



The XePersian *Package*

Documentation for *version 19.9*

to my Master, Ferdowsi The Great

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

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

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

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The XePersian *Package*

Persian for \LaTeX _{2 ϵ} , using Xe \TeX engine

Documentation for [version 19.9](#)

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December 27, 2017

Contents

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

4	New Conditionals	43	7	xepersian implementation	55
4.1	Shell escape (or write18) conditional	43	7.1	algorithmic-xepersian.def	55
5	Bilingual Captions	43	7.2	algorithm-xepersian.def	56
5.1	Support For Various Packages	44	7.3	amsart-xepersian.def	56
5.1.1	Things You Should Know about Support For enumerate Package	44	7.4	amsbook-xepersian.def	56
5.2	Index Generation	44	7.5	appendix-xepersian.def	56
5.3	Converting Your FarsiT _E X Files To XePersian or Unicode	44	7.6	article-xepersian.def	56
6	Extra Packages And Classes	45	7.7	artikel1-xepersian.def	57
6.1	Magazine Typesetting	45	7.8	artikel2-xepersian.def	57
6.1.1	Introduction	45	7.9	artikel3-xepersian.def	57
6.1.2	Usage	45	7.10	backref-xepersian.def	57
6.1.3	Front Page	45	7.11	bidituftesidenote-xepersian.def	58
6.1.4	Inside	47	7.12	bidimoderncv-xepersian.def . . .	58
6.1.5	The article environment	47	7.13	boek3-xepersian.def	58
6.1.6	The editorial environment	48	7.14	boek-xepersian.def	58
6.1.7	The shortarticle environment	49	7.15	bookest-xepersian.def	58
6.1.8	Commands between articles	49	7.16	book-xepersian.def	59
6.1.9	Customization	49	7.17	breqn-xepersian.def	59
6.1.10	Front Page	50	7.18	latex-localise-commands-xepersian.def	60
6.1.11	Inside The Magazine	51	7.19	color-localise-xepersian.def . . .	79
6.1.12	Class Options	52	7.20	xepersian-localise-commands-xepersian.def	79
6.2	Typesetting Multiple-choice Questions	52	7.21	enumerate-xepersian.def	80
6.2.1	Introduction	52	7.22	enumitem-xepersian.def	81
6.2.2	Usage	53	7.23	latex-localise-environments-xepersian.def	81
6.2.3	Loading The Package	53	7.24	xepersian-localise-environments-xepersian.def	82
6.2.4	Creating Questions	53	7.25	extarticle-xepersian.def	82
6.2.5	The 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	135
7.49	report-xepersian.def	105	7.58	xepersian-mathsdigitspec.sty	152
7.50	scrartcl-xepersian.def	106	7.59	xepersian-multiplechoice.sty	158
7.51	scrbook-xepersian.def	106	7.60	xepersian-persiancal.sty	160
7.52	scrreprt-xepersian.def	107			
			8	Change History	199



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
*
* v19.9, 2017/12/27
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



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

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

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

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

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

For instance, consider the following minimal example:

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

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

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

See the xepersian package documentation for explanation.



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

1.5 \begin{document}

?
```

2.2 XePersian's Symbol

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

2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

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

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

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

2.4 Options of The Package

There are few options:

2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

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

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



2.4.2 extrafootnotefeatures Option

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

2.4.3 Kashida Option

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

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

`\KashidaOn` `\KashidaOff`

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

☞ `\KashidaOff` disables `Kashida`.

2.4.4 quickindex Option

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

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

2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which `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

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

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\begingroup	\شروع گروه
\belowdisplayshortskip	\فاصله کوتاه پایین نمایش
\belowdisplayskip	\فاصله پایین نمایش
\bf	\سیاه
\bfdefault	\پیش فرض سیاه
\bfseries	\شمايل سیاه
\bgroup	\شرگروه
\bibitem	\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

Continued on next page



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

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

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hbadness</code>	<code>\بدنمایی</code>
<code>\hbox</code>	<code>\کادرا</code>
<code>\headheight</code>	<code>\بلندای سرصفحه</code>
<code>\headsep</code>	<code>\فاصله از سرصفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\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 _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifcase</code>	\گرا نواع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گر ته پرونده
<code>\iff</code>	\گرر
<code>\iffalse</code>	\گر نادریست
<code>\IfFileExists</code>	\گر پرونده موجود
<code>\ifhbox</code>	\گر کا درا
<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 درو
<code>\ifvmode</code>	\گر حالت و
<code>\ifvoid</code>	\گر نهی
<code>\ifx</code>	\گر نام
<code>\ignorespaces</code>	\فاصله خالی را ندیده بگیر
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورود پرونده گر موجود
<code>\inputlineno</code>	\شماره سطر ورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد متن

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

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطر شکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال 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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\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>\تامین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیكال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال 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 ده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفع آخرين فاصله</code>
<code>\renewcommand</code>	<code>\فرمان از نو</code>
<code>\renewenvironment</code>	<code>\محيط از نو</code>
<code>\repeat</code>	<code>\از نو</code>
<code>\RequirePackage</code>	<code>\سبک مورد نیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک مورد نیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادر کشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی از دو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقدار</code>

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

\@tempb	\@موقت ب
\@tempc	\@موقت پ
\@tempd	\@موقت ت
\@tempe	\@موقت ث
\@tempboxa	\@کادرقت آ
\@tempcnta	\@شماقت آ
\@tempcntb	\@شماقت ب
\@tempdima	\@بعدقت آ
\@tempdimb	\@بعدقت ب
\@tempdimc	\@بعدقت پ
\@tempskipa	\@فاقت آ
\@tempskipb	\@فاقت ب
\@tempswafalse	\@سواقت آنادرست
\@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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textbar</code>	\میلۀ متنی
<code>\textgreater</code>	\بزرگ ترممتی
<code>\textless</code>	\کمترمتی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدورمتی
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متني
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\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 _E X or L ^A T _E 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 _E X or L ^A T _E X	Equivalent Persian Command
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پرزعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>
<code>\voidb@x</code>	<code>\ک@درتهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادرگود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>

Continued on next page



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

Table 2: The Equivalent XePersian Commands

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

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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 \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

Continued on next page



Environment in \LaTeX	Equivalent Persian Environment
array	آرایه
center	وسط چین
description	توضیح
displaymath	ریاضی نمایشی
document	نوشتار
enumerate	شمارش
figure	شکل
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر 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

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

Table 4: The Equivalent XePersian Environments

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

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

Table 5: The Equivalent \LaTeX position arguments

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

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

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

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



Table 6: Persian Equivalent keys of graphicx package

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

Table 7: Persian Equivalent key values of graphicx package

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

2.4.9 Localizations of font features and font feature options

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

Table 8: Persian Equivalent font features

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

Continued on next page



Original font feature	Equivalent Persian font feature
Renderer	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

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

Table 9: Persian Equivalent font feature options

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

2.5 A Sample Input T_EX File

```

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

```

2.6 Font Commands



2.6.1 Basic Font Commands

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

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

2.6.2 Defining Extra Persian and Latin Fonts

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

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

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

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

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

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

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



2.6.3 Choosing Persian Sans Font

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

2.6.4 Choosing Persian Mono Font

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

2.6.5 Choosing Persian Iranic Font

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

2.6.6 Choosing Persian Navar Font

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

2.6.7 Choosing Persian Pook Font

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

2.6.8 Choosing Persian Sayeh Font

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

2.6.9 Choosing Latin Sans Font

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

2.6.10 Choosing Latin Mono Font

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



3 Latin and Persian Environment

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

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 `latinitems` and `parsiitems` environments

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

☞ `latinitems` environment is similar to `LTItems` environment but changes the font to Latin font.

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

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

3.2 Short Latin and Persian Texts

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

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

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

3.3 Miscellaneous Commands

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

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



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

3.4 New Commands

`\Latincite`

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

3.5 Additional Counters

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

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

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



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

`\DefaultMathsDigits \PersianMathsDigits \AutoMathsDigits`

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

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

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

5 Bilingual Captions

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



5.1 Support For Various Packages

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

5.1.1 Things You Should Know about Support For enumerate Package

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

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

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

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

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

5.2 Index Generation

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

5.3 Converting Your FarsiT_EX Files To XePersian or Unicode

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

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

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

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

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

Where

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

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



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

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

6 Extra Packages And Classes

6.1 Magazine Typesetting

6.1.1 Introduction

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

6.1.2 Usage

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

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

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

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

6.1.3 Front Page

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

```
\firstimage \firstarticle
```

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

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

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



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

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

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

```
\secondarticle
```

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

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

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

```
\thirdarticle
```

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

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

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

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

```
\indexitem
```

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

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

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



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

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

```
\weatheritem
```

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

```
\weatheritem{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

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

6.1.4 Inside

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

6.1.5 The article environment

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

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

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

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




```
\authorandplace \timestamp
```

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

```
\image
```

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

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

```
\columnntitle \expandedtitle
```

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

```
\columnntitle{type}{text}  
\expandedtitle{type}{text}
```

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

6.1.6 The editorial environment

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



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

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

6.1.7 The shortarticle environment

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

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

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

6.1.8 Commands between articles

```
\articlesep \newsection
```

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

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

6.1.9 Customization

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



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinenam
```

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

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

```
\edition \editionformat
```

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

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

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

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

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

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

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



```
\pictureCaptionFormat \pagesFormat
```

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

6.1.11 Inside The Magazine

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

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

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

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

```
\innerTextFinalMark
```

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

```
\minraggedcols \raggedFormat
```

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

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



```
\heading \foot
```

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

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

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

6.1.12 Class Options

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

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

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

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

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

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

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



6.2.2 Usage

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

6.2.3 Loading The Package

You can load the package as usual by:

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

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

6.2.4 Creating Questions

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

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

6.2.5 The question Environment

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

```
\true \false
```

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

6.2.6 Question Numbers

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



6.2.7 The Form and the Mask

`\makeform \makemask`

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

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

6.2.8 Typesetting corrections

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

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

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

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

6.2.9 Important Note

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

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

6.3 Customising The Package



6.3.1 The question environment

`\questionspace \answerstitlefont \answernumberfont`

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

6.3.2 The Form and the Mask

`\headerfont \X`

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

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

6.3.3 The correction

`\truesymbol \falsesymbol`

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

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

`\correctionstyle`

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

7 xepersian implementation

7.1 algorithmic-xepersian.def




```

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

```

7.2 algorithm-xepersian.def

```

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

```

7.3 amsart-xepersian.def

```

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

```

7.4 amsbook-xepersian.def

```

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

```

7.5 appendix-xepersian.def

```

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

```

7.6 article-xepersian.def

```

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

```



```

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

```

7.7 artikel1-xepersian.def

```

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

```

7.8 artikel2-xepersian.def

```

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

```

7.9 artikel3-xepersian.def

```

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

```

7.10 backref-xepersian.def

```

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

```



```

80 }%
81 }%

```

7.11 bidentuftsidenote-xepersian.def

```

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

```

7.12 bidimoderncv-xepersian.def

```

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

```

7.13 boek3-xepersian.def

```

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

```

7.14 boek-xepersian.def

```

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

```

7.15 bookest-xepersian.def

```

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

```



```

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

```

7.16 book-xepersian.def

```

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

```

7.17 breqn-xepersian.def

```

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

```



```

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

```

7.18 latex-localise-commands-xepersian.def

```

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

```



```

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

```



```

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

```



```

310 \eqcommand{      }\{dblfontlocatecode\}
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{ @}{sxt@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

7.19 color-localise-xepersian.def

```

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

```

7.20 xepersian-localise-commands-xepersian.def

```

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

```




```

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

```

7.21 enumerate-xepersian.def

```

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

```




```

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 \@nodoocument
1617 \def \@capytype {#1}%
1618 \def \@fps {#2}%
1619 \@onelevel@sanitize \@fps
1620 \def \reserved@a {!}%
1621 \ifx \reserved@a \@fps
1622 \@fpsadddefault
1623 \else
1624 \ifx \@fps \@empty
1625 \@fpsadddefault
1626 \fi
1627 \fi
1628 \ifhmode
1629 \@bsphack
1630 \@floatpenalty -\@Mii
1631 \else
1632 \@floatpenalty-\@Miii
1633 \fi
1634 \ifinner
1635 \@parmoderr\@floatpenalty\z@
1636 \else
1637 \@next\@currbox\@freelist
1638 {%
1639 \@tempcnta \sixt@@n
1640 \expandafter \@tfor \expandafter \reserved@a
1641 \expandafter :\expandafter =\@fps
1642 \do
1643 {%
1644 \if \reserved@a h%
1645 \ifodd \@tempcnta
1646 \else
1647 \advance \@tempcnta \@ne
1648 \fi
1649 \fi
1650 \if \reserved@a %
1651 \ifodd \@tempcnta

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



[illegible]

```

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

```

7.43 natbib-xepersian.def

```

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

```



```

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

```



```

2049         {Multiple citation on page \thepage: same authors and
2050         year\MessageBreak without distinguishing extra
2051         letter,\MessageBreak appears as question mark}\fi
2052         \NAT@hyper@{\NAT@exlab}%
2053     \else
2054         \unskip\NAT@spacechar
2055         \NAT@hyper@{\NAT@date}%
2056     \fi
2057 \else
2058     \@citea\NAT@hyper@{%
2059         \NAT@nmfmt{\NAT@nm}%
2060         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2061         {\@citeb\@extra@b@citeb}%
2062         \NAT@date
2063     }%
2064 \fi
2065 \fi
2066 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2067 \or\@citea\NAT@hyper@{\NAT@date}%
2068 \or\@citea\NAT@hyper@{\NAT@alias}%
2069 \fi
2070 \if\relax\NAT@date\relax
2071     \NAT@def@citea
2072 \else
2073     \NAT@def@citea@close
2074 \fi
2075 \fi
2076 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2077 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2078 \newcommand\NAT@Latin@citexnum{}
2079 \def\NAT@Latin@citexnum[#1][#2]#3{%
2080     \NAT@reset@parser
2081     \NAT@sort@cites{#3}%
2082     \NAT@reset@citea
2083     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2084         \@for\@citeb:=\NAT@cite@list\do
2085             {\@safe@activestru
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{v19.9}
2516 \def\xepersiandate{2017/12/27}

```



```

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

```



```

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

```



```

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

```




```

2667 \use:x
2668 {
2669   \exp_not:N \DeclareRobustCommand \exp_not:N #1
2670   {
2671     \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2672     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2673     \exp_not:N \selectfont
2674   }
2675 }
2676 }
2677
2678 \newcommand\persiansfdefault{}
2679 \newcommand\persianttdefault{}
2680 \newcommand\iranicsfdefault{}
2681 \newcommand\navarsfdefault{}
2682 \newcommand\pooksfdefault{}
2683 \newcommand\sayehsfdefault{}
2684 \DeclareRobustCommand\persiansffamily
2685   {\not@math@alphabet\persiansffamily\mathpersiansf
2686   \fontfamily\persiansfdefault\selectfont}
2687 \DeclareRobustCommand\persianttfamily
2688   {\not@math@alphabet\persianttfamily\mathpersiantt
2689   \fontfamily\persianttdefault\selectfont}
2690 \DeclareRobustCommand\iranicsffamily
2691   {\not@math@alphabet\iranicsffamily\mathiranicsf
2692   \fontfamily\iranicsfdefault\selectfont}
2693 \DeclareRobustCommand\navarsffamily
2694   {\not@math@alphabet\navarsffamily\mathnavarsf
2695   \fontfamily\navarsfdefault\selectfont}
2696 \DeclareRobustCommand\pooksffamily
2697   {\not@math@alphabet\pooksffamily\mathpooksf
2698   \fontfamily\pooksfdefault\selectfont}
2699 \DeclareRobustCommand\sayehsfamily
2700   {\not@math@alphabet\sayehsfamily\mathsayehsf
2701   \fontfamily\sayehsfdefault\selectfont}
2702 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2703 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2704 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
2705 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
2706 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
2707 \DeclareTextFontCommand{\textsayehsf}{\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 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2840 \def\xepersian@@fontsize@scale{%
2841   \strip@pt\dimexpr 1pt * \dimexpr
2842   \xepersian@@latin@fontsize@scale pt\relax
2843   / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2844 }%
2845 \def\xepersian@@baselineskip@scale{%
2846   \strip@pt\dimexpr 1pt * \dimexpr
2847   \xepersian@@latin@baselineskip@scale pt\relax
2848   / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
2849 }%
2850 \@nonlatinfalse%
2851 \let\normalfont\latinfont%
2852 \let\resetfont\normalfont%
2853 \latinfont%
2854 \fontsize\font@size\font@baselineskip%
2855 \selectfont%
2856 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2857 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
2858 }
2859 \def\setpersianfont{%
2860 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2861 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2862 \let\xepersian@@fontsize@scale\@ne%
2863 \let\xepersian@@baselineskip@scale\@ne%
2864 \@nonlatintrue%
2865 \let\normalfont\persianfont%
2866 \let\resetfont\normalfont%

```



```

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

```



```

2917 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2918 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2919 \fi
2920 \else
2921 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
2922 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2923 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2924 \fi
2925 \fi
2926 \fi
2927 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
2928 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2929 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2930 \fi
2931 \else
2932 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
2933 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2934 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2935 \fi
2936 \fi
2937 \fi
2938 \fi
2939 \advance\xepersian@tcl\@ne
2940 \ifnum\xepersian@tcl<1792\repeat
2941 \advance\xepersian@strutilg\xepersian@ilg
2942 % \ifdim\xepersian@strutilg>\baselineskip
2943 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2944 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2945 % \linespread{\strip@pt{dimexpr 1pt * \xepersian@strutilg / \baselineskip}\relax}
2946 % \selectfont
2947 % \fi
2948 }
2949
2950 \newcommand*\xepersian@setlength[4]{%
2951 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
2952 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
2953 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
2954 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
2955 \else
2956 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
2957 \fi
2958 \else
2959 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
2960 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
2961 \else
2962 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
2963 \fi
2964 \fi
2965 \else
2966 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi

```



```

2967 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
2968 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
2969 \else
2970 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
2971 \fi
2972 \else
2973 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
2974 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
2975 \else
2976 \setlength{#1}{#2 \@plus#3 \@minus#4}%
2977 \fi
2978 \fi
2979 \fi
2980 }
2981
2982 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
2983 \@defaultunits\@tempdima#2pt\relax\@nnil
2984 \setlength{\@tempdimc}{\@tempdima}%
2985 \addtolength{\@tempdimc}{-10\p@}%
2986 \edef\@ptsize{\strip@pt\@tempdimc}%
2987 \@defaultunits\@tempdimb#1pt\relax\@nnil
2988 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
2989 \edef\@tempb{\the\@tempdimc}%
2990 \setlength{\@tempdimc}{\@tempdima}%
2991 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
2992 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
2993 \xepersian@setlength{\abovedisplayskip}%
2994 {\.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
2995 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
2996 \xepersian@setlength{\belowdisplayshortskip}%
2997 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
2998 \setlength{\belowdisplayskip}{\abovedisplayskip}%
2999 \edef\normalsize{%
3000 \noexpand\setfontsize\noexpand\normalsize
3001 {\the\@tempdima}{\the\@tempdimb}%
3002 \abovedisplayskip \the\abovedisplayskip
3003 \abovedisplayshortskip \the\abovedisplayshortskip
3004 \belowdisplayskip \the\belowdisplayskip
3005 \belowdisplayshortskip \the\belowdisplayshortskip
3006 \let\noexpand\@listi\noexpand\@listI
3007 }%
3008 \setlength{\@tempdima}{0.9125\@tempdimc}%
3009 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3010 \xepersian@setlength{\abovedisplayskip}%
3011 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3012 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3013 \xepersian@setlength{\belowdisplayshortskip}%
3014 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3015 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3016 \edef\small{%

```



```

3017 \noexpand\@setfontsize\noexpand\small
3018 {\the\@tempdima}{\the\@tempdimb}%
3019 \abovedisplayskip \the\abovedisplayskip
3020 \abovedisplayshortskip \the\abovedisplayshortskip
3021 \belowdisplayskip \the\belowdisplayskip
3022 \belowdisplayshortskip \the\belowdisplayshortskip
3023 \let\noexpand\@listi\noexpand\@listi@small
3024 }%
3025 \setlength{\@tempdima}{.83334\@tempdimc}%
3026 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3027 \xepersian@setlength{\abovedisplayskip}%
3028 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3029 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3030 \xepersian@setlength{\belowdisplayshortskip}%
3031 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3032 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3033 \edef\footnotesize{%
3034 \noexpand\@setfontsize\noexpand\footnotesize
3035 {\the\@tempdima}{\the\@tempdimb}%
3036 \abovedisplayskip \the\abovedisplayskip
3037 \abovedisplayshortskip \the\abovedisplayshortskip
3038 \belowdisplayskip \the\belowdisplayskip
3039 \belowdisplayshortskip \the\belowdisplayshortskip
3040 \let\noexpand\@listi\noexpand\@listi@footnotesize
3041 }%
3042 \setlength{\@tempdima}{.66667\@tempdimc}%
3043 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3044 \edef\scriptsize{%
3045 \noexpand\@setfontsize\noexpand\scriptsize
3046 {\the\@tempdima}{\the\@tempdimb}%
3047 }%
3048 \setlength{\@tempdima}{.5\@tempdimc}%
3049 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3050 \edef\tiny{%
3051 \noexpand\@setfontsize\noexpand\tiny
3052 {\the\@tempdima}{\the\@tempdimb}%
3053 }%
3054 \setlength{\@tempdima}{1.2\@tempdimc}%
3055 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3056 \edef\large{%
3057 \noexpand\@setfontsize\noexpand\large
3058 {\the\@tempdima}{\the\@tempdimb}%
3059 }%
3060 \setlength{\@tempdima}{1.44\@tempdimc}%
3061 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3062 \edef\Large{%
3063 \noexpand\@setfontsize\noexpand\Large
3064 {\the\@tempdima}{\the\@tempdimb}%
3065 }%
3066 \setlength{\@tempdima}{1.728\@tempdimc}%

```




