



The XePersian *Package*

Documentation for *version 20.5*

to my Master, Ferdowsi The Great

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

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

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

Copyright (c) 2008–2018 Vafa Khalighi

Permission is granted to distribute and/or modify *both the documentation and the code* under the conditions of the L^AT_EX Project Public License, either version 1.3c of this license or (at your option) any later version.

The XePersian *Package*

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

Documentation for [version 20.5](#)

Vafa Khalighi
persian-tex@tug.org

January 4, 2018

Contents

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

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



7.41	minitoc-xepersian.def	89	7.52	scrreprt-xepersian.def	107
7.42	latex-localise-misc-xepersian.def	89	7.53	soul-xepersian.def	108
7.43	natbib-xepersian.def	97	7.54	tkz-linknodes-xepersian.def . .	108
7.44	packages-localise-xepersian.def	101	7.55	tocloft-xepersian.def	108
7.45	parsidigits.map	104	7.56	xepersian.sty	109
7.46	rapport1-xepersian.def	105	7.57	xepersian-magazine.cls	137
7.47	rapport3-xepersian.def	105	7.58	xepersian-mathsdigitspec.sty . .	154
7.48	refrep-xepersian.def	105	7.59	xepersian-multiplechoice.sty . .	160
7.49	report-xepersian.def	106	7.60	xepersian-persiancal.sty	162
7.50	scrartcl-xepersian.def	106			
7.51	scrbook-xepersian.def	106	8	Change History	202



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--2018 Vafa Khalighi
*
* v20.5, 2018/01/04
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



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

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

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

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

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

For instance, consider the following minimal example:

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

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

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

See the xepersian package documentation for explanation.



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

1.5 \begin{document}

?
```

2.2 XePersian's Symbol

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

2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

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

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

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

2.4 Options of The Package

There are few options:

2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

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

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



2.4.2 extrafootnotefeatures Option

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

2.4.3 Kashida Option

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

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

`\KashidaOn` `\KashidaOff`

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

☞ `\KashidaOff` disables `Kashida`.

2.4.4 quickindex Option

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

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

2.4.5 quickindex-variant1 Option

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

2.4.6 quickindex-variant2 Option

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



2.4.7 localise Option

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

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

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

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

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

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

Table 1: The Equivalent \LaTeX and \TeX Commands

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

Continued on next page



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

Continued on next page



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

Continued on next page



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

Continued on next page



Command in T _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

Continued on next page



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

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>

Continued on next page



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 تاپايين صفحه</code>
<code>\frame</code>	<code>\فريم</code>
<code>\framebox</code>	<code>\كادر باخط</code>
<code>\frenchspacing</code>	<code>\فواصل يكنواخت لاتين</code>
<code>\frontmatter</code>	<code>\مطلب پيش</code>
<code>\futurelet</code>	<code>\بعد بگذار</code>
<code>\@gobble</code>	<code>\@خورخري صانه</code>
<code>\@gobbletwo</code>	<code>\@خورخري صانه دو</code>
<code>\@gobblefour</code>	<code>\@خورخري صانه چهار</code>
<code>\@gtempa</code>	<code>\@عاقبت آ</code>
<code>\@gtempb</code>	<code>\@عاقبت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعريف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شكن</code>
<code>\graphpaper</code>	<code>\كاغذگراف</code>
<code>\guillemotleft</code>	<code>\گيومه چپ</code>
<code>\guillemotright</code>	<code>\گيومه راست</code>
<code>\guilsinglleft</code>	<code>\گيومه تكي چپ</code>
<code>\guilsinglright</code>	<code>\گيومه تكي راست</code>
<code>\halign</code>	<code>\رديف ا</code>
<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعد ازسطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</code>

Continued on next page



Command in T_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 د</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>\هر دوا</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>\@گر کلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گر ترش دنی</code>
<code>\@ifnextchar</code>	<code>\@گر نویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گر سبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گر ستاره</code>
<code>\@ifundefined</code>	<code>\@گر تعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempswa</code>	<code>\گر@سواقت آ</code>

Continued on next page



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

Continued on next page



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>

Continued on next page



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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال بر راست</code>
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری@ضی</code>
<code>\multicolumn</code>	<code>\چند ستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چند ادغام</code>
<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربرد نام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\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>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



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

Continued on next page



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

Continued on next page



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

Continued on next page



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 مس</code>
<code>\supereject</code>	<code>\منتهای صفحه</code>
<code>\suppressfloats</code>	<code>\حذف مکان شناور</code>
<code>\@tempa</code>	<code>@موقت آ</code>

Continued on next page



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

Continued on next page



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 متنی
<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>\thisfancypage</code>	\این صفحه تجملی
<code>\thispagestyle</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>

Continued on next page



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

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

Continued on next page



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

Continued on next page



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

Continued on next page



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

Table 9: Persian Equivalent font feature options

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

2.5 A Sample Input T_EX File

```

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

```

2.6 Font Commands



2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setmathdigitfont [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.
- ☞ `\setmathdigitfont` 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

```
\setiranicfont [Options] {\font name}  
\iranicfamily \textiranic{\text}
```

2.6.6 Choosing Persian Navar Font

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

2.6.7 Choosing Persian Pook Font

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

2.6.8 Choosing Persian Sayeh Font

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

2.6.9 Choosing Latin Sans Font

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

2.6.10 Choosing Latin Mono Font

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



3 Latin and Persian Environment

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

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

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

3.1 `latinitems` and `parsiitems` environments

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

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

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

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

3.2 Short Latin and Persian Texts

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

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

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

3.3 Miscellaneous Commands

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

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



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

3.4 New Commands

`\Latincite`

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

3.5 Additional Counters

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

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

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



3.6 Things To Know About `\setmathdigitfont`, `\setmathsfdigitfont`, and `\setmathtttdigitfont`

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

☞ As we discussed before, `\setmathdigitfont` 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 `\setmathtttdigitfont` 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 `\setmathdigitfont`, `\setmathsfdigitfont`, and `\setmathtttdigitfont`, 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

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

5 Bilingual Captions

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



5.1 Support For Various Packages

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

5.1.1 Things You Should Know about Support For enumerate Package

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

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

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

These letters may be surrounded by any strings involving any other T_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 *<image>* and *<description>*. Notice that second argument is optional and it declares the image

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

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



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

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

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

```
\secondarticle
```

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

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

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

```
\thirdarticle
```

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

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

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

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

```
\indexitem
```

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

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

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



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

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

```
\weatheritem
```

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

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

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

6.1.4 Inside

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

6.1.5 The article environment

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

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

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

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




```
\authorandplace \timestamp
```

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

```
\image
```

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

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

```
\columnntitle \expandedtitle
```

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

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

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

6.1.6 The editorial environment

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



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

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

6.1.7 The shortarticle environment

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

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

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

6.1.8 Commands between articles

```
\articlesep \newsection
```

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

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

6.1.9 Customization

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



6.1.10 Front Page

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

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

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

```
\edition \editionformat
```

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

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

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

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

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

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

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



```
\pictureCaptionFormat \pagesFormat
```

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

6.1.11 Inside The Magazine

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

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

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

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

```
\innerTextFinalMark
```

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

```
\minraggedcols \raggedFormat
```

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

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



```
\heading \foot
```

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

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

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

6.1.12 Class Options

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

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

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

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

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

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

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



6.2.2 Usage

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

6.2.3 Loading The Package

You can load the package as usual by:

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

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

6.2.4 Creating Questions

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

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

6.2.5 The question Environment

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

```
\true \false
```

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

6.2.6 Question Numbers

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



6.2.7 The Form and the Mask

`\makeform \makemask`

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

To generate a form and a mask, use the macros `\makeform` and `\makemask`. xepersian-multiplechoice uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of 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@tempw\}
509 \eqcommand{    }\{ifcase\}

```



```

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

```



```

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

```



```

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

```



```

660 \eqcommand{      }{medmuskip}
661 \eqcommand{      }{medskip}
662 \eqcommand{      }{medskipamount}
663 \eqcommand{      }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{      }{MessageBreak}
666 \eqcommand{      }{minrowclearance}
667 \eqcommand{      }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{      }{moveleft}
670 \eqcommand{      }{moveright}
671 \eqcommand{      }{mskip}
672 \eqcommand{ @ }{m@th}
673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @}{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{      }{natural}
683 \eqcommand{      }{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{      }{qqquad}
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{      }\{setmathdigitfont\}
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@{f%
1190   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \sptoken\entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\entemp \let\@tempa\@enGroup \else
1200   \ifx \enum@\entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther

```



```

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

```

7.22 enumitem-xepersian.def

```

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

```

7.23 latex-localise-environments-xepersian.def

```

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

```



```

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

```

7.24 xepersian-localise-environments-xepersian.def

```

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

```

7.25 extarticle-xepersian.def

```

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

