
4936 \XePersian@sn= 0\relax
4937 \XePersian@mminusone=\XePersian@m
4938 \advance\XePersian@mminusone by -1\relax
4939 \XePersian@i=0\relax
4940 \ifnum\XePersian@i < \XePersian@mminusone
4941 \loop
4942 \advance \XePersian@i by 1\relax
4943 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4944 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4945 \fi
4946 \advance \XePersian@dn by \XePersian@d
4947 \XePersian@i=1\relax
4948 \XePersian@sn = \XePersian@persiani
4949 \ifnum \XePersian@sn<\XePersian@dn
4950 \loop
4951 \advance \XePersian@i by 1\relax
4952 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname

```



```

4953 \ifnum \XePersian@sn<\XePersian@dn \repeat
4954 \fi
4955 \ifnum \XePersian@i < 4
4956   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4957   \advance \XePersian@y by -622\relax
4958 \else
4959   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4960   \advance \XePersian@y by -621\relax
4961 \fi
4962 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4963 \endcsname
4964 \ifnum\XePersian@i = 1
4965   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
4966 \else
4967   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4968 \fi
4969 \newcommand*{\persiantoday}{\%
4970 \number\XePersian@d\space%
4971 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4972 }
4973 \let\persianyear\XePersian@y
4974 \let\persianmonth\XePersian@m
4975 \let\persianday\XePersian@d
4976 \def\XePersian@persian@month#1{\ifcase#1\or or\
4977 or\
4978 or\   or\
4979 or\
4980 or\   or\
4981 or\   or\
4982 or\   or\
4983 \fi\

```



## Index

Symbols	
\!	2180
\%	4571
\.	4609
\@and	2960
\@if@newlist	1304, 1324
\@math	166
\@maybeautodot	2395, 2396, 2414, 2429, 2430, 2448, 2459, 2460, 2478
\@par	1707
\Abjad	1209, 2968, 2976, 2977, 3434, 3435
\Alph	2408, 2442, 2472, 3234, 3237, 3430, 3435
\DeclareMathDelimiter	4487
\DeclareMathSizes	4478
\False	154, 156
\Kashida@onfalse	1447
\Kashida@ontrue	1446
\LTRfootnotetext	1737
\LTRmarginparreset	2874
\Latincitex	73, 74, 1971, 1980, 2170, 2882, 2883
\M	170, 3010, 3111, 3206
\Mi	166
\Mii	1630
\Miii	1632
\RTL@footnotefalse	2865, 2869, 3367
\RTL@footnotetrue	2867, 2870, 3365
\RTLfalse	136, 148, 161, 3320, 3327, 3349
\RTLfootnotetext	1738
\RTLtabfalse	3335
\RTLtabtrue	3333
\RTLtrue	3318, 3325, 3347
\Roman	2410, 2444, 2474
\SepMark	1566
\SetTab	2484
\True	149, 155
\@X	4686, 4687, 4765
\@abjad	1210, 3195, 3214, 3215, 3429, 3430
\@acol	1862, 1870
\@acolampacol	1860, 1862, 1868, 1870
\@adadi	1207, 2406, 2440, 2470, 2984, 2986, 2989
\@addamp	1861, 1869
\@addtopreamble	1829
\@alph	2409, 2443, 2473, 2485, 3233, 3236, 3429, 3434
\@ampacol	1860, 1868
\@answernumberfont	4708, 4709, 4747
\@answerstitle	4705, 4746
\@answerstitlefont	4706, 4707, 4746
\@appendheader	4719, 4720, 4722
\@arrayclassz	1860
\@arraydesc	4715, 4718, 4725, 4729
\@arrayrule	1808, 1809, 1810, 1852, 1853, 1854
\@author	3825, 3837
\@autodottrue	2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476
\@auxout	2888, 3466, 3470
\@begin@tempboxa	1707
\@biblabel	1972, 1981
\@bibsetup	1973, 1982
\@bidi@list@minipage@parbox@not@nobtrue	1704, 1726
\@bidi@list@minipage@parboxtrue	



..... 1705, 1727  
 \@bidi@strip@v@xepersianversion  
 . 2548, 2550, 2556, 2562  
 \@bidi@tuftesidenote@LTRmarginfont  
 ..... 86  
 \@bidi@tuftesidenote@RTLmarginfont  
 ..... 88  
 \@bsphack ..... 1629  
 \@capttype . 1617, 1680, 1927, 1937  
 \@ccclvi ..... 4421, 4427, 4451  
 \@chapapp . . 30, 102, 113, 120, 132,  
 1285, 1297, 1572, 2362, 2369,  
 2376, 2384, 2425, 2455  
 \@chclass . 1742, 1750, 1758, 1773,  
 1787, 1792, 1807, 1823, 1843,  
 1851, 1881, 1904, 1918  
 \@chnum 1744, 1745, 1746, 1747, 1748,  
 1749, 1759, 1766, 1780, 1793,  
 1800, 1816, 1829, 1845, 1846,  
 1847, 1848, 1849, 1850, 1864,  
 1872, 1882, 1889, 1911  
 \@choices . 4713, 4717, 4733, 4735  
 \@cite 1959, 1966, 1978, 1994, 2083,  
 2885  
 \@cite@ofmt ..... 2893  
 \@citea . . 1999, 2013, 2027, 2036,  
 2037, 2038, 2043, 2058, 2066,  
 2067, 2068, 2102, 2118, 2136,  
 2884, 2886  
 \@citeb . . 1995, 1997, 1999, 2002,  
 2004, 2005, 2007, 2030, 2061,  
 2084, 2086, 2088, 2091, 2093,  
 2094, 2096, 2885, 2887, 2888,  
 2889, 2892, 2893  
 \@citex ..... 1970, 1979  
 \@classx ..... 1826  
 \@classz ..... 1826  
 \@correction ..... 4786  
 \@correctionstyle . . 4771, 4772,  
 4773  
 \@ctrerr ..... 2975, 2980  
 \@currbox . 1637, 1683, 1687, 1926,  
 1930, 1936, 1940  
 \@currenvir . . 2244, 2246, 2247  
 \@customlogo ..... 3925, 3934  
 \@custommagazinename 3694, 3927  
 \@customminilogo . . . 3926, 3940  
 \@customwwwTxt . 3655, 3658, 3710  
 \@date ..... 3828, 3838  
 \@dgroup ..... 148  
 \@dmath ..... 136, 165  
 \@doendpe ..... 2261  
 \@dseries ..... 161  
 \@eha ..... 4441, 4467  
 \@empty ..... 151, 1624,  
 1984, 1994, 1997, 2083, 2086,  
 2215, 2884, 2887, 3069, 3075,  
 3078, 3081, 3186, 3836, 3837,  
 3838, 3839  
 \@emptytoks ..... 150  
 \@enGroup ..... 1199  
 \@enLabel . . 1190, 1191, 1192, 1193,  
 1194, 1195, 1196, 1197  
 \@enOther ..... 1201  
 \@enSpace ..... 1198  
 \@end@tempboxa ..... 1722  
 \@endpbox ..... 1836, 1837  
 \@enhook ..... 1202  
 \@enloop@ ..... 1189  
 \@entemp 1190, 1191, 1192, 1193, 1194,  
 1195, 1196, 1197, 1198, 1199,  
 1200  
 \@enum@ ..... 1200  
 \@extra@b@citeb .....  
 . . 1999, 2005, 2007, 2030,  
 2061, 2088, 2094, 2096  
 \@extrafootnotefeaturesfalse .  
 ..... 3387  
 \@extrafootnotefeaturestrue .  
 ..... 3385  
 \@false ..... 4770, 4778, 4785  
 \@false@correction . 4762, 4785  
 \@false@nocorrection 4760, 4778  
 \@falsesymbol . . 4756, 4758, 4762  
 \@firstampfalse . . . 1862, 1870  
 \@firstofone . . . 1382, 1383, 1997,  
 2086, 2887, 4424, 4448  
 \@firstoftwo . . . 2551, 2557, 2563  
 \@float@HH ..... 1923, 1924  
 \@float@Hx ..... 1922, 1923  
 \@float@ ..... 1923, 1934  
 \@floatboxreset 1693, 1932, 1942



<code>\@floatcapt</code> . . . . .	1927, 1937	<code>\@ifstar</code> . . . . .	2163
<code>\@floatpenalty</code> .	1630, 1632, 1635	<code>\@ifundefined</code> . . .	72, 1999, 2005, 2088, 2094, 2889
<code>\@flstylefalse</code> . . . . .	1929, 1939	<code>\@ignoretrue</code> . . . . .	172
<code>\@flstyletrue</code> . . . . .	1929, 1939	<code>\@iiiminipage</code> . . . . .	1723
<code>\@fltovf</code> . . . . .	1685	<code>\@iiiparbox</code> . . . . .	1701
<code>\@footnotetext</code> . . . . .	1736	<code>\@indexfile</code> . . .	3395, 3407, 3419
<code>\@for</code> . . . . .	1995, 2084, 2885	<code>\@initorcheck</code> . .	4712, 4732, 4750
<code>\@formanswerline</code> . . .	4742, 4751, 4764, 4768	<code>\@inlabelfalse</code> . . . . .	139
<code>\@fps</code> . .	1618, 1619, 1621, 1624, 1641	<code>\@input@</code> . . . . .	3397, 3409, 3421
<code>\@fpsadddefault</code> . . . .	1622, 1625	<code>\@lastchclass</code> . .	1742, 1743, 1759, 1760, 1761, 1762, 1764, 1793, 1794, 1795, 1796, 1798, 1843, 1844, 1860, 1868, 1882, 1883, 1884, 1885, 1887
<code>\@freelist</code> . . . . .	1637	<code>\@latex@error</code> . . . . .	4439, 4465
<code>\@gobble</code> . .	1200, 1312, 1313, 1314, 2548	<code>\@latex@warning</code> . . . . .	2891
<code>\@harfi</code> . . . . .	12, 20, 31, 34, 43, 49, 55, 61, 103, 114, 121, 133, 1208, 1275, 1286, 1298, 1404, 1573, 2363, 2370, 2377, 2385, 2392, 2405, 2426, 2439, 2456, 2469, 2978, 2981, 2982	<code>\@latinAlph</code> . . . . .	3234, 3237
<code>\@headerfont</code> . .	4684, 4685, 4690, 4720	<code>\@latinalph</code> . .	2485, 3233, 3236, 3239
<code>\@headerline</code> . . .	4716, 4719, 4727, 4731	<code>\@listdepth</code> . . . . .	1739
<code>\@ifclassloaded</code> . . . . .	3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3393, 3405, 3417	<code>\@m</code> .	1976, 2886, 3009, 3110, 3204
<code>\@ifdefinable</code> . . . . .	2279, 2281	<code>\@mainmatterfalse</code> .	97, 108, 126, 1279, 2419
<code>\@ifdefinitionfileloaded</code>	1614, 1757, 1790, 1880, 1921, 3249, 3250	<code>\@maskanswerline</code> . . .	4743, 4752, 4765, 4769
<code>\@ifnextchar</code> . . .	1923, 2164, 2170, 2882	<code>\@memfront</code> . . . . .	1564
<code>\@ifnum</code> .	2101, 2103, 2105, 2112, 2113, 2116, 2128, 2151, 2153	<code>\@minipagefalse</code> . . . . .	2879
<code>\@ifpackageloaded</code>	76, 1488, 1492, 2173, 2177, 2269, 2277, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268	<code>\@minipagerestore</code> . . . . .	1740
		<code>\@minipagetrue</code> . . . . .	2878
		<code>\@mpLTrfootnotetext</code> . . . .	1737
		<code>\@mpRTLfootnotetext</code> . . . .	1738
		<code>\@mpargs</code> . . . . .	1729
		<code>\@mpfn</code> . . . . .	1735
		<code>\@mpfootnotetext</code> . . . . .	1736
		<code>\@mplistdepth</code> . . . . .	1739
		<code>\@namedef</code>	1953, 2007, 2096, 2260
		<code>\@one</code> . . . . .	1647, 1653, 1746, 1747, 1750, 1759, 1769, 1770, 1774, 1793, 1803, 1804, 1808, 1809, 1810, 1847, 1848, 1852, 1853, 1854, 1882, 1892, 1893, 1905, 2101, 2113, 2115, 2128, 2136, 2854, 2929, 2996, 3037, 3044, 3056, 3061, 3097, 3138, 3145, 3157, 3162,



3486, 3487, 3488, 4431, 4436,  
 4455, 4462  
 \@newlistfalse ..... 1305  
 \@next ..... 1637  
 \@nextchar ..... 1765,  
 1767, 1768, 1769, 1770, 1771,  
 1772, 1774, 1775, 1776, 1777,  
 1778, 1781, 1782, 1783, 1784,  
 1785, 1786, 1799, 1801, 1802,  
 1803, 1804, 1805, 1806, 1808,  
 1809, 1810, 1811, 1812, 1813,  
 1814, 1817, 1818, 1819, 1820,  
 1821, 1822, 1834, 1836, 1837,  
 1888, 1890, 1891, 1892, 1893,  
 1894, 1895, 1896, 1897, 1898,  
 1899, 1900, 1901, 1902, 1903,  
 1905, 1906, 1907, 1908, 1909,  
 1912, 1913, 1914, 1916, 1917  
 \@nextchar ..... 1915  
 \@nil 2190, 2194, 2195, 2200, 2202,  
 3027, 3030, 3128, 3131  
 \@nodocument ..... 1616  
 \@nonlatinfalse .... 2844, 3340  
 \@nonlatintrue .... 2855, 3342  
 \@onelevel@sanitize ..... 1619  
 \@outputbox ..... 1322  
 \@outputpage ..... 1300  
 \@parboxrestore 1305, 1692, 1707,  
 1734, 1931, 1941  
 \@parboxto ..... 1710, 1719  
 \@parmoderr ..... 1635  
 \@pboxswfalse ..... 1703, 1725  
 \@pboxswtrue ..... 1717  
 \@ppsavesec ..... 25  
 \@preamble ..... 1863, 1871  
 \@preamblecmds ..... 4492  
 \@preamerr 1753, 1787, 1823, 1857,  
 1918  
 \@questionheader ... 4742, 4743,  
 4774  
 \@questionsepspace . 4798, 4803,  
 4809  
 \@questiontitle .... 4791, 4804  
 \@questiontitlefont 4792, 4793,  
 4804  
 \@resetactivechars ..... 1303  
 \@resets@pp ..... 24, 1388, 1389  
 \@roman ..... 2411, 2445, 2475  
 \@safe@activesfalse 1998, 2087  
 \@safe@activetrue . 1996, 2085  
 \@secondoftwo . 2553, 2559, 2565  
 \@setfontsize .....  