```

3067 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3068 \edef\LARGE{%
3069     \noexpand\@setfontsize\noexpand\LARGE
3070     {\the\@tempdima}{\the\@tempdimb}%
3071 }%
3072 \setlength{\@tempdima}{2.074\@tempdimc}%
3073 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3074 \edef\huge{%
3075     \noexpand\@setfontsize\noexpand\huge
3076     {\the\@tempdima}{\the\@tempdimb}%
3077 }%
3078 \setlength{\@tempdima}{2.488\@tempdimc}%
3079 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3080 \edef\Huge{%
3081     \noexpand\@setfontsize\noexpand\Huge
3082     {\the\@tempdima}{\the\@tempdimb}%
3083 }%
3084 \normalsize
3085 \setlength{\@tempdimb}{\f@baselineskip}%
3086 \xepersian@setlength{\parsep}%
3087     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3088 \xepersian@setlength{\topsep}%
3089     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3090 \@tempswafalse
3091 \begingroup
3092     \def\@list@extra{\aftergroup\@tempswatrue}%
3093     \csname @listi\endcsname
3094 \endgroup
3095 \edef\@listi{\leftmargin\leftmarginI
3096     \topsep \the\topsep
3097     \parsep \the\parsep
3098     \itemsep \parsep
3099     \if@tempswa\noexpand\@list@extra\fi
3100 }%
3101 \let\@listI\@listi
3102 \xepersian@setlength{\parsep}%
3103     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3104 \xepersian@setlength{\topsep}%
3105     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3106 \@tempswafalse
3107 \begingroup
3108     \def\@list@extra{\aftergroup\@tempswatrue}%
3109     \csname @listi\endcsname
3110 \endgroup
3111 \edef\@listi@small{\leftmargin\leftmarginI
3112     \topsep \the\topsep
3113     \parsep \the\parsep
3114     \itemsep \parsep
3115     \if@tempswa\noexpand\@list@extra\fi
3116 }%

```



```

3117 \xepersian@setlength{\parsep}%
3118         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3119 \xepersian@setlength{\topsep}%
3120         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3121 \@tempswafalse
3122 \begingroup
3123 \def\@list@extra{\aftergroup\@tempwattrue}%
3124 \csname @listi\endcsname
3125 \endgroup
3126 \edef\@listi{\footnotesize{\leftmargin\leftmargini
3127 \topsep \the\topsep
3128 \parsep \the\parsep
3129 \itemsep \parsep
3130 \if@tempswa\noexpand\@list@extra\fi
3131 }%
3132 \xepersian@setlength{\parsep}%
3133         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3134 \xepersian@setlength{\topsep}%
3135         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3136 \@tempswafalse
3137 \begingroup
3138 \def\@list@extra{\aftergroup\@tempwattrue}%
3139 \csname @listii\endcsname
3140 \endgroup
3141 \edef\@listii{\leftmargin\leftmarginii
3142 \labelwidth=\dimexpr \leftmargin-\labelsep
3143 \topsep \the\topsep
3144 \parsep \the\parsep
3145 \itemsep \parsep
3146 \if@tempswa\noexpand\@list@extra\fi
3147 }%
3148 \xepersian@setlength{\topsep}%
3149         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3150 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3151 \@tempswafalse
3152 \begingroup
3153 \def\@list@extra{\aftergroup\@tempwattrue}%
3154 \csname @listiii\endcsname
3155 \endgroup
3156 \edef\@listiii{\leftmargin\leftmarginiii
3157 \labelwidth=\dimexpr \leftmargin-\labelsep
3158 \topsep \the\topsep
3159 \parsep \z@
3160 \partopsep \the\partopsep
3161 \itemsep \topsep
3162 \if@tempswa\noexpand\@list@extra\fi
3163 }%
3164 \@tempswafalse
3165 \begingroup
3166 \def\@list@extra{\aftergroup\@tempwattrue}%

```



```

3167 \csname @listiv\endcsname
3168 \endgroup
3169 \edef\@listiv{\leftmargin\leftmarginiv
3170 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3171 \if@tempswa\noexpand\@list@extra\fi
3172 }%
3173 \@tempswafalse
3174 \begingroup
3175 \def\@list@extra{\aftergroup\@tempwattrue}%
3176 \csname @listv\endcsname
3177 \endgroup
3178 \edef\@listv{\leftmargin\leftmarginv
3179 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3180 \if@tempswa\noexpand\@list@extra\fi
3181 }%
3182 \@tempswafalse
3183 \begingroup
3184 \def\@list@extra{\aftergroup\@tempwattrue}%
3185 \csname @listvi\endcsname
3186 \endgroup
3187 \edef\@listvi{\leftmargin\leftmarginvi
3188 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3189 \if@tempswa\noexpand\@list@extra\fi
3190 }%
3191 \@listi
3192 \setlength{\@tempdimb}{\f@baselineskip}%
3193 \setlength{\footnotesep}{.555\@tempdimb}%
3194 \xepersian@setlength{\skip\footins}%
3195 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3196 \xepersian@setlength{\floatsep}%
3197 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3198 \xepersian@setlength{\textfloatsep}%
3199 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3200 \setlength{\intextsep}{\floatsep}%
3201 \setlength{\dblfloatsep}{\floatsep}%
3202 \setlength{\dbltextfloatsep}{\textfloatsep}%
3203 \setlength{\@fptop}{\z@ \@plus 1fil}%
3204 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3205 \setlength{\@fpbot}{\@fptop}%
3206 \setlength{\@dblfpsep}{\@fpsep}%
3207 \setlength{\@dblfpbot}{\@fpbot}%
3208 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3209 }
3210 }
3211
3212 \newcommand\twocolumnstableofcontents{%
3213 \if@bidi@csundef{multi@column@out}{%
3214 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3215 \begin{multicols}{2}[\section*{\contentsname}]%
3216 \small

```



```

3217 \starttoc{toc}%
3218 \end{multicols}}

3219 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3220 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3221 \def\figurename{\if@RTL else\ Figure\fi}
3222 \def\tablename{\if@RTL else\ Table\fi}
3223 \def\contentsname{\if@RTL else\ Contents\fi}
3224 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3225 \def\listtablename{\if@RTL else\ List of Tables\fi}
3226 \def\appendixname{\if@RTL else\ Appendix\fi}
3227 \def\indexname{\if@RTL else\ Index\fi}
3228 \def\refname{\if@RTL else\ References\fi}
3229 \def\abstractname{\if@RTL else\ Abstract\fi}
3230 \def\partname{\if@RTL else\ Part\fi}
3231 \def\datename{\if@RTL else\ Date:\fi}
3232 \def\@and{\if@RTL else\ and\fi}
3233 \def\bibname{\if@RTL else\ Bibliography\fi}
3234 \def\chaptername{\if@RTL else\ Chapter\fi}
3235 \def\ccname{\if@RTL else\ cc\fi}
3236 \def\enclname{\if@RTL else\ encl\fi}
3237 \def\pagename{\if@RTL else\ Page\fi}
3238 \def\headtoname{\if@RTL else\ To\fi}
3239 \def\proofname{\if@RTL else\ Proof\fi}
3240 \def\@Abjad#1{%
3241 \ifcase#1\or or\ or\ or\ %
3242 \or or\ or\ or\ or\ %
3243 \or or\ or\ or\ or\ %
3244 \or or\ or\ or\ %
3245 \or or\ or\ or\ or\ %
3246 \or or\ or\ or\ or\ %
3247 \else\@ctrerr\fi}
3248 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3249 \let\Abjadnumeral\@Abjad
3250 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3251 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3252 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3253 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3254 \let\harfinumeral\@harfi
3255 \newcommand{\adadi}[1]{%
3256 \expandafter\@adadi\csname c@#1\endcsname%
3257 }
3258 \newcommand{\@adadi}[1]{%
3259 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3260 }
3261 \let\adadinumeral\@adadi%
3262 \def\xepersian@numberoutofrange#1#2{%
3263 \PackageError{xepersian}{The number `#1' is too large %
3264 to be formatted using xepersian}{The largest possible %
3265 number is 999,999,999.}%

```



```

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

```



```

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

```



```

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

```



```

3416 \def\xepersian@milyoongan@tartibi#1#2#3{%
3417 \ifnum#1#2#3=\@ne%
3418 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3419 %
3420 %
3421 \else%
3422 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3423 %
3424 %
3425 \fi%
3426 }
3427 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3428 \ifnum#1>\z@%
3429 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3430 %
3431 \ifnum#2#3>\z@\ \fi%
3432 \fi%
3433 \ifnum#2#3<20%
3434 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3435 \else%
3436 \ifnum#2#3=30%
3437 \xepersian@dahgan@tartibi#2%
3438 \else%
3439 \xepersian@dahgan#2%
3440 \fi%
3441 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3442 #60%
3443 \fi%
3444 }
3445 \def\xepersian@dahgan@tartibi#1{%
3446 \ifcase#1\or\or or\ or\ %
3447 \or or\ or\ or\ %
3448 \or %fi\
3449 }
3450 \def\xepersian@tartibi#1{%
3451 \ifcase#1\or or\ or\ or\ %
3452 \or or\ or\ or\ or\ %
3453 \or or\ or\ or\ %
3454 \or or\ or\ %
3455 \or or\ or\ %fi\
3456 }
3457 \def\xepersian@yekanv#1{%
3458 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3459 \or or\ or\ or\ or\ or\ %
3460 \or or\ or\ or\ %
3461 \or or\ %fi\
3462 }
3463 \providecommand*{\xpg@warning}[1]{%
3464 \PackageWarning{XePersian}%
3465 {#1}}

```




```

3466 \if@bidi@csundef{@abjad}{%
3467 \def\@abjad#1{%
3468 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3469 \else
3470 \ifnum#1<z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3471 \else
3472 \ifnum#1<10\expandafter\abj@num@i\number#1%
3473 \else
3474 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3475 \else
3476 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3477 \else
3478 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3479 \fi
3480 \fi
3481 \fi
3482 \fi
3483 \fi
3484 \fi
3485 }
3486 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3487 \let\abjadnumeral\@abjad
3488 \def\abjad@zero{}
3489 \def\abj@num@i#1{%
3490 \ifcase#1\or or\ or\ or\ %
3491 \or or\ or\ or\ or\ fi\
3492 \ifnum#1=z@\abjad@zero\fi}
3493 \def\abj@num@ii#1{%
3494 \ifcase#1\or or\ or\ or\ or\ %
3495 \or or\ or\ or\ fi\
3496 \ifnum#1=z@\fi\abj@num@i}
3497 \def\abj@num@iii#1{%
3498 \ifcase#1\or or\ or\ or\ or\ %
3499 \or or\ or\ or\ fi\
3500 \ifnum#1=z@\fi\abj@num@ii}
3501 \def\abj@num@iv#1{%
3502 \ifcase#1\or fi\
3503 \ifnum#1=z@\fi\abj@num@iii}
3504 }{}
3505 \let\@latinalph\@alph%
3506 \let\@latinAlph\@Alph%
3507 \def\LatinAlphs{%
3508 \let\@alph\@latinalph%
3509 \let\@Alph\@latinAlph%
3510 }
3511 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
3512 \renewcommand*{\bidi@thebibliography@font@hook}{%
3513 \if@LTRbibitems
3514 \resetlatinfont
3515 \fi}

```



```

3516 \bidi@AfterEndPreamble{%
3517 \if@bidi@csundef{persianfont}{%
3518 \PackageError{xepersian}{You have not specified any font\MessageBreak
3519 for the main Persian text}{Use '\settextfont' to load a font.}%
3520 }{}}
3521 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3522 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3523 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3524 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3525 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3526 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3527 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3528 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3529 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3530 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3531 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3532 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3533 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3534 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3535 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3536 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3537 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3538 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3539 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3540 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}
3541 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3542 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3543 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3544 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3545 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3546 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3547 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3548 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3549 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3550 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3551 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3552 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3553 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3554 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3555 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3556 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3557 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3558 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3559 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3560 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3561 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3562 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3563 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3564 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3565 \ifcase\xepersian@tempb\relax

```



```

3566 \AutoMathsDigits
3567 \or
3568 \DefaultMathsDigits
3569 \or
3570 \PersianMathsDigits
3571 \fi}
3572 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic}
3573 \ifcase\xepersian@tempb\relax
3574 \AutoInlineMathsDigits
3575 \or
3576 \DefaultInlineMathsDigits
3577 \or
3578 \PersianInlineMathsDigits
3579 \fi}
3580 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic}
3581 \ifcase\xepersian@tempb\relax
3582 \AutoDisplayMathsDigits
3583 \or
3584 \DefaultDisplayMathsDigits
3585 \or
3586 \PersianDisplayMathsDigits
3587 \fi}
3588 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3589 \ifcase\xepersian@tempb\relax
3590 \@RTLtrue
3591 \or
3592 \@RTLfalse
3593 \fi}
3594
3595 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3596 \ifcase\xepersian@tempb\relax
3597 \@RTLtrue
3598 \or
3599 \@RTLfalse
3600 \fi}
3601
3602
3603 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3604 \ifcase\xepersian@tempb\relax
3605 \@RTLtabtrue
3606 \or
3607 \@RTLtabfalse
3608 \fi}
3609
3610 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[latin]
3611 \ifcase\xepersian@tempb\relax
3612 \@nonlatinfalse
3613 \or
3614 \@nonlatintrue
3615 \fi}

```



```

3616
3617 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3618   \ifcase\xepersian@tempb\relax
3619     \RTLtrue
3620   \or
3621     \RTLfalse
3622   \fi}
3623 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left
3624   \ifcase\xepersian@tempb\relax
3625     \autofootnoterule
3626   \or
3627     \leftfootnoterule
3628   \or
3629     \rightfootnoterule
3630   \or
3631     \SplitFootnoteRule
3632   \or
3633     \textwidthfootnoterule
3634   \fi}
3635 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3636   \ifcase\xepersian@tempb\relax
3637     \RTL@footnotetrue
3638   \or
3639     \RTL@footnotefalse
3640   \fi}
3641 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3642   \ifcase\xepersian@tempb\relax
3643     \footdir@debugtrue
3644   \or
3645     \footdir@debugfalse
3646   \fi}
3647 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3648   \ifcase\xepersian@tempb\relax
3649     \input{kashida-xepersian.def}
3650   \fi}
3651 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3652   \ifcase\xepersian@tempb\relax
3653     \input{localise-xepersian.def}
3654   \fi}
3655 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,o
3656   \ifcase\xepersian@tempb\relax
3657     \@extrafootnotefeaturestrue
3658   \or
3659     \@extrafootnotefeaturesfalse
3660   \fi}
3661 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3662   \ifcase\xepersian@tempb\relax
3663     \PackageWarning{xepersian}{Obsolete option}%
3664     \ifwritexviii%
3665       \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th

```



```

3666 \renewcommand\printindex{\newpage%
3667 \immediate\closeout\@indexfile
3668 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3669 \@input@{\jobname.ind}}}%
3670 \else
3671 \PackageError{xepersian}{“shell escape” (or “write18”) is not enabled. You need to run “
3672 \fi
3673 \fi}
3674 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
3675 \ifcase\xepersian@tempb\relax
3676 \ifwritexviii%
3677 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3678 \renewcommand\printindex{\newpage%
3679 \immediate\closeout\@indexfile
3680 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3681 \@input@{\jobname.ind}}}%
3682 \else
3683 \PackageError{xepersian}{“shell escape” (or “write18”) is not enabled. You need to run
3684 \fi
3685 \fi}
3686 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3687 \ifcase\xepersian@tempb\relax
3688 \ifwritexviii%
3689 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3690 \renewcommand\printindex{\newpage%
3691 \immediate\closeout\@indexfile
3692 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3693 \@input@{\jobname.ind}}}%
3694 \else
3695 \PackageError{xepersian}{“shell escape” (or “write18”) is not enabled. You need to run
3696 \fi
3697 \fi}
3698 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3699 \ifcase\xepersian@tempb\relax
3700 \def\PersianAlphs{%
3701 \let\@alph\@abjad%
3702 \let\@Alph\@abjad%
3703 }
3704 \or
3705 \def\PersianAlphs{%
3706 \let\@alph\@Abjad%
3707 \let\@Alph\@Abjad%
3708 }
3709 \fi}
3710 \DeclareOptionX{defaultlatinfontfeatures}{%
3711 \defaultfontfeatures
3712 [\latinfont]
3713 {#1}
3714 }
3715

```



```

3716 \DeclareOptionX{mathfontsizescale}{%
3717   \def\xepersian@@math@fontsize@scale{#1}%
3718 }
3719
3720 \DeclareOptionX{fontsizescale}{%
3721   \def\xepersian@@fontsize@scale{#1}%
3722 }
3723
3724 \DeclareOptionX{fontsize}{%
3725   \setfontsize{#1}%
3726 }
3727
3728 \DeclareOptionX{latinfontsizescale}{%
3729   \def\xepersian@@latin@fontsize@scale{#1}%
3730 }
3731
3732 \DeclareOptionX{baselineskipscale}{%
3733   \def\xepersian@@baselineskip@scale{#1}%
3734 }
3735
3736 \DeclareOptionX{latinbaselineskipscale}{%
3737   \def\xepersian@@latin@baselineskip@scale{#1}%
3738 }
3739
3740 \define@choicekey{xepersian.sty}{computeautoilg}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]{on}
3741   \ifcase\xepersian@tempb\relax
3742     \@xepersian@@computeautoilgtrue
3743   \or
3744     \@xepersian@@computeautoilgfalse
3745   \fi}
3746
3747 \define@choicekey{xepersian.sty}{DetectColumn}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]{on}
3748   \ifcase\xepersian@tempb\relax
3749     \def\bidi@firstcolumn@status@write{%
3750       \protected@write\@auxout{}%
3751         {\string\bidi@column@status
3752          {1}}}%
3753     \def\bidi@lastcolumn@status@write{%
3754       \protected@write\@auxout{}%
3755         {\string\bidi@column@status{2}}}%
3756   \or
3757     \let\bidi@firstcolumn@status@write\relax
3758     \let\bidi@lastcolumn@status@write\relax
3759   \fi}
3760
3761
3762 \ExecuteOptionsX{%
3763   documentdirection=righttoleft,
3764   tabledirection=righttoleft,
3765   script=nonlatin,

```



```

3766 footnotedirection=righttoleft,
3767 footnoterule=automatic,
3768 abjadvariant=two,
3769 DetectColumn=off,
3770 fontsizescale=\@ne,
3771 latinfontsizescale=\@ne,
3772 mathfontsizescale=\@ne,
3773 baselineskip scale=\@ne,
3774 latinbaselineskip scale=\@ne
3775 }
3776
3777 \ProcessOptionsX
3778
3779 \if@extrafootnote features
3780 \input{extrafootnote features-xetex-bidi.def}
3781 \input{extrafootnote features-xepersian.def}
3782 \fi
3783
3784 \bidi@patchcmd{\set@font size}{\@tempdimb#2pt}{%
3785 \@tempdimb\xepersian@@font size@scale\dimexpr#2pt\relax
3786 }{}{}
3787
3788 \bidi@patchcmd{\set@font size}{\@tempskipa#3pt}{%
3789 \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
3790 }{}{}
3791
3792
3793 \newcommand*{\xepersian@@update@math@font size}[1]{%
3794 \strip@pt\dimexpr\xepersian@@math@font size@scale
3795 \dimexpr 1pt * \dimexpr #1 pt\relax /
3796 \dimexpr \xepersian@@font size@scale pt\relax
3797 \relax\relax
3798 }
3799
3800 \bidi@patchcmd{\getanddefine@font s}{%
3801 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3802 }{%
3803 \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\tf@size\endcsname}%
3804 }{}{}
3805
3806 \bidi@patchcmd{\getanddefine@font s}{%
3807 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3808 }{%
3809 \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\sf@size\endcsname}%
3810 }{}{}
3811
3812 \bidi@patchcmd{\getanddefine@font s}{%
3813 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3814 }{%
3815 \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\ssf@size\endcsname}%

```



```

3816 }{}{}
3817
3818
3819 \if@xepersian@@computeautoilg
3820 \bidi@patchcmd{\set@fontsize}{%
3821 \baselineskip\f@baselineskip\relax
3822 }{%
3823 \baselineskip\f@baselineskip\relax
3824 \xepersian@computeautoilg
3825 \ifdim\xepersian@strutilg>\baselineskip
3826 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
3827 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3828 \baselineskip\xepersian@strutilg
3829 \ifdim\footnotesep=.7\baselineskip
3830 \else
3831 \footnotesep.7\baselineskip
3832 \fi
3833 \fi
3834 }{}{}
3835 \fi
3836
3837 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3838 \PersianAlphs

```

7.57 xepersian-magazine.cls

```

3839 \NeedsTeXFormat{LaTeX2e}
3840 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3841 \RequirePackage{ifthen}
3842 \newlength{\xepersian@imgsize}
3843 \newlength{\xepersian@coltitsize}
3844 \newlength{\xepersian@pageneed}
3845 \newlength{\xepersian@pageleft}
3846 \newlength{\xepersian@indexwidth}
3847 \newcommand{\xepersian@ncolumns}{0}
3848 \newlength{\columnlines}
3849 \setlength{\columnlines}{0 pt} % no lines by default
3850 \newboolean{xepersian@hyphenatedtitles}
3851 \setboolean{xepersian@hyphenatedtitles}{true}
3852 \newboolean{xepersian@ninepoints}
3853 \setboolean{xepersian@ninepoints}{false}
3854 \newboolean{xepersian@showgrid}
3855 \setboolean{xepersian@showgrid}{false}
3856 \newboolean{xepersian@a3paper}
3857 \setboolean{xepersian@a3paper}{false}
3858 \newboolean{xepersian@insidefrontpage}
3859 \setboolean{xepersian@insidefrontpage}{false}
3860 \newboolean{xepersian@insideweather}
3861 \setboolean{xepersian@insideweather}{false}
3862 \newboolean{xepersian@insideindex}

```




```

3863 \setboolean{xepersian@insideindex}{false}
3864 \newcount\xepersian@gridrows
3865 \newcount\xepersian@gridcolumns
3866 \xepersian@gridrows=40
3867 \xepersian@gridcolumns=50
3868 \newcount\minraggedcols
3869 \minraggedcols=5
3870 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3871 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3872 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3873 \DeclareOption{twocolumn}%
3874 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3875 \DeclareOption{notitlepage}%
3876 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3877 \DeclareOption{twoside}%
3878 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3879 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3880 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3881 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3882 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3883 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3884 \ProcessOptions\relax
3885 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3886 \RequirePackage{ifxetex}
3887 \RequirePackage{multido}
3888 \RequirePackage{datetime}
3889 \RequirePackage{multicol}
3890 \RequirePackage{fancyhdr}
3891 \RequirePackage{fancybox}
3892 \ifthenelse{\boolean{xepersian@a3paper}}{%
3893 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3894 }{
3895 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3896 }
3897 \RequirePackage[absolute]{textpos} % absolute positioning
3898 \RequirePackage{hyphenat} % when hyphenate
3899 \RequirePackage{lastpage} % to know the last page number
3900 \RequirePackage{setspace} % set space between lines
3901 \RequirePackage{ragged2e}
3902 \newcommand{\raggedFormat}{\RaggedLeft}
3903 \AtEndOfClass{\xepersian@init}
3904 \ifthenelse{\boolean{xepersian@showgrid}}{%
3905 \AtBeginDocument{
3906 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3907 \advance\minraggedcols by -1
3908 }{%
3909 \AtBeginDocument{
3910 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3911 \advance\minraggedcols by -1
3912 }

```