```

7.26 extbook-xepersian.def

```

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

```

7.27 extrafootnotefeatures-xepersian.def



```

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

```

7.28 extreport-xepersian.def

```

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

```

7.29 flowfram-xepersian.def

```

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

```

7.30 footnote-xepersian.def

```

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

```



```

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

```

7.31 framed-xepersian.def

```

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

```

7.32 glossaries-xepersian.def

```

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

```

7.33 hyperref-xepersian.def

```

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

```



```

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

```

7.34 imspc-xepersian.def

```

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

```

7.35 kashida-xepersian.def

```

1406 \ProvidesFile{kashida-xepersian.def}[2018/01/04 v0.6 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwj="200D % zero-width joiner
1408 \chardef\xepersian@kashidachar="0640 % kashida
1409
1410 \chardef\xepersian@D=10 % dual-joiner class
1411 \chardef\xepersian@L=11 % lam
1412 \chardef\xepersian@R=12 % right-joiner
1413 \chardef\xepersian@A=13 % alef
1414 \chardef\xepersian@H=14 % heh
1415 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1416 \newif\if@Kashida@on
1417 \newif\if@Kashida@XB@fix
1418 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%

```



```

1419 \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@kashidachar dep
1420
1421 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1422 \expandafter\dosetclass\charlist,\end}
1423 \def\dosetclass#1,#2\end{%
1424 \def\test{#1}\def\charlist{#2}%
1425 \ifx\test\empty\let\next\finishsetclass
1426 \else \XeTeXcharclass "\test = \theclass
1427 \let\next\dosetclass \fi
1428 \expandafter\next\charlist,,\end}
1429 \def\finishsetclass#1,,\end{}
1430
1431 \setclass \xepersian@A {0622,0623,0625,0627}
1432 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1433 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1434 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1435 %\setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1436 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0649,064A}
1437 \XeTeXcharclass "0647 \xepersian@H
1438 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1439 \setclass \xepersian@L {0644}
1440 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1441
1442 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@H \xepersian@D = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1444 \XeTeXinterchartoks \xepersian@D \xepersian@H = {\xepersian@kashida}
1445 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1446 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1447 \XeTeXinterchartoks \xepersian@L \xepersian@H = {\xepersian@kashida}
1448 \XeTeXinterchartoks \xepersian@H \xepersian@L = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1449 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1450 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1451 \XeTeXinterchartoks \xepersian@H \xepersian@R = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1452 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1453 \XeTeXinterchartoks \xepersian@H \xepersian@A = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1454 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1455 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1456
1457 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1458 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1459
1460 \newcommand{\KashidaXBfixOn}{\@Kashida@XB@fixtrue}
1461 \newcommand{\KashidaXBfixOff}{\@Kashida@XB@fixfalse}
1462 \KashidaOn

```

7.36 listings-xepersian.def

```

1463 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1464 \def\lstlistingname{\if@RTL \else \Listing\fi}
1465 \def\lstlistlistingname{\if@RTL \else \Listings\fi}

```



7.37 loadingorder-xepersian.def

```
1466 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1467 \bidi@isloaded{algorithmic}
1468 \bidi@isloaded{algorithm}
1469 \bidi@isloaded{backref}
1470 \bidi@isloaded{enumerate}
1471 \bidi@isloaded{enumitem}
1472 \bidi@isloaded{tocloft}
1473 \bidi@isloaded{url}
1474 \AtBeginDocument{
1475   \if@bidi@algorithmicloaded@else
1476     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1477   \fi%
1478   \if@bidi@algorithmloaded@else
1479     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xep
1480   \fi%
1481   \if@bidi@backrefloaded@else
1482     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepers
1483   \fi%
1484   \if@bidi@enumerateloaded@else
1485     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xep
1486   \fi%
1487   \if@bidi@enumitemloaded@else
1488     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepers
1489   \fi%
1490   \if@bidi@tocloftloaded@else
1491     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepers
1492   \fi%
1493   \if@bidi@urlloaded@else
1494     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
1495   \fi%
1496 }
```

7.38 localise-xepersian.def

```
1497 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1498 \newcommand{\makezwnjletter}{\catcode`\relax}
1499 \makezwnjletter
1500 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}
1501 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1502 \@ifpackageloaded{keyval}{%
1503 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1504   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1505   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1506 }{\@ifpackageloaded{xkeyval}{%
1507 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1508   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1509   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1510 }{}}
1511 \input{latex-localise-commands-xepersian.def}
```




```

1512 \input{xepersian-localise-commands-xepersian.def}
1513 \input{latex-localise-environments-xepersian.def}
1514 \input{xepersian-localise-environments-xepersian.def}
1515 \input{latex-localise-messages-xepersian.def}
1516 \input{latex-localise-misc-xepersian.def}
1517 \input{packages-localise-xepersian.def}
1518 \aliasfontfeature{ExternalLocation}{ }
1519 \aliasfontfeature{ExternalLocation}{ }
1520 \aliasfontfeature{Renderer}{ }
1521 \aliasfontfeature{BoldFont}{ }
1522 \aliasfontfeature{Language}{ }
1523 \aliasfontfeature{Script}{ }
1524 \aliasfontfeature{UprightFont}{ }
1525 \aliasfontfeature{ItalicFont}{ }
1526 \aliasfontfeature{BoldItalicFont}{ }
1527 \aliasfontfeature{SlantedFont}{ }
1528 \aliasfontfeature{BoldSlantedFont}{ }
1529 \aliasfontfeature{SmallCapsFont}{ }
1530 \aliasfontfeature{UprightFeatures}{ }
1531 \aliasfontfeature{BoldFeatures}{ }
1532 \aliasfontfeature{ItalicFeatures}{ }
1533 \aliasfontfeature{BoldItalicFeatures}{ }
1534 \aliasfontfeature{SlantedFeatures}{ }
1535 \aliasfontfeature{BoldSlantedFeatures}{ }
1536 \aliasfontfeature{SmallCapsFeatures}{ }
1537 \aliasfontfeature{SizeFeatures}{ }
1538 \aliasfontfeature{Scale}{ }
1539 \aliasfontfeature{WordSpace}{ }
1540 \aliasfontfeature{PunctuationSpace}{ }
1541 \aliasfontfeature{FontAdjustment}{ }
1542 \aliasfontfeature{LetterSpace}{ }
1543 \aliasfontfeature{HyphenChar}{ }
1544 \aliasfontfeature{Color}{ }
1545 \aliasfontfeature{Opacity}{ }
1546 \aliasfontfeature{Mapping}{ }
1547 \aliasfontfeature{Weight}{ }
1548 \aliasfontfeature{Width}{ }
1549 \aliasfontfeature{OpticalSize}{ }
1550 \aliasfontfeature{FakeSlant}{ }
1551 \aliasfontfeature{FakeStretch}{ }
1552 \aliasfontfeature{FakeBold}{ }
1553 \aliasfontfeature{AutoFakeSlant}{ }
1554 \aliasfontfeature{AutoFakeBold}{ }
1555 \aliasfontfeature{Ligatures}{ }
1556 \aliasfontfeature{Alternate}{ }
1557 \aliasfontfeature{Variant}{ }
1558 \aliasfontfeature{Variant}{ }
1559 \aliasfontfeature{CharacterVariant}{ }
1560 \aliasfontfeature{Style}{ }
1561 \aliasfontfeature{Annotation}{ }

```



```

1562 \aliasfontfeature{RawFeature}{      }
1563 \aliasfontfeature{CharacterWidth}{    }
1564 \aliasfontfeature{Numbers}{          }
1565 \aliasfontfeature{Contextuals}{      }
1566 \aliasfontfeature{Diacritics}{       }
1567 \aliasfontfeature{Letters}{          }
1568 \aliasfontfeature{Kerning}{          }
1569 \aliasfontfeature{VerticalPosition}{  }
1570 \aliasfontfeature{Fractions}{        }
1571 \aliasfontfeatureoption{Language}{Default}{  }
1572 \aliasfontfeatureoption{Language}{Parsi}{    }
1573 \aliasfontfeatureoption{Script}{Parsi}{      }
1574 \aliasfontfeatureoption{Script}{Latin}{      }
1575 \aliasfontfeatureoption{Style}{MathScript}{  }
1576 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

7.39 memoir-xepersian.def

```

1577 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1578 \renewcommand{\@memfront}{%
1579   \@smemfront\pagenumbering{harfi}}
1580 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1581 \renewcommand*{\thebook}{\@tartibi\c@book}
1582 \renewcommand*{\thepart}{\@tartibi\c@part}
1583 \renewcommand{\appendix}{\par
1584   \setcounter{chapter}{0}%
1585   \setcounter{section}{0}%
1586   \gdef\@chapapp{\appendixname}%
1587   \gdef\thechapter{\@harfi\c@chapter}%
1588   \anappendixtrue}

```

7.40 latex-localise-messages-xepersian.def