 .. 3625, 3631, 3633, 3636,  
 3643, 3649, 3650, 3651, 3652,  
 3653  
 \@setfpsbit 1657, 1660, 1663, 1666,  
 1669, 1672  
 \@setminipage ..... 1741  
 \@setnobreak ..... 1932, 1942  
 \@sharp ... 1865, 1866, 1867, 1873,  
 1874, 1875  
 \@smemfront ..... 1565  
 \@sptoken ..... 1198  
 \@startpbox ..... 1836, 1837  
 \@starttoc ... 2945, 4695, 4700  
 \@stop ..... 2396, 2430, 2460  
 \@sx@xepersian@localize@verbatim  
 ..... 1953  
 \@tabclassz ..... 1868  
 \@tartibi ..... 9, 16,  
 39, 45, 51, 57, 94, 105, 116,  
 128, 1206, 1271, 1281, 1293,  
 1401, 1567, 1568, 2358, 2365,  
 2372, 2380, 2388, 2407, 2421,  
 2441, 2451, 2471, 3090, 3092,  
 3095  
 \@tempa 1190, 1191, 1192, 1193, 1194,  
 1195, 1196, 1197, 1198, 1199,  
 1200, 1201, 1204, 2200, 2202,  
 2285, 2286, 2287, 2288, 2289,  
 2290, 2291, 2292, 2293, 2294,  
 2295  
 \@tempboxa ..... 1730  
 \@tempc .. 2215, 2228, 2238, 2240,  
 2241, 2244, 2252  
 \@tempcnta ..... 1639,  
 1645, 1647, 1651, 1653, 1675,  
 1676, 1682, 1683, 1827, 2110,  
 2111, 2112, 2115, 2116  
 \@tempcntb .... 1680, 1681, 1682  
 \@tempdima 1706, 1707, 1728, 1732  
 \@tempdimb 1709, 1710, 3498, 3499



\@tempswafalse . . . . .	2128, 2882	
\@tempswattrue . . . . .	2127, 2882	2732, 2734, 2753, 2755, 2774,
\@temptokena . . . . .	2201, 2208, 2213,	2776, 2795, 2797, 2816, 2818,
	2219, 2226, 2236, 2250	4549, 4551, 4581, 4583, 4594,
\@testpach . . . . .	1742, 1758, 1792, 1843,	4596
	1881	\  . . . . . 4102
\@tfor . . . . .	1640, 2285	\~ . . . . . 2181
\@thanks . . . . .	3830, 3836	
\@the@choice . . . . .	4721, 4722	\_ . . . . 1343, 1345, 2886, 3033, 3039,
\@themargin . . . . .	1318	3058, 3064, 3134, 3140, 3159,
\@title . . . . .	3818, 3839	3169, 3701, 3710
\@true . . . . .	4766, 4777, 4784	
\@true@correction . . . . .	4761, 4784	A
\@true@nocorrection . . . . .	4759, 4777	\abj@num@i . . . . . 3200, 3217, 3224
\@truesymbol . . . . .	4755, 4757, 4761	\abj@num@ii . . . . . 3202, 3221, 3228
\@verbatim . . . . .	1950, 1953, 2258, 2260,	\abj@num@iii . . . . . 3204, 3225, 3231
	2271	\abj@num@iv . . . . . 3206, 3229
\@vobeyspaces . . . . .	1950, 2258	\Abjad . . . . . 1209, 1214, 2976
\@warning . . . . .	2257	\abjad . . . . . 1210, 1215, 3214
\@x@xepersian@localize@verbatim		\abjad@zero . . . . . 3216, 3220
	1950	\Abjadnumeral . . . . . 2977
\@xDeclareMathDelimiter . . . . .	4487	\abjadnumeral . . . . . 3215
\@xepersian@@computeautoilgfalse		\abovedisplayshortskip . . . . .
	3460	. . . . . 3628, 3629, 3639, 3640,
\@xepersian@@computeautoilgtrue		3646, 3647
	3458	\abovedisplayskip . . . . . 3626, 3627,
\@xepersian@@fontsize@scale . . . . .	2838, 2842, 2853, 2861	3637, 3638, 3644, 3645
\@xepersian@info . . . . .	2523, 2545,	\abstractname . . . . . 2957
	2547	\active . . . . . 2181, 4609
\@xfloat . . . . .	1615, 1922, 1923	\adadi . . . . . 1191, 1207, 1212, 2399, 2433,
\@xxDeclareMathDelimiter . . . . .	4486	2463, 2983
\@xxxii . . . . .	1681	\adadinumeral . . . . . 2989
@\ . . . . .	1594, 1595	\AddEnumerateCounter . . . . . 1206, 1207,
@\ . . . . .	1590, 1591, 1593	1208, 1209, 1210
@\ . . . . .	2172	\addfontfeatures . . . . . 136, 148, 161
] \ . . . . .	2180	\addtocontents . . . . . 4694, 4697, 4699,
\ \ . . . . .	1947, 2180, 3786,	4702, 4724, 4728, 4751, 4752
	4101, 4102, 4364, 4367, 4416,	\addtolength . . . . .
	4688, 4727, 4731, 4751, 4752	. . . . . 3853, 3854, 3857, 4276,
\{ . . . . .	1946, 2180	4277, 4278, 4279, 4343
\} . . . . .	1946, 2180	\addtoversion . . . . . 4479
\] . . . . .	2180	\adl@argarraydashrule . . . . . 1810, 1854
\^ . . . . .	2181	\adl@arraydashrule . . . . . 1809, 1853
\_ . . . . .	2600, 2602, 2621, 2623, 2644,	\adl@arrayrule . . . . . 1808, 1852
	2646, 2662, 2664, 2711, 2713,	\adl@box . . . . . 1834, 1836, 1837
		\adl@class@iiiorvii . . . . . 1840, 1877



<code>\adl@class@start</code> . . .	1839, 1876	<code>\appendix</code> . . . . .	10, 17,
<code>\adl@endmbox</code> . . . . .	1835		40, 46, 52, 58, 99, 110, 117,
<code>\adl@putlrc</code> 1831, 1832, 1833, 1865,			129, 1272, 1282, 1294, 1372,
1866, 1867, 1873, 1874, 1875			1373, 1402, 1569, 2359, 2366,
<code>\adl@startmbox</code> . . . . .	1834		2373, 2381, 2389, 2422, 2452
<code>\advance</code> . . . . .		<code>\appendixautorefname</code> . . . . .	1361
	1346, 1647, 1653, 1676, 1682,	<code>\appendixname</code> . . . . .	11, 19,
	2115, 2929, 2931, 3617, 3621,		30, 102, 113, 120, 132, 1285,
	3889, 3892, 4436, 4462, 4846,		1297, 1403, 1572, 2362, 2369,
	4881, 4885, 4891, 4895, 4900,		2376, 2384, 2425, 2455, 2954
	4903, 4904, 4908, 4912, 4913,	<code>\arabic</code> . . . . .	1197
	4915, 4916, 4918, 4938, 4942,	<code>\arrayrulewidth</code> . . . . .	4358
	4943, 4946, 4951, 4952, 4956,	<code>\articlesep</code> . . . . .	4340
	4957, 4959, 4960, 4962, 4965,	<code>\AtBeginDocument</code> . . . . .	71,
	4967		1371, 1460, 1953, 2160, 2265,
<code>\aftergroup</code> . . . . .	1307, 1309		3615, 3619
<code>\ALG@name</code> . . . . .	5, 7	<code>\AtEndOfClass</code> . . . . .	3613
<code>\algorithmicensure</code> . . . . .	3	<code>\author</code> . . . . .	3841
<code>\algorithmicrequire</code> . . . . .	2	<code>\authorandplace</code> . . . . .	4314
<code>\ALGS@name</code> . . . . .	6, 7	<code>\AutoDisplayMathsDigits</code> .	3310,
<code>\aliasfontfeature</code> . .	1504, 1505,		4659, 4665
	1506, 1507, 1508, 1509, 1510,	<code>\autofootnoterule</code> . . . . .	3353
	1511, 1512, 1513, 1514, 1515,	<code>\AutoInlineMathsDigits</code> . .	3302,
	1516, 1517, 1518, 1519, 1520,		4655, 4664
	1521, 1522, 1523, 1524, 1525,	<code>\AutoMathsDigits</code> . . .	3294, 4663,
	1526, 1527, 1528, 1529, 1530,		4667
	1531, 1532, 1533, 1534, 1535,		
	1536, 1537, 1538, 1539, 1540,		
	1541, 1542, 1543, 1544, 1545,		
	1546, 1547, 1548, 1549, 1550,		
	1551, 1552, 1553, 1554, 1555,		
	1556		
<code>\aliasfontfeatureoption</code> .	1557,		
	1558, 1559, 1560, 1561, 1562		
<code>\alloc@</code> . . . . .	4421		
<code>\Alph</code> .	1193, 1375, 1376, 2401, 2435,		
	2465		
<code>\alph</code> 1194, 2402, 2436, 2466, 2492,			
	4721, 4747		
<code>\alpha@elt</code> . . . . .	4480		
<code>\alpha@list</code> . . . . .	4480		
<code>\anappendixtrue</code> . . . . .	1574		
<code>\and</code> . . . . .	3843		
<code>\answernumberfont</code> . . . . .	4709		
<code>\answerstitle</code> . . . . .	4705, 4775		
<code>\answerstitlefont</code> . . . . .	4707		
		<code>\begin</code> 2174, 2175, 2869, 2870, 2943,	
			3669, 3672, 3725, 3740, 3753,
			3759, 3780, 3811, 3817, 3824,
			3848, 3902, 3908, 3980, 3983,
			3988, 3995, 4010, 4025, 4042,
			4076, 4094, 4099, 4119, 4126,
			4127, 4148, 4150, 4151, 4173,
			4178, 4179, 4215, 4216, 4224,
			4250, 4258, 4264, 4265, 4273,
			4303, 4327, 4359, 4360, 4375,
			4387, 4401, 4725, 4729, 4740,
			4741, 4747, 4802
		<code>\begingroup</code> . . . . .	144, 1301,
			1945, 2162, 2178, 2258, 2260,







2696, 2699, 2717, 2738, 2759,  
 2780, 2801, 2822, 2881  
 \DeclareSymbolFont . . . . .  
 . . 4482, 4556, 4557, 4558,  
 4559, 4586, 4599  
 \DeclareSymbolFontAlphabet . .  
 . . . . . 4489  
 \DeclareSymbolFontAlphabet@ .  
 . . . . . 4489  
 \DeclareTextFontCommand . . . . .  
 . . 2702, 2703, 2704, 2705,  
 2706, 2707  
 \def . . . . . 2, 3, 5, 6, 7, 10,  
 12, 15, 17, 20, 63, 64, 77, 92,  
 136, 148, 161, 168, 172, 1189,  
 1190, 1191, 1192, 1193, 1194,  
 1195, 1196, 1197, 1300, 1338,  
 1340, 1342, 1344, 1355, 1356,  
 1357, 1358, 1359, 1360, 1361,  
 1362, 1363, 1364, 1365, 1366,  
 1367, 1368, 1369, 1370, 1373,  
 1384, 1389, 1402, 1404, 1415,  
 1418, 1420, 1421, 1426, 1450,  
 1451, 1577, 1578, 1579, 1580,  
 1581, 1582, 1583, 1584, 1585,  
 1615, 1617, 1618, 1620, 1701,  
 1723, 1729, 1735, 1742, 1758,  
 1792, 1826, 1839, 1840, 1843,  
 1860, 1868, 1876, 1877, 1881,  
 1923, 1924, 1927, 1934, 1937,  
 1950, 1951, 1960, 1963, 1975,  
 1976, 1986, 1989, 2002, 2017,  
 2047, 2079, 2083, 2108, 2170,  
 2184, 2188, 2190, 2191, 2194,  
 2200, 2202, 2204, 2220, 2223,  
 2239, 2240, 2243, 2256, 2258,  
 2261, 2278, 2515, 2516, 2567,  
 2568, 2569, 2575, 2576, 2580,  
 2837, 2839, 2852, 2865, 2866,  
 2867, 2868, 2872, 2873, 2874,  
 2883, 2886, 2949, 2950, 2951,  
 2952, 2953, 2954, 2955, 2956,  
 2957, 2958, 2959, 2960, 2961,  
 2962, 2963, 2964, 2965, 2966,  
 2967, 2968, 2976, 2978, 2981,  
 2990, 2995, 3004, 3030, 3043,  
 3054, 3068, 3074, 3077, 3080,  
 3084, 3096, 3105, 3131, 3144,  
 3155, 3173, 3178, 3185, 3195,  
 3214, 3216, 3217, 3221, 3225,  
 3229, 3235, 3239, 3428, 3433,  
 3445, 3449, 3453, 3465, 3469,  
 3655, 3925, 3926, 3927, 4421,  
 4423, 4447, 4560, 4587, 4600,  
 4610, 4611, 4636, 4637, 4638,  
 4639, 4643, 4647, 4651, 4655,  
 4659, 4663, 4684, 4686, 4688,  
 4706, 4708, 4712, 4719, 4755,  
 4756, 4759, 4760, 4761, 4762,  
 4771, 4774, 4781, 4782, 4788,  
 4789, 4792, 4976  
 \def@NAT@last@yr . . . 2118, 2120  
 \DefaultDisplayMathsDigits . .  
 . . . 3312, 4638, 4641  
 \defaultfontfeatures . . . 3439  
 \DefaultInlineMathsDigits 3304,  
 4637, 4640  
 \DefaultMathsDigits 3296, 4639  
 \define@choicekey . . . . .  