```

3913 \ifthenelse{\boolean{xepersian@ninepoints}}{
3914 \renewcommand{\normalsize}{%
3915   \@setfontsize{\normalsize}{9pt}{10pt}%
3916   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3917   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3918   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3919   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3920
3921 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3922
3923 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3924
3925 \renewcommand{\small}{%
3926   \@setfontsize{\small}{8pt}{9pt}%
3927   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3928   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3929   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3930   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3931
3932 \renewcommand{\footnotesize}{%
3933   \@setfontsize{\footnotesize}{8pt}{9pt}%
3934   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3935   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3936   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3937   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3938
3939 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3940 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3941 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3942 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3943 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3944 {}
3945 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3946 \newcommand{\xepersian@wwwFormat}{\sffamily}
3947 \newcommand{\xepersian@www}{%
3948 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3949 }
3950 \newcommand{\xepersian@edition}{
3951 \newcommand{\editionFormat}{\large\bfseries\texttt}
3952 \newcommand{\xepersian@editionLogo}{%
3953 \raisebox{-3pt}{%
3954 {\editionFormat\xepersian@edition}%
3955 }%
3956 }
3957 \newcommand{\indexFormat}{\large\bfseries}
3958 \newcommand{\xepersian@indexFrameTitle}[1]
3959 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3960
3961 \newcommand{\indexEntryFormat}{\normalsize}
3962 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%

```



```

3963 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3964 \end{minipage}}
3965 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3966 \newcommand{\indexEntryPageTxt}{ }
3967 \newcommand{\indexEntryPageFormat}{\footnotesize}
3968 \newcommand{\xepersian@indexEntryPage}[1]{%
3969 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3970 }
3971 \newcommand{\headDateTimeFormat}{}
3972 \newcommand{\xepersian@headDateTime}{%
3973 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3974 \currenttime %
3975 }
3976 \newcommand{\weatherFormat}{\bfseries}
3977 \newcommand{\xepersian@weather}[1]{%
3978 \noindent{\weatherFormat #1}%
3979 }
3980 \newcommand{\weatherTempFormat}{\small}
3981 \newcommand{\weatherUnits}{\textdegree{C}}
3982 \newcommand{\xepersian@section}[0]{ {
3983 \newcommand{\xepersian@headleft}{%
3984 {\small\bfseries \@custommagaziname} \date
3985 }
3986 \newcommand{\xepersian@headcenter}{%
3987 \xepersian@section{}
3988 }
3989 \newcommand{\xepersian@headright}{%
3990 \small\xepersian@edition%
3991 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3992 }
3993
3994 \newcommand{\heading}[3]{%
3995 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3996 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3997 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3998 }
3999 \newcommand{\xepersian@footright}{%
4000 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4001 }
4002 \newcommand{\xepersian@footcenter}{%
4003 }
4004 \newcommand{\xepersian@footleft}{%
4005 }
4006
4007 \newcommand{\foot}[3]{%
4008 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4009 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4010 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4011 }
4012 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}

```



```

4013 \newcommand{\xepersian@firstTitle}[1]{%
4014 {%
4015 \begin{spacing}{2.0}{%
4016 \noindent\ignorespaces
4017 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4018 {\nohyphens{\firstTitleFormat #1}}%
4019 {\firstTitleFormat #1}}%
4020 }%
4021 \end{spacing}%
4022 }%
4023 }
4024 \newcommand{\firstTextFormat}{}
4025 \newcommand{\xepersian@firstText}[1]{%
4026 \noindent\ignorespaces\firstTextFormat #1}%
4027 }
4028 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4029 \newcommand{\xepersian@secondTitle}[1]{%
4030 \begin{spacing}{1.5}{%
4031 \noindent\ignorespaces\flushright
4032 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4033 {\nohyphens{\secondTitleFormat #1}}%
4034 {\secondTitleFormat #1}}%
4035 \end{spacing}%
4036 }
4037 \newcommand{\secondSubtitleFormat}{\large}
4038 \newcommand{\xepersian@secondSubtitle}[1]{%
4039 \noindent\ignorespaces{\secondSubtitleFormat #1}}%
4040 }
4041 \newcommand{\secondTextFormat}{}
4042 \newcommand{\xepersian@secondText}[1]{%
4043 \begin{multicols}{2}
4044 {\noindent\ignorespaces\secondTextFormat #1}
4045 \end{multicols}
4046 }
4047 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4048 \newcommand{\xepersian@thirdTitle}[1]{%
4049 \begin{spacing}{1.5}{%
4050 \noindent\ignorespaces\flushright
4051 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4052 {\nohyphens{\thirdTitleFormat #1}}%
4053 {\thirdTitleFormat #1}}%
4054 \end{spacing}%
4055 }
4056 \newcommand{\thirdSubtitleFormat}{\large}
4057 \newcommand{\xepersian@thirdSubtitle}[1]{%
4058 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4059 \newcommand{\thirdTextFormat}{}
4060 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4061 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4062 \newcommand{\xepersian@pictureCaption}[1]{%

```



```

4063 {\noindent\pictureCaptionFormat #1}%
4064 }
4065 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4066 \newcommand{\xepersian@pages}[1]%
4067 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4068 \newcommand{\innerTitleFormat}{\Huge}
4069 \newcommand{\xepersian@innerTitle}[1]{%
4070 \begin{flushright}{%
4071 \noindent
4072 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4073 {\nohyphens{\innerTitleFormat #1}}%
4074 {\{\innerTitleFormat #1}}%
4075 }%
4076 \\\%
4077 \end{flushright}}%
4078 }
4079 \newcommand{\innerSubtitleFormat}{\large}
4080 \newcommand{\xepersian@innerSubtitle}[1]{\{\innerSubtitleFormat #1}}
4081 \newcommand{\timestampTxt}{\}
4082 \newcommand{\timestampSeparator}{\|}
4083 \newcommand{\timestampFormat}{\small}
4084 \newcommand{\timestamp}[1]{%
4085 {\timestampFormat%
4086 #1~\timestampTxt}%
4087 }~\timestampSeparator}%
4088 }
4089 \newcommand{\innerAuthorFormat}{\footnotesize}
4090 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4091 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4092 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4093 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4094 \newcommand{\editorialAuthorFormat}{\textsc}
4095 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4096 \newcommand{\xepersian@shortarticleTitle}[1]{\{\shortarticleTitleFormat #1}}
4097 \newcommand{\shortarticleSubtitleFormat}{\Large}
4098 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1}}
4099 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4100 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1}}
4101 \renewcommand{\maketitle}{\begin{titlepage}%
4102 \let\footnotesize\small
4103 \let\footnoterule\relax
4104 \let\footnote\thanks
4105 \null\vfil
4106 \vskip 60\p@
4107 \begin{center}%
4108 {\LARGE \@title \par}%
4109 \vskip 1em%
4110 {\LARGE «\xepersian@edition» \par}%
4111 \vskip 3em%
4112 {\large

```



```

4113 \lineskip .75em%
4114 \begin{tabular}[t]{c}%
4115 \@author
4116 \end{tabular}\par}%
4117 \vskip 1.5em%
4118 {\large \@date \par}%
4119 \end{center}\par
4120 \@thanks
4121 \vfil\null
4122 \end{titlepage}%
4123 \setcounter{footnote}{0}%
4124 \global\let\thanks\relax
4125 \global\let\maketitle\relax
4126 \global\let\@thanks\@empty
4127 \global\let\@author\@empty
4128 \global\let\@date\@empty
4129 \global\let\@title\@empty
4130 \global\let\title\relax
4131 \global\let\author\relax
4132 \global\let\date\relax
4133 \global\let\and\relax
4134 }
4135 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4136 \newsavebox{\xepersian@fmbox}
4137 \newenvironment{xepersian@fmpage}[1]
4138 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4139 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4140 \newcommand{\image}[2]{
4141 \vspace{5pt}
4142 \setlength{\fboxsep}{1pt}
4143 \addtolength{\xepersian@imgsize}{\columnwidth}
4144 \addtolength{\xepersian@imgsize}{-1\columnsep}
4145 \ifxetex
4146 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4147 \addtolength{\xepersian@pageneed}{50pt}
4148 \ClassWarning{xepersian-magazine}{%
4149 Image #1 needs: \the\xepersian@pageneed \space %
4150 and there is left: \the\page@free\space%
4151 }
4152 \ifdim \xepersian@pageneed < \page@free
4153
4154 {\centering\fbox{%
4155 \includegraphics[width = \xepersian@imgsize,
4156 height = \xepersian@imgsize,
4157 keepaspectratio ]{#1}}}
4158 \xepersian@pictureCaption{#2}
4159
4160 \vspace{5pt}
4161 \else
4162 \ClassWarning{Image #1 needs more space!%

```



```

4163 It was not inserted!}
4164 \fi
4165 \fi
4166 }
4167 \textblockorigin{1cm}{1cm}
4168 \newdimen\xepersian@dx
4169 \newdimen\xepersian@dy
4170 \newcount\xepersian@cx
4171 \newcount\xepersian@cy
4172 \newcommand{\grid}[3][ ]{
4173 \xepersian@dx=\textwidth%
4174 \xepersian@dy=\textheight%
4175 \xepersian@cx=#3% %columns
4176 \xepersian@cy=#2% %rows
4177
4178 \count1=#3%
4179 \advance\count1 by 1
4180
4181 \count2=#2%
4182 \advance\count2 by 1
4183
4184 \divide\xepersian@dx by #3
4185 \divide\xepersian@dy by #2
4186
4187 \setlength{\TPHorizModule}{\xepersian@dx}
4188 \setlength{\TPVertModule}{\xepersian@dy}
4189
4190 \ifthenelse{\equal{#1}{show}}{
4191 \multido{\xepersian@nrow=0+1}{\count2}{
4192 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4193 \rule[0pt]{\textwidth}{.1pt}
4194 \end{textblock}
4195 }
4196
4197 \multido{\xepersian@ncol=0+1}{\count1}{
4198 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4199 \rule[0pt]{.1pt}{\textheight}
4200 \end{textblock}
4201 }
4202 }{}
4203 }
4204 \newcommand{\xepersianInit}{
4205 \setlength{\headheight}{14pt}
4206 \renewcommand{\headrulewidth}{0.4pt}
4207
4208 \pagestyle{fancy}
4209
4210 \setlength{\columnseprule}{\columnlines}
4211 \setlength{\fboxrule}{0.1 pt}
4212

```



```

4213 }
4214
4215 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4216 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4217 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4218 \newcommand{\logo}[0]{
4219 %% Heading %%
4220 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4221
4222 \vspace*{-3pt}
4223
4224 {\Large\bfseries \@customlogo}
4225 \hrulefill
4226 \hspace{10pt}\xepersian@headDateTime
4227
4228 }
4229 \newcommand{\minilogo}[0]{
4230 {\large\bfseries \@customminilogo}
4231
4232 \vspace*{5pt}
4233 }
4234 \newcommand{\mylogo}[1]{
4235 {\beginR#1\endR}
4236
4237 \noindent
4238 \xepersian@editionLogo\hspace{5pt}
4239 \hrulefill
4240 \hspace{5pt}\xepersian@headDateTime
4241 }
4242 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4243 \newenvironment{frontpage}[0]
4244 {
4245 \setboolean{xepersian@insidefrontpage}{true}
4246 \thispagestyle{empty}
4247 \logo
4248
4249 }%
4250 {
4251 \thispagestyle{empty}
4252 \clearpage
4253 \newpage
4254 \fancyhead{}
4255 \fancyfoot{}
4256 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4257 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4258 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4259 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4260 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4261 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4262 \renewcommand{\headrulewidth}{0.4pt}

```




```

4263 \setboolean{xepersian@insidefrontpage}{false}
4264
4265 }
4266 \newcommand{\firstarticle}[3]
4267 {
4268 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4269 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4270 \begin{textblock}{24}(22,5)
4271 }
4272 {
4273 \begin{textblock}{28}(22,5)
4274 }
4275 \vspace{-7pt}
4276 \xepersian@firstTitle{#1}
4277 \end{textblock}
4278 \begin{textblock}{29}(22,10)
4279 \vspace{5pt plus 2pt minus 2pt}
4280
4281 \xepersian@firstText{\timestamp{#3}~#2}
4282
4283 \end{textblock}
4284
4285 \begin{textblock}{50}(0,15)
4286 \rule{50\TPHorizModule}{.3pt}
4287 \end{textblock}
4288 }{%else
4289 \ClassError{xepersian-magazine}{%
4290 \protect\firstarticle\space in a wrong place.\MessageBreak
4291 \protect\firstarticle\space may only appear inside frontpage environment.
4292 }{%
4293 \protect\firstarticle\space may only appear inside frontpage environment.
4294 }%
4295 }
4296 }
4297 \newcommand{\secondarticle}[5]
4298 {
4299 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4300 \begin{textblock}{33}(2,16)
4301 \xepersian@pages{#4}
4302 \vspace{-5pt}
4303 \xepersian@secondTitle{#1}
4304
4305 \vspace*{5pt}
4306
4307 \xepersian@secondSubtitle{#2}
4308
4309 \vspace*{-7pt}
4310
4311 \xepersian@secondText{\timestamp{#5}~#3}
4312

```



```

4313 \end{textblock}
4314
4315 \begin{textblock}{33}(2,25)
4316 \vspace{5pt plus 2pt minus 2pt}
4317
4318 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4319 \end{textblock}
4320 }{%else
4321 \ClassError{xepersian-magazine}{%
4322 \protect\secondarticle\space in a wrong place.\MessageBreak
4323 \protect\secondarticle\space may only appear inside frontpage environment.
4324 }{%
4325 \protect\secondarticle\space may only appear inside frontpage environment.
4326 }%
4327 }
4328 }
4329 \newcommand{\thirdarticle}[6]
4330 {
4331 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4332 \begin{textblock}{32}(2,26)
4333 \xepersian@pages{#5}
4334 \vspace{-5pt}
4335 \setlength{\fboxsep}{1pt}
4336 \xepersian@thirdTitle{#1}
4337
4338 \vspace*{5pt}
4339
4340 \xepersian@thirdSubtitle{#2}
4341
4342 \vspace*{5pt}
4343
4344 {\noindent\ignorespaces %
4345 \ifthenelse{\equal{#4}{}}{}
4346
4347 \xepersian@thirdText{\timestamp{#6}~#3}
4348
4349 }
4350
4351 \vspace*{5pt}
4352
4353 \end{textblock}
4354 }{%else
4355 \ClassError{xepersian-magazine}{%
4356 \protect\thirdarticle\space in a wrong place.\MessageBreak
4357 \protect\thirdarticle\space may only appear inside frontpage environment.
4358 }{%
4359 \protect\thirdarticle\space may only appear inside frontpage environment.
4360 }%
4361 }
4362 }

```



```

4363 \newcommand{\firstimage}[2]
4364 {
4365 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4366 \begin{textblock}{18}(2,5)
4367 \setlength{\fboxsep}{1pt}
4368 \ifxetex % only in PDF
4369 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4370 \fi
4371
4372 \xepersian@pictureCaption{#2}
4373 \end{textblock}%
4374 }
4375 {\ClassError{xepersian-magazine}{%
4376 \protect\firstimage\space in a wrong place.\MessageBreak
4377 \protect\firstimage\space may only appear inside frontpage environment.
4378 }{%
4379 \protect\firstimage\space may only appear inside frontpage environment.
4380 }}
4381 }%
4382 \newcommand{\weatheritem}[5]{%
4383 \ifthenelse{\boolean{xepersian@insideweather}}{
4384 \begin{minipage}{45pt}
4385 \ifxetex
4386 \includegraphics[width=40pt]{#1}
4387 \fi
4388 \end{minipage}
4389 \begin{minipage}{50pt}
4390 \weatherTempFormat
4391 #2\\
4392 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4393 #5
4394 \end{minipage}
4395 }{%else
4396 \ClassError{xepersian-magazine}{%
4397 \protect\weatheritem\space in a wrong place.\MessageBreak
4398 \protect\weatheritem\space may only appear inside weatherblock environment.
4399 }{%
4400 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4401 weatherblock environment may only appear inside frontpage environment.
4402 }%
4403 }
4404 }
4405 \newenvironment{weatherblock}[1]
4406 {
4407 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4408 \setboolean{xepersian@insideweather}{true}
4409 \begin{textblock}{32}(2,38)
4410 \vspace*{-15pt}
4411
4412 \xepersian@weather{\beginR#1\endR}

```



```

4413
4414 \vspace*{5pt}
4415
4416 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4417 \begin{minipage}{32\TPHorizModule}
4418 \hspace{5pt}
4419
4420 }{%
4421 \ClassError{xepersian-magazine}{%
4422 weatherblock in a wrong place.\MessageBreak
4423 weatherblock may only appear inside frontpage environment.
4424 }{%
4425 weatherblock may only appear inside frontpage environment.
4426 }
4427 }
4428 }%
4429 {
4430 \end{minipage}
4431 \end{xepersian@fmpage}
4432 \end{textblock}
4433 \setboolean{xepersian@insideweather}{false}
4434 }
4435 \newenvironment{authorblock}[0]
4436 {
4437 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4438 \begin{textblock}{15}(36,35)
4439 \setlength{\fboxsep}{5pt}
4440 \begin{xepersian@fmpage}{13\TPHorizModule}
4441 \begin{minipage}{13\TPHorizModule}
4442 \centering
4443 \minilogo
4444
4445 }{%else
4446 \ClassError{xepersian-magazine}{%
4447 authorblock in a wrong place.\MessageBreak
4448 authorblock may only appear inside frontpage environment.
4449 }{%
4450 authorblock may only appear inside frontpage environment.
4451 }
4452 }
4453 }
4454 {
4455 \end{minipage}
4456 \end{xepersian@fmpage}
4457 \end{textblock}
4458 }
4459 \newenvironment{indexblock}[1]
4460 {
4461 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4462 \setboolean{xepersian@insideindex}{true}%let's in

```



```

4463 \begin{textblock}{15}(36,16)
4464 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4465 \xepersian@indexFrameTitle{#1}
4466
4467 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4468 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4469 \begin{minipage}{\xepersian@indexwidth}
4470 \vspace*{10pt}
4471 }{%else
4472 \ClassError{xepersian-magazine}{%
4473 indexblock in a wrong place.\MessageBreak
4474 indexblock may only appear inside frontpage environment.
4475 }{%
4476 indexblock may only appear inside frontpage environment.
4477 }
4478 }
4479 }%
4480 {
4481 \end{minipage}
4482 \end{xepersian@fmpage}
4483 \end{textblock}
4484 \setboolean{xepersian@insideindex}{false}%let's out
4485 }
4486 \newcommand{\indexitem}[2]
4487 {
4488 \ifthenelse{\boolean{xepersian@insideindex}}{
4489 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4490
4491 \vspace{0.5cm}
4492
4493 \noindent\ignorespaces\indexEntrySeparator{}
4494 }{%else
4495 \ClassError{xepersian-magazine}{%
4496 \protect\indexitem\space in a wrong place.\MessageBreak
4497 \protect\indexitem\space may only appear inside indexblock environment.
4498 }{%
4499 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4500 indexblock environment may only appear inside frontpage environment.
4501 }%
4502 }
4503 }
4504 \newcommand{\xepersian@inexpandedtitle}[1]{
4505 \begin{minipage}{.95\textwidth}
4506 \begin{center}
4507 \noindent\Large\textbf{\beginR#1\endR}
4508 \end{center}
4509 \end{minipage}
4510 }
4511 \newcommand{\expandedtitle}[2]{
4512 \end{multicols}

```



```

4513
4514 \begin{center}
4515 \setlength{\fboxsep}{5pt}
4516 \setlength{\shadowsize}{2pt}
4517 \ifthenelse{\equal{#1}{shadowbox}}{%
4518 \shadowbox{%
4519 \xepersian@inexpandedtitle{#2}%
4520 }%
4521 }{}
4522 \ifthenelse{\equal{#1}{doublebox}}{%
4523 \doublebox{%
4524 \xepersian@inexpandedtitle{#2}%
4525 }%
4526 }{}
4527 \ifthenelse{\equal{#1}{ovalbox}}{%
4528 \ovalbox{%
4529 \xepersian@inexpandedtitle{#2}%
4530 }%
4531 }{}
4532 \ifthenelse{\equal{#1}{ovalbox}}{%
4533 \Ovalbox{%
4534 \xepersian@inexpandedtitle{#2}%
4535 }%
4536 }{}
4537 \ifthenelse{\equal{#1}{lines}}{
4538 \hrule
4539 \vspace*{8pt}
4540 \begin{center}
4541 \noindent\Large\textbf{#2}
4542 \end{center}
4543 \vspace*{8pt}
4544 \hrule
4545 }{}
4546 \end{center}
4547
4548 \begin{multicols}{\xepersian@ncolumns}}
4549 \ifnum \xepersian@ncolumns > \minraggedcols
4550 \raggedFormat
4551 \fi
4552 }
4553 \newcommand{\xepersian@incolumntitle}[2]{
4554 \begin{minipage}{#1}
4555 \begin{center}
4556 \noindent\normalsize\textbf{#2}
4557 \end{center}
4558 \end{minipage}
4559 }
4560
4561 \newcommand{\columnntitle}[2]{
4562 \vspace*{5pt}

```



```

4563 \begin{center}
4564 \setlength{\fboxsep}{5pt}
4565 \setlength{\shadowsize}{2pt}
4566 \addtolength{\xepersian@coltitsize}{\columnwidth}
4567 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4568 \addtolength{\xepersian@coltitsize}{-5pt}
4569 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4570 \ifthenelse{\equal{#1}{shadowbox}}{%
4571 \shadowbox{%
4572 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4573 }%
4574 }{}
4575 \ifthenelse{\equal{#1}{doublebox}}{%
4576 \doublebox{%
4577 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4578 }%
4579 }{}
4580 \ifthenelse{\equal{#1}{ovalbox}}{%
4581 \ovalbox{%
4582 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4583 }%
4584 }{}
4585 \ifthenelse{\equal{#1}{ovalbox}}{%
4586 \ovalbox{%
4587 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4588 }%
4589 }{}
4590 \ifthenelse{\equal{#1}{lines}}{
4591 \hrule
4592 \vspace*{5pt}
4593 \begin{center}
4594 \noindent\normalsize\textbf{#2}
4595 \end{center}
4596 \vspace*{5pt}
4597 \hrule
4598 }{}
4599 \end{center}
4600 }
4601 \renewcommand{\date}{%
4602 \longdate{\today}%
4603 }
4604 \newcommand{\authorandplace}[2]{%
4605 \rightline{%
4606 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4607 }%
4608 \par %
4609 }
4610 \newcommand{\newsection}[1]{
4611 \renewcommand{\xepersian@section}{#1}
4612 }

```