```

1589 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.41 minitoc-xepersian.def

```

1590 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1591 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1592 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1593 \def\plttitle{\if@RTL else\ List of Tables\fi}%
1594 \def\mtctitle{\if@RTL else\ Contents\fi}%
1595 \def\mlftitle{\if@RTL else\ Figures\fi}%
1596 \def\mlttitle{\if@RTL else\ Tables\fi}%
1597 \def\stctitle{\if@RTL else\ Contents\fi}%
1598 \def\slftitle{\if@RTL else\ Figures\fi}%
1599 \def\slttitle{\if@RTL else\ Tables\fi}%

```

7.42 latex-localise-misc-xepersian.def

```

1600 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1601 %}1# \ \
1602 \@ \ @ \ \

```



```

1603      \1# \
1604      \1# @\
1605      \1# @\
1606 {\@ \ \
1607 \%}2#1# @\ \
1608 %1# \ @\ \ \ \
1609      \2# \ @\ \
1610 {{2#1# \}}
1611 undefined\ \ \
1612
1613 \%{ \ \ \ \1#} \ \} \1# \ \
1614      \ { \ \ \
1615 \ \ \
1616
1617
1618 \ \ \ \%} \#1
1619 \1#} \ \ \% \
1620      \ \ \
1621      }%
1622 \
1623 \ \ \
1624 }
1625 \= \ \
1626
1627
1628 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1629 \def\@xfloat #1[#2]{%
1630 \nodocument
1631 \def \@captive {#1}%
1632 \def \@fps {#2}%
1633 \@onelevel@sanitize \@fps
1634 \def \reserved@a {!}%
1635 \ifx \reserved@a \@fps
1636 \@fpsadddefault
1637 \else
1638 \ifx \@fps \@empty
1639 \@fpsadddefault
1640 \fi
1641 \fi
1642 \ifhmode
1643 \@bsphack
1644 \@floatpenalty -\@Mii
1645 \else
1646 \@floatpenalty-\@Miii
1647 \fi
1648 \ifinner
1649 \@parmoderr\@floatpenalty\z@
1650 \else
1651 \@next\@currbox\@freelist
1652 {%

```



```

1653 \@tempcnta \sixt@@n
1654 \expandafter \@tfor \expandafter \reserved@a
1655 \expandafter :\expandafter =\@fps
1656 \do
1657 {%
1658 \if \reserved@a h%
1659 \ifodd \@tempcnta
1660 \else
1661 \advance \@tempcnta \@ne
1662 \fi
1663 \fi
1664 \if \reserved@a %
1665 \ifodd \@tempcnta
1666 \else
1667 \advance \@tempcnta \@ne
1668 \fi
1669 \fi
1670 \if \reserved@a t%
1671 \@setfpsbit \tw@
1672 \fi
1673 \if \reserved@a %
1674 \@setfpsbit \tw@
1675 \fi
1676 \if \reserved@a b%
1677 \@setfpsbit 4%
1678 \fi
1679 \if \reserved@a %
1680 \@setfpsbit 4%
1681 \fi
1682 \if \reserved@a p%
1683 \@setfpsbit 8%
1684 \fi
1685 \if \reserved@a %
1686 \@setfpsbit 8%
1687 \fi
1688 \if \reserved@a !%
1689 \ifnum \@tempcnta>15
1690 \advance\@tempcnta -\sixt@@n\relax
1691 \fi
1692 \fi
1693 }%
1694 \@tempcntb \csname ftype@\@capttype \endcsname
1695 \multiply \@tempcntb \@xxxii
1696 \advance \@tempcnta \@tempcntb
1697 \global \count\@currbox \@tempcnta
1698 }%
1699 \@fltovf
1700 \fi
1701 \global \setbox\@currbox
1702 \color@vbox

```



```

1703      \normalcolor
1704      \vbox \bgroup
1705          \hsize\columnwidth
1706          \@parboxrestore
1707          \@floatboxreset
1708 }
1709 \let\bm@ \bm@c
1710 \let\bm@ \bm@l
1711 \let\bm@ \bm@r
1712 \let\bm@ \bm@b
1713 \let\bm@ \bm@t
1714 \let\bm@ \bm@s
1715 \long\def\@iiparbox#1#2[#3]#4#5{%
1716     \leavevmode
1717     \@pboxswfalse
1718     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1719     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
1720     \setlength\@tempdima{#4}%
1721     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1722     \ifx\relax#2\else
1723         \setlength\@tempdimb{#2}%
1724         \edef\@parboxto{to\the\@tempdimb}%
1725     \fi
1726     \if#1b\vbox
1727     \else\if#1\vbox
1728     \else\if #1t\top
1729     \else\if vtop\ #1
1730     \else\ifmmode\vcenter
1731     \else\@pboxswtrue $\vcenter
1732     \fi\fi\fi\fi\fi
1733     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1734         \csname bm@#3\endcsname}%
1735     \if@pboxsw \m@th$\fi
1736     \@end@tempboxa}
1737 \def\@iiiminipage#1#2[#3]#4{%
1738     \leavevmode
1739     \@pboxswfalse
1740     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1741     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
1742     \setlength\@tempdima{#4}%
1743     \def\@mpargs{{#1}{#2}[#3]{#4}}%
1744     \setbox\@tempboxa\vbox\bgroup
1745         \color@begingroup
1746         \hsize\@tempdima
1747         \textwidth\hsize \columnwidth\hsize
1748         \@parboxrestore
1749         \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1750         \let\@footnotetext\@mpfootnotetext
1751         \let\@LTRfootnotetext\@mpLTRfootnotetext
1752         \let\@RTLfootnotetext\@mpRTLfootnotetext

```



```

1753 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1754 \@minipagerestore
1755 \setminipage}
1756 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1757 \ifnum \@lastchclass=3 5 \else
1758 \z@ \if #1c\@chnum \z@ \else
1759 \if chnum@\ #1 \z@ \else
1760 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1761 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1762 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1763 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1764 \@chclass \if #1|\@ne \else
1765 \if #1@\tw@ \else
1766 \if #1p3 \else
1767 \if 3 #1 \else \z@ \@preamerr 0\fi
1768 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1769 \fi}%
1770 }{}
1771 \@ifdefinitionfileloaded{array-xetex-bidi}{%
1772 \def\@testpach{\@chclass
1773 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1774 \ifnum \@lastchclass=7 5 \else
1775 \ifnum \@lastchclass=8 \tw@ \else
1776 \ifnum \@lastchclass=9 \thr@@
1777 \else \z@
1778 \ifnum \@lastchclass = 10 \else
1779 \edef\@nextchar{\expandafter\string\@nextchar}%
1780 \@chnum
1781 \if \@nextchar c\z@ \else
1782 \if \@nextchar @z\ \else
1783 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1784 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1785 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1786 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1787 \z@ \@chclass
1788 \if \@nextchar |\@ne \else
1789 \if \@nextchar !6 \else
1790 \if \@nextchar @7 \else
1791 \if \@nextchar <8 \else
1792 \if \@nextchar >9 \else
1793 10
1794 \@chnum
1795 \if \@nextchar m\thr@@\else
1796 \if \@nextchar thr@@\else\
1797 \if \@nextchar p4 \else
1798 \if \@nextchar 4 \else
1799 \if \@nextchar b5 \else
1800 \if \@nextchar 5 \else
1801 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1802 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%

```



```

1803 }{}
1804 \@ifdefinitionfileloaded{arydshln-xetex-bidi}{
1805 \ifadl@usingarypkg
1806 \def\@testpach{\@chclass
1807 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1808 \ifnum \@lastchclass=7 5 \else
1809 \ifnum \@lastchclass=8 \tw@ \else
1810 \ifnum \@lastchclass=9 \thr@@
1811 \else \z@
1812 \ifnum \@lastchclass = 10 \else
1813 \edef\@nextchar{\expandafter\string\@nextchar}%
1814 \@chnum
1815 \if \@nextchar c\z@ \else
1816 \if \@nextchar @\z@ \else
1817 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1818 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1819 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1820 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1821 \z@ \@chclass
1822 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1823 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1824 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1825 \if \@nextchar !6 \else
1826 \if \@nextchar @7 \else
1827 \if \@nextchar <8 \else
1828 \if \@nextchar >9 \else
1829 10
1830 \@chnum
1831 \if \@nextchar m\thr@@\else
1832 \if \@nextchar thr@@\else\
1833 \if \@nextchar p4 \else
1834 \if \@nextchar 4 \else
1835 \if \@nextchar b5 \else
1836 \if \@nextchar 5 \else
1837 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1838 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1839
1840 \def\@classz{\@classx
1841 \@tempcnta \count@
1842 \prepnext@tok
1843 \@addtopreamble{\ifcase \@chnum
1844 \hfil
1845 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1846 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1847 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
1848 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1849 \adl@endmbox\or
1850 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1851 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1852 \fi}\prepnext@tok}