 . . 3292, 3300, 3308, 3316,  
 3323, 3331, 3338, 3345, 3351,  
 3363, 3369, 3375, 3379, 3383,  
 3389, 3402, 3414, 3426, 3456,  
 3463  
 \define@key . . . . . 2284  
 \define@mathalphabet . . . 4479  
 \define@mathgroup . . . . 4479  
 \deflatinfont . . . . . 2660  
 \defpersianfont . . . . . 2642  
 \depth . . . . . 2292, 2293  
 \dimexpr . 2840, 2842, 2935, 3499,  
 3504, 3505, 3506  
 \ding . . . . . 4755, 4756  
 \display@setup . . . . . 137, 162  
 \divide . . 3894, 3895, 4843, 4851,  
 4856, 4883, 4889, 4897, 4899,  
 4902, 4906, 4910, 4914  
 \do . 1642, 1995, 2084, 2285, 2885,  
 4492  
 \document@select@group . . 4447  
 \dorestore@version . . . . 4481  
 \dosetclass . . . 1419, 1420, 1424





<code>\doublebox</code> . . . . .	4233, 4286	
<code>\dquad</code> . . . . .	170, 172	
<code>\dseries@display@setup</code> . . .	162	
<b>E</b>		
<code>\edef</code> . . . . .	1710, 1765, 1799, 1863, 1871, 1888, 1997, 2086, 2246, 2523, 2546, 2548, 2574, 2577, 2887, 4721	1897, 1898, 1899, 1900, 1901, 1902, 1903, 1905, 1906, 1907, 1908, 1909, 1912, 1913, 1914, 1915, 1916, 1917, 1929, 1939, 1964, 1977, 2009, 2014, 2023, 2026, 2040, 2044, 2053, 2057, 2060, 2072, 2076, 2077, 2098, 2119, 2133, 2135, 2138, 2152, 2154, 2165, 2188, 2199, 2212, 2214, 2217, 2232, 2234, 2240, 2248, 2256, 2283, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2397, 2418, 2431, 2461, 2488, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2552, 2558, 2564, 2591, 2895, 2910, 2921, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2975, 2980, 2998, 3000, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3033, 3048, 3062, 3075, 3078, 3099, 3101, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3134, 3149, 3162, 3163, 3166, 3197, 3199, 3201, 3203, 3205, 3398, 3410, 3422, 3540, 3871, 4349, 4424, 4437, 4443, 4448, 4463, 4469, 4604, 4612, 4613, 4614, 4615, 4616, 4617, 4618, 4619, 4620, 4621, 4622, 4636, 4644, 4645, 4646, 4648, 4649, 4650, 4656, 4657, 4658, 4660, 4661, 4662, 4849, 4853, 4858, 4859, 4866, 4887, 4892, 4922, 4958, 4966
<code>\edition</code> . . . . .	3952	
<code>\editionFormat</code> . . . . .	3661, 3664	
<code>\editorialAuthorFormat</code> . .	3804, 4368	
<code>\editorialTitleFormat</code> . . .	3802, 3803	
<code>\else</code> . . . . .	2, 3, 5, 7, 32, 63, 92, 140, 170, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1289, 1330, 1341, 1343, 1345, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1423, 1450, 1451, 1461, 1464, 1467, 1470, 1473, 1476, 1479, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1623, 1631, 1636, 1646, 1652, 1705, 1708, 1713, 1714, 1715, 1716, 1717, 1727, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1759, 1760, 1761, 1763, 1764, 1767, 1768, 1769, 1770, 1771, 1772, 1774, 1775, 1776, 1777, 1778, 1781, 1782, 1783, 1784, 1785, 1786, 1793, 1794, 1795, 1797, 1798, 1801, 1802, 1803, 1804, 1805, 1806, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1817, 1818, 1819, 1820, 1821, 1822, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1852, 1853, 1854, 1855, 1856, 1857, 1882, 1883, 1884, 1886, 1887, 1890, 1891, 1892, 1893, 1894, 1895, 1896,	
<code>\empty</code> . . . . .	1422	
<code>\enclname</code> . . . . .	2964	
<code>\encodingdefault</code> . . . . .	2614, 2634, 2725, 2746, 2767, 2788, 2809, 2830	
<code>\end</code> . . . . .	1419, 1420, 1425, 1426, 2174, 2175, 2246, 2257, 2869, 2870, 2946, 3669, 3674,	



3731, 3745, 3755, 3764, 3787, 3826, 3829, 3832, 3849, 3904, 3910, 3987, 3993, 3997, 4023, 4029, 4063, 4083, 4098, 4104, 4140, 4141, 4142, 4165, 4166, 4167, 4191, 4192, 4193, 4218, 4219, 4222, 4252, 4256, 4267, 4268, 4305, 4309, 4338, 4369, 4370, 4384, 4396, 4409, 4694, 4697, 4699, 4702, 4748, 4749, 4753, 4807	
\end@correction . . . . .	4787
\endcomment . . . . .	4780
\endcorrection . . . . .	4780, 4787
\endcsname 1487, 1680, 1720, 1925, 1928, 1935, 1938, 1955, 2262, 2279, 2280, 2281, 2282, 2283, 2393, 2427, 2457, 2571, 2574, 2580, 2582, 2893, 2976, 2981, 2984, 3090, 3214, 3511, 3513, 3517, 3519, 3523, 3525, 4427, 4430, 4435, 4436, 4451, 4454, 4458, 4460, 4462, 4497, 4499, 4943, 4952, 4963	
\endgroup 1308, 2183, 2261, 2570, 2578, 4432, 4456, 4612, 4613, 4614, 4615, 4616, 4617, 4618, 4619, 4620, 4621, 4622, 4623	
\endL . . . . .	3701, 4102
\endlatin . . . . .	2866
\endLTR . . . . .	2866
\endMakeFramed . . . . .	1349
\endmath . . . . .	167
\endpersian . . . . .	2868
\endquestion . . . . .	4800
\endR 3705, 3706, 3707, 3718, 3719, 3720, 3925, 3926, 3927, 3945, 3966, 3967, 3968, 3969, 3970, 3971, 4122, 4217	
\endRTL . . . . .	2868
\ends@math . . . . .	167
\endtrivlist . . . . .	1951, 2261
\end . . . . .	1951, 1955, 2261, 2262
\eq@addpunct . . . . .	172
\eq@group . . . . .	140, 149
\eq@GRP@first@dmath . . . . .	149
\eq@prelim . . . . .	140, 157
\eq@setnumber . . . . .	143
\eq@setup@a . . . . .	145
\eq@startup . . . . .	146
\eq@wdCond . . . . .	164
\eqcommand . . . . .	176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419,



420, 421, 422, 423, 424, 425,  
426, 427, 428, 429, 430, 431,  
432, 433, 434, 435, 436, 437,  
438, 439, 440, 441, 442, 443,  
444, 445, 446, 447, 448, 449,  
450, 451, 452, 453, 454, 455,  
456, 457, 458, 459, 460, 461,  
462, 463, 464, 465, 466, 467,  
468, 469, 470, 471, 472, 473,  
474, 475, 476, 477, 478, 479,  
480, 481, 483, 484, 485, 486,  
487, 488, 489, 490, 491, 492,  
493, 494, 495, 496, 497, 498,  
499, 500, 501, 502, 503, 504,  
505, 506, 507, 508, 509, 510,  
511, 512, 513, 514, 515, 516,  
517, 518, 519, 520, 521, 522,  
523, 524, 525, 526, 527, 528,  
529, 530, 531, 532, 533, 534,  
535, 536, 537, 538, 539, 540,  
541, 542, 543, 544, 545, 546,  
547, 548, 549, 550, 551, 552,  
553, 554, 555, 556, 557, 558,  
559, 560, 561, 562, 563, 564,  
565, 566, 567, 568, 569, 570,  
571, 572, 573, 574, 575, 576,  
577, 578, 579, 580, 581, 582,  
583, 584, 585, 586, 587, 588,  
589, 590, 591, 592, 593, 594,  
595, 596, 597, 598, 599, 600,  
601, 602, 603, 604, 605, 606,  
607, 608, 609, 610, 611, 612,  
613, 614, 615, 616, 617, 618,  
619, 620, 621, 622, 623, 624,  
625, 626, 627, 628, 629, 630,  
631, 632, 633, 634, 635, 636,  
637, 638, 639, 640, 641, 642,  
643, 644, 645, 646, 647, 648,  
649, 650, 651, 652, 653, 654,  
655, 656, 657, 658, 659, 660,  
661, 662, 663, 664, 665, 666,  
667, 668, 669, 670, 671, 672,  
673, 674, 675, 676, 677, 678,  
679, 680, 681, 682, 683, 684,  
685, 686, 687, 688, 689, 690,  
691, 692, 693, 694, 695, 696,

697, 698, 699, 700, 701, 702,  
703, 704, 705, 706, 707, 708,  
709, 710, 711, 712, 713, 714,  
715, 716, 717, 718, 719, 720,  
721, 722, 723, 724, 725, 726,  
727, 728, 729, 730, 731, 732,  
733, 734, 735, 736, 737, 738,  
739, 740, 741, 742, 743, 744,  
745, 746, 747, 748, 749, 750,  
751, 752, 753, 754, 755, 756,  
757, 758, 759, 760, 761, 762,  
763, 764, 765, 766, 767, 768,  
769, 770, 771, 772, 773, 774,  
775, 776, 777, 778, 779, 780,  
781, 782, 783, 784, 785, 786,  
788, 789, 790, 791, 792, 793,  
794, 795, 796, 797, 798, 799,  
800, 801, 802, 803, 804, 805,  
806, 807, 808, 809, 810, 811,  
812, 813, 814, 815, 816, 817,  
818, 819, 820, 821, 822, 823,  
824, 825, 826, 827, 828, 829,  
830, 831, 832, 833, 834, 835,  
836, 837, 838, 839, 840, 841,  
842, 843, 844, 845, 846, 847,  
848, 849, 850, 851, 852, 853,  
854, 855, 856, 857, 858, 859,  
860, 861, 862, 863, 864, 865,  
866, 867, 868, 869, 870, 871,  
872, 873, 874, 875, 876, 877,  
878, 879, 880, 881, 882, 883,  
884, 885, 886, 887, 888, 889,  
890, 891, 892, 893, 894, 895,  
896, 897, 898, 899, 900, 901,  
902, 903, 904, 905, 906, 907,  
908, 909, 910, 911, 912, 913,  
914, 915, 916, 917, 918, 919,  
920, 921, 922, 923, 924, 925,  
926, 927, 928, 929, 930, 931,  
932, 933, 934, 935, 936, 937,  
938, 939, 940, 941, 942, 943,  
944, 945, 946, 947, 948, 949,  
950, 951, 952, 953, 954, 955,  
956, 957, 958, 959, 960, 961,  
962, 963, 964, 965, 966, 967,  
968, 969, 970, 971, 972, 973,



974, 975, 976, 977, 978, 979,	1240, 1241, 1242, 1243, 1244,
980, 981, 982, 983, 984, 985,	1245, 1246, 1247, 1248, 1249,
986, 987, 988, 989, 990, 991,	1250, 1251, 1252, 1253, 1254,
992, 993, 994, 995, 996, 997,	1255, 1256, 1257, 1258, 1260,
998, 999, 1000, 1001, 1002,	1261, 1262, 1263, 1264, 1265,
1003, 1004, 1005, 1006, 1007,	1266, 1267, 1268, 1269, 1487
1008, 1009, 1010, 1011, 1012,	<code>\eqstyle</code> . . . . . 142
1013, 1014, 1015, 1016, 1017,	<code>\equal</code> 3900, 4055, 4227, 4232, 4237,
1018, 1019, 1020, 1021, 1022,	4242, 4247, 4280, 4285, 4290,
1023, 1024, 1025, 1026, 1027,	4295, 4300
1028, 1029, 1030, 1031, 1032,	<code>\equationautorefname</code> . . . . 1355
1033, 1034, 1035, 1036, 1037,	<code>\escapechar</code> . . . 2573, 4429, 4453
1038, 1039, 1040, 1041, 1042,	<code>\everydisplay</code> . . . 137, 4671, 4672
1043, 1044, 1045, 1046, 1047,	<code>\everyjob</code> . . . . . 2546, 2547
1048, 1049, 1050, 1051, 1052,	<code>\everymath</code> . . . . . 4668
1053, 1054, 1055, 1056, 1057,	<code>\everypar</code> . . . . . 2879
1058, 1059, 1060, 1061, 1062,	<code>\ExecuteOptions</code> . . . . . 4790
1063, 1064, 1065, 1066, 1067,	<code>\ExecuteOptionsX</code> . . . . . 3478
1068, 1069, 1070, 1071, 1072,	<code>\exp</code> 2606, 2608, 2609, 2610, 2626,
1073, 1074, 1075, 1076, 1077,	2628, 2629, 2630, 2651, 2653,
1078, 1079, 1080, 1081, 1082,	2654, 2655, 2669, 2671, 2672,
1083, 1084, 1085, 1086, 1087,	2673, 2717, 2719, 2720, 2721,
1088, 1089, 1090, 1091, 1092,	2738, 2740, 2741, 2742, 2759,
1093, 1094, 1095, 1096, 1097,	2761, 2762, 2763, 2780, 2782,
1098, 1099, 1100, 1101, 1102,	2783, 2784, 2801, 2803, 2804,
1103, 1104, 1105, 1106, 1107,	2805, 2822, 2824, 2825, 2826
1108, 1109, 1110, 1111, 1112,	<code>\expandafter</code> . . . . .
1113, 1114, 1115, 1116, 1117,	137, 1419, 1425, 1640, 1641,
1118, 1129, 1130, 1131, 1132,	1765, 1799, 1888, 1925, 1928,
1133, 1134, 1135, 1136, 1137,	1935, 1938, 1955, 1997, 2086,
1138, 1139, 1140, 1141, 1142,	2202, 2207, 2208, 2213, 2218,
1143, 1144, 1145, 1146, 1147,	2219, 2225, 2226, 2227, 2228,
1148, 1149, 1150, 1151, 1152,	2235, 2236, 2237, 2238, 2240,
1153, 1154, 1155, 1156, 1157,	2249, 2250, 2251, 2252, 2262,
1158, 1159, 1160, 1161, 1162,	2279, 2280, 2281, 2282, 2548,
1163, 1164, 1165, 1166, 1167,	2551, 2553, 2557, 2559, 2563,
1168, 1169, 1170, 1171, 1172,	2565, 2570, 2571, 2574, 2577,
1173, 1174, 1175, 1176, 1177,	2578, 2580, 2581, 2887, 2976,
1178, 1179, 1180, 1181, 1182,	2981, 2984, 2999, 3005, 3090,
1183, 1184, 1185, 1186, 1187,	3100, 3106, 3200, 3202, 3204,
1486	3206, 3214, 4424, 4443, 4448,
<code>\eqenvironment</code> . . 1217, 1218, 1219,	4457, 4458, 4459, 4469, 4668,
1220, 1221, 1222, 1223, 1224,	4671, 4722
1225, 1226, 1227, 1228, 1229,	<code>\expandedtitle</code> . . . . . 4221
1230, 1231, 1232, 1233, 1234,	<code>\ExplSyntaxOff</code> 1954, 2276, 2836,
1235, 1236, 1237, 1238, 1239,	4494, 4603



`\ExplSyntaxOn` . 1952, 2264, 2596,  
4473, 4500  
`\extract@alph@from@version` . .  
. . . . . 4457  
  
**F**  
`\f@baselineskip` 2848, 2859, 3531,  
3533  
`\f@size` . . . . . 2848, 2859  
`\f@ur` . 1416, 2901, 2917, 2918, 2919,  
2922, 2923, 2924  
`\false` . . . . . 4767  
`\falsesymbol` . . . . . 4758  
`\familydefault` . . . . .  