```

4613 \newenvironment{article}[5]
4614 {
4615 \xepersian@say{Adding a new piece of article}
4616 \renewcommand{\xepersian@ncolumns}{#1}
4617 \begin{multicols}{#1}[
4618 \xepersian@pages{#4}
4619 \xepersian@innerTitle{#2}%
4620 \xepersian@innerSubtitle{#3}%
4621 ] [4cm]%
4622 \label{#5}
4623 \ifnum #1 > \minraggedcols
4624 \raggedFormat
4625 \fi
4626 }
4627 {\sim\innerTextFinalMark{}
4628 \end{multicols}
4629 }
4630 \newcommand{\articlesep}{%
4631 \setlength{\xepersian@pageneed}{16000pt}
4632 \setlength\xepersian@pageleft{\pagegoal}
4633 \addtolength\xepersian@pageleft{-\pagetotal}
4634
4635 \xepersian@say{How much left \the\xepersian@pageleft}
4636
4637 \ifdim \xepersian@pageneed < \xepersian@pageleft
4638 \xepersian@say{Not enough space}
4639 \else
4640 \xepersian@say{Adding sep line between articles}
4641 \vspace*{10pt plus 10pt minus 5pt}
4642 \hrule
4643 \vspace*{10pt plus 5pt minus 5pt}
4644 \fi
4645
4646 }
4647 \newcommand{\xepersian@editorialTit}[2]{
4648 \setlength{\arrayrulewidth}{.1pt}
4649 \begin{center}
4650 \begin{tabular}{c}
4651 \noindent
4652 \xepersian@editorialTitle{#1}
4653 \vspace{2pt plus 1pt minus 1pt}
4654 \\
4655 \hline
4656 \vspace{2pt plus 1pt minus 1pt}
4657 \\
4658 \editorialAuthorFormat{#2}
4659 \end{tabular}
4660 \end{center}
4661 }
4662 \newenvironment{editorial}[4]

```




```

4663 {
4664 \xepersian@say{Adding a new editorial}
4665 \begin{multicols}{#1}[%
4666 \xepersian@editorialTit{#2}{#3}%
4667 ] [4cm]
4668 \label{#4}
4669 \ifnum #1 > \minraggedcols
4670 \raggedFormat
4671 \fi
4672 }
4673 {
4674 \end{multicols}
4675 }
4676 \newcommand{\xepersian@shortarticleTit}[2]{
4677 \begin{center}
4678 \vbox{%
4679 \noindent
4680 \xepersian@shortarticleTitle{#1}
4681 \vspace{4pt plus 2pt minus 2pt}
4682 \hrule
4683 \vspace{4pt plus 2pt minus 2pt}
4684 \xepersian@shortarticleSubtitle{#2}
4685 }
4686 \end{center}
4687 }
4688 \newenvironment{shortarticle}[4]
4689 {
4690 \xepersian@say{Adding a short article block}
4691 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4692 \label{#4}
4693 \par %
4694 \ifnum #1 > \minraggedcols
4695 \raggedFormat
4696 \fi
4697 }
4698 {
4699 \end{multicols}
4700 }
4701 \newcommand{\shortarticleitem}[2]{
4702 \goodbreak
4703 \vspace{5pt plus 3pt minus 3pt}
4704 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4705 \vspace{5pt plus 3pt minus 3pt}
4706 {\noindent #2}\
4707 }

```

7.58 xepersian-mathsdigitspec.sty

```

4708 \NeedsTeXFormat{LaTeX2e}
4709 \ProvidesPackage{xepersian-mathsdigitspec}

```



```

4710 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4711 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4712 \let\newfam\new@mathgroup
4713 \def\select@group#1#2#3#4{%
4714 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4715 {%
4716 \ifmmode
4717 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4718 \begingroup
4719 \escapechar\m@ne
4720 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4721 \globaldefs\@ne \math@fonts
4722 \endgroup
4723 \init@restore@version
4724 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4725 {\number\csname c@mv@\math@version\endcsname}}}%
4726 \global\advance\csname c@mv@\math@version\endcsname\@ne
4727 \else
4728 \let#1\relax
4729 \@latex@error{Too many math alphabets used in
4730 version \math@version}%
4731 \@eha
4732 \fi
4733 \else \expandafter\non@alpherr\fi
4734 #1{#4}%
4735 }%
4736 }
4737 \def\document@select@group#1#2#3#4{%
4738 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4739 {%
4740 \ifmmode
4741 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4742 \begingroup
4743 \escapechar\m@ne
4744 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4745 \globaldefs\@ne \math@fonts
4746 \endgroup
4747 \expandafter\extract@alph@from@version
4748 \csname mv@\math@version\expandafter\endcsname
4749 \expandafter{\number\csname
4750 c@mv@\math@version\endcsname}%
4751 #1%
4752 \global\advance\csname c@mv@\math@version\endcsname\@ne
4753 \else
4754 \let#1\relax
4755 \@latex@error{Too many math alphabets used
4756 in version \math@version}%
4757 \@eha
4758 \fi
4759 \else \expandafter\non@alpherr\fi

```



```

4760 #1{#4}%
4761 }%
4762 }
4763 \ExplSyntaxOn
4764 \bool_set_false:N \g__fontspec_math_bool
4765 \tl_map_inline:nn
4766 {
4767   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4768   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4769   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4770   \version@list\version@elt\alpha@list\alpha@elt
4771   \restore@mathversion\init@restore@version\dorestore@version\process@table
4772   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4773   \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4774   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4775   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4776   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4777   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4778   \set@@mathdelimiter\DeclareMathRadical\mathchar@type
4779   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4780 }
4781 {
4782   \tl_remove_once:Nn \@preamblecmds {\do#1}
4783 }
4784 \ExplSyntaxOff
4785 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4786 \newcommand\SetMathCode[4]{%
4787   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4788 \newcommand\SetMathCharDef[4]{%
4789   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4790 \ExplSyntaxOn
4791 \cs_new_eq:NN \orig_mathbf:n \mathbf
4792 \cs_new_eq:NN \orig_mathit:n \mathit
4793 \cs_new_eq:NN \orig_mathrm:n \mathrm
4794 \cs_new_eq:NN \orig_mathsf:n \mathsf
4795 \cs_new_eq:NN \orig_mathtt:n \mathtt
4796 \NewDocumentCommand \new@mathbf { m } {
4797   \orig_mathbf:n {
4798     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4799       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4800     }
4801     #1
4802   }
4803 }
4804 \NewDocumentCommand \new@mathit { m } {
4805   \orig_mathit:n {
4806     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4807       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4808     }
4809     #1

```



```

4810 }
4811 }
4812 \NewDocumentCommand \new@mathrm { m } {
4813   \orig_mathrm:n {
4814     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4815       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4816     }
4817     #1
4818   }
4819 }
4820 \NewDocumentCommand \new@mathsf { m } {
4821   \orig_mathsf:n {
4822     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4823       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4824     }
4825     #1
4826   }
4827 }
4828 \NewDocumentCommand \new@mathtt { m } {
4829   \orig_mathtt:n {
4830     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4831       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4832     }
4833     #1
4834   }
4835 }
4836
4837 \DeclareDocumentCommand \setdigitfont { 0 { } m 0 { } }
4838 {
4839   \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4840 }
4841 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4842 {
4843   \let\glb@currsizel\relax
4844   \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4845   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4846   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4847   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4848   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4849   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4850   \def\persianmathsdigits{%
4851     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4852     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4853     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4854     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4855     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4856     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4857     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4858     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4859     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}

```



```

4860 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4861 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4862 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4863 \tl_set_eq:NN \mathbf \new@mathbf
4864 \tl_set_eq:NN \mathit \new@mathit
4865 \tl_set_eq:NN \mathrm \new@mathrm}
4866 }
4867
4868
4869 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4870 {
4871   \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4872 }
4873 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4874 {
4875   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4876   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4877   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4878 }
4879
4880
4881
4882 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4883 {
4884   \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4885 }
4886 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4887 {
4888   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4889   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4890   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4891 }
4892
4893 \ExplSyntaxOff
4894 \ifx\newcommand\undefined\else
4895   \newcommand{\ZifferAn}{}
4896 \fi
4897 \mathchardef\ziffer@DotOri="013A
4898 {\ZifferAn
4899 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4900 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4901 \def\ziffer@check#1#2{%
4902   \ifx\n1\endgroup#1\else
4903     \ifx\n2\endgroup#1\else
4904       \ifx\n3\endgroup#1\else
4905         \ifx\n4\endgroup#1\else
4906           \ifx\n5\endgroup#1\else
4907             \ifx\n6\endgroup#1\else
4908               \ifx\n7\endgroup#1\else

```



```

4909             \ifx\n8\endgroup#1\else
4910             \ifx\n9\endgroup#1\else
4911             \ifx\n0\endgroup#1\else
4912             \ifx\n\overline\endgroup#1\else
4913             \endgroup#2%
4914         \fi
4915     \fi
4916 \fi
4917 \fi
4918 \fi
4919 \fi
4920 \fi
4921 \fi
4922 \fi
4923 \fi
4924 \fi}
4925 \mathcode`.="8000\relax
4926 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4927 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4928 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4929 \def\DefaultMathsDigits{%
4930     \DefaultInlineMathsDigits%
4931     \DefaultDisplayMathsDigits%
4932 }
4933 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4934     \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4935     \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4936     \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4937 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4938     \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4939     \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4940     \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4941 \def\PersianMathsDigits{%
4942     \PersianInlineMathsDigits%
4943     \PersianDisplayMathsDigits%
4944 }
4945 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
4946     \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4947     \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4948     \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4949 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4950     \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4951     \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4952     \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4953 \def\AutoMathsDigits{%
4954     \AutoInlineMathsDigits%
4955     \AutoDisplayMathsDigits%
4956 }
4957 \AutoMathsDigits
4958 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%

```



```

4959 \let\SetDisplayMathsDigits\relax%
4960 }
4961 \everydisplay\expandafter{%
4962 \the\everydisplay\SetDisplayMathsDigits%
4963 \let\SetInlineMathsDigits\relax%
4964 }

```

7.59 xepersian-multiplechoice.sty

```

4965 \NeedsTeXFormat{LaTeX2e}
4966 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4967 Multiple Choice Questionnaire class for Persian in XeLaTeX]
4968 \RequirePackage{pifont}
4969 \RequirePackage{fullpage}
4970 \RequirePackage{ifthen}
4971 \RequirePackage{calc}
4972 \RequirePackage{verbatim}
4973 \RequirePackage{tabularx}
4974 \def\@headerfont{\bfseries}
4975 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4976 \def\@X{X}
4977 \newcommand\X[1]{\gdef\@X{#1}}
4978 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4979 \newcolumnntype{D}{>{\pbs\centering}X}
4980 \newcolumnntype{Q}{>{\@headerfont}X}
4981
4982 \renewcommand\tabularxcolumn[1]{m{#1}}
4983 \newcommand\makeform@nocorrection{%
4984 \addtocontents{frm}{\protect\end{tabularx}}
4985 \@starttoc{frm}}
4986 \newcommand\makeform@correction{%
4987 \addtocontents{frm}{\protect\end{tabularx}}}
4988 \newcommand\makemask@nocorrection{%
4989 \addtocontents{msk}{\protect\end{tabularx}}
4990 \@starttoc{msk}}
4991 \newcommand\makemask@correction{%
4992 \addtocontents{msk}{\protect\end{tabularx}}}
4993 \newlength\questionspace
4994 \setlength\questionspace{0pt}
4995 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4996 \def\@answerstitlefont{\bfseries}
4997 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4998 \def\@answernumberfont{\bfseries}
4999 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5000 \newcounter{question}\stepcounter{question}
5001 \newcounter{@choice}
5002 \def\@initorchek{%
5003 \xdef\@choices{\the@choice}%
5004 \setcounter{@choice}{1}%
5005 \gdef\@arraydesc{|Q||}%

```



```

5006 \gdef\@headerline{}%
5007 \whiledo{\not{\value{@choice}>\@choices}}{
5008   \xdef\@arraydesc{\@arraydesc D]}
5009   \def\@appendheader{\g@addto@macro\@headerline}
5010   \@appendheader{\protect\@headerfont}
5011   \edef\@the@choice{\alph{@choice}}
5012   \expandafter\@appendheader\@the@choice
5013   \stepcounter{@choice}}%
5014 \addtocontents{frm}{%
5015   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5016   \protect\hline
5017   \@headerline\protect\\protect\hline\protect\hline}%
5018 \addtocontents{msk}{%
5019   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5020   \protect\hline
5021   \@headerline\protect\\protect\hline\protect\hline}%
5022 \gdef\@initorcheck{%
5023   \ifthenelse{\value{@choice} = \@choices}{}{%
5024     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5025       (\the@choice\space instead of \@choices)}{%
5026       Questions must all have the same number of proposed answers.%
5027       \MessageBreak
5028       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
5029 \newenvironment{question}[1]{%
5030   %% \begin{question}
5031   \begin{minipage}{\textwidth}
5032     \xdef\@formanswerline{\@questionheader}%
5033     \xdef\@maskanswerline{\@questionheader}%
5034     \fbox{\parbox[c]{\linewidth}{#1}}
5035     \vspace\questionspace\par
5036     {\@answerstitlefont\@answerstitle}
5037     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
5038   %% \end{question}
5039   \end{list}
5040   \@initorcheck%
5041   \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5042   \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5043   \end{minipage}
5044   \stepcounter{question}}
5045 \def\@truesymbol{\ding{52}~}
5046 \def\@falsesymbol{\ding{56}~}
5047 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5048 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5049 \def\@true@nocorrection{\item}
5050 \def\@false@nocorrection{\item}
5051 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5052 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5053 \newcommand\true{%
5054   \xdef\@formanswerline{\@formanswerline\&}%
5055   \xdef\@maskanswerline{\@maskanswerline\&\@X}%

```




```

5056 \@true}%
5057 \newcommand\false{%
5058 \xdef\@formanswerline{\@formanswerline&}%
5059 \xdef\@maskanswerline{\@maskanswerline&}%
5060 \@false}%
5061 \def\@correctionstyle{\itshape}
5062 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5063 \newenvironment{correction}{\@correctionstyle}{}
5064 \def\@questionheader{ \thequestion}
5065 \answerstyle{ :
5066 \DeclareOption{nocorrection}{%
5067 \let\@true\@true@nocorrection
5068 \let\@false\@false@nocorrection
5069 \let\correction\comment
5070 \let\endcorrection\endcomment
5071 \def\makeform{\makeform@nocorrection}
5072 \def\makemask{\makemask@nocorrection}}
5073 \DeclareOption{correction}{%
5074 \let\@true\@true@correction
5075 \let\@false\@false@correction
5076 \let\correction\@correction
5077 \let\endcorrection\end@correction
5078 \def\makeform{\makeform@correction}
5079 \def\makemask{\makemask@correction}}
5080 \ExecuteOptions{nocorrection}
5081 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5082 \def\@questiontitlefont{\bfseries}
5083 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5084 \newlength\questiontitlespace
5085 \setlength\questiontitlespace{5pt}
5086 \newlength\questionsepspace
5087 \setlength\questionsepspace{20pt}
5088 \gdef\@questionsepspace{0pt}
5089 \let\old@question\question
5090 \let\old@endquestion\endquestion
5091 \renewenvironment{question}[1]{%
5092 %% \begin{question}
5093 \vspace\@questionsepspace
5094 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5095 \nopagebreak\vspace\questiontitlespace\par
5096 \old@question{#1}}{%
5097 %% \end{question}
5098 \old@endquestion
5099 \gdef\@questionsepspace{\questionsepspace}}
5100 \questiontitle{ \thequestion:}
5101 \ProcessOptions

```

7.60 xepersian-persiancal.sty

```

5102 \NeedsTeXFormat{LaTeX2e}

```



```

5103 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5104
5105 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5106 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5107 \newcount\XePersian@latini \newcount\XePersian@persiani
5108 \newcount\XePersian@latinii \newcount\XePersian@persianii
5109 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5110 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5111 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5112 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5113 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5114 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5115 \newcount\XePersian@latinix \newcount\XePersian@persianix
5116 \newcount\XePersian@latinx \newcount\XePersian@persianx
5117 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5118 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5119 \newcount\XePersian@persianxiii
5120
5121 \newcount\XePersian@temp
5122 \newcount\XePersian@temptwo
5123 \newcount\XePersian@tempthree
5124 \newcount\XePersian@yModHundred
5125 \newcount\XePersian@thirtytwo
5126 \newcount\XePersian@dn
5127 \newcount\XePersian@sn
5128 \newcount\XePersian@mminusone
5129
5130
5131 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5132 \XePersian@temp=\XePersian@y
5133 \divide\XePersian@temp by 100\relax
5134 \multiply\XePersian@temp by 100\relax
5135 \XePersian@yModHundred=\XePersian@y
5136 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5137 \ifodd\XePersian@yModHundred
5138 \XePersian@leapfalse
5139 \else
5140 \XePersian@temp=\XePersian@yModHundred
5141 \divide\XePersian@temp by 2\relax
5142 \ifodd\XePersian@temp\XePersian@leapfalse
5143 \else
5144 \ifnum\XePersian@yModHundred=0%
5145 \XePersian@temp=\XePersian@y
5146 \divide\XePersian@temp by 400\relax
5147 \multiply\XePersian@temp by 400\relax
5148 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5149 \else\XePersian@leaptrue
5150 \fi
5151 \fi
5152 \fi

```



```

5153 \XePersian@latini=31\relax
5154 \ifXePersian@leap
5155   \XePersian@latinii = 29\relax
5156 \else
5157   \XePersian@latinii = 28\relax
5158 \fi
5159 \XePersian@latiniii = 31\relax
5160 \XePersian@latiniv = 30\relax
5161 \XePersian@latin v = 31\relax
5162 \XePersian@latinvi = 30\relax
5163 \XePersian@latinvii = 31\relax
5164 \XePersian@latinviii = 31\relax
5165 \XePersian@latinix = 30\relax
5166 \XePersian@latinx = 31\relax
5167 \XePersian@latinxi = 30\relax
5168 \XePersian@latinxii = 31\relax
5169 \XePersian@thirtytwo=32\relax
5170 \XePersian@temp=\XePersian@y
5171 \advance\XePersian@temp by -17\relax
5172 \XePersian@temptwo=\XePersian@temp
5173 \divide\XePersian@temptwo by 33\relax
5174 \multiply\XePersian@temptwo by 33\relax
5175 \advance\XePersian@temp by -\XePersian@temptwo
5176 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
5177 \else
5178   \XePersian@temptwo=\XePersian@temp
5179   \divide\XePersian@temptwo by 4\relax
5180   \multiply\XePersian@temptwo by 4\relax
5181   \advance\XePersian@temp by -\XePersian@temptwo
5182   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
5183 \fi
5184 \XePersian@tempthree=\XePersian@y % Number of Leap years
5185 \advance\XePersian@tempthree by -1
5186 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5187 \divide\XePersian@temp by 4\relax
5188 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5189 \divide\XePersian@temptwo by 100\relax
5190 \advance\XePersian@temp by -\XePersian@temptwo
5191 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5192 \divide\XePersian@temptwo by 400\relax
5193 \advance\XePersian@temp by \XePersian@temptwo
5194 \advance\XePersian@tempthree by -611 % Number of Kabise years
5195 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5196 \divide\XePersian@temptwo by 33\relax
5197 \multiply\XePersian@temptwo by 8\relax
5198 \advance\XePersian@temp by -\XePersian@temptwo
5199 \XePersian@temptwo=\XePersian@tempthree %
5200 \divide\XePersian@temptwo by 33\relax
5201 \multiply\XePersian@temptwo by 33\relax
5202 \advance\XePersian@tempthree by -\XePersian@temptwo

```



```

5203 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
5204 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5205 \advance\XePersian@temp by -\XePersian@tempthree
5206 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5207 \XePersian@persiani=31
5208 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5209 \XePersian@persianii = 30\relax
5210 \if\XePersian@kabiseh
5211 \XePersian@persianiii = 30\relax
5212 \else
5213 \XePersian@persianiii = 29\relax
5214 \fi
5215 \XePersian@persianiv = 31\relax
5216 \XePersian@persianv = 31\relax
5217 \XePersian@persianvi = 31\relax
5218 \XePersian@persianvii = 31\relax
5219 \XePersian@persianviii= 31\relax
5220 \XePersian@persianix = 31\relax
5221 \XePersian@persianx = 30\relax
5222 \XePersian@persianxi = 30\relax
5223 \XePersian@persianxii = 30\relax
5224 \XePersian@persianxiii= 30\relax
5225 \XePersian@dn= 0\relax
5226 \XePersian@sn= 0\relax
5227 \XePersian@mminusone=\XePersian@m
5228 \advance\XePersian@mminusone by -1\relax
5229 \XePersian@i=0\relax
5230 \ifnum\XePersian@i < \XePersian@mminusone
5231 \loop
5232 \advance \XePersian@i by 1\relax
5233 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5234 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5235 \fi
5236 \advance \XePersian@dn by \XePersian@d
5237 \XePersian@i=1\relax
5238 \XePersian@sn = \XePersian@persiani
5239 \ifnum \XePersian@sn<\XePersian@dn
5240 \loop
5241 \advance \XePersian@i by 1\relax
5242 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5243 \ifnum \XePersian@sn<\XePersian@dn \repeat
5244 \fi
5245 \ifnum \XePersian@i < 4
5246 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5247 \advance \XePersian@y by -622\relax
5248 \else
5249 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5250 \advance \XePersian@y by -621\relax
5251 \fi
5252 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%

```