```



```

1853 \def\adl@class@start{4}
1854 \def\adl@class@iiiorvii{7}
1855
1856 \else
1857 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1858     \ifnum \@lastchclass=\thr@@ 5\relax \else
1859     \z@ \if #1c\@chnum \z@ \else
1860     \if @chnum\z@\ #1 \else
1861     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1862     \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1863     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1864     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1865     \@chclass
1866     \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1867     \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1868     \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1869     \if #1@\tw@ \else
1870     \if #1p\thr@@ \else
1871     \if @thr\ #1 \else\z@ \@preamerr 0\fi
1872     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1873
1874 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1875     \or \or \@addamp \or
1876     \@acolampacol \or \@firstampfalse \@acol \fi
1877     \edef\@preamble{\@preamble
1878     \ifcase \@chnum
1879         \hfil\adl@putlrc{$\relax\@sharp$}\hfil
1880         \or \adl@putlrc{$\relax\@sharp$}\hfil
1881         \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
1882 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1883     \or \or \@addamp \or
1884     \@acolampacol \or \@firstampfalse \@acol \fi
1885     \edef\@preamble{\@preamble
1886     \ifcase \@chnum
1887         \hfil\adl@putlrc{\@sharp\unskip}\hfil
1888         \or \adl@putlrc{\@sharp\unskip}\hfil
1889         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1890 \def\adl@class@start{6}
1891 \def\adl@class@iiiorvii{3}
1892 \fi
1893 }{}
1894 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1895 \def\@testpach{\@chclass
1896 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1897 \ifnum \@lastchclass=7 5 \else
1898 \ifnum \@lastchclass=8 \tw@ \else
1899 \ifnum \@lastchclass=9 \thr@@
1900 \else \z@
1901 \ifnum \@lastchclass = 10 \else
1902 \edef\@nextchar{\expandafter\string\@nextchar}%

```



[illegible]

```

1953 \ifstylefalse\else\ifstyletrue\fi
1954 \setbox\@currbox\color\@vbox\normalcolor
1955 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1956 \floatboxreset \setnobreak
1957 \ignorespaces}
1958 }{}
1959 \begingroup \catcode `|=0 \catcode `[= 1
1960 \catcode `]=2 \catcode `{\=12 \catcode `}=12
1961 \catcode `\\=12 \gdef\@x@xepersian@localize@verbatim#1[[ ] |1#]{ }
1962 \gdef\@sx@xepersian@localize@verbatim#1[[* ] |1#]{* }
1963 \endgroup
1964 \def\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
1965 \def\end \if@newlist \leavevmode\fi\endtrivlist}
1966 \ExplSyntaxOn
1967 \AtBeginDocument{\@namedef{ }*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian}
1968 \ExplSyntaxOff
1969 \expandafter\let\csname end * \endcsname =\end

```

7.43 natbib-xepersian.def

```

1970 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1971 \renewcommand\NAT@set@cites{%
1972 \ifNAT@numbers
1973 \ifNAT@super \let\@cite\NAT@citesuper
1974 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1975 \let\citeyearpar=\citeyear
1976 \let\NAT@space\relax
1977 \def\NAT@super@kern{\kern\p}%
1978 \else
1979 \let\NAT@mbox=\mbox
1980 \let\@cite\NAT@citenum
1981 \let\NAT@space\NAT@spacechar
1982 \let\NAT@super@kern\relax
1983 \fi
1984 \let\@citex\NAT@citexnum
1985 \let\@Latincitex\NAT@Latin@citexnum
1986 \let\@biblabel\NAT@biblabelnum
1987 \let\@bibsetup\NAT@bibsetnum
1988 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1989 \def\natexlab##1{}%
1990 \def\NAT@penalty{\penalty\@m}%
1991 \else
1992 \let\@cite\NAT@cite
1993 \let\@citex\NAT@citex
1994 \let\@Latincitex\NAT@Latin@citex
1995 \let\@biblabel\NAT@biblabel
1996 \let\@bibsetup\NAT@bibsetup
1997 \let\NAT@space\NAT@spacechar
1998 \let\NAT@penalty\@empty
1999 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%

```



```

2000   \def\natexlab##1{##1}%
2001   \fi}
2002 \newcommand\NAT@Latin@citex{}
2003 \def\NAT@Latin@citex%
2004   [#1] [#2] #3{%
2005   \NAT@reset@parser
2006   \NAT@sort@cites{#3}%
2007   \NAT@reset@citea
2008   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2009   \@for\@citeb:=\NAT@cite@list\do
2010   {\@safe@activestrue
2011   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2012   \@safe@activesfalse
2013   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2014     {\reset@font\bfseries ?}\NAT@citeundefined
2015       \PackageWarning{natbib}%
2016       {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2017   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2018   \NAT@parse{\@citeb}%
2019   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2020     \let\NAT@name=\NAT@all@names
2021     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2022   \fi
2023   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2024     \let\NAT@nm\NAT@name\fi
2025   \ifNAT@swa\ifcase\NAT@ctype
2026     \if\relax\NAT@date\relax
2027       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2028     \else
2029       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2030         \ifx\NAT@last@yr\NAT@year
2031           \def\NAT@temp{?}%
2032           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2033             {Multiple citation on page \thepage: same authors and
2034             year\MessageBreak without distinguishing extra
2035             letter,\MessageBreak appears as question mark}\fi
2036           \NAT@hyper@{\NAT@exlab}%
2037         \else\unskip\NAT@spacechar
2038           \NAT@hyper@{\NAT@date}%
2039         \fi
2040       \else
2041         \@citea\NAT@hyper@{%
2042           \NAT@nmfmt{\NAT@nm}%
2043           \hyper@natlinkbreak{%
2044             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2045           }%
2046           \NAT@date
2047         }%
2048       \fi
2049     \fi

```



```

2050 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2051 \or\@citea\NAT@hyper@{\NAT@date}%
2052 \or\@citea\NAT@hyper@{\NAT@alias}%
2053 \fi \NAT@def@citea
2054 \else
2055 \ifcase\NAT@ctype
2056 \if\relax\NAT@date\relax
2057 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2058 \else
2059 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2060 \ifx\NAT@last@yr\NAT@year
2061 \def\NAT@temp{{?}}%
2062 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2063 {Multiple citation on page \thepage: same authors and
2064 year\MessageBreak without distinguishing extra
2065 letter,\MessageBreak appears as question mark}\fi
2066 \NAT@hyper@{\NAT@exlab}%
2067 \else
2068 \unskip\NAT@spacechar
2069 \NAT@hyper@{\NAT@date}%
2070 \fi
2071 \else
2072 \@citea\NAT@hyper@{%
2073 \NAT@nmfmt{\NAT@nm}%
2074 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2075 {\@citeb\@extra@b@citeb}%
2076 \NAT@date
2077 }%
2078 \fi
2079 \fi
2080 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2081 \or\@citea\NAT@hyper@{\NAT@date}%
2082 \or\@citea\NAT@hyper@{\NAT@alias}%
2083 \fi
2084 \if\relax\NAT@date\relax
2085 \NAT@def@citea
2086 \else
2087 \NAT@def@citea@close
2088 \fi
2089 \fi
2090 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2091 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2092 \newcommand\NAT@Latin@citexnum{}
2093 \def\NAT@Latin@citexnum[#1][#2]#3{%
2094 \NAT@reset@parser
2095 \NAT@sort@cites{#3}%
2096 \NAT@reset@citea
2097 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2098 \@for\@citeb:=\NAT@cite@list\do
2099 {\@safe@activestrue

```



```

2100 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2101 \@safe@activesfalse
2102 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2103   {\reset@font\bfseries?}
2104   \NAT@citeundefined\PackageWarning{natbib}%
2105   {Citation `@\@citeb' on page \thepage \space undefined}}%
2106 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2107   \NAT@parse{\@citeb}%
2108   \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2109     \let\NAT@name=\NAT@all@names
2110     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2111   \fi
2112   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2113     \let\NAT@nm\NAT@name\fi
2114   \ifNAT@swa
2115     \@ifnum{\NAT@ctype>\@ne}{%
2116       \citea
2117       \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2118     }{%
2119       \@ifnum{\NAT@cmprs>\z@}{%
2120         \NAT@ifcat@num\NAT@num
2121         {\let\NAT@nm=\NAT@num}%
2122         {\def\NAT@nm{-2}}%
2123         \NAT@ifcat@num\NAT@last@num
2124         {\@tempcnta=\NAT@last@num\relax}%
2125         {\@tempcnta\m@ne}%
2126         \@ifnum{\NAT@nm=\@tempcnta}{%
2127           \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2128         }{%
2129           \advance\@tempcnta by\@ne
2130           \@ifnum{\NAT@nm=\@tempcnta}{%
2131             \ifx\NAT@last@yr\relax
2132               \def\NAT@last@yr{\@citea}%
2133             \else
2134               \def\NAT@last@yr{--\NAT@penalty}%
2135             \fi
2136           }{%
2137             \NAT@last@yr@mbbox
2138           }%
2139         }%
2140       }{%
2141         \@tempswatrue
2142         \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2143         \if@tempswa\NAT@citea@mbbox\fi
2144       }%
2145     }%
2146     \NAT@def@citea
2147   \else
2148     \ifcase\NAT@ctype
2149       \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else