. . 2613, 2633, 2724, 2745,  
2766, 2787, 2808, 2829  
`\fancyfoot` 3965, 3969, 3970, 3971  
`\fancyhead` 3964, 3966, 3967, 3968  
`\FancyVerbLineautorefname` 1368  
`\fbox` 3849, 3864, 4079, 4744, 4804  
`\fboxrule` . 1338, 1340, 1342, 1344,  
3921  
`\fboxsep` . . . . . 1338,  
1340, 1342, 1344, 3852, 4045,  
4077, 4149, 4177, 4225, 4274  
`\fi` . . . . . 2, 3,  
5, 7, 35, 63, 68, 92, 136, 138,  
139, 140, 148, 159, 161, 170,  
1203, 1289, 1330, 1341, 1343,  
1345, 1355, 1356, 1357, 1358,  
1359, 1360, 1361, 1362, 1363,  
1364, 1365, 1366, 1367, 1368,  
1369, 1370, 1416, 1424, 1450,  
1451, 1463, 1466, 1469, 1472,  
1475, 1478, 1481, 1577, 1578,  
1579, 1580, 1581, 1582, 1583,  
1584, 1585, 1626, 1627, 1633,  
1648, 1649, 1654, 1655, 1658,  
1661, 1664, 1667, 1670, 1673,  
1677, 1678, 1686, 1704, 1705,  
1711, 1718, 1721, 1726, 1727,  
1746, 1747, 1748, 1749, 1753,  
1754, 1755, 1769, 1770, 1771,  
1772, 1787, 1788, 1803, 1804,  
1805, 1806, 1823, 1824, 1838,  
1847, 1848, 1849, 1850, 1857,

1858, 1862, 1867, 1870, 1875,  
1878, 1892, 1893, 1894, 1895,  
1918, 1919, 1929, 1939, 1951,  
1969, 1987, 2008, 2010, 2021,  
2025, 2034, 2035, 2039, 2051,  
2056, 2060, 2064, 2065, 2069,  
2074, 2075, 2076, 2077, 2097,  
2099, 2121, 2129, 2137, 2138,  
2147, 2148, 2154, 2157, 2167,  
2188, 2203, 2221, 2241, 2254,  
2257, 2283, 2295, 2398, 2399,  
2400, 2401, 2402, 2403, 2404,  
2405, 2406, 2407, 2408, 2409,  
2410, 2411, 2412, 2413, 2418,  
2432, 2433, 2434, 2435, 2436,  
2437, 2438, 2439, 2440, 2441,  
2442, 2443, 2444, 2445, 2446,  
2447, 2462, 2463, 2464, 2465,  
2466, 2467, 2468, 2469, 2470,  
2471, 2472, 2473, 2474, 2475,  
2476, 2477, 2490, 2504, 2505,  
2506, 2507, 2508, 2509, 2510,  
2511, 2512, 2513, 2554, 2560,  
2566, 2584, 2585, 2593, 2888,  
2895, 2909, 2914, 2915, 2916,  
2920, 2925, 2926, 2927, 2928,  
2937, 2949, 2950, 2951, 2952,  
2953, 2954, 2955, 2956, 2957,  
2958, 2959, 2960, 2961, 2962,  
2963, 2964, 2965, 2966, 2967,  
2975, 2980, 3002, 3016, 3028,  
3033, 3034, 3037, 3039, 3040,  
3052, 3056, 3058, 3059, 3061,  
3064, 3066, 3072, 3075, 3078,  
3082, 3087, 3103, 3117, 3129,  
3134, 3135, 3138, 3140, 3141,  
3153, 3157, 3159, 3160, 3162,  
3168, 3169, 3171, 3176, 3183,  
3189, 3207, 3208, 3209, 3210,  
3211, 3212, 3219, 3220, 3223,  
3224, 3227, 3228, 3230, 3231,  
3243, 3299, 3307, 3315, 3321,  
3328, 3336, 3343, 3350, 3362,  
3368, 3374, 3378, 3382, 3388,  
3400, 3401, 3412, 3413, 3424,  
3425, 3437, 3461, 3475, 3496,



3542, 3543, 3545, 3874, 3875, 4080, 4097, 4261, 4335, 4354, 4381, 4406, 4424, 4442, 4443, 4448, 4468, 4469, 4606, 4624, 4625, 4626, 4627, 4628, 4629, 4630, 4631, 4632, 4633, 4634, 4636, 4644, 4645, 4646, 4648, 4649, 4650, 4656, 4657, 4658, 4660, 4661, 4662, 4858, 4860, 4861, 4862, 4868, 4892, 4893, 4913, 4924, 4945, 4954, 4961, 4968, 4983	
\figureautorefname . . . . .	1358
\figurename . . . . .	2949
\finishsetclass . . . . .	1422, 1426
\firstarticle . . . . .	3976, 4000, 4001, 4003
\FirstFrameCommand . . . . .	1340
\firstimage . . . . .	4073, 4086, 4087, 4089
\firstmark . . . . .	1327
\firstTextFormat . . . . .	3734, 3736
\firstTitleFormat . . . . .	3722, 3728, 3729
\float@box . . . . .	1926, 1936
\float@endH . . . . .	1925, 1935
\flushright . . . . .	3722, 3741, 3760
\font . . . . .	2905
\font@name . . . . .	3511, 3513, 3517, 3519, 3523, 3525
\fontencoding . . . . .	. . . 2608, 2628, 2654, 2672, 2719, 2740, 2761, 2782, 2803, 2824
\fontfamily . . . . .	2609, 2629, 2653, 2671, 2686, 2689, 2692, 2695, 2698, 2701, 2720, 2741, 2762, 2783, 2804, 2825
\fontsize . . . . .	2848, 2859
\fontspec . . . . .	1953, 2271, 2604, 2625, 2648, 2666, 2715, 2736, 2757, 2778, 2799, 2820, 4554, 4585, 4598
\foot . . . . .	3717
\footdir@debugfalse . . . . .	3373
\footdir@debugtrue . . . . .	3371
\footnote . . . . .	3814
\footnoteautorefname . . . . .	1356
\footnoterule . . . . .	3813
\footnotesep . . . . .	3539, 3541
\footnotesize . . . . .	84, 86, 88, 1289, 1290, 1291, 1330, 1332, 1334, 3642, 3643, 3677, 3710, 3775, 3799, 3800, 3812
\foottextfont . . . . .	1289
\FrameCommand . . . . .	1338
\FrameRestore . . . . .	1346
\frenchspacing . . . . .	1950, 2258
\frontmatter . . . . .	15, 95, 106, 124, 1277, 2417
\futurelet . . . . .	2193, 4609
<b>G</b>	
\g . . . . .	2604, 2605, 2609, 2625, 2629, 2715, 2716, 2720, 2736, 2737, 2741, 2757, 2758, 2762, 2778, 2779, 2783, 2799, 2800, 2804, 2820, 2821, 2825, 4474, 4554, 4556, 4557, 4558, 4559, 4585, 4586, 4598, 4599
\g@addto@macro . . . . .	4719
\G@refundefinedtrue . . . . .	2890
\gdef . . . . .	43, 49, 55, 61, 102, 103, 113, 114, 120, 121, 132, 133, 1275, 1285, 1286, 1297, 1298, 1375, 1376, 1391, 1393, 1572, 1573, 2362, 2363, 2369, 2370, 2376, 2377, 2384, 2385, 2392, 2425, 2426, 2455, 2456, 3655, 3925, 3926, 3927, 4609, 4685, 4687, 4705, 4707, 4709, 4715, 4716, 4732, 4757, 4758, 4772, 4791, 4793, 4798, 4809
\get@cdp . . . . .	4483
\getanddefine@fonts . . . . .	3510, 3516, 3522, 4430, 4454
\Gin@boolkey . . . . .	2278
\glb@currsize . . . . .	4553
\global . . . . .	73, 74, 139, 149, 150, 151, 152, 153,



154, 155, 156, 164, 1304, 1305,  
1324, 1683, 1687, 2007, 2096,  
3834, 3835, 3836, 3837, 3838,  
3839, 3840, 3841, 3842, 3843,  
4436, 4462

\globaldefs . . . . . 4431, 4455

\glossary . . . . . 1314

\glsaddprotectedpagefmt . 1351,  
1352, 1353

\goodbreak . . . . . 4412

\grid . . . . . 3616, 3620, 3882

\Grot@x . . 2286, 2287, 2288, 2289

\Grot@y . . 2290, 2291, 2292, 2293,  
2294, 2295

\group . . . . . 2271

\group@elt . . . . . 4482

\group@list . . . . . 4482

\grp@aligned . . . . . 155

\GRP@box . . . . . 150

\grp@eqs@numbered . . . . . 154

\grp@hasNumber . . . . . 159

\GRP@label . . . . . 151

\grp@linewidth . . . . . 153

\GRP@queue . . . . . 150

\grp@setnumber . . . . . 159

\grp@shiftnumber . . . . . 156

\grp@wdL . . . . . 152

\grp@wdNum . . . . . 153

\grp@wdR . . . . . 152

\grp@wdT . . . . . 152

## H

\harfi 1190, 1208, 1213, 1566, 2398,  
2432, 2462, 2981

\harfinumeral . . . . . 2982

\hbox . . . . 1834, 2889, 2947, 2948

\headDateTimeFormat 3681, 3683

\headerfont . . . . . 4685

\headheight . . . . . 1320, 3915

\heading . . . . . 3704

\headrulewidth . . . . . 3916, 3972

\headsep . . . . . 1321

\headtoname . . . . . 2966

\height . . . . . 2290, 2291

\hfil . 1830, 1831, 1832, 1833, 1865,  
1866, 1867, 1873, 1874, 1875

\hline . . . 4365, 4726, 4727, 4730,  
4731, 4751, 4752

\hrule 1416, 4248, 4254, 4301, 4307,  
4352, 4392

\hrulefill . . . 3930, 3935, 3949

\hsize 1346, 1691, 1707, 1732, 1733,  
1931, 1941

\hskip . . . . 1416, 1832, 1833, 1875

\hspace . . 3683, 3701, 3930, 3936,  
3948, 3950, 4128

\hss . . . . . 1719

\Huge . . . . . 3653, 3722, 3778

\huge . . . . . 3652

\Hy@AlphNoErr . . . . . 1391, 1393

\Hy@appendixstring . 1377, 1395

\Hy@backout . . . . . 69, 77

\Hy@chapapp . . . . . 1377, 1395

\HyOrg@appendix . . . 1372, 1378

\HyOrg@resets@pp . . . 1388, 1396

\hyper@natlinkbreak 2029, 2060

\hyper@natlinkstart . . . . . 77

## I

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



2232, 2234, 2256, 2286, 2287,  
 2288, 2289, 2290, 2291, 2292,  
 2293, 2294, 2295  
 \if@bidi@algorithmicloaded@ .  
     ..... 1461  
 \if@bidi@algorithmloaded@ 1464  
 \if@bidi@backrefloaded@ . 1467  
 \if@bidi@csprimitive .... 1486  
 \if@bidi@csundef 2941, 3194, 3245  
 \if@bidi@enumerateloaded@ 1470  
 \if@bidi@enumitemloaded@ 1473  
 \if@bidi@tocloftloaded@ . 1476  
 \if@bidi@urlloaded@ .... 1479  
 \if@chapter@pp ..... 28  
 \if@extrafootnotefeatures 3493  
 \if@filesw ..... 2888  
 \if@hboxRconstruct . 1704, 1726  
 \if@inlabel ..... 139  
 \if@Kashida@on ..... 1414, 1415  
 \if@LTRbibitems ..... 3241  
 \if@newlist ... 1304, 1324, 1951  
 \if@nonlatin .. 4656, 4657, 4658,  
     4660, 4661, 4662  
 \if@noskipsec ..... 138  
 \if@pboxsw ..... 1721  
 \if@RTL 2, 3, 5, 7, 63, 92, 136, 148,  
     161, 1341, 1343, 1345, 1355,  
     1356, 1357, 1358, 1359, 1360,  
     1361, 1362, 1363, 1364, 1365,  
     1366, 1367, 1368, 1369, 1370,  
     1450, 1451, 1577, 1578, 1579,  
     1580, 1581, 1582, 1583, 1584,  
     1585, 1705, 1727, 2504, 2505,  
     2506, 2507, 2508, 2509, 2510,  
     2511, 2512, 2513, 2949, 2950,  
     2951, 2952, 2953, 2954, 2955,  
     2956, 2957, 2958, 2959, 2960,  
     2961, 2962, 2963, 2964, 2965,  
     2966, 2967  
 \if@RTL@footnote ... 1289, 1330  
 \if@RTLmain ..... 2895  
 \if@RTLtab ..... 1746,  
     1747, 1748, 1749, 1769, 1770,  
     1771, 1772, 1803, 1804, 1805,  
     1806, 1847, 1848, 1849, 1850,  
     1892, 1893, 1894, 1895  
 \if@tempswa ..... 2129  
 \if@twoside ..... 2418  
 \if@xepersian@@computeautoilg  
     ..... 2897, 3529  
 \ifadl@usingarypkg ..... 1791  
 \ifBR@verbose ..... 66  
 \ifcase 1829, 1860, 1864, 1868, 1872,  
     2011, 2041, 2134, 2969, 2978,  
     3006, 3069, 3075, 3078, 3081,  
     3085, 3107, 3174, 3179, 3186,  
     3218, 3222, 3226, 3230, 3293,  
     3301, 3309, 3317, 3324, 3332,  
     3339, 3346, 3352, 3364, 3370,  
     3376, 3380, 3384, 3390, 3403,  
     3415, 3427, 3457, 3464, 4976  
 \ifdim 169, 2550, 2556, 2562, 2906,  
     2907, 2911, 2912, 2917, 2918,  
     2922, 2923, 2932, 3535, 3539,  
     3862, 4347  
 \iffontchar ..... 2905  
 \ifhmode ..... 1628  
 \ifinner ..... 1634  
 \ifmmode ..... 1716, 4426, 4450  
 \ifNAT@full ..... 2009, 2098  
 \ifNAT@longnames ... 2005, 2094  
 \ifNAT@numbers ..... 1958, 2165  
 \ifNAT@super ..... 1959  
 \ifNAT@swa 2011, 2076, 2100, 2152  
 \ifnum ..... 170, 1675, 1742,  
     1743, 1759, 1760, 1761, 1762,  
     1764, 1793, 1794, 1795, 1796,  
     1798, 1843, 1844, 1882, 1883,  
     1884, 1885, 1887, 2486, 2589,  
     2930, 2996, 2998, 3007, 3008,  
     3009, 3010, 3011, 3012, 3013,  
     3014, 3031, 3033, 3035, 3037,  
     3039, 3044, 3055, 3056, 3058,  
     3060, 3061, 3064, 3097, 3099,  
     3108, 3109, 3110, 3111, 3112,  
     3113, 3114, 3115, 3132, 3134,  
     3136, 3138, 3140, 3145, 3156,  
     3157, 3159, 3161, 3162, 3164,  
     3169, 3196, 3198, 3200, 3202,  
     3204, 3206, 3220, 3224, 3228,  
     3231, 4259, 4333, 4379, 4404,  
     4427, 4451, 4854, 4858, 4886,





4892, 4913, 4940, 4944, 4949,  
 4953, 4955, 4964  
 \ifodd . . . . 1645, 1651, 4847, 4852  
 \ifthenelse 3602, 3614, 3623, 3727,  
 3742, 3761, 3782, 3900, 3978,  