```

5253 \endcsname
5254 \ifnum\XePersian@i = 1
5255   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5256 \else
5257   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5258 \fi
5259 \newcommand*{\persiantoday}{\%
5260 \number\XePersian@d\space%
5261 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5262 }
5263 \let\persianyear\XePersian@y
5264 \let\persianmonth\XePersian@m
5265 \let\persianday\XePersian@d
5266 \def\XePersian@persian@month#1{\ifcase#1\or or\
5267 or\
5268 or\    or\
5269 or\
5270 or\    or\
5271 or\    or\
5272 or\    or\
5273 \fi\

```



Index

Symbols	
\!	2180
\%	4861
\.	4899
\@and	3232
\@if@newlist	1304, 1324
\@math	166
\@maybeautodot	2395, 2396, 2414, 2429, 2430, 2448, 2459, 2460, 2478
\@par	1707
\Abjad	1209, 3240, 3248, 3249, 3706, 3707
\Alph	2408, 2442, 2472, 3506, 3509, 3702, 3707
\@DeclareMathDelimiter	4777
\@DeclareMathSizes	4768
\@False	154, 156
\@Kashida@onfalse	1447
\@Kashida@ontrue	1446
\@LTRfootnotetext	1737
\@LTRmarginparreset	2884
\@Latincitex	73, 74, 1971, 1980, 2170, 2892, 2893
\@M	170, 3282, 3383, 3478
\@Mi	166
\@Mii	1630
\@Miii	1632
\@RTL@footnotefalse	2875, 2879, 3639
\@RTL@footnotetrue	2877, 2880, 3637
\@RTLfalse	136, 148, 161, 3592, 3599, 3621
\@RTLfootnotetext	1738
\@RTLtabfalse	3607
\@RTLtabtrue	3605
\@RTLtrue	3590, 3597, 3619
\@Roman	2410, 2444, 2474
\@SepMark	1566
\@SetTab	2484
\@True	149, 155
\@X	4976, 4977, 5055
\@abjad	1210, 3467, 3486, 3487, 3701, 3702
\@acol	1862, 1870
\@acolampacol	1860, 1862, 1868, 1870
\@adadi	1207, 2406, 2440, 2470, 3256, 3258, 3261
\@addamp	1861, 1869
\@addtopreamble	1829
\@alph	2409, 2443, 2473, 2485, 3505, 3508, 3701, 3706
\@ampacol	1860, 1868
\@answernumberfont	4998, 4999, 5037
\@answerstitle	4995, 5036
\@answerstitlefont	4996, 4997, 5036
\@appendheader	5009, 5010, 5012
\@arrayclassz	1860
\@arraydesc	5005, 5008, 5015, 5019
\@arrayrule	1808, 1809, 1810, 1852, 1853, 1854
\@author	4115, 4127
\@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	2898, 3750, 3754
\@begin@tempboxa	1707
\@biblabel	1972, 1981
\@bibsetup	1973, 1982
\@bidi@list@minipage@parbox@not@nobtrue	1704, 1726

\@bidi@list@minipage@parboxtrue	\@custommagazinename	3984, 4217
..... 1705, 1727	\@customminilogo	... 4216, 4230
\@bidi@strip@v@xepersianversion	\@customwwwTxt	3945, 3948, 4000
. 2548, 2550, 2556, 2562	\@date	..... 4118, 4128
\@bidituftesidenote@LTRmarginfont	\@dblfpbot	..... 3208
..... 86	\@dblfpsep	..... 3207
\@bidituftesidenote@RTLmarginfont	\@dblfpstop	..... 3206
..... 88	\@defaultunits	..... 2983, 2987
\@bsphack	\@dgroup	..... 148
..... 1629	\@dmath	..... 136, 165
\@capttype	\@doendpe	..... 2261
. 1617, 1680, 1927, 1937	\@dseries	..... 161
\@ccclvi	\@eha	..... 4731, 4757
..... 4711, 4717, 4741	\@empty	..... 151, 1624,
\@chapapp	1984, 1994, 1997, 2083, 2086,	
.. 30, 102, 113, 120, 132,	2215, 2894, 2897, 3341, 3347,	
1285, 1297, 1572, 2362, 2369,	3350, 3353, 3458, 4126, 4127,	
2376, 2384, 2425, 2455	4128, 4129	
\@chclass	\@emptytoks	..... 150
. 1742, 1750, 1758, 1773,	\@enGroup	..... 1199
1787, 1792, 1807, 1823, 1843,	\@enLabel	.. 1190, 1191, 1192, 1193,
1851, 1881, 1904, 1918	1194, 1195, 1196, 1197	
\@chnum	\@enOther	..... 1201
1744, 1745, 1746, 1747, 1748,	\@enSpace	..... 1198
1749, 1759, 1766, 1780, 1793,	\@end@tempboxa	..... 1722
1800, 1816, 1829, 1845, 1846,	\@endpbox	..... 1836, 1837
1847, 1848, 1849, 1850, 1864,	\@enhook	..... 1202
1872, 1882, 1889, 1911	\@enloop@	..... 1189
\@choices	\@entemp	1190, 1191, 1192, 1193, 1194,
5003, 5007, 5023, 5025	1195, 1196, 1197, 1198, 1199,	
\@cite	1200	
1959, 1966, 1978, 1994, 2083,	\@enum@	..... 1200
2895	\@extra@b@citeb	.....
\@cite@ofmt	.. 1999, 2005, 2007, 2030,	
..... 2903	2061, 2088, 2094, 2096	
\@citea	\@extrafootnotefeaturesfalse	..
.. 1999, 2013, 2027, 2036,	..... 3659	
2037, 2038, 2043, 2058, 2066,	\@extrafootnotefeaturestrue	..
2067, 2068, 2102, 2118, 2136,	..... 3657	
2894, 2896	\@false	..... 5060, 5068, 5075
\@citeb	\@false@correction	.. 5052, 5075
.. 1995, 1997, 1999, 2002,	\@false@nocorrection	5050, 5068
2004, 2005, 2007, 2030, 2061,	\@falsesymbol	.. 5046, 5048, 5052
2084, 2086, 2088, 2091, 2093,	\@firststampfalse	.... 1862, 1870
2094, 2096, 2895, 2897, 2898,	\@firststofone	... 1382, 1383, 1997,
2899, 2902, 2903	2086, 2897, 4714, 4738	
\@citex		
..... 1970, 1979		
\@classx		
..... 1826		
\@classz		
..... 1826		
\@correction		
..... 5076		
\@correctionstyle		
.. 5061, 5062,		
5063		
\@ctrerr		
..... 3247, 3252		
\@currbox		
.. 1637, 1683, 1687, 1926,		
1930, 1936, 1940		
\@currenvir		
.. 2244, 2246, 2247		
\@customlogo		
..... 4215, 4224		



\@firstoftwo ... 2551, 2557, 2563
\@float@HH ... 1923, 1924
\@float@Hx ... 1922, 1923
\@float@ ... 1923, 1934
\@floatboxreset 1693, 1932, 1942
\@floatcapt ... 1927, 1937
\@floatpenalty . 1630, 1632, 1635
\@flstylefalse ... 1929, 1939
\@flstyletrue ... 1929, 1939
\@fltovf ... 1685
\@footnotetext ... 1736
\@for ... 1995, 2084, 2895
\@formanswerline ... 5032, 5041, 5054, 5058
\@fpbot ... 3205
\@fps .. 1618, 1619, 1621, 1624, 1641
\@fpsadddefault ... 1622, 1625
\@fpsep ... 3204, 3207
\@fptop .. 3203, 3205, 3206, 3208
\@freelist ... 1637
\@gobble .. 1200, 1312, 1313, 1314, 2548
\@harfi ... 12, 20, 31, 34, 43, 49, 55, 61, 103, 114, 121, 133, 1208, 1275, 1286, 1298, 1404, 1573, 2363, 2370, 2377, 2385, 2392, 2405, 2426, 2439, 2456, 2469, 3250, 3253, 3254
\@headerfont .. 4974, 4975, 4980, 5010
\@headerline .. 5006, 5009, 5017, 5021
\@ifclassloaded
.. 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3665, 3677, 3689
\@ifdefinable 2279, 2281
\@ifdefinitionfileloaded 1614, 1757, 1790, 1880, 1921, 3521, 3522
\@ifnextchar ... 1923, 2164, 2170, 2892
\@ifnum 2101, 2103, 2105, 2112, 2113, 2116, 2128, 2151, 2153
\@ifpackageloaded 76, 1488, 1492, 2173, 2177, 2269, 2277, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540
\@ifstar 2163
\@ifundefined ... 72, 1999, 2005, 2088, 2094, 2899
\@ignoretrue 172
\@iiiminipage 1723
\@iiiparbox 1701
\@indexfile ... 3667, 3679, 3691
\@initortcheck . 5002, 5022, 5040
\@inlabelfalse 139
\@input@ 3669, 3681, 3693
\@lastchclass .. 1742, 1743, 1759, 1760, 1761, 1762, 1764, 1793, 1794, 1795, 1796, 1798, 1843, 1844, 1860, 1868, 1882, 1883, 1884, 1885, 1887
\@latex@error 4729, 4755
\@latex@warning 2901
\@latinAlph 3506, 3509
\@latinalph 2485, 3505, 3508, 3511
\@list@extra .. 3092, 3099, 3108, 3115, 3123, 3130, 3138, 3146, 3153, 3162, 3166, 3171, 3175, 3180, 3184, 3189
\@listI 3006, 3101
\@listdepth 1739
\@listi .. 3006, 3023, 3040, 3095, 3101, 3191
\@listi@footnotesize 3040, 3126
\@listi@small 3023, 3111
\@listii 3141
\@listiii 3156
\@listiv 3169
\@listv 3178
\@listvi 3187
\@m . 1976, 2896, 3281, 3382, 3476
\@mainmatterfalse . 97, 108, 126, 1279, 2419



<code>\@maskanswerline</code> ..	5033, 5042, 5055, 5059	<code>\@nodocument</code>	1616
<code>\@memfront</code>	1564	<code>\@nonlatinfalse</code>	2850, 3612
<code>\@minipagefalse</code>	2889	<code>\@nonlatintrue</code>	2864, 3614
<code>\@minipagerestore</code>	1740	<code>\@onelevel@sanitize</code>	1619
<code>\@minipagetrue</code>	2888	<code>\@outputbox</code>	1322
<code>\@minus</code> ..	2954, 2956, 2960, 2962, 2968, 2970, 2974, 2976, 3150	<code>\@outputpage</code>	1300
<code>\@mpLTRfootnotetext</code>	1737	<code>\@parboxrestore</code>	1305, 1692, 1707, 1734, 1931, 1941
<code>\@mpRTLfootnotetext</code>	1738	<code>\@parboxto</code>	1710, 1719
<code>\@mpargs</code>	1729	<code>\@parmoderr</code>	1635
<code>\@mpfn</code>	1735	<code>\@pboxswfalse</code>	1703, 1725
<code>\@mpfootnotetext</code>	1736	<code>\@pboxswtrue</code>	1717
<code>\@mplistdepth</code>	1739	<code>\@plus</code> ...	2954, 2956, 2960, 2962, 2968, 2970, 2974, 2976, 3150, 3203, 3204
<code>\@namedef</code>	1953, 2007, 2096, 2260	<code>\@ppsavesec</code>	25
<code>\@ne</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, 2862, 2863, 2939, 3268, 3309, 3316, 3328, 3333, 3369, 3410, 3417, 3429, 3434, 3770, 3771, 3772, 3773, 3774, 4721, 4726, 4745, 4752	<code>\@preamble</code>	1863, 1871
<code>\@newlistfalse</code>	1305	<code>\@preamblecmds</code>	4782
<code>\@next</code>	1637	<code>\@preamerr</code>	1753, 1787, 1823, 1857, 1918
<code>\@nextchar</code>	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	<code>\@ptsize</code>	2986
<code>\@nextchar</code>	1915	<code>\@questionheader</code> ..	5032, 5033, 5064
<code>\@nil</code>	2190, 2194, 2195, 2200, 2202, 3299, 3302, 3400, 3403	<code>\@questionsepspace</code> ..	5088, 5093, 5099
<code>\@nnil</code> ...	2983, 2987, 2991, 2992	<code>\@questiontitle</code>	5081, 5094
		<code>\@questiontitlefont</code> ..	5082, 5083, 5094
		<code>\@resetactivechars</code>	1303
		<code>\@resets@pp</code>	24, 1388, 1389
		<code>\@roman</code>	2411, 2445, 2475
		<code>\@safe@activesfalse</code> ..	1998, 2087
		<code>\@safe@activetrue</code> ..	1996, 2085
		<code>\@secondoftwo</code> ..	2553, 2559, 2565
		<code>\@setfontsize</code> .....	.. 3000, 3017, 3034, 3045, 3051, 3057, 3063, 3069, 3075, 3081, 3915, 3921, 3923, 3926, 3933, 3939, 3940, 3941, 3942, 3943
		<code>\@setfpsbit</code>	1657, 1660, 1663, 1666, 1669, 1672
		<code>\@setminipage</code>	1741
		<code>\@setnobreak</code>	1932, 1942
		<code>\@sharp</code> ...	1865, 1866, 1867, 1873, 1874, 1875



\@smemfront	1565	3061, 3064, 3067, 3070, 3073,
\@sptoken	1198	3076, 3079, 3082, 3085, 3087,
\@startpbox	1836, 1837	3089, 3103, 3105, 3118, 3120,
\@starttoc	3217, 4985, 4990	3133, 3135, 3149, 3192, 3193,
\@stop	2396, 2430, 2460	3195, 3197, 3199, 3204, 3209,
\@sx@xepersian@localize@verbatim	1953	3784, 3785
\@tabclassz	1868	\@tempdimc
\@tartibi	9, 16,	2984, 2985, 2986, 2988,
	39, 45, 51, 57, 94, 105, 116,	2989, 2990, 3008, 3025, 3042,
	128, 1206, 1271, 1281, 1293,	3048, 3054, 3060, 3066, 3072,
	1401, 1567, 1568, 2358, 2365,	3078
	2372, 2380, 2388, 2407, 2421,	\@tempskipa
	2441, 2451, 2471, 3362, 3364,	3788, 3789
	3367	\@tempswafalse
\@tempa	1190, 1191, 1192, 1193, 1194,	2128, 2892,
	1195, 1196, 1197, 1198, 1199,	3090, 3106, 3121, 3136, 3151,
	1200, 1201, 1204, 2200, 2202,	3164, 3173, 3182
	2285, 2286, 2287, 2288, 2289,	\@tempwattrue
	2290, 2291, 2292, 2293, 2294,	2127, 2892, 3092,
	2295, 2991, 2992	3108, 3123, 3138, 3153, 3166,
\@tempb	2989, 2992, 3009, 3026,	3175, 3184
	3043, 3049, 3055, 3061, 3067,	\@temptokena
	3073, 3079	2201, 2208, 2213,
\@tempboxa	1730	2219, 2226, 2236, 2250
\@tempc	2215, 2228, 2238, 2240,	\@testpach
	2241, 2244, 2252	1742, 1758, 1792, 1843,
\@tempcnta	1639,	1881
	1645, 1647, 1651, 1653, 1675,	\@tfor
	1676, 1682, 1683, 1827, 2110,	1640, 2285
	2111, 2112, 2115, 2116	\@thanks
\@tempcntb	1680, 1681, 1682	4120, 4126
\@tempdima	1706,	\@the@choice
	1707, 1728, 1732, 2982, 2983,	5011, 5012
	2984, 2988, 2990, 3001, 3008,	\@themargin
	3009, 3018, 3025, 3026, 3035,	1318
	3042, 3043, 3046, 3048, 3049,	\@title
	3052, 3054, 3055, 3058, 3060,	4108, 4129
	3061, 3064, 3066, 3067, 3070,	\@true
	3072, 3073, 3076, 3078, 3079,	5056, 5067, 5074
	3082	\@true@correction
\@tempdimb	1709, 1710, 2987, 2988,	5051, 5074
	2994, 2995, 2997, 3001, 3009,	\@true@nocorrection
	3011, 3012, 3014, 3018, 3026,	5049, 5067
	3028, 3029, 3031, 3035, 3043,	\@truesymbol
	3046, 3049, 3052, 3055, 3058,	5045, 5047, 5051
		\@verbatim
		1950, 1953, 2258, 2260,
		2271
		\@vobeyspaces
		1950, 2258
		\@warning
		2257
		\@x@xepersian@localize@verbatim
		1950
		\@xDeclareMathDelimiter
		4777
		\@xepersian@@baselineskip@scale
		2839, 2848, 2861, 2871
		\@xepersian@@computeautoilgfalse
		3744
		\@xepersian@@computeautoilgtrue
		3742
		\@xepersian@@fontsize@scale
		2838, 2843, 2860, 2870
		\@xepersian@info
		2523, 2545,



2547
 \@xfloat 1615, 1922, 1923
 \@xxDeclareMathDelimiter 4776
 \@xxxii 1681
 @\ 1594, 1595
 @\ 1590, 1591, 1593
 @\ 2172
]\ 2180
 \ 1947, 2180, 4076, 4391, 4392, 4654,
 4657, 4706, 4978, 5017, 5021,
 5041, 5042
 \{ 1946, 2180
 \} 1946, 2180
 \] 2180
 \^ 2181
 _ . 2600, 2602, 2621, 2623, 2644,
 2646, 2662, 2664, 2711, 2713,
 2732, 2734, 2753, 2755, 2774,
 2776, 2795, 2797, 2816, 2818,
 4839, 4841, 4871, 4873, 4884,
 4886
 \l 4392
 \~ 2181

 \sq 1343, 1345, 2896, 3305, 3311, 3330,
 3336, 3406, 3412, 3431, 3441,
 3991, 4000

 A
 \abj@num@i ... 3472, 3489, 3496
 \abj@num@ii .. 3474, 3493, 3500
 \abj@num@iii .. 3476, 3497, 3503
 \abj@num@iv 3478, 3501
 \Abjad 1209, 1214, 3248
 \abjad 1210, 1215, 3486
 \abjad@zero 3488, 3492
 \Abjadnumeral 3249
 \abjadnumeral 3487
 \abovedisplayshortskip
 .. 2995, 3003, 3012, 3020,
 3029, 3037, 3918, 3919, 3929,
 3930, 3936, 3937
 \abovedisplayskip
 .. 2993, 2998, 3002, 3010,
 3015, 3019, 3027, 3032, 3036,
 3916, 3917, 3927, 3928, 3934,
 3935
 \abstractname 3229
 \active 2181, 4899
 \adadi 1191, 1207, 1212, 2399, 2433,
 2463, 3255
 \adadinumeral 3261
 \AddEnumerateCounter 1206, 1207,
 1208, 1209, 1210
 \addfontfeatures .. 136, 148, 161
 \addtocontents 4984, 4987, 4989,
 4992, 5014, 5018, 5041, 5042
 \addtolength 2985,
 4143, 4144, 4147, 4566, 4567,
 4568, 4569, 4633
 \addtoversion 4769
 \adl@argarraydashrule 1810, 1854
 \adl@arraydashrule . 1809, 1853
 \adl@arrayrule 1808, 1852
 \adl@box 1834, 1836, 1837
 \adl@class@iiiorvii 1840, 1877
 \adl@class@start ... 1839, 1876
 \adl@endmbox 1835
 \adl@putlrc 1831, 1832, 1833, 1865,
 1866, 1867, 1873, 1874, 1875
 \adl@startmbox 1834
 \advance .. 1346, 1647, 1653, 1676,
 1682, 2115, 2939, 2941, 3907,
 3911, 4179, 4182, 4726, 4752,
 5136, 5171, 5175, 5181, 5185,
 5190, 5193, 5194, 5198, 5202,
 5203, 5205, 5206, 5208, 5228,
 5232, 5233, 5236, 5241, 5242,
 5246, 5247, 5249, 5250, 5252,
 5255, 5257
 \aftergroup ... 1307, 1309, 3092,
 3108, 3123, 3138, 3153, 3166,
 3175, 3184
 \ALG@name 5, 7
 \algorithmicensure 3
 \algorithmicrequire 2
 \ALGS@name 6, 7
 \aliasfontfeature .. 1504, 1505,
 1506, 1507, 1508, 1509, 1510,
 1511, 1512, 1513, 1514, 1515,
 1516, 1517, 1518, 1519, 1520,



1521, 1522, 1523, 1524, 1525,
 1526, 1527, 1528, 1529, 1530,
 1531, 1532, 1533, 1534, 1535,
 1536, 1537, 1538, 1539, 1540,
 1541, 1542, 1543, 1544, 1545,
 1546, 1547, 1548, 1549, 1550,
 1551, 1552, 1553, 1554, 1555,
 1556
 \aliasfontfeatureoption . 1557,
 1558, 1559, 1560, 1561, 1562
 \alloc@ 4711
 \Alph . 1193, 1375, 1376, 2401, 2435,
 2465
 \alph 1194, 2402, 2436, 2466, 2492,
 5011, 5037
 \alpha@elt 4770
 \alpha@list 4770
 \anappendixtrue 1574
 \and 4133
 \answernumberfont 4999
 \answerstyle 4995, 5065
 \answerstylefont 4997
 \appendix 10, 17,
 40, 46, 52, 58, 99, 110, 117,
 129, 1272, 1282, 1294, 1372,
 1373, 1402, 1569, 2359, 2366,
 2373, 2381, 2389, 2422, 2452
 \appendixautorefname 1361
 \appendixname 11, 19,
 30, 102, 113, 120, 132, 1285,
 1297, 1403, 1572, 2362, 2369,
 2376, 2384, 2425, 2455, 3226
 \arabic 1197
 \arrayrulewidth 4648
 \articlesep 4630
 \AtBeginDocument 71,
 1371, 1460, 1953, 2160, 2265,
 3905, 3909
 \AtEndOfClass 3903
 \author 4131
 \authorandplace 4604
 \AutoDisplayMathsDigits . 3582,
 4949, 4955
 \autofootnoterule 3625
 \AutoInlineMathsDigits . . 3574,
 4945, 4954
 \AutoMathsDigits . . . 3566, 4953,
 4957
 B
 \backrefpagesname 63
 \baselineskip
 . . . 1315, 2942, 2945, 3821,
 3823, 3825, 3828, 3829, 3831
 \begin 2174, 2175, 2879, 2880, 3215,
 3959, 3962, 4015, 4030, 4043,
 4049, 4070, 4101, 4107, 4114,
 4138, 4192, 4198, 4270, 4273,
 4278, 4285, 4300, 4315, 4332,
 4366, 4384, 4389, 4409, 4416,
 4417, 4438, 4440, 4441, 4463,
 4468, 4469, 4505, 4506, 4514,
 4540, 4548, 4554, 4555, 4563,
 4593, 4617, 4649, 4650, 4665,
 4677, 4691, 5015, 5019, 5030,
 5031, 5037, 5092
 \beginingroup 144, 1301,
 1945, 2162, 2178, 2258, 2260,
 2570, 2572, 3091, 3107, 3122,
 3137, 3152, 3165, 3174, 3183,
 4718, 4742, 4899
 \beginL 2889, 3991, 4392
 \beginR . . 3995, 3996, 3997, 4008,
 4009, 4010, 4215, 4216, 4217,
 4235, 4256, 4257, 4258, 4259,
 4260, 4261, 4412, 4507
 \belowdisplayshortskip
 . . 2996, 3005, 3013, 3022,
 3030, 3039, 3919, 3930, 3937
 \belowdisplayskip
 . . 2998, 3004, 3015, 3021,
 3032, 3038, 3917, 3928, 3935
 \bfseries 2000, 2089, 2899, 3951,