```



```

2150         \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2151         \fi
2152         \if*#1*\else#1\NAT@spacechar\fi
2153         \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2154         \NAT@def@citea@box
2155     \or
2156         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2157     \or
2158         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2159     \or
2160         \NAT@hyper@citea@space\NAT@alias
2161     \fi
2162 \fi
2163 }%
2164 }%
2165 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2166 \ifNAT@swa\else
2167     \@ifnum{\NAT@ctype=\z@}{%
2168         \if*#2*\else\NAT@cmt#2\fi
2169     }{%
2170         \NAT@mbox{\NAT@@close}%
2171     \fi
2172 }}{#1}{#2}%
2173 }%
2174 \AtBeginDocument{\NAT@set@cites}
2175 \DeclareRobustCommand\Latincite
2176     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2177     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2178 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2179     \ifNAT@numbers\else
2180     \NAT@swafalse
2181     \fi
2182     \NAT@@Latin@@citetp[]}}
2183 \newcommand\NAT@@Latin@@citetp{}
2184 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.44 packages-localise-xepersian.def

```

2185 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2186 color} \}{color} @\-localise-xepersian.def}}{}
2187 \ifpackageloaded{multicol}{%
2188 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2189 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2190 }{}
2191 \ifpackageloaded{verbatim}{%
2192 \begingroup
2193 \vrb@catcodes
2194 \lccode`!=`\\ \lccode`\[=`{\ \lccode`]=`~}
2195 \catcode`~=\active \lccode`~=`^^M
2196 \lccode`C=`\C

```



```

2197 \lowercase{\endgroup
2198 \def\xepersian@localize@verbatim@start#1{%
2199 \verbatim@startline
2200 \if\noexpand#1\noexpand~%
2201 \let\next\xepersian@localize@verbatim@
2202 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2203 \next}%
2204 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2205 \def\xepersian@localize@verbatim@@#1! {%
2206 \verbatim@addtoline{#1}%
2207 \futurelet\next\xepersian@localize@verbatim@@@}%
2208 \def\xepersian@localize@verbatim@@@#1\@nil{%
2209 \ifx\next\@nil
2210 \verbatim@processline
2211 \verbatim@startline
2212 \let\next\xepersian@localize@verbatim@
2213 \else
2214 \def\@tempa##1! \@nil{##1}%
2215 \@temptokena{! }%
2216 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2217 \fi \next}%
2218 \def\xepersian@localize@verbatim@test#1{%
2219 \let\next\xepersian@localize@verbatim@test
2220 \if\noexpand#1\noexpand~%
2221 \expandafter\verbatim@addtoline
2222 \expandafter{\the\@temptokena}%
2223 \verbatim@processline
2224 \verbatim@startline
2225 \let\next\xepersian@localize@verbatim@
2226 \else \if\noexpand#1
2227 \@temptokena\expandafter{\the\@temptokena#1}%
2228 \else \if\noexpand#1\noexpand[%
2229 \let\@tempc\@empty
2230 \let\next\xepersian@localize@verbatim@testend
2231 \else
2232 \expandafter\verbatim@addtoline
2233 \expandafter{\the\@temptokena}%
2234 \def\next{\xepersian@localize@verbatim@#1}%
2235 \fi\fi\fi
2236 \next}%
2237 \def\xepersian@localize@verbatim@testend#1{%
2238 \if\noexpand#1\noexpand~%
2239 \expandafter\verbatim@addtoline
2240 \expandafter{\the\@temptokena[]}%
2241 \expandafter\verbatim@addtoline
2242 \expandafter{\@tempc}%
2243 \verbatim@processline
2244 \verbatim@startline
2245 \let\next\xepersian@localize@verbatim@
2246 \else\if\noexpand#1\noexpand[%

```



```

2247         \let\next\xepersian@localize@verbatim@@testend
2248     \else\if\noexpand#1\noexpand!%
2249         \expandafter\verbatim@addtoline
2250         \expandafter{\the\@temptokena[]}%
2251     \expandafter\verbatim@addtoline
2252     \expandafter{\@tempc}%
2253     \def\next{\xepersian@localize@verbatim@!}%
2254     \else \expandafter\def\expandafter\@tempc\expandafter
2255     {\@tempc#1}\fi\fi\fi
2256     \next}%
2257 \def\xepersian@localize@verbatim@@testend{%
2258     \ifx\@tempc\@currentvir
2259     \verbatim@finish
2260     \edef\next{\noexpand\end{\@currentvir}%
2261         \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}}%
2262     \else
2263     \expandafter\verbatim@addtoline
2264     \expandafter{\the\@temptokena[]}%
2265     \expandafter\verbatim@addtoline
2266     \expandafter{\@tempc}}%
2267     \let\next\xepersian@localize@verbatim@
2268     \fi
2269     \next}%
2270 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2271     \warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2272 \def\
2273     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2274     \xepersian@localize@verbatim@start}
2275 \namedef{
2276     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2277 \def\end
2278     {\endtrivlist\endgroup\@doendpe}
2279 \expandafter\let\csname end
2280     *\endcsname =\end
2281 }{}
2282 \ExplSyntaxOn
2283 \AtBeginDocument{
2284     \xepersian_localize_patch_verbatim:
2285 }
2286 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2287     \@ifpackageloaded{verbatim}{
2288         \cs_set:cpn {*
2289             } }
2290         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2291     }
2292     }{
2293     }
2294 }
2295 \ExplSyntaxOff
2296 \@ifpackageloaded{graphicx}{%
2297 \def\Gin@boolkey#1#2{%
2298     \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2299     \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2300     \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2301     \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%

```




```

2297 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2298 \define@key{Grot}{origin}[c]{%
2299 \@tfor\@tempa:=#1\do{%
2300 \if l\@tempa \Grot@x\z@ \else
2301 \if tempa@ \Grot@x\z@ \else
2302 \if r\@tempa \Grot@x\width \else
2303 \if tempa@ \Grot@x\width \else
2304 \if t\@tempa \Grot@y\height \else
2305 \if tempa@ \Grot@y\height \else
2306 \if b\@tempa \Grot@y-\depth \else
2307 \if tempa@ \Grot@y-\depth \else
2308 \if B\@tempa \Grot@y\z@ \else
2309 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2310 {draft}{ }{Gin} @ \
2311 {origin}{ }{Gin} @ \
2312 {origin}{ }{Grot} @ \
2313 {clip}{ }{Gin} @ \
2314 {keepaspectratio}{ }{Gin} @ \
2315 {natwidth}{ }{Gin} @ \
2316 {natheight}{ }{Gin} @ \
2317 {bb}{ }{Gin} @ \
2318 {viewport}{ }{Gin} @ \
2319 {trim}{ }{Gin} @ \
2320 {angle}{ }{Gin} @ \
2321 {width}{ }{Gin} @ \
2322 {height}{ }{Gin} @ \
2323 {totalheight}{ }{Gin} @ \
2324 {scale}{ }{Gin} @ \
2325 {type}{ }{Gin} @ \
2326 {ext}{ }{Gin} @ \
2327 {read}{ }{Gin} @ \
2328 {command}{ }{Gin} @ \
2329 {x}{ }{Grot} @ \
2330 {y}{ }{Grot} @ \
2331 {units}{ }{Grot} @ \
2332 {}{}

```

7.45 parsidigits.map

```

2333 LHSName "Digits"
2334 RHSName "ParsiDigits"
2335
2336 pass(Unicode)
2337 U+0030 <> U+06F0 ;
2338 U+0031 <> U+06F1 ;
2339 U+0032 <> U+06F2 ;
2340 U+0033 <> U+06F3 ;
2341 U+0034 <> U+06F4 ;
2342 U+0035 <> U+06F5 ;
2343 U+0036 <> U+06F6 ;

```