 3979, 4009, 4041, 4055, 4075,  
 4093, 4117, 4147, 4171, 4198,  
 4227, 4232, 4237, 4242, 4247,  
 4280, 4285, 4290, 4295, 4300,  
 4733  
 \ifwritexviii . 2588, 3392, 3404,  
 3416  
 \ifx 1190, 1191, 1192, 1193, 1194, 1195,  
 1196, 1197, 1198, 1199, 1200,  
 1422, 1621, 1624, 1708, 1928,  
 1938, 2015, 2016, 2018, 2045,  
 2046, 2048, 2117, 2135, 2195,  
 2244, 2283, 2396, 2398, 2399,  
 2400, 2401, 2402, 2403, 2404,  
 2405, 2406, 2407, 2408, 2409,  
 2410, 2411, 2412, 2430, 2432,  
 2433, 2434, 2435, 2436, 2437,  
 2438, 2439, 2440, 2441, 2442,  
 2443, 2444, 2445, 2446, 2460,  
 2462, 2463, 2464, 2465, 2466,  
 2467, 2468, 2469, 2470, 2471,  
 2472, 2473, 2474, 2475, 2476,  
 2571, 2579, 4424, 4448, 4604,  
 4612, 4613, 4614, 4615, 4616,  
 4617, 4618, 4619, 4620, 4621,  
 4622, 4636, 4644, 4645, 4646,  
 4648, 4649, 4650, 4656, 4657,  
 4658, 4660, 4661, 4662  
 \ifXePersian@kabiseh 4815, 4920  
 \ifXePersian@leap . . 4815, 4864  
 \IfxepersianPackageVersion 2561  
 \IfxepersianPackageVersionBefore  
 . . . . . 2555  
 \IfxepersianPackageVersionLater  
 . . . . . 2549  
 \ifxetex . . . . 3855, 4078, 4095  
 \ignorespaces . . . . . 173,  
 1933, 1943, 2616, 2636, 2727,  
 2748, 2769, 2790, 2811, 2832,  
 3673, 3726, 3736, 3741, 3749,  
 3754, 3760, 3768, 4028, 4054,  
 4203  
 \image . . . . . 3850  
 \immediate 2888, 3395, 3396, 3407,  
 3408, 3419, 3420  
 \includegraphics . . . 3865, 4079,  
 4096  
 \index . . . . . 1313  
 \indexEntryFormat . . 3671, 3673  
 \indexEntryPageFormat . . 3677,  
 3679  
 \indexEntryPageTxt . 3676, 3679  
 \indexEntrySeparator 3675, 4203  
 \indexFormat . . . . . 3667, 3669  
 \indexitem 4196, 4206, 4207, 4209  
 \indexname . . . . . 2955  
 \init@restore@version . . 4433,  
 4481  
 \innerAuthorFormat . 3799, 4316  
 \innerPlaceFormat . . 3800, 4316  
 \innerSubtitleFormat 3789, 3790  
 \innerTextFinalMark 3801, 4337  
 \innerTitleFormat . . 3778, 3783,  
 3784  
 \input . . . . 1497, 1498, 1499, 1500,  
 1501, 1502, 1503, 3249, 3250,  
 3251, 3252, 3253, 3254, 3255,  
 3256, 3257, 3258, 3259, 3260,  
 3261, 3262, 3263, 3264, 3265,  
 3266, 3267, 3268, 3269, 3270,  
 3271, 3272, 3273, 3274, 3275,  
 3276, 3277, 3278, 3279, 3280,  
 3281, 3282, 3283, 3284, 3285,  
 3286, 3287, 3288, 3289, 3290,  
 3291, 3377, 3381, 3494, 3495  
 \insert@column . 1831, 1832, 1833,  
 1834, 1836, 1837  
 \int . 4508, 4516, 4524, 4532, 4540  
 \intermath@penalty . . . . . 172  
 \iranicdefault 2680, 2692, 2821,  
 2829  
 \iranicfamily . 2690, 2691, 2704,  
 2822  
 \item . . . . 4759, 4760, 4761, 4762  
 \itemautorefname . . . . . 1357  
 \itshape . . . . . 3239, 4771



**J**

`\jobname` . 3396, 3397, 3408, 3409, 3420, 3421

**K**

`\KashidaOff` . . . . . 1447

`\KashidaOn` . . . . . 1446, 1448

`\kern` . . . . . 1963, 2948

`\keyval@eq@alias@key` 1489, 1493

**L**

`\l` . . 2608, 2614, 2628, 2634, 2654, 2672, 2719, 2725, 2740, 2746, 2761, 2767, 2782, 2788, 2803, 2809, 2824, 2830

`\label` . . . . 1312, 4332, 4378, 4402

`\LARGE` . . . 3651, 3738, 3802, 3805, 3818, 3820

`\Large` . . . 3650, 3757, 3807, 3934, 4217, 4251

`\large` 3649, 3661, 3667, 3747, 3766, 3789, 3809, 3822, 3828, 3940

`\LastFrameCommand` . . . . . 1344

`\lastpenalty` . . . . . 170

`\lastskip` . . . . . 169

`\latin` . . . . . 2865

`\LatinAlphs` . . 2865, 2869, 3235

`\Latincite` . . . . . 2161, 2881

`\latinfont` 2626, 2845, 2847, 3440

`\latintoday` . . . . . 2872

`\lccode` . . . . . 2180, 2181, 2182

`\leaders` . . . . . 1416

`\leavevmode` . 138, 139, 1702, 1724, 1951, 2883, 2947

`\leftfootnoterule` . . . . . 3355

`\let` . . . . . 11, 19, 73, 74, 149, 151, 154, 155, 156, 162, 167, 1198, 1199, 1200, 1201, 1302, 1304, 1312, 1313, 1314, 1324, 1327, 1372, 1382, 1383, 1388, 1403, 1422, 1424, 1695, 1696, 1697, 1698, 1699, 1700, 1719, 1736, 1737, 1738, 1739, 1808, 1809, 1810, 1852, 1853, 1854, 1922, 1925, 1926, 1935, 1936, 1955, 1959, 1961, 1962, 1965, 1966,

1967, 1968, 1970, 1971, 1972, 1973, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1994, 2003, 2006, 2009, 2010, 2083, 2092, 2095, 2098, 2099, 2107, 2162, 2187, 2198, 2205, 2211, 2215, 2216, 2231, 2233, 2253, 2262, 2280, 2282, 2396, 2430, 2460, 2481, 2485, 2838, 2845, 2846, 2850, 2853, 2854, 2856, 2857, 2861, 2871, 2884, 2977, 2982, 2989, 3095, 3215, 3233, 3234, 3236, 3237, 3429, 3430, 3434, 3435, 3473, 3474, 3812, 3813, 3814, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 4422, 4438, 4464, 4553, 4669, 4673, 4688, 4777, 4778, 4779, 4780, 4784, 4785, 4786, 4787, 4799, 4800, 4973, 4974, 4975

`\lineskip` . . . . . 1316, 3823

`\lineskiplimit` . . . . . 1317

`\linespread` . . . . . 2935

`\linewidth` 4725, 4729, 4744, 4804

`\listalgorithmname` . . . . . 7

`\listfigurename` . . . . . 2952

`\listtablename` . . . . . 2953

`\LoadClass` . . . . . 3595

`\logo` . . . . . 3928, 3957

`\long` . . . . . 1701

`\longdate` . . . . . 4312

`\loop` . . . . . 2904, 4941, 4950

`\lower` . . . . . 2947

`\lowercase` . . . . . 2183

`\lr` . 1382, 1994, 2083, 2863, 2872, 2885, 3655, 3710, 4102

`\LRE` . . . . . 2863

`\lstlistingname` . . . . . 1450

`\lstlistlistingname` . . . . . 1451

`\LTR` . . . . . 2865

`\LTRfoottextfont` . . . . . 1290

`\ltx@ifundefined` 1374, 1386, 1390

## M

`\m@ne` . . . . . 2111, 4429, 4453



$\backslash m@th$  ..... 1721  
 $\backslash makeform$  ..... 4781, 4788  
 $\backslash makeform@correction$  4696, 4788  
 $\backslash makeform@nocorrection$  .. 4693, 4781  
 $\backslash MakeFramed$  ..... 1346  
 $\backslash makemask$  ..... 4782, 4789  
 $\backslash makemask@correction$  4701, 4789  
 $\backslash makemask@nocorrection$  .. 4698, 4782  
 $\backslash maketitle$  ..... 3811, 3835  
 $\backslash MakeUppercase$  ..... 3777  
 $\backslash makezwjletter$  .... 1484, 1485  
 $\backslash math@bgroup$  ..... 4424, 4448  
 $\backslash math@fonts$  ..... 4431, 4455  
 $\backslash math@version$  .....  
... 4427, 4430, 4435, 4436, 4440, 4451, 4454, 4458, 4460, 4462, 4466  
 $\backslash mathalpha$  4561, 4562, 4563, 4564, 4565, 4566, 4567, 4568, 4569, 4570  
 $\backslash mathbf$  ..... 4501, 4573  
 $\backslash mathbin$  ..... 4571  
 $\backslash mathchar@type$  . 4488, 4497, 4499  
 $\backslash mathchardef$  ..... 4607  
 $\backslash mathcode$  4509, 4517, 4525, 4533, 4541, 4635  
 $\backslash mathgroup$  ..... 4421  
 $\backslash mathiranic$  ..... 2691  
 $\backslash mathit$  ..... 4502, 4574  
 $\backslash mathnavar$  ..... 2694  
 $\backslash mathord$  ..... 4572  
 $\backslash mathpersiansf$  ..... 2685  
 $\backslash mathpersiantt$  ..... 2688  
 $\backslash mathpook$  ..... 2697  
 $\backslash mathrm$  ..... 4503, 4575  
 $\backslash mathsayeh$  ..... 2700  
 $\backslash mathsf$  ..... 4504, 4587  
 $\backslash mathsurround$  ..... 166  
 $\backslash mathtt$  ..... 4505, 4600  
 $\backslash mbox$  ..... 1965  
 $\backslash meaning$  ..... 2574, 2577  
 $\backslash MessageBreak$  .....  
... 2020, 2021, 2050, 2051, 3246, 4000, 4032, 4066, 4086, 4107, 4110, 4132, 4157, 4183, 4206, 4209, 4737  
 $\backslash MidFrameCommand$  ..... 1342  
 $\backslash minilogo$  ..... 3939, 4153  
 $\backslash minraggedcols$  .....  
... 3578, 3579, 3617, 3621, 4259, 4333, 4379, 4404  
 $\backslash mlftitle$  ..... 1581  
 $\backslash mltttitle$  ..... 1582  
 $\backslash month$  ..... 4841  
 $\backslash moveright$  ..... 1318  
 $\backslash mtctitle$  ..... 1580  
 $\backslash multido$  ..... 3901, 3907  
 $\backslash multiply$  1681, 4844, 4857, 4884, 4890, 4907, 4911  
 $\backslash mylogo$  ..... 3944  
  
N  
 $\backslash n$  ..... 4609, 4612, 4613, 4614, 4615, 4616, 4617, 4618, 4619, 4620, 4621, 4622  
 $\backslash NAT@@close$  ..... 2077, 2156  
 $\backslash NAT@@Latin@@citetp$  2164, 2168, 2169, 2170  
 $\backslash NAT@@open$  ..... 2060, 2136  
 $\backslash NAT@alias$  2038, 2068, 2103, 2146  
 $\backslash NAT@all@names$  2006, 2009, 2095, 2098  
 $\backslash NAT@aysep$  ..... 2030  
 $\backslash NAT@biblabel$  ..... 1981  
 $\backslash NAT@biblabelnum$  ..... 1972  
 $\backslash NAT@bibsetnum$  ..... 1973  
 $\backslash NAT@bibsetup$  ..... 1982  
 $\backslash NAT@cite$  ..... 1978  
 $\backslash NAT@cite@list$  ..... 1995, 2084  
 $\backslash NAT@citea@mbox$  ..... 2129  
 $\backslash NAT@citenum$  ..... 1966  
 $\backslash NAT@citesuper$  ..... 1959  
 $\backslash NAT@citeundefined$  . 2000, 2090  
 $\backslash NAT@citex$  ..... 1979  
 $\backslash NAT@citexnum$  ..... 1970  
 $\backslash NAT@close$  ..... 1974, 1985  
 $\backslash NAT@cmprs$  ..... 2105, 2151  
 $\backslash NAT@cmt$  ..... 2076, 2154  
 $\backslash NAT@ctype$  2011, 2041, 2101, 2103, 2134, 2142, 2144, 2153, 2162



`\NAT@date` 1985, 2002, 2012, 2013,  
2024, 2032, 2037, 2042, 2055,  
2062, 2067, 2070, 2077  
`\NAT@def@citea` . 2039, 2071, 2132  
`\NAT@def@citea@box` . . . . . 2140  
`\NAT@def@citea@close` . . . . . 2073  
`\NAT@exlab` 2018, 2022, 2048, 2052  
`\NAT@fullfalse` . . . . . 2163  
`\NAT@fulltrue` . . . . . 2163  
`\NAT@hyper@` 2013, 2022, 2024, 2027,  
2036, 2037, 2038, 2043, 2052,  
2055, 2058, 2066, 2067, 2068,  
2103, 2139  
`\NAT@hyper@citea@space` . . 2142,  
2144, 2146  
`\NAT@idtxt` . . . . . 1974, 1985  
`\NAT@ifcat@num` . . . . . 2106, 2109  
`\NAT@last@nm` . . 2003, 2015, 2045,  
2092, 2135  
`\NAT@last@num` . . 2092, 2109, 2110,  
2128  
`\NAT@last@yr` . . 2003, 2016, 2046,  
2083, 2117, 2151  
`\NAT@last@yr@mbbox` . . 2113, 2123  
`\NAT@Latin@cites` . . . 2163, 2164  
`\NAT@Latin@citex` 1980, 1988, 1989  
`\NAT@Latin@citexnum` 1971, 2078,  
2079  
`\NAT@mbbox` . 1960, 1965, 2136, 2139,  
2156  
`\NAT@merge` . . . . . 2113, 2128  
`\NAT@name` 1974, 1985, 2006, 2010,  
2095, 2099  
`\NAT@nm` . . 1994, 2003, 2009, 2010,  
2013, 2015, 2028, 2036, 2043,  
2045, 2059, 2066, 2083, 2092,  
2098, 2099, 2107, 2108, 2112,  
2116, 2135  
`\NAT@nmfmt` 2013, 2028, 2036, 2043,  
2059, 2066  
`\NAT@num` . 1974, 2083, 2092, 2106,  
2107, 2128, 2139  
`\NAT@open` . . . . . 1974, 1985  
`\NAT@parse` . . . . . 2004, 2093  
`\NAT@partrue` . . . . . 2162  
`\NAT@penalty` . . . 1976, 1984, 2120,  
2135  
`\NAT@reset@citea` . . . 1993, 2082  
`\NAT@reset@parser` . . 1991, 2080  
`\NAT@set@cites` . . . . . 1957, 2160  
`\NAT@sort@cites` . . . . 1992, 2081  
`\NAT@space` 1962, 1967, 1983, 2135  
`\NAT@spacechar` . . . . .  