 3957, 3976, 3984, 4012, 4028,
 4047, 4061, 4065, 4090, 4095,
 4099, 4224, 4230, 4974, 4996,
 4998, 5082
 \bgroup 1199, 1690, 1730, 1931, 1941,
 4714, 4738
 \bibname 3233
 \bidi@footnotetext@font 1330
 \bidi@LTRfootnotetext@font .



..... 1332
 \bidi@RTLfootnotetext@font .
 1334
 \bidi@thebibliography@font@hook
 3512
 \bidi@AfterEndPreamble .. 3516
 \bidi@column@status 3751, 3755
 \bidi@csdefcs 787, 1486
 \bidi@csletcs ... 482, 1486, 1490,
 1491, 1494, 1495
 \bidi@firstcolumn@status@write
 3749, 3757
 \bidi@font@@outputpage .. 2905
 \bidi@isloaded 1453,
 1454, 1455, 1456, 1457, 1458,
 1459, 1462, 1465, 1468, 1471,
 1474, 1477, 1480
 \bidi@lastcolumn@status@write
 3753, 3758
 \bidi@newrobustcmd . 2873, 2874,
 3219
 \bidi@patchcmd 3784, 3788, 3800,
 3806, 3812, 3820
 \bidi@reflect@box 3220
 \blacktriangleleft .. 1341, 1343
 \blacktriangleright . 1341, 1343
 \bm@b 1698
 \bm@c 1695
 \bm@l 1696
 \bm@r 1697
 \bm@s 1700
 \bm@t 1699
 \bm@ 1699
 \bm@ 1697
 \bm@ 1698
 \bm@ 1695
 \bm@ 1696
 \bm@ 1700
 \bool 4764
 \boolean 3892, 3904,
 3913, 4017, 4032, 4051, 4072,
 4268, 4269, 4299, 4331, 4365,
 4383, 4407, 4437, 4461, 4488
 \botmark 1327
 \box 150, 1322
 \BR@Latincitex 64, 74

\BRorg@Latincitex 65, 73

C

\C 2182
 \c .. 4798, 4806, 4814, 4822, 4830
 \c@book 1567
 \c@chapter
 18, 20, 31, 103, 114, 121, 133,
 1286, 1298, 1573, 2363, 2370,
 2377, 2385, 2426, 2456
 \c@mpfootnote 1735, 3511
 \c@part 9, 16, 39, 45, 51, 57, 94, 105,
 116, 128, 1271, 1281, 1293,
 1401, 1568, 2358, 2365, 2372,
 2380, 2388, 2421, 2451
 \c@section 10, 12, 18, 34, 43, 49, 55,
 61, 1275, 1402, 1404, 2392
 \c@subsection 10, 1402
 \catcode .. 1484, 1945, 1946, 1947,
 2181, 4899
 \ccname 3235
 \cdp@elt 4767
 \cdp@list 4767
 \centering 4154, 4442, 4979
 \cftchapname 2504
 \cftfigname 2510
 \cftparaname 2508
 \cftsecname 2505
 \cftsubfigname 2511
 \cftsubparaname 2509
 \cftsubsecname 2506
 \cftsubsubsecname 2507
 \cftsubtabname 2513
 \cfttabname 2512
 \chapterautorefname 1362
 \chaptername 19, 3234
 \chardef ... 1407, 1409, 1410, 1411,
 1412, 1413, 2911, 4711
 \charlist .. 1418, 1419, 1421, 1425
 \citation 2898
 \citenumfont 2139
 \citeyear 1961
 \citeyearpar 1961
 \ClassError 4289,
 4321, 4355, 4375, 4396, 4421,
 4446, 4472, 4495, 5024



`\ClassWarning` . 3874, 3876, 3878,
 4148, 4162
`\cleardoubleoddpages` 2418
`\cleardoublepages` 15, 96, 107, 125,
 1278
`\clearpage` 2418, 4252
`\closeout` 3667, 3679, 3691
`\color@begingroup` 1731
`\color@vbox` 1688, 1930, 1940
`\columnlines` 3848, 3849, 3881,
 4210
`\columnsep` 4144, 4567
`\columnseprule` 4210
`\columntitle` 4561
`\columnwidth` 1691, 1733, 1931, 1941,
 4143, 4566
`\comment` 5069
`\contentsname` 3215, 3223
`\copyright` 4000
`\correction` 5069, 5076
`\correctionstyle` 5062
`\count` 1683, 4178, 4179, 4181, 4182,
 4191, 4197
`\count@` 1827
`\cs` 2268, 2270, 2602, 2623, 2646,
 2648, 2653, 2664, 2666, 2671,
 2713, 2734, 2755, 2776, 2797,
 2818, 4791, 4792, 4793, 4794,
 4795, 4841, 4873, 4886
`\csname` 1487, 1680, 1720, 1925,
 1928, 1935, 1938, 1955, 2262,
 2279, 2280, 2281, 2282, 2283,
 2393, 2427, 2457, 2571, 2574,
 2580, 2582, 2903, 3093, 3109,
 3124, 3139, 3154, 3167, 3176,
 3185, 3248, 3253, 3256, 3362,
 3486, 3801, 3803, 3807, 3809,
 3813, 3815, 4717, 4720, 4725,
 4726, 4741, 4744, 4748, 4749,
 4752, 4787, 4789, 5233, 5242,
 5252
`\currenttime` 3974
`\customlogo` 4215
`\custommagazinenam` 4217
`\customminilogo` 4216
`\customwwwTxt` 3945

D

`\dollarbegin` 1831, 1832, 1833
`\dollarend` 1831, 1832, 1833
`\date` 3973, 3984, 4132, 4601
`\datename` 3231
`\day` 5131
`\dblfloatsep` 3201
`\dbltextfloatsep` 3202
`\decimalseparator` 4862, 4926
`\DeclareDocumentCommand`
 2598, 2619, 2642, 2660,
 2709, 2730, 2751, 2772, 2793,
 2814, 4837, 4869, 4882
`\DeclareMathAccent` 4775
`\DeclareMathAlphabet` 4774
`\DeclareMathDelimiter` 4776
`\DeclareMathRadical` 4778
`\DeclareMathSizes` 4767
`\DeclareMathSymbol` 4775
`\DeclareMathVersion` 4769
`\DeclareOption`
 3870, 3871, 3872, 3873,
 3875, 3877, 3879, 3880, 3881,
 3882, 3883, 5066, 5073
`\DeclareOptionX` 3710, 3716, 3720,
 3724, 3728, 3732, 3736
`\DeclareRobustCommand`
 2161, 2606, 2626, 2651,
 2669, 2684, 2687, 2690, 2693,
 2696, 2699, 2717, 2738, 2759,
 2780, 2801, 2822, 2891
`\DeclareSymbolFont`
 4772, 4846, 4847, 4848,
 4849, 4876, 4889
`\DeclareSymbolFontAlphabet`
 4779
`\DeclareSymbolFontAlphabet@`
 4779
`\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, 2840, 2845, 2859, 2875,
 2876, 2877, 2878, 2882, 2883,
 2884, 2893, 2896, 2991, 3092,
 3108, 3123, 3138, 3153, 3166,
 3175, 3184, 3221, 3222, 3223,
 3224, 3225, 3226, 3227, 3228,
 3229, 3230, 3231, 3232, 3233,
 3234, 3235, 3236, 3237, 3238,
 3239, 3240, 3248, 3250, 3253,
 3262, 3267, 3276, 3302, 3315,
 3326, 3340, 3346, 3349, 3352,
 3356, 3368, 3377, 3403, 3416,
 3427, 3445, 3450, 3457, 3467,
 3486, 3488, 3489, 3493, 3497,
 3501, 3507, 3511, 3700, 3705,
 3717, 3721, 3729, 3733, 3737,
 3749, 3753, 3945, 4215, 4216,
 4217, 4711, 4713, 4737, 4850,
 4877, 4890, 4900, 4901, 4926,
 4927, 4928, 4929, 4933, 4937,
 4941, 4945, 4949, 4953, 4974,
 4976, 4978, 4996, 4998, 5002,
 5009, 5045, 5046, 5049, 5050,
 5051, 5052, 5061, 5064, 5071,
 5072, 5078, 5079, 5082, 5266

\backslash def@NAT@last@yr ... 2118, 2120
 \backslash DefaultDisplayMathsDigits ...
 ... 3584, 4928, 4931
 \backslash defaultfontfeatures 3711
 \backslash DefaultInlineMathsDigits 3576,
 4927, 4930
 \backslash DefaultMathsDigits 3568, 4929
 \backslash define@choicekey
 .. 3564, 3572, 3580, 3588,
 3595, 3603, 3610, 3617, 3623,
 3635, 3641, 3647, 3651, 3655,
 3661, 3674, 3686, 3698, 3740,
 3747
 \backslash define@key 2284
 \backslash define@mathalphabet 4769
 \backslash define@mathgroup 4769
 \backslash deflatinfont 2660
 \backslash defpersianfont 2642
 \backslash depth 2292, 2293
 \backslash dimexpr . 2841, 2843, 2846, 2848,
 2945, 2988, 3142, 3157, 3170,
 3179, 3188, 3785, 3789, 3794,
 3795, 3796
 \backslash ding 5045, 5046
 \backslash display@setup 137, 162
 \backslash divide 4184, 4185, 5133, 5141, 5146,
 5173, 5179, 5187, 5189, 5192,
 5196, 5200, 5204
 \backslash do . 1642, 1995, 2084, 2285, 2895,
 4782
 \backslash document@select@group .. 4737
 \backslash dorestore@version 4771
 \backslash dosetclass ... 1419, 1420, 1424
 \backslash doublebox 4523, 4576
 \backslash dquad 170, 172
 \backslash dseries@display@setup ... 162

E

\backslash edef 1710, 1765, 1799, 1863,
 1871, 1888, 1997, 2086, 2246,
 2523, 2546, 2548, 2574, 2577,
 2897, 2986, 2989, 2999, 3016,
 3033, 3044, 3050, 3056, 3062,
 3068, 3074, 3080, 3095, 3111,
 3126, 3141, 3156, 3169, 3178,
 3187, 5011



<code>\edition</code>	4242	2214, 2217, 2232, 2234, 2240,
<code>\editionFormat</code>	3951, 3954	2248, 2256, 2283, 2286, 2287,
<code>\editorialAuthorFormat</code> . .	4094,	2288, 2289, 2290, 2291, 2292,
4658		2293, 2294, 2397, 2418, 2431,
<code>\editorialTitleFormat</code> . . .	4092,	2461, 2488, 2504, 2505, 2506,
4093		2507, 2508, 2509, 2510, 2511,
<code>\else</code> . . . 2, 3, 5, 7, 32, 63, 92, 140,		2512, 2513, 2552, 2558, 2564,
170, 1190, 1191, 1192, 1193,		2591, 2905, 2920, 2931, 2951,
1194, 1195, 1196, 1197, 1198,		2952, 2953, 2955, 2958, 2959,
1199, 1200, 1289, 1330, 1341,		2961, 2965, 2966, 2967, 2969,
1343, 1345, 1355, 1356, 1357,		2972, 2973, 2975, 3221, 3222,
1358, 1359, 1360, 1361, 1362,		3223, 3224, 3225, 3226, 3227,
1363, 1364, 1365, 1366, 1367,		3228, 3229, 3230, 3231, 3232,
1368, 1369, 1370, 1423, 1450,		3233, 3234, 3235, 3236, 3237,
1451, 1461, 1464, 1467, 1470,		3238, 3239, 3247, 3252, 3270,
1473, 1476, 1479, 1577, 1578,		3272, 3280, 3281, 3282, 3283,
1579, 1580, 1581, 1582, 1583,		3284, 3285, 3286, 3287, 3305,
1584, 1585, 1623, 1631, 1636,		3320, 3334, 3347, 3350, 3371,
1646, 1652, 1705, 1708, 1713,		3373, 3381, 3382, 3383, 3384,
1714, 1715, 1716, 1717, 1727,		3385, 3386, 3387, 3388, 3406,
1742, 1743, 1744, 1745, 1746,		3421, 3434, 3435, 3438, 3469,
1747, 1748, 1749, 1750, 1751,		3471, 3473, 3475, 3477, 3670,
1752, 1753, 1759, 1760, 1761,		3682, 3694, 3830, 4161, 4639,
1763, 1764, 1767, 1768, 1769,		4714, 4727, 4733, 4738, 4753,
1770, 1771, 1772, 1774, 1775,		4759, 4894, 4902, 4903, 4904,
1776, 1777, 1778, 1781, 1782,		4905, 4906, 4907, 4908, 4909,
1783, 1784, 1785, 1786, 1793,		4910, 4911, 4912, 4926, 4934,
1794, 1795, 1797, 1798, 1801,		4935, 4936, 4938, 4939, 4940,
1802, 1803, 1804, 1805, 1806,		4946, 4947, 4948, 4950, 4951,
1808, 1809, 1810, 1811, 1812,		4952, 5139, 5143, 5148, 5149,
1813, 1814, 1817, 1818, 1819,		5156, 5177, 5182, 5212, 5248,
1820, 1821, 1822, 1842, 1843,		5256
1844, 1845, 1846, 1847, 1848,		
1849, 1850, 1852, 1853, 1854,		<code>\empty</code> 1422
1855, 1856, 1857, 1882, 1883,		<code>\enclname</code> 3236
1884, 1886, 1887, 1890, 1891,		<code>\encodingdefault</code>
1892, 1893, 1894, 1895, 1896,		. . . 2614, 2634, 2725, 2746,
1897, 1898, 1899, 1900, 1901,		2767, 2788, 2809, 2830
1902, 1903, 1905, 1906, 1907,		<code>\end</code> 1419, 1420, 1425,
1908, 1909, 1912, 1913, 1914,		1426, 2174, 2175, 2246, 2257,
1915, 1916, 1917, 1929, 1939,		2879, 2880, 3218, 3959, 3964,
1964, 1977, 2009, 2014, 2023,		4021, 4035, 4045, 4054, 4077,
2026, 2040, 2044, 2053, 2057,		4116, 4119, 4122, 4139, 4194,
2060, 2072, 2076, 2077, 2098,		4200, 4277, 4283, 4287, 4313,
2119, 2133, 2135, 2138, 2152,		4319, 4353, 4373, 4388, 4394,
2154, 2165, 2188, 2199, 2212,		4430, 4431, 4432, 4455, 4456,
		4457, 4481, 4482, 4483, 4508,



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,
980, 981, 982, 983, 984, 985,



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> 4190, 4345, 4517, 4522, 4527,
1018, 1019, 1020, 1021, 1022,	4532, 4537, 4570, 4575, 4580,
1023, 1024, 1025, 1026, 1027,	4585, 4590
1028, 1029, 1030, 1031, 1032,	<code>\equationautorefname</code> 1355
1033, 1034, 1035, 1036, 1037,	<code>\escapechar</code> . . . 2573, 4719, 4743
1038, 1039, 1040, 1041, 1042,	<code>\everydisplay</code> . . . 137, 4961, 4962
1043, 1044, 1045, 1046, 1047,	<code>\everyjob</code> 2546, 2547
1048, 1049, 1050, 1051, 1052,	<code>\everymath</code> 4958
1053, 1054, 1055, 1056, 1057,	<code>\everypar</code> 2889
1058, 1059, 1060, 1061, 1062,	<code>\ExecuteOptions</code> 5080
1063, 1064, 1065, 1066, 1067,	<code>\ExecuteOptionsX</code> 3762
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, 2897, 2992,
1178, 1179, 1180, 1181, 1182,	3248, 3253, 3256, 3271, 3277,
1183, 1184, 1185, 1186, 1187,	3362, 3372, 3378, 3472, 3474,
1486	3476, 3478, 3486, 4714, 4733,
<code>\eqenvironment</code> . . 1217, 1218, 1219,	4738, 4747, 4748, 4749, 4759,
1220, 1221, 1222, 1223, 1224,	4958, 4961, 5012
1225, 1226, 1227, 1228, 1229,	<code>\expandedtitle</code> 4511
1230, 1231, 1232, 1233, 1234,	<code>\ExplSyntaxOff</code> 1954, 2276, 2836,
1235, 1236, 1237, 1238, 1239,	4784, 4893
1240, 1241, 1242, 1243, 1244,	<code>\ExplSyntaxOn</code> . 1952, 2264, 2596,
1245, 1246, 1247, 1248, 1249,	4763, 4790



<code>\extract@alph@from@version</code> ..	1918, 1919, 1929, 1939, 1951,
..... 4747	1969, 1987, 2008, 2010, 2021,
F	2025, 2034, 2035, 2039, 2051,
<code>\f@baselineskip</code> 2854, 2868, 3085,	2056, 2060, 2064, 2065, 2069,
3192, 3821, 3823	2074, 2075, 2076, 2077, 2097,
<code>\f@size</code> 2854, 2868	2099, 2121, 2129, 2137, 2138,
<code>\f@ur</code> 1416, 2911, 2927, 2928, 2929,	2147, 2148, 2154, 2157, 2167,
2932, 2933, 2934	2188, 2203, 2221, 2241, 2254,
<code>\false</code> 5057	2257, 2283, 2295, 2398, 2399,
<code>\falsesymbol</code> 5048	2400, 2401, 2402, 2403, 2404,
<code>\familydefault</code> ..	2405, 2406, 2407, 2408, 2409,
2613, 2633, 2724, 2745,	2410, 2411, 2412, 2413, 2418,
2766, 2787, 2808, 2829	2432, 2433, 2434, 2435, 2436,
<code>\fancyfoot</code> 4255, 4259, 4260, 4261	2437, 2438, 2439, 2440, 2441,
<code>\fancyhead</code> 4254, 4256, 4257, 4258	2442, 2443, 2444, 2445, 2446,
<code>\FancyVerbLineautorefname</code> 1368	2447, 2462, 2463, 2464, 2465,
<code>\fbox</code> 4139, 4154, 4369, 5034, 5094	2466, 2467, 2468, 2469, 2470,
<code>\fboxrule</code> . 1338, 1340, 1342, 1344,	2471, 2472, 2473, 2474, 2475,
4211	2476, 2477, 2490, 2504, 2505,
<code>\fboxsep</code> 1338, 1340,	2506, 2507, 2508, 2509, 2510,
1342, 1344, 4142, 4335, 4367,	2511, 2512, 2513, 2554, 2560,
4439, 4467, 4515, 4564	2566, 2584, 2585, 2593, 2898,
<code>\fi</code> 2, 3,	2905, 2919, 2924, 2925, 2926,
5, 7, 35, 63, 68, 92, 136, 138,	2930, 2935, 2936, 2937, 2938,
139, 140, 148, 159, 161, 170,	2947, 2951, 2952, 2953, 2957,
1203, 1289, 1330, 1341, 1343,	2959, 2963, 2964, 2966, 2967,
1345, 1355, 1356, 1357, 1358,	2971, 2973, 2977, 2978, 2979,
1359, 1360, 1361, 1362, 1363,	3099, 3115, 3130, 3146, 3162,
1364, 1365, 1366, 1367, 1368,	3171, 3180, 3189, 3221, 3222,
1369, 1370, 1416, 1424, 1450,	3223, 3224, 3225, 3226, 3227,
1451, 1463, 1466, 1469, 1472,	3228, 3229, 3230, 3231, 3232,
1475, 1478, 1481, 1577, 1578,	3233, 3234, 3235, 3236, 3237,
1579, 1580, 1581, 1582, 1583,	3238, 3239, 3247, 3252, 3274,
1584, 1585, 1626, 1627, 1633,	3288, 3300, 3305, 3306, 3309,
1648, 1649, 1654, 1655, 1658,	3311, 3312, 3324, 3328, 3330,
1661, 1664, 1667, 1670, 1673,	3331, 3333, 3336, 3338, 3344,
1677, 1678, 1686, 1704, 1705,	3347, 3350, 3354, 3359, 3375,
1711, 1718, 1721, 1726, 1727,	3389, 3401, 3406, 3407, 3410,
1746, 1747, 1748, 1749, 1753,	3412, 3413, 3425, 3429, 3431,
1754, 1755, 1769, 1770, 1771,	3432, 3434, 3440, 3441, 3443,
1772, 1787, 1788, 1803, 1804,	3448, 3455, 3461, 3479, 3480,
1805, 1806, 1823, 1824, 1838,	3481, 3482, 3483, 3484, 3491,
1847, 1848, 1849, 1850, 1857,	3492, 3495, 3496, 3499, 3500,
1858, 1862, 1867, 1870, 1875,	3502, 3503, 3515, 3571, 3579,
1878, 1892, 1893, 1894, 1895,	3587, 3593, 3600, 3608, 3615,
	3622, 3634, 3640, 3646, 3650,



3654, 3660, 3672, 3673, 3684,
 3685, 3696, 3697, 3709, 3745,
 3759, 3782, 3832, 3833, 3835,
 4164, 4165, 4370, 4387, 4551,
 4625, 4644, 4671, 4696, 4714,
 4732, 4733, 4738, 4758, 4759,
 4896, 4914, 4915, 4916, 4917,
 4918, 4919, 4920, 4921, 4922,
 4923, 4924, 4926, 4934, 4935,
 4936, 4938, 4939, 4940, 4946,
 4947, 4948, 4950, 4951, 4952,
 5148, 5150, 5151, 5152, 5158,
 5182, 5183, 5203, 5214, 5235,
 5244, 5251, 5258, 5273
 \figureautorefname 1358
 \figurename 3221
 \finishsetclass 1422, 1426
 \firstarticle 4266, 4290, 4291,
 4293
 \FirstFrameCommand 1340
 \firstimage 4363, 4376, 4377,
 4379
 \firstmark 1327
 \firstTextFormat 4024, 4026
 \firstTitleFormat 4012, 4018,
 4019
 \float@box 1926, 1936
 \float@endH 1925, 1935
 \floatsep 3196, 3200, 3201
 \flushright 4012, 4031, 4050
 \font 2915
 \font@name 3801, 3803, 3807, 3809,
 3813, 3815
 \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 2854, 2868
 \fontspec 1953, 2271, 2604, 2625,
 2648, 2666, 2715, 2736, 2757,
 2778, 2799, 2820, 4844, 4875,
 4888
 \foot 4007
 \footdir@debugfalse 3645
 \footdir@debugtrue 3643
 \footins 3194
 \footnote 4104
 \footnoteautorefname 1356
 \footnoterule 4103
 \footnotesep 3193, 3829, 3831
 \footnotesize
 84, 86, 88, 1289, 1290,
 1291, 1330, 1332, 1334, 3033,
 3034, 3932, 3933, 3967, 4000,
 4065, 4089, 4090, 4102
 \foottextfont 1289
 \FrameCommand 1338
 \FrameRestore 1346
 \frenchspacing 1950, 2258
 \frontmatter 15, 95, 106, 124, 1277,
 2417
 \futurelet 2193, 4899

G
 \g 2604, 2605, 2609, 2625, 2629,
 2715, 2716, 2720, 2736, 2737,
 2741, 2757, 2758, 2762, 2778,
 2779, 2783, 2799, 2800, 2804,
 2820, 2821, 2825, 4764, 4844,
 4846, 4847, 4848, 4849, 4875,
 4876, 4888, 4889
 \g@addto@macro 5009
 \G@refundefinedtrue 2900
 \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, 3945, 4215, 4216, 4217,
 4899, 4975, 4977, 4995, 4997,
 4999, 5005, 5006, 5022, 5047,
 5048, 5062, 5081, 5083, 5088,
 5099
 \get@cdp 4773
 \getanddefine@fonts 3800, 3806,
 3812, 4720, 4744



\Gin@boolkey	2278	\height	2290, 2291
\glb@currsz	4843	\hfil	1830, 1831, 1832, 1833, 1865, 1866, 1867, 1873, 1874, 1875