```

2344 U+0037 <> U+06F7 ;
2345 U+0038 <> U+06F8 ;
2346 U+0039 <> U+06F9 ;
2347
2348
2349 U+002C <> U+060C ; comma > arabic comma
2350 U+003F <> U+061F ; question mark -> arabic qm
2351 U+003B <> U+061B ; semicolon -> arabic semicolon
2352
2353 ; ligatures from Knuth's original CMR fonts
2354 U+002D U+002D <> U+2013 ; -- -> en dash
2355 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2356
2357 U+0027 <> U+2019 ; ' -> right single quote
2358 U+0027 U+0027 <> U+201D ; '' -> right double quote
2359 U+0022 > U+201D ; " -> right double quote
2360
2361 U+0060 <> U+2018 ; ` -> left single quote
2362 U+0060 U+0060 <> U+201C ; `` -> left double quote
2363
2364 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2365 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2366
2367 ; additions supported in T1 encoding
2368 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2369 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2370 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.46 rapport1-xepersian.def

```

2371 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 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}}

```

7.47 rapport3-xepersian.def

```

2378 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2379 \renewcommand*\thepart{\@tartibi\c@part}
2380 \renewcommand*\appendix{\par
2381   \setcounter{chapter}{0}%
2382   \setcounter{section}{0}%
2383   \gdef\@chapapp{\appendixname}%
2384   \gdef\thechapter{\@harfi\c@chapter}}

```

7.48 refrep-xepersian.def

```

2385 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2386 \renewcommand \thepart {\@tartibi\c@part}

```



```

2387 \renewcommand\appendix{\par
2388   \setcounter{chapter}{0}%
2389   \setcounter{section}{0}%
2390   \gdef\@chapapp{\appendixname}%
2391   \gdef\thechapter{\@harfi\c@chapter}
2392 }%end appendix

```

7.49 report-xepersian.def

```

2393 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2394 \renewcommand \thepart {\@tartibi\c@part}
2395 \renewcommand\appendix{\par
2396   \setcounter{chapter}{0}%
2397   \setcounter{section}{0}%
2398   \gdef\@chapapp{\appendixname}%
2399   \gdef\thechapter{\@harfi\c@chapter}
2400 }%end appendix

```

7.50 scrartcl-xepersian.def

```

2401 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2402 \renewcommand*{\thepart}{\@tartibi\c@part}
2403 \renewcommand*\appendix{\par%
2404   \setcounter{section}{0}%
2405   \setcounter{subsection}{0}%
2406   \gdef\thesection{\@harfi\c@section}%
2407   \csname appendixmore\endcsname
2408 }
2409 \renewcommand*{\@maybeautodot}[1]{%
2410   \ifx #1\@stop\let\@maybeautodot\relax
2411   \else
2412     \ifx #1\harfi \@autodottrue\fi
2413     \ifx #1\adadi \@autodottrue\fi
2414     \ifx #1\tartibi \@autodottrue\fi
2415     \ifx #1\Alph \@autodottrue\fi
2416     \ifx #1\alph \@autodottrue\fi
2417     \ifx #1\Roman \@autodottrue\fi
2418     \ifx #1\roman \@autodottrue\fi
2419     \ifx #1\@harfi \@autodottrue\fi
2420     \ifx #1\@adadi \@autodottrue\fi
2421     \ifx #1\@tartibi \@autodottrue\fi
2422     \ifx #1\@Alph \@autodottrue\fi
2423     \ifx #1\@alph \@autodottrue\fi
2424     \ifx #1\@Roman \@autodottrue\fi
2425     \ifx #1\@roman \@autodottrue\fi
2426     \ifx #1\romannumeral \@autodottrue\fi
2427   \fi
2428   \@maybeautodot
2429 }

```

7.51 scrbook-xepersian.def



```

2430 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2431 \renewcommand*\frontmatter{%
2432   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2433   \@mainmatterfalse\pagenumbering{harfi}%
2434 }
2435 \renewcommand*\thepart{\@tartibi\c@part}
2436 \renewcommand*\appendix{\par%
2437   \setcounter{chapter}{0}%
2438   \setcounter{section}{0}%
2439   \gdef\@chapapp{\appendixname}%
2440   \gdef\thechapter{\@harfi\c@chapter}%
2441   \csname appendixmore\endcsname
2442 }
2443 \renewcommand*\@maybeautodot[1]{%
2444   \ifx #1\@stop\let\@maybeautodot\relax
2445   \else
2446     \ifx #1\harfi \@autodottrue\fi
2447     \ifx #1\adadi \@autodottrue\fi
2448     \ifx #1\tartibi \@autodottrue\fi
2449     \ifx #1\Alph \@autodottrue\fi
2450     \ifx #1\alph \@autodottrue\fi
2451     \ifx #1\Roman \@autodottrue\fi
2452     \ifx #1\roman \@autodottrue\fi
2453     \ifx #1\@harfi \@autodottrue\fi
2454     \ifx #1\@adadi \@autodottrue\fi
2455     \ifx #1\@tartibi \@autodottrue\fi
2456     \ifx #1\@Alph \@autodottrue\fi
2457     \ifx #1\@alph \@autodottrue\fi
2458     \ifx #1\@Roman \@autodottrue\fi
2459     \ifx #1\@roman \@autodottrue\fi
2460     \ifx #1\romannumeral \@autodottrue\fi
2461   \fi
2462   \@maybeautodot
2463 }

```

7.52 scrreprt-xepersian.def

```

2464 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2465 \renewcommand*\thepart{\@tartibi\c@part}
2466 \renewcommand*\appendix{\par%
2467   \setcounter{chapter}{0}%
2468   \setcounter{section}{0}%
2469   \gdef\@chapapp{\appendixname}%
2470   \gdef\thechapter{\@harfi\c@chapter}%
2471   \csname appendixmore\endcsname
2472 }
2473 \renewcommand*\@maybeautodot[1]{%
2474   \ifx #1\@stop\let\@maybeautodot\relax
2475   \else
2476     \ifx #1\harfi \@autodottrue\fi

```



```

2477 \ifx #1\adadi \@autodottrue\fi
2478 \ifx #1\tartibi \@autodottrue\fi
2479 \ifx #1\Alph \@autodottrue\fi
2480 \ifx #1\alph \@autodottrue\fi
2481 \ifx #1\Roman \@autodottrue\fi
2482 \ifx #1\roman \@autodottrue\fi
2483 \ifx #1\@harfi \@autodottrue\fi
2484 \ifx #1\@adadi \@autodottrue\fi
2485 \ifx #1\@tartibi \@autodottrue\fi
2486 \ifx #1\@Alph \@autodottrue\fi
2487 \ifx #1\@alph \@autodottrue\fi
2488 \ifx #1\@Roman \@autodottrue\fi
2489 \ifx #1\@roman \@autodottrue\fi
2490 \ifx #1\romannumeral \@autodottrue\fi
2491 \fi
2492 \@@maybeautodot
2493 }

```

7.53 soul-xepersian.def

```

2494 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2495 \let\SOUL@tt\relax
2496 \newfontface{\SOUL@tt}{Times New Roman}

```

7.54 tkz-linknodes-xepersian.def

```

2497 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2498 \renewcommand*{\@SetTab}{%
2499 \let\@alph\@linalph%
2500 \ifnum \value{C@NumTab}>25\relax%
2501 \setcounter{C@NumTab}{1}%
2502 \else%
2503 \stepcounter{C@NumTab}%
2504 \fi%
2505 \setcounter{C@NumGroup}{0}%
2506 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2507 \setboolean{B@FirstLink}{true}
2508 \setboolean{B@NewGroup}{false}
2509 \setcounter{C@NumGroup}{0}
2510 \setcounter{C@CurrentGroup}{0}
2511 \setcounter{NumC@Node}{0}
2512 \setcounter{NumC@stop}{0}
2513 \setcounter{C@NextNode}{0}
2514 \setcounter{C@CurrentStop}{0}
2515 \setcounter{C@CurrentNode}{0}
2516 }%

```

7.55 tocloft-xepersian.def

```

2517 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2518 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2519 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}

```



```

2520 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2521 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2522 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2523 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2524 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2525 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2526 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2527 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.56 xepersian.sty

```

2528 \NeedsTeXFormat{LaTeX2e}
2529 \def\xepersianversion{v20.5}
2530 \def\xepersiandate{2018/01/04}
2531 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2532 Persian typesetting in XeLaTeX]
2533 \RequirePackage{fontspec}
2534 \RequirePackage{xepersian-persiancal}
2535 \RequirePackage{xepersian-mathsdigitspec}
2536 \RequirePackage{bidi}
2537 \edef\xepersian@info{*****~J%
2538 * ~J%
2539 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2540 * ~J%
2541 * Description: The package supports Persian~J%
2542 * typesetting, using fonts provided in the~J%
2543 * distribution.~J%
2544 * ~J%
2545 * Copyright (c) 2008--2018 Vafa Khalighi~J%
2546 * ~J%
2547 * \xepersianversion, \xepersiandate~J%
2548 * ~J%
2549 * License: LaTeX Project Public License, version~J%
2550 * 1.3c or higher (your choice)~J%
2551 * ~J%
2552 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2553 * ~J%
2554 * Issue tracker: https://github.com/tex-xet/xepersian/issues~J%
2555 * ~J%
2556 * Support: persian-tex@tug.org~J%
2557 * ~J%
2558 *****}
2559 \typeout{\xepersian@info}
2560 \edef\xepersian@everyjob{\the\everyjob}
2561 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2562 \edef\@bidi@strip@v\xepersianversion{\expandafter\@gobble\xepersianversion}
2563 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2564 \ifdim\@bidi@strip@v\xepersianversion pt > #1 pt %
2565 \expandafter\@firstoftwo
2566 \else

```