. . . 1967, 1974, 1983, 1985,  
2023, 2030, 2054, 2060, 2136,  
2138  
`\NAT@super@kern` 1963, 1968, 2136  
`\NAT@swafalse` . . . . . 2166  
`\NAT@swatru` . . . . . 2162  
`\NAT@temp` 2017, 2018, 2047, 2048  
`\NAT@test` . 2103, 2136, 2142, 2144  
`\NAT@year` 1994, 2003, 2016, 2046  
`\NAT@yrsep` . . . . 2015, 2045, 2135  
`\natexlab` . . . . . 1975, 1986  
`\navardefault` . 2681, 2695, 2758,  
2766  
`\navarfam` . . 2693, 2694, 2705,  
2759  
`\NeedsTeXFormat` 2514, 3549, 4418,  
4675, 4812  
`\new@mathalphabet` . . . . . 4484  
`\new@mathbf` . . . . . 4506, 4573  
`\new@mathgroup` . 4421, 4422, 4477  
`\new@mathit` . . . . . 4514, 4574  
`\new@mathrm` . . . . . 4522, 4575  
`\new@mathsf` . . . . . 4530, 4587  
`\new@mathtt` . . . . . 4538, 4600  
`\new@mathversion` . . . . . 4482  
`\new@symbolfont` . . . . . 4483  
`\newboolean` . . 3560, 3562, 3564,  
3566, 3568, 3570, 3572  
`\newcolumnntype` . . . . 4689, 4690  
`\newcommand` . . . . . 1446, 1447,  
1484, 1486, 1487, 1489, 1493,  
1988, 2078, 2164, 2169, 2492,  
2549, 2555, 2561, 2678, 2679,  
2680, 2681, 2682, 2683, 2902,  
2940, 2983, 2986, 3089, 3092,  
3503, 3557, 3612, 3656, 3657,  
3660, 3661, 3662, 3667, 3668,  
3671, 3672, 3675, 3676, 3677,  
3678, 3681, 3682, 3686, 3687,



3690, 3691, 3692, 3693, 3696,  
 3699, 3704, 3709, 3712, 3714,  
 3717, 3722, 3723, 3734, 3735,  
 3738, 3739, 3747, 3748, 3751,  
 3752, 3757, 3758, 3766, 3767,  
 3769, 3770, 3771, 3772, 3775,  
 3776, 3778, 3779, 3789, 3790,  
 3791, 3792, 3793, 3794, 3799,  
 3800, 3801, 3802, 3803, 3804,  
 3805, 3806, 3807, 3808, 3809,  
 3810, 3845, 3850, 3882, 3914,  
 3928, 3939, 3944, 3952, 3976,  
 4007, 4039, 4073, 4092, 4196,  
 4214, 4221, 4263, 4271, 4314,  
 4320, 4340, 4357, 4386, 4411,  
 4495, 4496, 4498, 4604, 4605,  
 4685, 4687, 4693, 4696, 4698,  
 4701, 4705, 4707, 4709, 4757,  
 4758, 4763, 4767, 4772, 4791,  
 4793, 4969  
 \newcount . . . . 2898, 3574, 3575,  
 3578, 3880, 3881, 4816, 4817,  
 4818, 4819, 4820, 4821, 4822,  
 4823, 4824, 4825, 4826, 4827,  
 4828, 4829, 4831, 4832, 4833,  
 4834, 4835, 4836, 4837, 4838  
 \newcounter . . . . . 4710, 4711  
 \newdimen 2899, 2900, 3878, 3879  
 \NewDocumentCommand 4506, 4514,  
 4522, 4530, 4538  
 \newenvironment . . . . .  
 . . . 1487, 2174, 2175, 2869,  
 2870, 3847, 3953, 4115, 4145,  
 4169, 4323, 4372, 4398, 4739,  
 4773  
 \newfam . . . . . 4422  
 \newfontface . . . . . 2482  
 \newfontlanguage . . . . . 2595  
 \newfontscript . . . . . 2594  
 \newif . . . . 1414, 2588, 2897, 4815  
 \newlength 3552, 3553, 3554, 3555,  
 3556, 3558, 4703, 4794, 4796  
 \newmathalphabet . . . . . 4478  
 \newmathalphabet@@ . . . . . 4478  
 \newmathalphabet@@@ . . . . . 4478  
 \newpage . 3394, 3406, 3418, 3963  
 \newsavebox . . . . . 3846  
 \newsection . . . . . 4320  
 \next . 1422, 1424, 1425, 2187, 2188,  
 2189, 2193, 2195, 2198, 2202,  
 2203, 2205, 2211, 2216, 2220,  
 2222, 2231, 2233, 2239, 2242,  
 2246, 2253, 2255  
 \nobreak . . . . . 1415, 1960  
 \noexpand . . . . . 1302,  
 2186, 2206, 2212, 2214, 2224,  
 2232, 2234, 2246, 2247, 2256,  
 4434  
 \nohyphens 3728, 3743, 3762, 3783  
 \noindent 3673, 3688, 3726, 3736,  
 3741, 3749, 3754, 3760, 3768,  
 3773, 3777, 3781, 3930, 3947,  
 4028, 4054, 4079, 4126, 4203,  
 4217, 4251, 4266, 4304, 4361,  
 4389, 4414, 4416  
 \non@alpherr . . . . . 4443, 4469  
 \nopagebreak . . . . . 4805  
 \normalcolor . . . 1689, 1930, 1940  
 \normalfont 2615, 2635, 2726, 2747,  
 2768, 2789, 2810, 2831, 2845,  
 2846, 2856, 2857  
 \normalsfcodes . . . . . 1311  
 \normalsize 1311, 2877, 3624, 3625,  
 3671, 4266, 4304  
 \not . . . . . 4717  
 \not@math@alphabet 2685, 2688,  
 2691, 2694, 2697, 2700  
 \null . . . . . 3815, 3831  
 \number . . 2996, 2998, 2999, 3097,  
 3099, 3100, 3200, 3202, 3204,  
 3206, 4435, 4459, 4970, 4971  
 \numexpr . 4509, 4517, 4525, 4533,  
 4541  
 O  
 \obeyspaces . . . . . 4609  
 \old@endquestion . . . 4800, 4808  
 \old@question . . . . . 4799, 4806  
 \or . . . . . 1831, 1832,  
 1833, 1835, 1836, 1860, 1861,  
 1862, 1866, 1867, 1868, 1869,  
 1870, 1874, 1875, 2036, 2037,



2038, 2066, 2067, 2068, 2141,  
 2143, 2145, 2969, 2970, 2971,  
 2972, 2973, 2974, 2978, 2979,  
 2980, 3017, 3018, 3019, 3020,  
 3021, 3022, 3023, 3024, 3025,  
 3026, 3030, 3069, 3070, 3071,  
 3072, 3075, 3078, 3081, 3082,  
 3085, 3086, 3087, 3118, 3119,  
 3120, 3121, 3122, 3123, 3124,  
 3125, 3126, 3127, 3131, 3174,  
 3175, 3176, 3179, 3180, 3181,  
 3182, 3183, 3186, 3187, 3188,  
 3189, 3218, 3219, 3222, 3223,  
 3226, 3227, 3230, 3295, 3297,  
 3303, 3305, 3311, 3313, 3319,  
 3326, 3334, 3341, 3348, 3354,  
 3356, 3358, 3360, 3366, 3372,  
 3386, 3432, 3459, 3472, 4976,  
 4977, 4978, 4979, 4980, 4981,  
 4982  
 \orig 4501, 4502, 4503, 4504, 4505,  
 4507, 4515, 4523, 4531, 4539  
 \originaltoday . . . . . 2871, 2872  
 \Ovalbox . . . . . 4243, 4296  
 \ovalbox . . . . . 4238, 4291  
 \overline . . . . . 4622  
  
**P**  
 \p@ . . . . . 1963, 3816  
 \PackageError . . . . .  
 1462, 1465, 1468, 1471, 1474,  
 1477, 1480, 2942, 2991, 3246,  
 3393, 3399, 3405, 3411, 3417,  
 3423  
 \PackageInfo . . . . . 67, 79, 2933, 2934,  
 3536, 3537, 4495  
 \PackageWarning 2001, 2090, 3192,  
 3391  
 \PackageWarningNoLine . . . . . 2018,  
 2048  
 \page@free . . . . . 3860, 3862  
 \pageautorefname . . . . . 1370  
 \pagegoal . . . . . 4342  
 \pagename . . . . . 2965  
 \pagenumbering . . . . . 15, 98, 109, 127,  
 1280, 1565, 2419  
 \pageref . . . . . 3701, 4199  
 \pagesFormat . . . . . 3775, 3777  
 \pagestyle . . . . . 3918  
 \pagetotal . . . . . 4343  
 \par . . . . . 10, 17, 24, 40, 46, 52, 58, 99,  
 110, 117, 129, 787, 1272, 1282,  
 1294, 1402, 1569, 2359, 2366,  
 2373, 2381, 2389, 2422, 2452,  
 3818, 3820, 3826, 3828, 3829,  
 4318, 4403, 4745, 4805  
 \paragraphautorefname . . . . . 1366  
 \parallel . . . . . 3683  
 \parbox . . . . . 4744, 4804  
 \partautorefname . . . . . 1360  
 \partname . . . . . 2958  
 \PassOptionsToClass 3580, 3581,  
 3582  
 \pbs . . . . . 4688, 4689  
 \pdfstringdefDisableCommands .  
 . . . . . 1381  
 \penalty . . . . . 166, 172, 1976, 2886  
 \persian . . . . . 2867  
 \PersianAlphs . . . . . 2867, 2870, 3428,  
 3433, 3548  
 \persianday . . . . . 4975  
 \PersianDisplayMathsDigits . .  
 . . . . . 3314, 4647, 4653  
 \persianfont . . . . . 2606, 2856, 2858  
 \PersianInlineMathsDigits 3306,  
 4643, 4652  
 \PersianMathsDigits 3298, 4651  
 \persianmathsdigits 4560, 4644,  
 4648, 4656, 4660  
 \persianmathsfdigits 4587, 4645,  
 4649, 4657, 4661  
 \persianmathttdigits 4600, 4646,  
 4650, 4658, 4662  
 \persianmonth . . . . . 4974  
 \persiansfdefault . . . . . 2678, 2686,  
 2716, 2724  
 \persiansffamily . . . . . 2684, 2685,  
 2702, 2717  
 \persiantoday . . . . . 2873, 4969  
 \persianttdefault . . . . . 2679, 2689,  
 2737, 2745



`\persianttfamily` . . . 2687, 2688,  
                   2703, 2738  
`\persianyear` . . . . . 4973  
`\pictureCaptionFormat` . . . 3771,  
                   3773  
`\plftitle` . . . . . 1578  
`\plq` . . . . . 2568  
`\plttitle` . . . . . 1579  
`\pookdefault` . . 2682, 2698, 2779,  
                   2787  
`\pookfamily` . . 2696, 2697, 2706,  
                   2780  
`\postmath` . . . . . 172  
`\PrefixCurrentTab` . . . . . 2492  
`\premath` . . . . . 168  
`\prepnex@tok` . . . . . 1828, 1838  
`\printindex` . . . 3394, 3406, 3418  
`\process@table` . . . . . 4481  
`\ProcessOptions` . . . . 3594, 4811  
`\ProcessOptionsX` . . . . . 3491  
`\proofname` . . . . . 2967  
`\protect` . . 1302, 4000, 4001, 4003,  
                   4032, 4033, 4035, 4066, 4067,  
                   4069, 4086, 4087, 4089, 4107,  
                   4108, 4110, 4206, 4207, 4209,  
                   4694, 4697, 4699, 4702, 4720,  
                   4725, 4726, 4727, 4729, 4730,  
                   4731, 4751, 4752  
`\protected@write` . . . 3466, 3470  
`\providecommand` . . . . . 3191  
`\ProvidesClass` . . . . . 3550  
`\ProvidesFile` . . . . 1, 4, 8, 14, 23,  
                   38, 44, 50, 56, 62, 82, 91, 93,  
                   104, 115, 123, 135, 175, 1128,  
                   1188, 1205, 1216, 1259, 1270,  
                   1276, 1288, 1292, 1299, 1328,  
                   1336, 1350, 1354, 1399, 1406,  
                   1449, 1452, 1483, 1563, 1576,  
                   1586, 1956, 2357, 2364, 2371,  
                   2379, 2387, 2416, 2450, 2480,  
                   2483, 2503  
`\ProvidesPackage` . . . 2517, 4419,  
                   4676, 4813  
`\prq` . . . . . 2567  
`\ptctitle` . . . . . 1577

## Q

`\question` . . . . . 4799  
`\questionsepspace` . . 4796, 4797,  
                   4809  
`\questionspace` . 4703, 4704, 4745  
`\questiontitle` . . . . 4791, 4810  
`\questiontitlefont` . . . . 4793  
`\questiontitlespace` 4794, 4795,  
                   4805

## R

`\raggedFormat` . . 3612, 4260, 4334,  
                   4380, 4405  
`\RaggedLeft` . . . . . 3612  
`\raisebox` . . . . . 3658, 3663  
`\refname` . . . . . 92, 2956  
`\refstepcounter` . . . . 4761, 4762  
`\relax` . . . . 1484, 1676, 1708, 1843,  
                   1844, 1865, 1866, 1867, 1928,  
                   1938, 1962, 1968, 2012, 2042,  
                   2070, 2077, 2083, 2110, 2117,  
                   2128, 2283, 2396, 2430, 2460,  
                   2481, 2486, 2571, 2589, 2841,  
                   2842, 2935, 3293, 3301, 3309,  
                   3317, 3324, 3332, 3339, 3346,  
                   3352, 3364, 3370, 3376, 3380,  
                   3384, 3390, 3403, 3415, 3427,  
                   3457, 3464, 3473, 3474, 3499,  
                   3505, 3506, 3507, 3531, 3533,  
                   3594, 3813, 3834, 3835, 3840,  
                   3841, 3842, 3843, 4424, 4438,  
                   4448, 4464, 4497, 4499, 4509,  
                   4517, 4525, 4533, 4541, 4553,  
                   4635, 4669, 4673, 4843, 4844,  
                   4846, 4851, 4856, 4857, 4863,  
                   4865, 4867, 4869, 4870, 4871,  
                   4872, 4873, 4874, 4875, 4876,  
                   4877, 4878, 4879, 4881, 4883,  
                   4884, 4889, 4890, 4897, 4899,  
                   4902, 4906, 4907, 4910, 4911,  
                   4914, 4919, 4921, 4923, 4925,  
                   4926, 4927, 4928, 4929, 4930,  
                   4931, 4932, 4933, 4934, 4935,  
                   4936, 4938, 4939, 4942, 4947,  
                   4951, 4957, 4959, 4960  
`\renewcommand` . . 9, 16, 24, 30, 31,



34, 39, 40, 45, 46, 51, 52, 57,  
 58, 86, 88, 94, 95, 99, 105,  
 106, 110, 116, 117, 124, 128,  
 129, 1271, 1272, 1277, 1281,  
 1282, 1289, 1290, 1291, 1293,  
 1294, 1330, 1332, 1334, 1401,  
 1564, 1566, 1567, 1568, 1569,  
 1957, 1974, 1985, 2358, 2359,  
 2365, 2366, 2372, 2373, 2380,  
 2381, 2388, 2389, 2395, 2417,  
 2421, 2422, 2429, 2451, 2452,  
 2459, 2484, 2504, 2505, 2506,  
 2507, 2508, 2509, 2510, 2511,  
 2512, 2513, 2895, 3240, 3394,  
 3406, 3418, 3624, 3631, 3633,  
 3635, 3642, 3649, 3650, 3651,  
 3652, 3653, 3705, 3706, 3707,  
 3718, 3719, 3720, 3811, 3916,  
 3952, 3972, 4311, 4321, 4326,  
 4692  
 \renewenvironment . . . 1337, 4801  
 \repeat . . . . . 2930, 4944, 4953  
 \RequirePackage . . . . .  