\global	73, 74, 139, 149, 150, 151, 152, 153, 154, 155, 156, 164, 1304, 1305, 1324, 1683, 1687, 2007, 2096, 4124, 4125, 4126, 4127, 4128, 4129, 4130, 4131, 4132, 4133, 4726, 4752	\hline	4655, 5016, 5017, 5020, 5021, 5041, 5042
\globaldefs	4721, 4745	\hrule	1416, 4538, 4544, 4591, 4597, 4642, 4682
\glossary	1314	\hrulefill	4220, 4225, 4239
\glsaddprotectedpagefmt	1351, 1352, 1353	\hsize	1346, 1691, 1707, 1732, 1733, 1931, 1941
\goodbreak	4702	\hskip	1416, 1832, 1833, 1875
\grid	3906, 3910, 4172	\hspace	3973, 3991, 4220, 4226, 4238, 4240, 4418
\Grot@x	2286, 2287, 2288, 2289	\hss	1719
\Grot@y	2290, 2291, 2292, 2293, 2294, 2295	\Huge	3080, 3081, 3943, 4012, 4068
\group	2271	\huge	3074, 3075, 3942
\group@elt	4772	\Hy@AlphNoErr	1391, 1393
\group@list	4772	\Hy@appendixstring	1377, 1395
\grp@aligned	155	\Hy@backout	69, 77
\GRP@box	150	\Hy@chapapp	1377, 1395
\grp@eqs@numbered	154	\HyOrg@appendix	1372, 1378
\grp@hasNumber	159	\HyOrg@resets@pp	1388, 1396
\GRP@label	151	\hyper@natlinkbreak	2029, 2060
\grp@linewidth	153	\hyper@natlinkstart	77
\GRP@queue	150		
\grp@setnumber	159	I	
\grp@shiftnumber	156	\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,
\grp@wdL	152		
\grp@wdNum	153		
\grp@wdR	152		
\grp@wdT	152		
H			
\harfi	1190, 1208, 1213, 1566, 2398, 2432, 2462, 3253		
\harfinumeral	3254		
\hbox	1834, 2899, 3219, 3220		
\headDateTimeFormat	3971, 3973		
\headerfont	4975		
\headheight	1320, 4205		
\heading	3994		
\headrulewidth	4206, 4262		
\headsep	1321		
\headtoname	3238		



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	1771, 1772, 1803, 1804, 1805, 1806, 1847, 1848, 1849, 1850, 1892, 1893, 1894, 1895
\if@bidi@algorithmicloaded@ 1461	\if@tempswa 2129, 3099, 3115, 3130, 3146, 3162, 3171, 3180, 3189
\if@bidi@algorithmloaded@ 1464	\if@twoside 2418
\if@bidi@backrefloaded@ . 1467	\if@xepersian@@computeautoilg 2907, 3819
\if@bidi@csprimitive 1486	\ifadl@usingarypkg 1791
\if@bidi@csundef 3213, 3466, 3517	\ifBR@verbose 66
\if@bidi@enumerateloaded@ 1470	\ifcase 1829, 1860, 1864, 1868, 1872, 2011, 2041, 2134, 3241, 3250, 3278, 3341, 3347, 3350, 3353, 3357, 3379, 3446, 3451, 3458, 3490, 3494, 3498, 3502, 3565, 3573, 3581, 3589, 3596, 3604, 3611, 3618, 3624, 3636, 3642, 3648, 3652, 3656, 3662, 3675, 3687, 3699, 3741, 3748, 5266
\if@bidi@enumitemloaded@ 1473	\ifdim 169, 2550, 2556, 2562, 2916, 2917, 2921, 2922, 2927, 2928, 2932, 2933, 2942, 2951, 2952, 2953, 2959, 2966, 2967, 2973, 3825, 3829, 4152, 4637
\if@bidi@tocloftloaded@ . 1476	\iffontchar 2915
\if@bidi@urlloaded@ 1479	\ifhmode 1628
\if@chapter@pp 28	\ifinner 1634
\if@extrafootnotefeatures 3779	\ifmmode 1716, 4716, 4740
\if@filesw 2898	\ifNAT@full 2009, 2098
\if@hboxRconstruct . 1704, 1726	\ifNAT@longnames ... 2005, 2094
\if@inlabel 139	\ifNAT@numbers 1958, 2165
\if@Kashida@on 1414, 1415	\ifNAT@super 1959
\if@LTRbibitems 3513	\ifNAT@swa 2011, 2076, 2100, 2152
\if@newlist ... 1304, 1324, 1951	\ifnum 170, 1675, 1742, 1743, 1759, 1760, 1761, 1762, 1764, 1793, 1794, 1795, 1796, 1798, 1843, 1844, 1882, 1883, 1884, 1885, 1887, 2486, 2589, 2940, 3268, 3270, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3303, 3305, 3307, 3309, 3311, 3316, 3327, 3328, 3330, 3332, 3333, 3336, 3369, 3371, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3404, 3406,
\if@nonlatin .. 4946, 4947, 4948, 4950, 4951, 4952	
\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, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239	
\if@RTL@footnote ... 1289, 1330	
\if@RTLmain 2905	
\if@RTLtab 1746, 1747, 1748, 1749, 1769, 1770,	



3408, 3410, 3412, 3417, 3428,
 3429, 3431, 3433, 3434, 3436,
 3441, 3468, 3470, 3472, 3474,
 3476, 3478, 3492, 3496, 3500,
 3503, 4549, 4623, 4669, 4694,
 4717, 4741, 5144, 5148, 5176,
 5182, 5203, 5230, 5234, 5239,
 5243, 5245, 5254
 \ifodd 1645, 1651, 5137, 5142
 \ifthenelse . . 3892, 3904, 3913,
 4017, 4032, 4051, 4072, 4190,
 4268, 4269, 4299, 4331, 4345,
 4365, 4383, 4407, 4437, 4461,
 4488, 4517, 4522, 4527, 4532,
 4537, 4570, 4575, 4580, 4585,
 4590, 5023
 \ifwritexviii . 2588, 3664, 3676,
 3688
 \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, 4714, 4738, 4894,
 4902, 4903, 4904, 4905, 4906,
 4907, 4908, 4909, 4910, 4911,
 4912, 4926, 4934, 4935, 4936,
 4938, 4939, 4940, 4946, 4947,
 4948, 4950, 4951, 4952
 \ifXePersian@kabiseh 5105, 5210
 \ifXePersian@leap . . 5105, 5154
 \IfxepersianPackageVersion 2561
 \IfxepersianPackageVersionBefore
 2555
 \IfxepersianPackageVersionLater
 2549
 \ifxetex 4145, 4368, 4385
 \ignorespaces 173,
 1933, 1943, 2616, 2636, 2727,
 2748, 2769, 2790, 2811, 2832,
 3963, 4016, 4026, 4031, 4039,
 4044, 4050, 4058, 4318, 4344,
 4493
 \image 4140
 \immediate 2898, 3667, 3668, 3679,
 3680, 3691, 3692
 \includegraphics . . . 4155, 4369,
 4386
 \index 1313
 \indexEntryFormat . . 3961, 3963
 \indexEntryPageFormat . . 3967,
 3969
 \indexEntryPageTxt . 3966, 3969
 \indexEntrySeparator 3965, 4493
 \indexFormat 3957, 3959
 \indexitem 4486, 4496, 4497, 4499
 \indexname 3227
 \init@restore@version . . . 4723,
 4771
 \innerAuthorFormat . 4089, 4606
 \innerPlaceFormat . . 4090, 4606
 \innerSubtitleFormat 4079, 4080
 \innerTextFinalMark 4091, 4627
 \innerTitleFormat . . 4068, 4073,
 4074
 \input 1497, 1498, 1499, 1500,
 1501, 1502, 1503, 3521, 3522,
 3523, 3524, 3525, 3526, 3527,
 3528, 3529, 3530, 3531, 3532,
 3533, 3534, 3535, 3536, 3537,
 3538, 3539, 3540, 3541, 3542,
 3543, 3544, 3545, 3546, 3547,
 3548, 3549, 3550, 3551, 3552,
 3553, 3554, 3555, 3556, 3557,
 3558, 3559, 3560, 3561, 3562,
 3563, 3649, 3653, 3780, 3781
 \insert@column . 1831, 1832, 1833,
 1834, 1836, 1837
 \int . 4798, 4806, 4814, 4822, 4830
 \intermath@penalty 172
 \intextsep 3200
 \iranicdefault 2680, 2692, 2821,



2829
 \iranicfamily . 2690, 2691, 2704,
 2822
 \item 5049, 5050, 5051, 5052
 \itemautorefname 1357
 \itemsep . . 3098, 3114, 3129, 3145,
 3161
 \itshape 3511, 5061

 J
 \jobname . 3668, 3669, 3680, 3681,
 3692, 3693

 K
 \KashidaOff 1447
 \KashidaOn 1446, 1448
 \kern 1963, 3220
 \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, 4622, 4668, 4692
 \labelsep . 3142, 3157, 3170, 3179,
 3188
 \labelwidth 3142, 3157, 3170, 3179,
 3188
 \LARGE . . . 3068, 3069, 3941, 4028,
 4092, 4095, 4108, 4110
 \Large . . . 3062, 3063, 3940, 4047,
 4097, 4224, 4507, 4541
 \large 3056, 3057, 3939, 3951, 3957,
 4037, 4056, 4079, 4099, 4112,
 4118, 4230
 \LastFrameCommand 1344
 \lastpenalty 170
 \lastskip 169
 \latin 2875
 \LatinAlphs . . 2875, 2879, 3507
 \Latincite 2161, 2891
 \latinfont 2626, 2851, 2853, 3712
 \latintoday 2882
 \lccode 2180, 2181, 2182
 \leaders 1416

\leavevmode . 138, 139, 1702, 1724,
 1951, 2893, 3219
 \leftfootnoterule 3627
 \leftmargin 3095, 3111, 3126, 3141,
 3142, 3156, 3157, 3169, 3170,
 3178, 3179, 3187, 3188
 \leftmargini . . . 3095, 3111, 3126
 \leftmarginii 3141
 \leftmarginiii 3156
 \leftmarginiv 3169
 \leftmarginv 3178
 \leftmarginvi 3187
 \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, 2839, 2851,
 2852, 2856, 2857, 2860, 2861,
 2862, 2863, 2865, 2866, 2870,
 2871, 2881, 2894, 3006, 3023,
 3040, 3101, 3249, 3254, 3261,
 3367, 3487, 3505, 3506, 3508,
 3509, 3701, 3702, 3706, 3707,
 3757, 3758, 4102, 4103, 4104,
 4124, 4125, 4126, 4127, 4128,
 4129, 4130, 4131, 4132, 4133,
 4712, 4728, 4754, 4843, 4959,
 4963, 4978, 5067, 5068, 5069,
 5070, 5074, 5075, 5076, 5077,
 5089, 5090, 5263, 5264, 5265
 \lineskip 1316, 4113



\NAT@@open 2060, 2136
\NAT@alias 2038, 2068, 2103, 2146
\NAT@all@names 2006, 2009, 2095,
2098
\NAT@aysep 2030
\NAT@biblabel 1981
\NAT@biblabelnum 1972
\NAT@bibsetnum 1973
\NAT@bibsetup 1982
\NAT@cite 1978
\NAT@cite@list 1995, 2084
\NAT@citea@mbox 2129
\NAT@citenum 1966
\NAT@citesuper 1959
\NAT@citeundefined . 2000, 2090
\NAT@citex 1979
\NAT@citexnum 1970
\NAT@close 1974, 1985
\NAT@cmprs 2105, 2151
\NAT@cmt 2076, 2154
\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@mbox . . 2113, 2123
\NAT@Latin@cites . . . 2163, 2164
\NAT@Latin@citex 1980, 1988, 1989
\NAT@Latin@citexnum 1971, 2078,
2079
\NAT@mbox . 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, 3839, 4708,
4965, 5102



<code>\new@mathalphabet</code>	4774	5117, 5118, 5119, 5121, 5122,
<code>\new@mathbf</code>	4796, 4863	5123, 5124, 5125, 5126, 5127,
<code>\new@mathgroup</code>	4711, 4712, 4767	5128
<code>\new@mathit</code>	4804, 4864	<code>\newcounter</code>
<code>\new@mathrm</code>	4812, 4865	5000, 5001
<code>\new@mathsf</code>	4820, 4877	<code>\newdimen</code>
<code>\new@mathtt</code>	4828, 4890	2909, 2910, 4168, 4169
<code>\new@mathversion</code>	4772	<code>\NewDocumentCommand</code>
<code>\new@symbolfont</code>	4773	4796, 4804,
<code>\newboolean</code>	3850, 3852, 3854,	4812, 4820, 4828
	3856, 3858, 3860, 3862	<code>\newenvironment</code>
<code>\newcolumntype</code>	4979, 4980	1487,
<code>\newcommand</code>	1446, 1447,	2174, 2175, 2879, 2880, 4137,
	1484, 1486, 1487, 1489, 1493,	4243, 4405, 4435, 4459, 4613,
	1988, 2078, 2164, 2169, 2492,	4662, 4688, 5029, 5063
	2549, 2555, 2561, 2678, 2679,	<code>\newfam</code>
	2680, 2681, 2682, 2683, 2912,	4712
	2950, 2982, 3212, 3255, 3258,	<code>\newfontface</code>
	3361, 3364, 3793, 3847, 3902,	2482
	3946, 3947, 3950, 3951, 3952,	<code>\newfontlanguage</code>
	3957, 3958, 3961, 3962, 3965,	2595
	3966, 3967, 3968, 3971, 3972,	<code>\newfontscript</code>
	3976, 3977, 3980, 3981, 3982,	2594
	3983, 3986, 3989, 3994, 3999,	<code>\newif</code>
	4002, 4004, 4007, 4012, 4013,	1414, 2588, 2907, 5105
	4024, 4025, 4028, 4029, 4037,	<code>\newlength</code>
	4038, 4041, 4042, 4047, 4048,	3842, 3843, 3844, 3845,
	4056, 4057, 4059, 4060, 4061,	3846, 3848, 4993, 5084, 5086
	4062, 4065, 4066, 4068, 4069,	<code>\newmathalphabet</code>
	4079, 4080, 4081, 4082, 4083,	4768
	4084, 4089, 4090, 4091, 4092,	<code>\newmathalphabet@</code>
	4093, 4094, 4095, 4096, 4097,	4768
	4098, 4099, 4100, 4135, 4140,	<code>\newmathalphabet@@</code>
	4172, 4204, 4218, 4229, 4234,	4768
	4242, 4266, 4297, 4329, 4363,	<code>\newpage</code>
	4382, 4486, 4504, 4511, 4553,	3666, 3678, 3690, 4253
	4561, 4604, 4610, 4630, 4647,	<code>\newsavebox</code>
	4676, 4701, 4785, 4786, 4788,	4136
	4894, 4895, 4975, 4977, 4983,	<code>\newsection</code>
	4986, 4988, 4991, 4995, 4997,	4610
	4999, 5047, 5048, 5053, 5057,	<code>\next</code>
	5062, 5081, 5083, 5259	1422, 1424, 1425, 2187, 2188,
<code>\newcount</code>	2908, 3864,	2189, 2193, 2195, 2198, 2202,
	3865, 3868, 4170, 4171, 5106,	2203, 2205, 2211, 2216, 2220,
	5107, 5108, 5109, 5110, 5111,	2222, 2231, 2233, 2239, 2242,
	5112, 5113, 5114, 5115, 5116,	2246, 2253, 2255
		<code>\nobreak</code>
		1415, 1960
		<code>\noexpand</code>
		1302,
		2186, 2206, 2212, 2214, 2224,
		2232, 2234, 2246, 2247, 2256,
		3000, 3006, 3017, 3023, 3034,
		3040, 3045, 3051, 3057, 3063,
		3069, 3075, 3081, 3099, 3115,
		3130, 3146, 3162, 3171, 3180,
		3189, 4724
		<code>\nohyphens</code>
		4018, 4033, 4052, 4073
		<code>\noindent</code>
		3963, 3978, 4016, 4026,
		4031, 4039, 4044, 4050, 4058,
		4063, 4067, 4071, 4220, 4237,
		4318, 4344, 4369, 4416, 4493,
		4507, 4541, 4556, 4594, 4651,
		4679, 4704, 4706
		<code>\non@alpherr</code>
		4733, 4759



`\nopagebreak` 5095
`\normalcolor` . . . 1689, 1930, 1940
`\normalfont` 2615, 2635, 2726, 2747,
 2768, 2789, 2810, 2831, 2851,
 2852, 2865, 2866
`\normalsfcodes` 1311
`\normalsize` 1311, 2887, 2999, 3000,
 3084, 3914, 3915, 3961, 4556,
 4594
`\not` 5007
`\not@math@alphabet` 2685, 2688,
 2691, 2694, 2697, 2700
`\null` 4105, 4121
`\number` . . 3268, 3270, 3271, 3369,
 3371, 3372, 3472, 3474, 3476,
 3478, 4725, 4749, 5260, 5261
`\numexpr` . 4799, 4807, 4815, 4823,
 4831

O

`\obeyspaces` 4899
`\old@endquestion` . . . 5090, 5098
`\old@question` 5089, 5096
`\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, 3241, 3242, 3243,
 3244, 3245, 3246, 3250, 3251,
 3252, 3289, 3290, 3291, 3292,
 3293, 3294, 3295, 3296, 3297,
 3298, 3302, 3341, 3342, 3343,
 3344, 3347, 3350, 3353, 3354,
 3357, 3358, 3359, 3390, 3391,
 3392, 3393, 3394, 3395, 3396,
 3397, 3398, 3399, 3403, 3446,
 3447, 3448, 3451, 3452, 3453,
 3454, 3455, 3458, 3459, 3460,
 3461, 3490, 3491, 3494, 3495,
 3498, 3499, 3502, 3567, 3569,
 3575, 3577, 3583, 3585, 3591,
 3598, 3606, 3613, 3620, 3626,
 3628, 3630, 3632, 3638, 3644,
 3658, 3704, 3743, 3756, 5266,
 5267, 5268, 5269, 5270, 5271,

 5272
`\orig` 4791, 4792, 4793, 4794, 4795,
 4797, 4805, 4813, 4821, 4829
`\originaltoday` 2881, 2882
`\Ovalbox` 4533, 4586
`\ovalbox` 4528, 4581
`\overline` 4912

P

`\p@` . 1963, 2951, 2952, 2953, 2954,
 2956, 2959, 2960, 2962, 2966,
 2967, 2968, 2970, 2973, 2974,
 2985, 2988, 3150, 4106
`\PackageError` 1462, 1465,
 1468, 1471, 1474, 1477, 1480,
 3214, 3263, 3518, 3665, 3671,
 3677, 3683, 3689, 3695
`\PackageInfo` . 67, 79, 2943, 2944,
 3826, 3827, 4785
`\PackageWarning` 2001, 2090, 3464,
 3663
`\PackageWarningNoLine` . . . 2018,
 2048
`\page@free` 4150, 4152
`\pageautorefname` 1370
`\pagegoal` 4632
`\pagename` 3237
`\pagenumbering` . . 15, 98, 109, 127,
 1280, 1565, 2419
`\pageref` 3991, 4489
`\pagesFormat` 4065, 4067
`\pagestyle` 4208
`\pagetotal` 4633
`\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,
 4108, 4110, 4116, 4118, 4119,
 4608, 4693, 5035, 5095
`\paragraphautorefname` . . . 1366
`\parallel` 3973
`\parbox` 5034, 5094
`\parsep` 3086,
 3097, 3098, 3102, 3113, 3114,
 3117, 3128, 3129, 3132, 3144,
 3145, 3159



<code>\partautorefname</code>	1360	<code>\PrefixCurrentTab</code>	2492
<code>\partname</code>	3230	<code>\premath</code>	168
<code>\partopsep</code>	3150, 3160, 3209	<code>\prepnext@tok</code>	1828, 1838
<code>\PassOptionsToClass</code> 3870, 3871,	3872	<code>\printindex</code>	3666, 3678, 3690
<code>\pbs</code>	4978, 4979	<code>\process@table</code>	4771
<code>\pdfstringdefDisableCommands</code> .	1381	<code>\ProcessOptions</code>	3884, 5101
<code>\penalty</code>	166, 172, 1976, 2896	<code>\ProcessOptionsX</code>	3777
<code>\persian</code>	2877	<code>\proofname</code>	3239
<code>\PersianAlphs</code>	2877, 2880, 3700,	<code>\protect</code>	1302, 4290, 4291, 4293,
3705, 3838		4322, 4323, 4325, 4356, 4357,	
<code>\persianday</code>	5265	4359, 4376, 4377, 4379, 4397,	
<code>\PersianDisplayMathsDigits</code> . .	3586, 4937, 4943	4398, 4400, 4496, 4497, 4499,	
<code>\persianfont</code>	2606, 2865, 2867	4984, 4987, 4989, 4992, 5010,	
<code>\PersianInlineMathsDigits</code> 3578,	4933, 4942	5015, 5016, 5017, 5019, 5020,	
<code>\PersianMathsDigits</code> 3570, 4941		5021, 5041, 5042	
<code>\persianmathsdigits</code> 4850, 4934,		<code>\protected@write</code>	3750, 3754
4938, 4946, 4950		<code>\providecommand</code>	3463
<code>\persianmathsfdigits</code> 4877, 4935,		<code>\ProvidesClass</code>	3840
4939, 4947, 4951		<code>\ProvidesFile</code>	1, 4, 8, 14, 23,
<code>\persianmathttdigits</code> 4890, 4936,		38, 44, 50, 56, 62, 82, 91, 93,	
4940, 4948, 4952		104, 115, 123, 135, 175, 1128,	
<code>\persianmonth</code>	5264	1188, 1205, 1216, 1259, 1270,	
<code>\persiansfdefault</code>	2678, 2686,	1276, 1288, 1292, 1299, 1328,	
2716, 2724		1336, 1350, 1354, 1399, 1406,	
<code>\persiansffamily</code>	2684, 2685,	1449, 1452, 1483, 1563, 1576,	
2702, 2717		1586, 1956, 2357, 2364, 2371,	
<code>\persiantoday</code>	2883, 5259	2379, 2387, 2416, 2450, 2480,	
<code>\persianttdefault</code>	2679, 2689,	2483, 2503	
2737, 2745		<code>\ProvidesPackage</code>	2517, 4709,
<code>\persianttfamily</code>	2687, 2688,	4966, 5103	
2703, 2738		<code>\prq</code>	2567
<code>\persianyear</code>	5263	<code>\ptctitle</code>	1577
<code>\pictureCaptionFormat</code>	4061,		
4063			
<code>\plftitle</code>	1578		
<code>\plq</code>	2568		
<code>\plttitle</code>	1579		
<code>\pookdefault</code>	2682, 2698, 2779,		
2787			
<code>\pookfamily</code>	2696, 2697, 2706,		
2780			
<code>\postmath</code>	172		

Q	
<code>\question</code>	5089
<code>\questionsepspace</code>	5086, 5087,
5099	
<code>\questionspace</code> 4993, 4994, 5035	
<code>\questiontitle</code>	5081, 5100
<code>\questiontitlefont</code>	5083