```

2567 \expandafter\@secondoftwo
2568 \fi}
2569 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2570 \ifdim\@bidi@strip@v@xepersianversion pt < #1 pt %
2571 \expandafter\@firstoftwo
2572 \else
2573 \expandafter\@secondoftwo
2574 \fi}
2575 \newcommand*{\IfxepersianPackageVersion}[1]{%
2576 \ifdim\@bidi@strip@v@xepersianversion pt = #1 pt %
2577 \expandafter\@firstoftwo
2578 \else
2579 \expandafter\@secondoftwo
2580 \fi}
2581 \def\prq{«}
2582 \def\plq{»}
2583 \def\xepersian@cmds@temp#1{%
2584 \begingroup\expandafter\expandafter\expandafter\endgroup
2585 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2586 \begingroup
2587 \escapechar=-1 %
2588 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2589 \def\y{#1}%
2590 \def\z##1->{%}
2591 \edef\y{\expandafter\z\meaning\y}%
2592 \expandafter\endgroup
2593 \ifx\x\y
2594 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2595 \expandafter{%
2596 \csname#1\endcsname
2597 }%
2598 \fi
2599 \fi
2600 }%
2601 \xepersian@cmds@temp{shellescape}
2602 \newif\ifwritexviii
2603 \ifnum\xepersian@shellescape=1\relax
2604 \writexviii>true
2605 \else
2606 \writexviii>false
2607 \fi
2608 \newfontscript{Parsi}{arab}
2609 \newfontlanguage{Parsi}{FAR}
2610 \ExplSyntaxOn
2611
2612 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2613 {
2614 \__xepersian_main_settextfont:nnn {#1} {#2} {#3}
2615 }
2616 \cs_set:Nn \__xepersian_main_settextfont:nnn

```



```

2617 {
2618   \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2619   \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2620   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2621   {
2622     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2623     \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2624     \exp_not:N \selectfont
2625   }
2626 }
2627 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2628 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2629 \normalfont
2630 \ignorespaces
2631 }
2632
2633 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2634 {
2635   \__xepersian_main_settextdigitfont:nnn {#1} {#2} {#3}
2636 }
2637 \cs_set:Nn \__xepersian_main_settextdigitfont:nnn
2638 {
2639   \fontspec_set_family:Nnn \g__xepersian_textdigitfont_family {Mapping=parsidigits,#1,#3} {#2}
2640   \use:x
2641   {
2642     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2643     {
2644       \exp_not:N \fontfamily { \g__xepersian_textdigitfont_family }
2645       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2646       \exp_not:N \selectfont
2647     }
2648   }
2649   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2650   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
2651   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2652   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
2653   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\DigitsDotDashInterCharClass}
2654   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharClass}
2655   \if@bidi@csundef{xepersian@D}{\%
2656     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2657     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
2658     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2659     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
2660     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2661     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
2662     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2663     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
2664     \XeTeXinterchartoks \xepersian@H \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2665     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@H = {\xepersian@@stop@switch@textdigitfont}
2666   }

```




```

2667 \newcommand*{\xepersian@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlat
2668 \newcommand*{\xepersian@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlati
2669 }
2670
2671 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
2672 {
2673   \_xepersian_main_settextdigitfont:nnn {#1} {#2} {#3}
2674   \_xepersian_main_setmathdigitfont:nnn {#1} {#2} {#3}
2675 }
2676
2677
2678 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2679 {
2680   \_xepersian_main_setlatintextfont:nnn {#1} {#2} {#3}
2681 }
2682 \cs_set:Nn \_xepersian_main_setlatintextfont:nnn
2683 {
2684   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2685   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2686     {
2687       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2688       \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2689       \exp_not:N \selectfont
2690     }
2691   }
2692   \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2693     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2694   \normalfont
2695   \ignorespaces
2696 }
2697
2698 \tl_set_eq:NN \setlatinsansfont \setsansfont
2699 \tl_set_eq:NN \setlatinmonofont \setmonofont
2700
2701 \DeclareDocumentCommand \defpersianfont { m 0{ } m 0{ } }
2702 {
2703   \_xepersian_main_defpersianfont:nnnn {#1} {#2} {#3} {#4}
2704 }
2705 \cs_set:Nn \_xepersian_main_defpersianfont:nnnn
2706 {
2707   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2708   \use:x
2709     {
2710       \exp_not:N \DeclareRobustCommand \exp_not:N #1
2711       {
2712         \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2713         \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2714         \exp_not:N \selectfont
2715       }
2716     }

```



```

2717 }
2718
2719 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2720 {
2721   \_xepersian_main_deflatinfont:nnnn {#1} {#2} {#3} {#4}
2722 }
2723 \cs_set:Nn \_xepersian_main_deflatinfont:nnnn
2724 {
2725   \fontspec_set_family:cnn { g\_xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}
2726   \use:x
2727   {
2728     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2729     {
2730       \exp_not:N \fontfamily { \use:c {g\_xepersian_ \cs_to_str:N #1 _family} }
2731       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2732       \exp_not:N \selectfont
2733     }
2734   }
2735 }
2736
2737 \newcommand\persiansfdefault{}
2738 \newcommand\persianttdefault{}
2739 \newcommand\iranicsfdefault{}
2740 \newcommand\navarsfdefault{}
2741 \newcommand\pooksfdefault{}
2742 \newcommand\sayehsfdefault{}
2743 \DeclareRobustCommand\persiansffamily
2744   {\not@math@alphabet\persiansffamily\mathpersiansf
2745   \fontfamily\persiansfdefault\selectfont}
2746 \DeclareRobustCommand\persianttffamily
2747   {\not@math@alphabet\persianttffamily\mathpersiantt
2748   \fontfamily\persianttdefault\selectfont}
2749 \DeclareRobustCommand\iranicsffamily
2750   {\not@math@alphabet\iranicsffamily\mathiranics
2751   \fontfamily\iranicsfdefault\selectfont}
2752 \DeclareRobustCommand\navarsffamily
2753   {\not@math@alphabet\navarsffamily\mathnavar
2754   \fontfamily\navarsfdefault\selectfont}
2755 \DeclareRobustCommand\pooksffamily
2756   {\not@math@alphabet\pooksffamily\mathpook
2757   \fontfamily\pooksfdefault\selectfont}
2758 \DeclareRobustCommand\sayehsfamily
2759   {\not@math@alphabet\sayehsfamily\mathsayeh
2760   \fontfamily\sayehsfdefault\selectfont}
2761 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2762 \DeclareTextFontCommand{\textpersiantt}{\persianttffamily}
2763 \DeclareTextFontCommand{\textiranics}{\iranicsffamily}
2764 \DeclareTextFontCommand{\textnavar}{\navarsffamily}
2765 \DeclareTextFontCommand{\textpook}{\pooksffamily}
2766 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}

```



```

2767
2768 \DeclareDocumentCommand \setpersiansansfont { 0{ } m 0{ } }
2769 {
2770   \__xepersian_main_setpersiansansfont:nnn {#1} {#2} {#3}
2771 }
2772 \cs_set:Nn \__xepersian_main_setpersiansansfont:nnn
2773 {
2774   \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2775   \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
2776   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2777     {
2778       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2779       \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
2780       \exp_not:N \selectfont
2781     }
2782   }
2783   \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
2784     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2785   \normalfont
2786   \ignorespaces
2787 }
2788
2789 \DeclareDocumentCommand \setpersianmonofont { 0{ } m 0{ } }
2790 {
2791   \__xepersian_main_setpersianmonofont:nnn {#1} {#2} {#3}
2792 }
2793 \cs_set:Nn \__xepersian_main_setpersianmonofont:nnn
2794 {
2795   \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,M
2796   \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2797   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2798     {
2799       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2800       \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2801       \exp_not:N \selectfont
2802     }
2803   }
2804   \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2805     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2806   \normalfont
2807   \ignorespaces
2808 }
2809
2810 \DeclareDocumentCommand \setnavarfont { 0{ } m 0{ } }
2811 {
2812   \__xepersian_main_setnavarfont:nnn {#1} {#2} {#3}
2813 }
2814 \cs_set:Nn \__xepersian_main_setnavarfont:nnn
2815 {
2816   \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi

```