 . . . 2519, 2520, 2521, 2522,  
 3551, 3596, 3597, 3598, 3599,  
 3600, 3601, 3603, 3605, 3607,  
 3608, 3609, 3610, 3611, 4678,  
 4679, 4680, 4681, 4682, 4683  
 \reserved@a 1640, 1644, 1650, 1656,  
 1659, 1662, 1665, 1668, 1671,  
 1674  
 \reserved@b . . . . . 1620, 1621  
 \reset@font . . . 1311, 2000, 2089,  
 2846, 2857, 2875, 2889  
 \resetlatinfont . . . . . 84, 86,  
 1289, 1290, 1330, 1332, 2837,  
 2863, 2865, 2869, 2876, 2895,  
 3242  
 \restore@mathversion . . . . 4481  
 \restoreapp . . . . . 36  
 \rightfootnoterule . . . . . 3357  
 \rightline . . . . . 4315  
 \rl . . . . . 1383, 2864, 2873  
 \RLE . . . . . 2864  
 \rmdefault . . . 2605, 2613, 2633  
 \Roman . . . . . 1196, 2403, 2437, 2467  
 \roman . . . 1195, 2404, 2438, 2468  
 \romannumeral . . 2412, 2446, 2476,  
 4943, 4952, 4962  
 \RTL . . . . . 2867  
 \RTLfoottextfont . . . . . 1291  
 \rule 3675, 3801, 3903, 3909, 3996,  
 4028  
 S  
 \sayehdefault . 2683, 2701, 2800,  
 2808  
 \sayehfamily . . 2699, 2700, 2707,  
 2801  
 \scriptsize . . . . . 3633  
 \secondarticle 4007, 4032, 4033,  
 4035  
 \secondSubtitleFormat . . . 3747,  
 3749  
 \secondTextFormat . . 3751, 3754  
 \secondTitleFormat . 3738, 3743,  
 3744  
 \section . . . . . 2943  
 \sectionautorefname . . . . 1363  
 \sectionname . . . . . 11, 1403  
 \select@group . . . . . 4423  
 \selectfont 2610, 2630, 2655, 2673,  
 2686, 2689, 2692, 2695, 2698,  
 2701, 2721, 2742, 2763, 2784,  
 2805, 2826, 2849, 2860, 2936  
 \set@@mathdelimiter . . . . 4488  
 \set@fontsize . . . . . 3498, 3530  
 \set@mathaccent . . . . . 4485  
 \set@mathchar . . . . . 4485  
 \set@mathdelimiter . . . . . 4487  
 \set@mathsymbol . . . . . 4486  
 \set@typeset@protect 1306, 1310  
 \setboolean 2493, 2494, 3561, 3563,  
 3565, 3567, 3569, 3571, 3573,  
 3589, 3590, 3592, 3593, 3955,  
 3973, 4118, 4143, 4172, 4194  
 \setbox 150, 1687, 1730, 1834, 1836,  
 1837, 1927, 1930, 1937, 1940  
 \setclass . 1418, 1428, 1429, 1430,  
 1431, 1432, 1433, 1434, 1435  
 \setcounter . . . . . 27, 29,  
 33, 41, 42, 47, 48, 53, 54, 59,





60, 100, 101, 111, 112, 118, 119,	\setpersiansansfont . . . . .	2709
130, 131, 1273, 1274, 1283,	\setpookfont . . . . .	2772
1284, 1295, 1296, 1326, 1570,	\setsansfont . . . . .	2639
1571, 2360, 2361, 2367, 2368,	\setsayehfont . . . . .	2793
2374, 2375, 2382, 2383, 2390,	\SetSymbolFont . . . . .	4483
2391, 2423, 2424, 2453, 2454,	\SetSymbolFont@ . . . . .	4483
2487, 2491, 2495, 2496, 2497,	\settextfont . . . . .	2598, 3247
2498, 2499, 2500, 2501, 3833,	\setthesection . . . . .	1566
4714	\sf@size . . . . .	3517, 3519
\setdigitfont . . . . .	\sffamily . . . . .	3656
\SetDisplayMathsDigits . .	\shadowbox . . . . .	4228, 4281
4647, 4659, 4669, 4672	\shadowsize . .	4226, 4275, 4279
\SetEnumerateShortLabel . .	\shipout . . . . .	1306
1212, 1213, 1214, 1215	\shortarticleitem . . . . .	4411
\SetInlineMathsDigits . . .	\shortarticleItemTitleFormat .	
4643, 4655, 4668, 4673	. . . . .	3809, 3810
\setiranicfont . . . . .	\shortarticleSubtitleFormat .	
2814	. . . . .	3807, 3808
\setkeys . . . . .	\shortarticleTitleFormat	3805,
141, 158	3806	
\setlatinmonofont . . . . .	\sixt@n . . . . .	1639, 1676
2640	\slftitle . . . . .	1584
\setlatinsansfont . . . . .	\slttitle . . . . .	1585
2639	\small . . .	2944, 3635, 3636, 3690,
\setlatintextfont . .	3694, 3700, 3771, 3793, 3812	
2619, 3547	\smash . . . . .	2947
\setlength . . . . .	\SOUL@tt . . . . .	2481, 2482
1706,	\space	2002, 2091, 2517, 2892, 3198,
1709, 1728, 3559, 3591, 3626,	3859, 3860, 4000, 4001, 4003,	
3627, 3628, 3629, 3637, 3638,	4032, 4033, 4035, 4066, 4067,	
3639, 3640, 3644, 3645, 3646,	4069, 4086, 4087, 4089, 4107,	
3647, 3852, 3856, 3897, 3898,	4108, 4110, 4206, 4207, 4209,	
3915, 3920, 3921, 4045, 4077,	4316, 4735, 4970, 4971	
4149, 4174, 4177, 4225, 4226,	\SplitFootnoteRule . . . . .	3359
4274, 4275, 4341, 4342, 4358,	\ssf@size . . . . .	3523, 3525
4704, 4795, 4797	\stctitle . . . . .	1583
\setLTRcitationfont . . . . .	\stepcounter	26, 1325, 2489, 4710,
84	4723, 4754	
\SetMathAlphabet . . . . .	\str .	2613, 2633, 2724, 2745, 2766,
4484	2787, 2808, 2829	
\SetMathAlphabet@ . . . . .	\string	67, 1765, 1799, 1888, 2257,
4484	2888, 3467, 3471, 3511, 3513,	
\SetMathCharDef . . . . .	3517, 3519, 3523, 3525	
4498, 4572	\strip@pt . . . . .	2840, 2935, 3504
\SetMathCode . . . . .	\subparagraphautorefname	1367
. .	\subsectionautorefname . .	1364
4496, 4561, 4562, 4563,		
4564, 4565, 4566, 4567, 4568,		
4569, 4570, 4571		
\setmathsfdigitfont . . . . .		
4579		
\setmathttdigitfont . . . . .		
4592		
\setmonofont . . . . .		
2640		
\setnavarfont . . . . .		
2751		
\setpersianfont . . . . .		
88,		
1291, 1334, 2852, 2864, 2867,		
2870, 2895		
\setpersianmonofont . . . . .		
2730		



<code>\subsubsectionautorefname</code>	1365	<code>\thebook</code>	1567
<code>\symnew@mathbf@font@digits</code>	..	<code>\thechapter</code>	20,
4509		31, 103, 114, 121, 133, 1286,	
<code>\symnew@mathit@font@digits</code>	4517	1298, 1566, 1573, 2363, 2370,	
<code>\symnew@mathrm@font@digits</code>	..	2377, 2385, 2426, 2456	
4525		<code>\theclasse</code>	1418, 1423
<code>\symnew@mathsf@font@digits</code>	..	<code>\theHchapter</code>	1376, 1393
4533		<code>\theHsection</code>	1375, 1391
<code>\symnew@mathtt@font@digits</code>	4541	<code>\thempfn</code>	1735
		<code>\thempfootnote</code>	1735, 3239
		<code>\theoremautorefname</code>	1369
		<code>\thepage</code>	2002, 2019, 2049, 2091,
		2892, 3701	
		<code>\thepart</code>	9,
		16, 39, 45, 51, 57, 94, 105,	
		116, 128, 1271, 1281, 1293,	
		1401, 1568, 2358, 2365, 2372,	
		2380, 2388, 2421, 2451	
		<code>\thequestion</code>	4734, 4774, 4810
		<code>\thesection</code>	12, 34, 43, 49, 55, 61,
		1275, 1404, 2392	
		<code>\thirdarticle</code>	4039, 4066, 4067,
		4069	
		<code>\thirdSubtitleFormat</code>	3766, 3768
		<code>\thirdTextFormat</code>	3769, 3770
		<code>\thirdTitleFormat</code>	3757, 3762,
		3763	
		<code>\thispagestyle</code>	3956, 3961
		<code>\thr@@</code>	1762, 1781, 1782, 1796, 1817,
		1818, 1844, 1856, 1857, 1885,	
		1912, 1913	
		<code>\timestamp</code>	3794, 3991, 4021, 4057
		<code>\timestampFormat</code>	3793, 3795
		<code>\timestampSeparator</code>	3792, 3797
		<code>\timestampTxt</code>	3791, 3796
		<code>\tiny</code>	3631
		<code>\title</code>	3840
		<code>\TitleBarFrame</code>	1339, 1341, 1343,
		1345	
		<code>\tl</code>	2605, 2614, 2634, 2639, 2640,
		2716, 2725, 2737, 2746, 2758,	
		2767, 2779, 2788, 2800, 2809,	
		2821, 2830, 4475, 4492, 4573,	
		4574, 4575, 4587, 4600	
		<code>\tmp</code>	4688
		<code>\today</code>	2871, 2873, 4312
<b>T</b>			
<code>\tableautorefname</code>	1359		
<code>\tablename</code>	2950		
<code>\tabularxcolumn</code>	4692		
<code>\tartibi</code>	1192, 1206, 1211, 2400,		
2434, 2464, 3089			
<code>\tartibinumeral</code>	3095		
<code>\test</code>	1421, 1422, 1423		
<code>\textbf</code>	2, 3, 1339, 1341, 1343, 1345,		
4217, 4251, 4266, 4304			
<code>\textblockorigin</code>	3877		
<code>\textdegree</code>	3691		
<code>\textheight</code>	3884, 3909		
<code>\textiranic</code>	2704		
<code>\textit</code>	3802		
<code>\textnavar</code>	2705		
<code>\textpersiansf</code>	2702		
<code>\textpersiantt</code>	2703		
<code>\textpook</code>	2706		
<code>\textsayah</code>	2707		
<code>\textsc</code>	3804		
<code>\textsuperscript</code>	1960		
<code>\texttt</code>	3661		
<code>\textwidth</code>	1733, 3883, 3903, 4215,		
4741			
<code>\textwidthfootnoterule</code>	3361		
<code>\tf@size</code>	3511, 3513		
<code>\thanks</code>	3814, 3834		
<code>\the</code>	137, 142, 1416,		
1710, 2208, 2213, 2219, 2226,			
2236, 2250, 2546, 2906, 2907,			
2908, 2911, 2912, 2913, 2917,			
2918, 2919, 2922, 2923, 2924,			
3859, 3860, 4345, 4668, 4672,			
4943, 4952, 4962			
<code>\the@choice</code>	4713, 4735		



<code>\topmargin</code> .....	1318	<code>\verbatim@processline</code> ...	2196,
<code>\TPHorizModule</code> 3672, 3897, 3996,		2209, 2229	
4028, 4079, 4126, 4127, 4150,		<code>\verbatim@startline</code> 2185, 2197,	
4151, 4174		2210, 2230	
<code>\TPVertModule</code> .....	3898	<code>\version@elt</code> .....	4480
<code>\true</code> .....	4763	<code>\version@list</code> .....	4480
<code>\truesymbol</code> .....	4757	<code>\vfil</code> .....	3815, 3831
<code>\tw@</code> .....	1416, 1657,	<code>\voidb@x</code> .....	150
1660, 1742, 1748, 1749, 1751,		<code>\vrb@catcodes</code> .....	2179
1761, 1771, 1772, 1795, 1805,		<code>\vskip</code> 1318, 1320, 1321, 3816, 3819,	
1806, 1843, 1849, 1850, 1855,		3821, 3827	
1884, 1894, 1895, 2103, 2906,		<code>\vspace</code> ..	3851, 3870, 3932, 3942,
2907, 2908, 2911, 2912, 2913		3985, 3989, 4012, 4015, 4019,	
<code>\twocolumnstableofcontents</code> ..		4026, 4044, 4048, 4052, 4061,	
.....	2940	4120, 4124, 4180, 4201, 4249,	
<code>\typeout</code> .....	2545, 2547, 3845	4253, 4272, 4302, 4306, 4351,	
<b>U</b>			
<code>\Umathchardef</code> .....	4499	4353, 4363, 4366, 4391, 4393,	
<code>\Umathcode</code> .....	4497	4413, 4415, 4745, 4803, 4805	
<code>\undefined</code> 1597, 4604, 4636, 4644,		<code>\vss</code> .....	1719
4645, 4646, 4648, 4649, 4650,		<code>\vtop</code> .....	1714, 1715, 1836
4656, 4657, 4658, 4660, 4661,		<b>W</b>	
4662		<code>\weatherFormat</code> .....	3686, 3688
<code>\unhbox</code> .....	1719	<code>\weatheritem</code> ...	4092, 4107, 4108,
<code>\unpenalty</code> .....	172	4110	
<code>\unskip</code> 169, 1873, 1874, 1875, 1960,		<code>\weatherTempFormat</code> .	3690, 4100
2023, 2054		<code>\weatherUnits</code> .....	3691, 4102
<code>\unvbox</code> .....	1719	<code>\whiledo</code> .....	4717
<code>\use</code> 2606, 2626, 2649, 2653, 2667,		<code>\width</code> .....	1347, 2288, 2289
2671, 2717, 2738, 2759, 2780,		<code>\write</code> ...	2888, 3396, 3408, 3420
2801, 2822		<code>\writexviiiifalse</code> .....	2592
<code>\use@mathgroup</code> .....	4434	<code>\writexviiiitru</code> .....	2590
<code>\usebox</code> .....	3849	<b>X</b>	
<code>\usecounter</code> .....	4747	<code>\X</code> .....	4687
<b>V</b>			
<code>\value</code> .....	2486, 4717, 4733	<code>\x</code> .....	2574, 2579
<code>\vbox</code> .	1306, 1319, 1690, 1707, 1712,	<code>\xdef</code> .....	1377, 1395,
1713, 1730, 1837, 1927, 1931,		3511, 3513, 3517, 3519, 3523,	
1937, 1941, 4388, 4414		3525, 4434, 4713, 4718, 4742,	
<code>\vcenter</code> .....	1716, 1717	4743, 4764, 4765, 4768, 4769	
<code>\verbatim@addtoline</code> .....		<code>\XePersian</code> ....	1384, 2947, 3710
..	2192, 2207, 2218, 2225,	<code>\xepersian</code> .....	2266, 2268
2227, 2235, 2237, 2249, 2251		<code>\xepersian@@adadi</code> ..	3005, 3030
<code>\verbatim@finish</code> .....	2245	<code>\xepersian@@adadi@tartibi</code>	3106,
		3131	



\xepersian@@fontsize@scale . .	\xepersian@firstText 3735, 3991
. . . 2838, 2839, 2850, 2853,	\xepersian@firstTitle . . . 3723,
2854, 2861, 3449, 3499, 3506	3986
\xepersian@@latin@fontsize@scale	\xepersian@fmbox . . . 3846, 3848,
. . . 2841, 2850, 3453	3849
\xepersian@@math@fontsize@scale	\xepersian@footcenter . . . 3712,
. . . . . 3445, 3504	3719, 3971
\xepersian@@update@math@fontsize	\xepersian@footleft 3714, 3718,
. 3503, 3513, 3519, 3525	3970
\xepersian@A 1412, 1428, 1442, 1444	\xepersian@footright 3709, 3720,
\xepersian@adadi . . . 2999, 3004	3969
\xepersian@adadi@tartibi 3100,	\xepersian@gridcolumns . . 3575,
3105	3577, 3616, 3620
\xepersian@cmds@temp 2569, 2587	\xepersian@gridrows 3574, 3576,
\xepersian@coltitsize . . . . .	3616, 3620
. . 3553, 4276, 4277, 4278,	\xepersian@headcenter . . . 3696,
4279, 4282, 4287, 4292, 4297	3706, 3968
\xepersian@computeautoilg 2902,	\xepersian@headDateTime . 3682,
3534	3936, 3950
\xepersian@cx . 3880, 3885, 3902	\xepersian@headleft 3693, 3705,
\xepersian@cy . 3881, 3886, 3908	3967
\XePersian@d . . . 4816, 4841, 4946,	\xepersian@headright 3699, 3707,
4965, 4967, 4970, 4975	3966
\xepersian@D . . . 1409, 1430, 1431,	\XePersian@i . . . . .