<code>\questiontitlespace</code> 5084, 5085,	5095
R	
<code>\raggedFormat</code>	3902, 4550, 4624,
4670, 4695	



<code>\RaggedLeft</code>	3902	2459, 2484, 2504, 2505, 2506,
<code>\raisebox</code>	3948, 3953	2507, 2508, 2509, 2510, 2511,
<code>\refname</code>	92, 3228	2512, 2513, 2905, 3512, 3666,
<code>\refstepcounter</code>	5051, 5052	3678, 3690, 3914, 3921, 3923,
<code>\relax</code>	1484, 1676, 1708, 1843,	3925, 3932, 3939, 3940, 3941,
	1844, 1865, 1866, 1867, 1928,	3942, 3943, 3995, 3996, 3997,
	1938, 1962, 1968, 2012, 2042,	4008, 4009, 4010, 4101, 4206,
	2070, 2077, 2083, 2110, 2117,	4242, 4262, 4601, 4611, 4616,
	2128, 2283, 2396, 2430, 2460,	4982
	2481, 2486, 2571, 2589, 2842,	<code>\renewenvironment</code> . .
	2843, 2847, 2848, 2945, 2983,	1337, 5091
	2987, 3170, 3179, 3188, 3565,	<code>\repeat</code>
	3573, 3581, 3589, 3596, 3604,	2940, 5234, 5243
	3611, 3618, 3624, 3636, 3642,	<code>\RequirePackage</code>
	3648, 3652, 3656, 3662, 3675,	. . . . .
	3687, 3699, 3741, 3748, 3757,	. . . . .
	3758, 3785, 3789, 3795, 3796,	2519, 2520, 2521, 2522,
	3797, 3821, 3823, 3884, 4103,	3841, 3886, 3887, 3888, 3889,
	4124, 4125, 4130, 4131, 4132,	3890, 3891, 3893, 3895, 3897,
	4133, 4714, 4728, 4738, 4754,	3898, 3899, 3900, 3901, 4968,
	4787, 4789, 4799, 4807, 4815,	4969, 4970, 4971, 4972, 4973
	4823, 4831, 4843, 4925, 4959,	<code>\reserved@a</code> 1640, 1644, 1650, 1656,
	4963, 5133, 5134, 5136, 5141,	1659, 1662, 1665, 1668, 1671,
	5146, 5147, 5153, 5155, 5157,	1674
	5159, 5160, 5161, 5162, 5163,	<code>\reserved@b</code>
	5164, 5165, 5166, 5167, 5168,	1620, 1621
	5169, 5171, 5173, 5174, 5179,	<code>\reset@font</code>
	5180, 5187, 5189, 5192, 5196,	1311, 2000, 2089,
	5197, 5200, 5201, 5204, 5209,	2852, 2866, 2885, 2899
	5211, 5213, 5215, 5216, 5217,	<code>\resetlatinfont</code>
	5218, 5219, 5220, 5221, 5222,	84, 86,
	5223, 5224, 5225, 5226, 5228,	1289, 1290, 1330, 1332, 2837,
	5229, 5232, 5237, 5241, 5247,	2873, 2875, 2879, 2886, 2905,
	5249, 5250	3514
<code>\renewcommand</code>	9, 16, 24, 30, 31,	<code>\restore@mathversion</code>
	34, 39, 40, 45, 46, 51, 52, 57,	4771
	58, 86, 88, 94, 95, 99, 105,	<code>\restoreapp</code>
	106, 110, 116, 117, 124, 128,	36
	129, 1271, 1272, 1277, 1281,	<code>\rightfootnoterule</code>
	1282, 1289, 1290, 1291, 1293,	3629
	1294, 1330, 1332, 1334, 1401,	<code>\rightline</code>
	1564, 1566, 1567, 1568, 1569,	4605
	1957, 1974, 1985, 2358, 2359,	<code>\rl</code>
	2365, 2366, 2372, 2373, 2380,	1383, 2874, 2883
	2381, 2388, 2389, 2395, 2417,	<code>\RLE</code>
	2421, 2422, 2429, 2451, 2452,	2874
		<code>\rmdefault</code>
		2605, 2613, 2633
		<code>\Roman</code>
		1196, 2403, 2437, 2467
		<code>\roman</code>
		1195, 2404, 2438, 2468
		<code>\romannumeral</code>
		2412, 2446, 2476,
		5233, 5242, 5252
		<code>\RTL</code>
		2877
		<code>\RTLfoottextfont</code>
		1291
		<code>\rule</code> 3965, 4091, 4193, 4199, 4286,
		4318
		S
		<code>\sayehdefault</code>
		2683, 2701, 2800,
		2808



2989, 3001, 3002, 3003, 3004, 3005, 3018, 3019, 3020, 3021, 3022, 3035, 3036, 3037, 3038, 3039, 3046, 3052, 3058, 3064, 3070, 3076, 3082, 3096, 3097, 3112, 3113, 3127, 3128, 3143, 3144, 3158, 3160, 4149, 4150, 4635, 4958, 4962, 5233, 5242, 5252	
\the@choice	5003, 5025
\thebook	1567
\thechapter	20, 31, 103, 114, 121, 133, 1286, 1298, 1566, 1573, 2363, 2370, 2377, 2385, 2426, 2456
\theclass	1418, 1423
\theHchapter	1376, 1393
\theHsection	1375, 1391
\thempfn	1735
\thempfootnote	1735, 3511
\theoremautorefname	1369
\thepage	2002, 2019, 2049, 2091, 2902, 3991
\thepart	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1401, 1568, 2358, 2365, 2372, 2380, 2388, 2421, 2451
\thequestion	5024, 5064, 5100
\thesection	12, 34, 43, 49, 55, 61, 1275, 1404, 2392
\thirdarticle	4329, 4356, 4357, 4359
\thirdSubtitleFormat	4056, 4058
\thirdTextFormat	4059, 4060
\thirdTitleFormat	4047, 4052, 4053
\thispagestyle	4246, 4251
\thr@@	1762, 1781, 1782, 1796, 1817, 1818, 1844, 1856, 1857, 1885, 1912, 1913
\timestamp	4084, 4281, 4311, 4347
\timestampFormat	4083, 4085
\timestampSeparator	4082, 4087
\timestampTxt	4081, 4086
\tiny	3050, 3051, 3921
\title	4130
\TitleBarFrame	1339, 1341, 1343, 1345
\tl	2605, 2614, 2634, 2639, 2640, 2716, 2725, 2737, 2746, 2758, 2767, 2779, 2788, 2800, 2809, 2821, 2830, 4765, 4782, 4863, 4864, 4865, 4877, 4890
\tmp	4978
\today	2881, 2883, 4602
\topmargin	1318
\topsep	3088, 3096, 3104, 3112, 3119, 3127, 3134, 3143, 3148, 3158, 3161
\TPHorizModule	3962, 4187, 4286, 4318, 4369, 4416, 4417, 4440, 4441, 4464
\TPVertModule	4188
\true	5053
\truesymbol	5047
\tw@	1416, 1657, 1660, 1742, 1748, 1749, 1751, 1761, 1771, 1772, 1795, 1805, 1806, 1843, 1849, 1850, 1855, 1884, 1894, 1895, 2103, 2916, 2917, 2918, 2921, 2922, 2923
\twocolumnstableofcontents	3212
\typeout	2545, 2547, 4135
U	
\Umathchardef	4789
\Umathcode	4787
\undefined	1597, 4894, 4926, 4934, 4935, 4936, 4938, 4939, 4940, 4946, 4947, 4948, 4950, 4951, 4952
\unhbox	1719
\unpenalty	172
\unskip	169, 1873, 1874, 1875, 1960, 2023, 2054
\unvbox	1719
\use	2606, 2626, 2649, 2653, 2667, 2671, 2717, 2738, 2759, 2780, 2801, 2822
\use@mathgroup	4724
\usebox	4139



<code>\usecounter</code>	5037	<code>\x</code>	2574, 2579
V		<code>\xdef</code> 1377, 1395, 3801, 3803, 3807,	
<code>\value</code>	2486, 5007, 5023	3809, 3813, 3815, 4724, 5003,	
<code>\vbox</code>	1306, 1319, 1690, 1707, 1712,	5008, 5032, 5033, 5054, 5055,	
	1713, 1730, 1837, 1927, 1931,	5058, 5059	
	1937, 1941, 4678, 4704	<code>\XePersian</code>	1384, 3219, 4000
<code>\vcenter</code>	1716, 1717	<code>\xepersian</code>	2266, 2268
<code>\verbatim@addtoline</code>		<code>\xepersian@adadi</code>	3277, 3302
	.. 2192, 2207, 2218, 2225,	<code>\xepersian@adadi@tartibi</code> 3378,	
	2227, 2235, 2237, 2249, 2251	3403	
<code>\verbatim@finish</code>	2245	<code>\xepersian@baselineskip@scale</code>	
<code>\verbatim@processline</code>	2196,	.. 2839, 2845, 2857, 2861,	
	2209, 2229	2863, 2871, 3733, 3789	
<code>\verbatim@startline</code> 2185, 2197,		<code>\xepersian@fontsize@scale</code>	
	2210, 2230	.. 2838, 2840, 2856, 2860,	
<code>\version@elt</code>	4770	2862, 2870, 3721, 3785, 3796	
<code>\version@list</code>	4770	<code>\xepersian@latin@baselineskip@scale</code>	
<code>\vfil</code>	4105, 4121	.. 2847, 2857, 3737	
<code>\voidb@x</code>	150	<code>\xepersian@latin@fontsize@scale</code>	
<code>\vrb@catcodes</code>	2179	.. 2842, 2856, 3729	
<code>\vskip</code> 1318, 1320, 1321, 4106, 4109,		<code>\xepersian@math@fontsize@scale</code>	
	4111, 4117	.. 3717, 3794	
<code>\vspace</code> 4141, 4160, 4222, 4232, 4275,		<code>\xepersian@update@math@fontsize</code>	
	4279, 4302, 4305, 4309, 4316,	.. 3793, 3803, 3809, 3815	
	4334, 4338, 4342, 4351, 4410,	<code>\xepersian@A</code> 1412, 1428, 1442, 1444	
	4414, 4470, 4491, 4539, 4543,	<code>\xepersian@adadi</code>	3271, 3276
	4562, 4592, 4596, 4641, 4643,	<code>\xepersian@adadi@tartibi</code> 3372,	
	4653, 4656, 4681, 4683, 4703,	3377	
	4705, 5035, 5093, 5095	<code>\xepersian@cmds@temp</code> 2569, 2587	
<code>\vss</code>	1719	<code>\xepersian@coltitsize</code>	
<code>\vtop</code>	1714, 1715, 1836	.. 3843, 4566, 4567, 4568,	
W		4569, 4572, 4577, 4582, 4587	
<code>\weatherFormat</code>	3976, 3978	<code>\xepersian@computeautoilg</code> 2912,	
<code>\weatheritem</code>	4382, 4397, 4398,	3824	
	4400	<code>\xepersian@cx</code>	4170, 4175, 4192
<code>\weatherTempFormat</code>	3980, 4390	<code>\xepersian@cy</code>	4171, 4176, 4198
<code>\weatherUnits</code>	3981, 4392	<code>\XePersian@d</code>	5106, 5131, 5236,
<code>\whiledo</code>	5007	5255, 5257, 5260, 5265	
<code>\width</code>	1347, 2288, 2289	<code>\xepersian@D</code>	1409, 1430, 1431,
<code>\write</code>	2898, 3668, 3680, 3692	1432, 1433, 1437, 1438, 1439,	
<code>\writexviiifalse</code>	2592	1441, 1442	
<code>\writexviiitrue</code>	2590	<code>\xepersian@dahgan</code>	3335, 3356,
X		3439	
<code>\X</code>	4977	<code>\xepersian@dahgan@tartibi</code> 3437,	
		3445	
		<code>\XePersian@dn</code>	



... 5126, 5225, 5233, 5236,
 5239, 5243, 5255, 5257
 \xepersian@dx ... 4168, 4173, 4184,
 4187
 \xepersian@dy ... 4169, 4174, 4185,
 4188
 \xepersian@edition . 3950, 3954,
 3990, 4110, 4242
 \xepersian@editionLogo ... 3952,
 4220, 4238
 \xepersian@editorialTit . 4647,
 4666
 \xepersian@editorialTitle 4093,
 4652
 \xepersian@everyjob 2546, 2547
 \xepersian@firstText 4025, 4281
 \xepersian@firstTitle ... 4013,
 4276
 \xepersian@fmbox 4136, 4138, 4139
 \xepersian@footcenter ... 4002,
 4009, 4261
 \xepersian@footleft 4004, 4008,
 4260
 \xepersian@footright 3999, 4010,
 4259
 \xepersian@gridcolumns ... 3865,
 3867, 3906, 3910
 \xepersian@gridrows 3864, 3866,
 3906, 3910
 \xepersian@headcenter ... 3986,
 3996, 4258
 \xepersian@headDateTime . 3972,
 4226, 4240
 \xepersian@headleft 3983, 3995,
 4257
 \xepersian@headright 3989, 3997,
 4256
 \XePersian@i
 ... 5106, 5229, 5230, 5232,
 5233, 5234, 5237, 5241, 5242,
 5245, 5246, 5249, 5252, 5254
 \xepersian@ilg . 2909, 2913, 2917,
 2918, 2922, 2923, 2941
 \xepersian@imgsize . 3842, 4143,
 4144, 4146, 4155, 4156
 \xepersian@incolumnntitle 4553,
 4572, 4577, 4582, 4587
 \xepersian@indexEntry ... 3962,
 4489
 \xepersian@indexEntryPage 3968,
 4489
 \xepersian@indexFrameTitle ..
 3958, 4465
 \xepersian@indexwidth ... 3846,
 3965, 4464, 4468, 4469
 \xepersian@inexpandedtitle ..
 ... 4504, 4519, 4524, 4529,
 4534
 \xepersian@innerSubtitle 4080,
 4620
 \xepersian@innerTitle ... 4069,
 4619
 \XePersian@kabisehfalsh . 5176,
 5182
 \XePersian@kabisehtrue .. 5182
 \xepersian@kashida . 1415, 1437,
 1438, 1439, 1440, 1441, 1442,
 1443
 \xepersian@L ... 1410, 1434, 1438,
 1439, 1440, 1443, 1444
 \XePersian@latini .. 5107, 5153
 \XePersian@latinii . 5108, 5155,
 5157
 \XePersian@latiniii 5109, 5159
 \XePersian@latiniv . 5110, 5160
 \XePersian@latinix . 5115, 5165
 \XePersian@latinvi ... 5111, 5161
 \XePersian@latinvi . 5112, 5162
 \XePersian@latinvii 5113, 5163
 \XePersian@latinviii . 5114, 5164
 \XePersian@latinix .. 5116, 5166
 \XePersian@latinxi .. 5117, 5167
 \XePersian@latinxii 5118, 5168
 \XePersian@leapfalse 5138, 5142,
 5148
 \XePersian@leaptrue 5148, 5149
 \xepersian@localize@verbatim@
 2187, 2188,
 2190, 2198, 2211, 2220, 2231,
 2239, 2253
 \xepersian@localize@verbatim@
 2190, 2191



\xepersian@localize@verbatim@@@	\XePersian@persianix	5115, 5220
..... 2193, 2194	\XePersian@persianv	5111, 5216
\xepersian@localize@verbatim@@testend	\XePersian@persianvi	5112, 5217
..... 2233, 2243	\XePersian@persianvii	5113, 5218
\xepersian@localize@verbatim@rescan	\XePersian@persianviii	5114,
..... 2247, 2256	5219	
\xepersian@localize@verbatim@start	\XePersian@persianx	5116, 5221
. 2184, 2259, 2260, 2271	\XePersian@persianxi	5117, 5222
\xepersian@localize@verbatim@test	\XePersian@persianxii	5118, 5223
... 2202, 2204, 2205	\XePersian@persianxiii	5119,
\xepersian@localize@verbatim@testend	5224	
..... 2216, 2223	\xepersian@pictureCaption	4062,
\XePersian@m ... 5106, 5131, 5227,	4158, 4372	
5246, 5249, 5261, 5264	\xepersian@R	1411, 1429, 1441, 1443
\xepersian@milyoongan ... 3304,	\xepersian@sadgan	3308,
3315	3313, 3317, 3321, 3326, 3409,	
\xepersian@milyoongan@tartibi	3422	
..... 3405, 3416	\xepersian@sadgan@tartibi	3414,
\XePersian@mminusone	3418, 3427	
5228, 5230, 5234	\xepersian@say	4135, 4615, 4635,
\xepersian@ncol ... 4197, 4198	4638, 4640, 4664, 4690	
\xepersian@ncolumns	\xepersian@secondSubtitle	4038,
4549, 4616	4307	
\xepersian@nrow ... 4191, 4192	\xepersian@secondText	4042, 4311
\xepersian@numberoutofrange	\xepersian@secondTitle	4029,
... 3262, 3273, 3374	4303	
\xepersian@numberstring	\xepersian@section	3982, 3987,
3267	4611	
\xepersian@numberstring@tartibi	\xepersian@setlength	.....
..... 3365, 3368	.. 2950, 2993, 2995, 2996,	
\xepersian@PackageInfo	3010, 3012, 3013, 3027, 3029,	
4845	3030, 3086, 3088, 3102, 3104,	
\xepersian@pageleft	3117, 3119, 3132, 3134, 3148,	
4633, 4635, 4637	3194, 3196, 3198, 3209	
\xepersian@pageneed	\xepersian@shellescape	2589
4147, 4149, 4152, 4631, 4637	\xepersian@shortarticleItemTitle	
\xepersian@pages	..... 4100, 4704	
4333, 4618	\xepersian@shortarticleSubtitle	
\XePersian@persian@month	..... 4098, 4684	
5266	\xepersian@shortarticleTit	..
\XePersian@persiani	..... 4676, 4691	
5208, 5238, 5255	\xepersian@shortarticleTitle	.
\XePersian@persianii	..... 4096, 4680	
\XePersian@persianiii	\XePersian@sn	.....
5211, 5213	.. 5127, 5226, 5238, 5239,	
\XePersian@persianiv	5242, 5243, 5252, 5257	



`\xepersian@strutilg`
 .. 2910, 2913, 2928, 2929,
 2933, 2934, 2941, 2942, 2945,
 3825, 3828
`\xepersian@tartibi` . 3365, 3450
`\xepersian@tccl` . 2908, 2913, 2915,
 2916, 2917, 2918, 2921, 2922,
 2923, 2927, 2928, 2929, 2932,
 2933, 2934, 2939, 2940
`\XePersian@temp` 5121,
 5132, 5133, 5134, 5136, 5140,
 5141, 5142, 5145, 5146, 5147,
 5148, 5170, 5171, 5172, 5175,
 5176, 5178, 5181, 5182, 5186,
 5187, 5190, 5193, 5198, 5203,
 5205, 5206, 5208
`\xepersian@tempa`
 .. 3564, 3572, 3580, 3588,
 3595, 3603, 3610, 3617, 3623,
 3635, 3641, 3647, 3651, 3655,
 3661, 3674, 3686, 3698, 3740,
 3747
`\xepersian@tempb`
 .. 3564, 3565, 3572, 3573,
 3580, 3581, 3588, 3589, 3595,
 3596, 3603, 3604, 3610, 3611,
 3617, 3618, 3623, 3624, 3635,
 3636, 3641, 3642, 3647, 3648,
 3651, 3652, 3655, 3656, 3661,
 3662, 3674, 3675, 3686, 3687,
 3698, 3699, 3740, 3741, 3747,
 3748
`\XePersian@tempthree`
 ... 5123, 5184, 5185, 5186,
 5188, 5191, 5194, 5195, 5199,
 5202, 5203, 5204, 5205
`\XePersian@temptwo` 5122,
 5172, 5173, 5174, 5175, 5178,
 5179, 5180, 5181, 5188, 5189,
 5190, 5191, 5192, 5193, 5195,
 5196, 5197, 5198, 5199, 5200,
 5201, 5202
`\xepersian@thirdSubtitle` 4057,
 4340
`\xepersian@thirdText` 4060, 4347
`\xepersian@thirdTitle` ... 4048,
 4336
`\XePersian@thirtytwo` 5125, 5169,
 5176
`\xepersian@V` 1413, 1435
`\xepersian@weather` . 3977, 4412
`\xepersian@www` 3947, 4220
`\xepersian@wwwFormat` 3946, 3948
`\XePersian@y` ... 5106, 5131, 5132,
 5135, 5145, 5148, 5170, 5184,
 5247, 5250, 5261, 5263
`\xepersian@yekani` . 3308, 3336,
 3340, 3347, 3350, 3409
`\xepersian@yekanii` . 3259, 3321,
 3346, 3422
`\xepersian@yekaniiiii` 3317, 3349,
 3418
`\xepersian@yekaniv` 3328, 3352,
 3429
`\xepersian@yekanv` .. 3441, 3457
`\XePersian@yModHundred` .. 5124,
 5135, 5136, 5137, 5140, 5144
`\xepersian@zwj` .. 1407, 1415, 1416
`\xepersiandate` . 2516, 2517, 2533
`\xepersianInit` 3903, 4204
`\xepersianversion` .. 2515, 2517,
 2533, 2548
`\XeTeXcharclass` 1423
`\XeTeXcharglyph` 1416,
 2916, 2917, 2918, 2921, 2922,
 2923, 2927, 2928, 2929, 2932,
 2933, 2934
`\XeTeXglyphbounds` 1416,
 2916, 2917, 2918, 2921, 2922,
 2923, 2927, 2928, 2929, 2932,
 2933, 2934
`\XeTeXinterchartoks` 1437,
 1438, 1439, 1440, 1441, 1442,
 1443, 1444
`\xpg@warning` .. 3463, 3468, 3470

 Y
`\y` 2575, 2577, 2579
`\year` 5131

 Z
`\z` 2576, 2577



<p> \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, 2913, 2916, 2921, 2927, 2932, 2951, 2952, 2953, 2959, 2966, 2967, 2973, 2995, 3012, 3029, 3150, 3159, 3203, 3303, 3305, 3307, 3311, 3327, 3330, 3336, 3404, 3406, 3408, 3412, 3428, 3431, 3441, 3470, 3492, 3496, 3500, 3503, 5182 \z@skip 1315, 1316 \ziffer@check 4900, 4901 \ziffer@dccheck 4899, 4900 \ziffer@DotOri 4897, 4900 \ZifferAn 4895, 4898 \ZifferLeer 4900, 4926 </p>	<p> 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317 @ \ 1588 \ 1594 \ 1588, 1592 \ 1950, 2258 \ 2172 \ 1595, 1947, 1948 \ 1587 \ 1590 \ 1589, 1591 </p>
---	--

<p> \ 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 </p>	<p> @ \ .. 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, </p>
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8 Change History

v13.1		
General: Added implementation of the package.	0	
v13.2		
General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code>	123	
v13.5		
General: Fixed the extra space after Persian decimal separator. . . .	156	
v13.6		
General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	85	