1432, 1433, 1437, 1438, 1439,	. . 4816, 4939, 4940, 4942,
1441, 1442	4943, 4944, 4947, 4951, 4952,
\xepersian@dahgan . 3063, 3084,	4955, 4956, 4959, 4962, 4964
3167	\xepersian@ilg 2899, 2903, 2907,
\xepersian@dahgan@tartibi 3165,	2908, 2912, 2913, 2931
3173	\xepersian@imgsize 3552, 3853,
\XePersian@dn . . . . .	3854, 3856, 3865, 3866
. . 4836, 4935, 4943, 4946,	\xepersian@incolumntitle 4263,
4949, 4953, 4965, 4967	4282, 4287, 4292, 4297
\xepersian@dx . 3878, 3883, 3894,	\xepersian@indexEntry . . . 3672,
3897	4199
\xepersian@dy . 3879, 3884, 3895,	\xepersian@indexEntryPage 3678,
3898	4199
\xepersian@edition . 3660, 3664,	\xepersian@indexFrameTitle . .
3700, 3820, 3952	. . . . . 3668, 4175
\xepersian@editionLogo . . 3662,	\xepersian@indexwidth . . . 3556,
3930, 3948	3675, 4174, 4178, 4179
\xepersian@editorialTit . 4357,	\xepersian@inexpandedtitle . .
4376	. . 4214, 4229, 4234, 4239,
\xepersian@editorialTitle 3803,	4244
4362	\xepersian@innerSubtitle 3790,
\xepersian@everyjob 2546, 2547	4330



\XePersian@innerTitle ... 3779, 4329  
\XePersian@kabisehfalse . 4886, 4892  
\XePersian@kabisehtrue .. 4892  
\XePersian@kashida . 1415, 1437, 1438, 1439, 1440, 1441, 1442, 1443  
\XePersian@L ... 1410, 1434, 1438, 1439, 1440, 1443, 1444  
\XePersian@latini .. 4817, 4863  
\XePersian@latinii . 4818, 4865, 4867  
\XePersian@latiniii 4819, 4869  
\XePersian@latiniv . 4820, 4870  
\XePersian@latinix . 4825, 4875  
\XePersian@latinvi .. 4821, 4871  
\XePersian@latinvii . 4822, 4872  
\XePersian@latinviii 4823, 4873  
\XePersian@latinix . 4824, 4874  
\XePersian@latinxi .. 4826, 4876  
\XePersian@latinxii . 4827, 4877  
\XePersian@latinxiii 4828, 4878  
\XePersian@leapfalse 4848, 4852, 4858  
\XePersian@leaptrue 4858, 4859  
\XePersian@localize@verbatim@ .. 2187, 2188, 2190, 2198, 2211, 2220, 2231, 2239, 2253  
\XePersian@localize@verbatim@@ .. 2190, 2191  
\XePersian@localize@verbatim@@@ .. 2193, 2194  
\XePersian@localize@verbatim@@@testend .. 2233, 2243  
\XePersian@localize@verbatim@rescan .. 2247, 2256  
\XePersian@localize@verbatim@start . 2184, 2259, 2260, 2271  
\XePersian@localize@verbatim@test ... 2202, 2204, 2205  
\XePersian@localize@verbatim@testend .. 2216, 2223  
\XePersian@m ... 4816, 4841, 4937, 4956, 4959, 4971, 4974  
\XePersian@milyoongan ... 3032, 3043  
\XePersian@milyoongan@tartibi .. 3133, 3144  
\XePersian@mminusone 4838, 4937, 4938, 4940, 4944  
\XePersian@ncol .... 3907, 3908  
\XePersian@ncolumns 3557, 4258, 4259, 4326  
\XePersian@nrow .... 3901, 3902  
\XePersian@numberoutofrange . ... 2990, 3001, 3102  
\XePersian@numberstring . 2987, 2995  
\XePersian@numberstring@tartibi .. 3093, 3096  
\XePersian@PackageInfo .. 4495, 4555  
\XePersian@pageleft 3555, 4342, 4343, 4345, 4347  
\XePersian@pageneed ..... 3554, 3856, 3857, 3859, 3862, 4341, 4347  
\XePersian@pages ... 3776, 4011, 4043, 4328  
\XePersian@persian@month 4971, 4976  
\XePersian@persiani 4817, 4917, 4918, 4948, 4965  
\XePersian@persianii 4818, 4919  
\XePersian@persianiii ... 4819, 4921, 4923  
\XePersian@persianiv 4820, 4925  
\XePersian@persianix 4825, 4930  
\XePersian@persianv 4821, 4926  
\XePersian@persianvi 4822, 4927  
\XePersian@persianvii ... 4823, 4928  
\XePersian@persianviii .. 4824, 4929  
\XePersian@persianx 4826, 4931  
\XePersian@persianxi 4827, 4932  
\XePersian@persianxii ... 4828, 4933  
\XePersian@persianxiii .. 4829, 4934



\XePersian@pictureCaption 3772,  
3868, 4082  
\XePersian@R 1411, 1429, 1441, 1443  
\XePersian@sadgan .....  
... 3036, 3041, 3045, 3049,  
3054, 3137, 3150  
\XePersian@sadgan@tartibi 3142,  
3146, 3155  
\XePersian@say 3845, 4325, 4345,  
4348, 4350, 4374, 4400  
\XePersian@secondSubtitle 3748,  
4017  
\XePersian@secondText ... 3752,  
4021  
\XePersian@secondTitle .. 3739,  
4013  
\XePersian@section . 3692, 3697,  
4321  
\XePersian@shellescape .. 2589  
\XePersian@shortarticleItemTitle  
..... 3810, 4414  
\XePersian@shortarticleSubtitle  
..... 3808, 4394  
\XePersian@shortarticleTit ..  
..... 4386, 4401  
\XePersian@shortarticleTitle .  
..... 3806, 4390  
\XePersian@sn .....  
... 4837, 4936, 4948, 4949,  
4952, 4953, 4962, 4967  
\XePersian@strutilg .....  
... 2900, 2903, 2918, 2919,  
2923, 2924, 2931, 2932, 2935,  
3535, 3538  
\XePersian@tartibi . 3093, 3178  
\XePersian@tcl .....  
... 2898, 2903, 2905, 2906,  
2907, 2908, 2911, 2912, 2913,  
2917, 2918, 2919, 2922, 2923,  
2924, 2929, 2930  
\XePersian@temp .....  
... 4831, 4842, 4843, 4844,  
4846, 4850, 4851, 4852, 4855,  
4856, 4857, 4858, 4880, 4881,  
4882, 4885, 4886, 4888, 4891,  
4892, 4896, 4897, 4900, 4903,  
4908, 4913, 4915, 4916, 4918  
\XePersian@tempa .....  
... 3292, 3300, 3308, 3316,  
3323, 3331, 3338, 3345, 3351,  
3363, 3369, 3375, 3379, 3383,  
3389, 3402, 3414, 3426, 3456,  
3463  
\XePersian@tempb .....  
... 3292, 3293, 3300, 3301,  
3308, 3309, 3316, 3317, 3323,  
3324, 3331, 3332, 3338, 3339,  
3345, 3346, 3351, 3352, 3363,  
3364, 3369, 3370, 3375, 3376,  
3379, 3380, 3383, 3384, 3389,  
3390, 3402, 3403, 3414, 3415,  
3426, 3427, 3456, 3457, 3463,  
3464  
\XePersian@tempthree .....  
... 4833, 4894, 4895, 4896,  
4898, 4901, 4904, 4905, 4909,  
4912, 4913, 4914, 4915  
\XePersian@temptwo .....  
... 4832, 4882, 4883, 4884,  
4885, 4888, 4889, 4890, 4891,  
4898, 4899, 4900, 4901, 4902,  
4903, 4905, 4906, 4907, 4908,  
4909, 4910, 4911, 4912  
\XePersian@thirdSubtitle 3767,  
4050  
\XePersian@thirdText 3770, 4057  
\XePersian@thirdTitle ... 3758,  
4046  
\XePersian@thirtytwo 4835, 4879,  
4886  
\XePersian@V ..... 1413, 1435  
\XePersian@weather . 3687, 4122  
\XePersian@www ..... 3657, 3930  
\XePersian@wwwFormat 3656, 3658  
\XePersian@y .....  
... 4816, 4841, 4842, 4845,  
4855, 4858, 4880, 4894, 4957,  
4960, 4971, 4973  
\XePersian@yekani . 3036, 3064,  
3068, 3075, 3078, 3137  
\XePersian@yekanii . 2987, 3049,  
3074, 3150



`\xepersian@yekaniiii` 3045, 3077, 3146  
`\xepersian@yekaniv` 3056, 3080, 3157  
`\xepersian@yekanv` .. 3169, 3185  
`\XePersian@yModHundred` .....  
 .. 4834, 4845, 4846, 4847, 4850, 4854  
`\xepersian@zwj` .. 1407, 1415, 1416  
`\xepersiandate` . 2516, 2517, 2533  
`\xepersianInit` ..... 3613, 3914  
`\xepersianversion` .. 2515, 2517, 2533, 2548  
`\XeTeXcharclass` ..... 1423  
`\XeTeXcharglyph` .....  
 .. 1416, 2906, 2907, 2908, 2911, 2912, 2913, 2917, 2918, 2919, 2922, 2923, 2924  
`\XeTeXglyphbounds` .....  
 .. 1416, 2906, 2907, 2908, 2911, 2912, 2913, 2917, 2918, 2919, 2922, 2923, 2924  
`\XeTeXinterchartoks` .... 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444  
`\xpg@warning` ... 3191, 3196, 3198  
 3169, 3198, 3220, 3224, 3228, 3231, 4892  
`\z@skip` ..... 1315, 1316  
`\ziffer@check` ..... 4610, 4611  
`\ziffer@dcheck` ..... 4609, 4610  
`\ziffer@DotOri` ..... 4607, 4610  
`\ZifferAn` ..... 4605, 4608  
`\ZifferLeer` ..... 4610, 4636  
 \ ..... 1119, 1575, 2171  
 \ ..... 1599, 1601, 1604, 1611  
 \ ..... 1604  
 \ .. 1589, 1596, 1597, 1600, 1601, 1609, 1611  
 \ ..... 1594, 1595, 1599, 1606  
 \ 1587, 1593, 1594, 1599, 1604, 1605  
 \ ... 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1597  
 \ 1599, 1600, 1605, 1606, 1608, 1609  
 \ ..... 1599, 1604  
 \ ..... 1599, 1600, 1605, 1609  
 \ ..... 1594, 1595  
 \ ..... 1599, 1601, 1606, 1611  
 @ \ ..... 1588, 1592  
 @ \ .. 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317  
 @ \ ..... 1588  
 \ ..... 1594  
 \ ..... 1588, 1592  
 \ ..... 1950, 2258  
 \ ..... 2172  
 \ ..... 1595, 1947, 1948  
 \ ..... 1587  
 \ ..... 1590  
 \ ..... 1589, 1591

**Y**  
`\y` ..... 2575, 2577, 2579  
`\year` ..... 4841

**Z**  
`\z` ..... 2576, 2577  
`\z@` ..... 10, 18, 152, 153, 164, 166, 1317, 1402, 1635, 1735, 1739, 1744, 1745, 1753, 1763, 1767, 1768, 1773, 1787, 1797, 1801, 1802, 1807, 1823, 1845, 1846, 1857, 1875, 1886, 1890, 1891, 1904, 1918, 2105, 2151, 2153, 2162, 2286, 2287, 2294, 2295, 2903, 2906, 2911, 2917, 2922, 3031, 3033, 3035, 3039, 3055, 3058, 3064, 3132, 3134, 3136, 3140, 3156, 3159,



## 8 Change History

v13.1		v13.5	
General: Added implementation of		General: Fixed the extra space after	
the package. . . . .	0	Persian decimal separator. . . .	150
v13.2		v13.6	
General: Replaced <code>\reflect</code> with		General: Used <code>\XeTeXglyphbounds</code>	
<code>\bidi@reflect@box</code> . . . . .	117	to find the true height and depth	
		of the Kashida character. . . . .	85