```

2817 \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2818 \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2819 {
2820 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2821 \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2822 \exp_not:N \selectfont
2823 }
2824 }
2825 \str_if_eq_x:nnT {\familydefault} {\navardefault}
2826 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2827 \normalfont
2828 \ignorespaces
2829 }
2830
2831 \DeclareDocumentCommand \setpookfont { O{} m O{} }
2832 {
2833 \__xepersian_main_setpookfont:nnn {#1} {#2} {#3}
2834 }
2835 \cs_set:Nn \__xepersian_main_setpookfont:nnn
2836 {
2837 \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=
2838 \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2839 \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2840 {
2841 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2842 \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2843 \exp_not:N \selectfont
2844 }
2845 }
2846 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2847 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2848 \normalfont
2849 \ignorespaces
2850 }
2851
2852 \DeclareDocumentCommand \setsayehfont { O{} m O{} }
2853 {
2854 \__xepersian_main_setsayehfont:nnn {#1} {#2} {#3}
2855 }
2856 \cs_set:Nn \__xepersian_main_setsayehfont:nnn
2857 {
2858 \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=
2859 \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2860 \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2861 {
2862 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2863 \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2864 \exp_not:N \selectfont
2865 }
2866 }

```



```

2867 \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2868 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2869 \normalfont
2870 \ignorespaces
2871 }
2872
2873 \DeclareDocumentCommand \setiraniconfont { 0{ } m 0{ } }
2874 {
2875   \__xepersian_main_setiraniconfont:nnn {#1} {#2} {#3}
2876 }
2877 \cs_set:Nn \__xepersian_main_setiraniconfont:nnn
2878 {
2879   \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=Default}
2880   \tl_set_eq:NN \iraniconfont \g__xepersian_iranicfamily_family
2881   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
2882     {
2883       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2884       \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
2885       \exp_not:N \selectfont
2886     }
2887   }
2888   \str_if_eq_x:nnT {\familydefault} {\iraniconfont}
2889   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2890   \normalfont
2891   \ignorespaces
2892 }
2893
2894
2895 \ExplSyntaxOff
2896 \def\resetlatinfont{%
2897 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2898 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2899 \def\xepersian@@fontsize@scale{%
2900   \strip@pt\dimexpr 1pt * \dimexpr
2901   \xepersian@@latin@fontsize@scale pt\relax
2902   / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2903 }%
2904 \def\xepersian@@baselineskip@scale{%
2905   \strip@pt\dimexpr 1pt * \dimexpr
2906   \xepersian@@latin@baselineskip@scale pt\relax
2907   / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
2908 }%
2909 \@nonlatinfalse%
2910 \let\normalfont\latinfont%
2911 \let\reset@font\normalfont%
2912 \latinfont%
2913 \fontsize\font@size\font@baselineskip%
2914 \selectfont%
2915 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2916 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%

```



```

2917 }
2918 \def\setpersianfont{%
2919 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2920 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2921 \let\xepersian@@fontsize@scale\@ne%
2922 \let\xepersian@@baselineskip@scale\@ne%
2923 \@nonlatintrue%
2924 \let\normalfont\persianfont%
2925 \let\reset@font\normalfont%
2926 \persianfont%
2927 \fontsize\font@size\font@baselineskip%
2928 \selectfont%
2929 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2930 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2931 }
2932 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2933 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2934 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2935 \def\endlatin{\endLTR}
2936 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2937 \def\endpersian{\endRTL}
2938 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{latinitems}}
2939 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{parsiiitems}}
2940 \let\originaltoday=\today
2941 \def\latintoday{\lr{\originaltoday}}
2942 \def\today{\rl{\persiantoday}}
2943 \def \@LTRmarginparreset {%
2944     \reset@font
2945     \resetlatinfont
2946     \normalsize
2947     \@minipagetrue
2948     \everypar{\@minipagefalse\everypar{}\beginL}%
2949 }
2950 \DeclareRobustCommand\Latincite{%
2951   \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
2952 \def\@Latincitex[#1]#2{\leavevmode
2953   \let\@citea\@empty
2954   \@cite{\lr{\@for\@citeb:=#2\do
2955     {\@citea\def\@citea{,\penalty\@m\ }%
2956     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2957     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2958     \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
2959     \G@refundefinedtrue
2960     \@latex@warning
2961       {Citation `@\@citeb' on page \thepage \space undefined}}%
2962     {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@citeb}}{#1}}
2963
2964 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2965
2966 \newif\if@xepersian@@computeautoilg

```



```

2967 \newcount\xepersian@tcl
2968 \newdimen\xepersian@ilg
2969 \newdimen\xepersian@strutilg
2970 \chardef\f@ur=4
2971 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2972 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2973 \loop
2974 \iffontchar\font\xepersian@tcl
2975 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
2976 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
2977 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
2978 \fi
2979 \else
2980 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
2981 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
2982 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
2983 \fi
2984 \fi
2985 \fi
2986 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
2987 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2988 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
2989 \fi
2990 \else
2991 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
2992 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2993 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
2994 \fi
2995 \fi
2996 \fi
2997 \fi
2998 \advance\xepersian@tcl\@ne
2999 \ifnum\xepersian@tcl<1792\repeat
3000 \advance\xepersian@strutilg\xepersian@ilg
3001 % \ifdim\xepersian@strutilg>\baselineskip
3002 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3003 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3004 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3005 % \selectfont
3006 % \fi
3007 }
3008
3009 \newif\if@@textdigitfont@on
3010
3011 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3012 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3013
3014 \TextDigitFontOn
3015
3016 \newcommand*\xepersian@setlength[4]{%

```



```

3017 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3018 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3019 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3020 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3021 \else
3022 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3023 \fi
3024 \else
3025 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3026 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3027 \else
3028 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3029 \fi
3030 \fi
3031 \else
3032 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3033 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3034 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3035 \else
3036 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3037 \fi
3038 \else
3039 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3040 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3041 \else
3042 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3043 \fi
3044 \fi
3045 \fi
3046 }
3047
3048 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3049 \@defaultunits\@tempdima#2pt\relax\@nnil
3050 \setlength{\@tempdimc}{\@tempdima}%
3051 \addtolength{\@tempdimc}{-10\p@}%
3052 \edef\@ptsize{\strip@pt\@tempdimc}%
3053 \@defaultunits\@tempdimb#1pt\relax\@nnil
3054 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3055 \edef\@tempb{the\@tempdimc}%
3056 \setlength{\@tempdimc}{\@tempdima}%
3057 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3058 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3059 \xepersian@setlength{\abovedisplayskip}%
3060 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3061 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3062 \xepersian@setlength{\belowdisplayshortskip}%
3063 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3064 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3065 \edef\normalsize{%
3066 \noexpand\setfontsize\noexpand\normalsize

```




```

3067 {\the\@tempdima}{\the\@tempdimb}%
3068 \abovedisplayskip \the\abovedisplayskip
3069 \abovedisplayshortskip \the\abovedisplayshortskip
3070 \belowdisplayskip \the\belowdisplayskip
3071 \belowdisplayshortskip \the\belowdisplayshortskip
3072 \let\noexpand\@listi\noexpand\@listI
3073 }%
3074 \setlength{\@tempdima}{0.9125\@tempdimc}%
3075 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3076 \xepersian@setlength{\abovedisplayskip}%
3077     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3078 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3079 \xepersian@setlength{\belowdisplayshortskip}%
3080     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3081 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3082 \edef\small{%
3083     \noexpand\setfontsize\noexpand\small
3084     {\the\@tempdima}{\the\@tempdimb}%
3085     \abovedisplayskip \the\abovedisplayskip
3086     \abovedisplayshortskip \the\abovedisplayshortskip
3087     \belowdisplayskip \the\belowdisplayskip
3088     \belowdisplayshortskip \the\belowdisplayshortskip
3089     \let\noexpand\@listi\noexpand\@listi@small
3090 }%
3091 \setlength{\@tempdima}{.83334\@tempdimc}%
3092 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3093 \xepersian@setlength{\abovedisplayskip}%
3094     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3095 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3096 \xepersian@setlength{\belowdisplayshortskip}%
3097     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3098 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3099 \edef\footnotesize{%
3100     \noexpand\setfontsize\noexpand\footnotesize
3101     {\the\@tempdima}{\the\@tempdimb}%
3102     \abovedisplayskip \the\abovedisplayskip
3103     \abovedisplayshortskip \the\abovedisplayshortskip
3104     \belowdisplayskip \the\belowdisplayskip
3105     \belowdisplayshortskip \the\belowdisplayshortskip
3106     \let\noexpand\@listi\noexpand\@listi@footnotesize
3107 }%
3108 \setlength{\@tempdima}{.66667\@tempdimc}%
3109 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3110 \edef\scriptsize{%
3111     \noexpand\setfontsize\noexpand\scriptsize
3112     {\the\@tempdima}{\the\@tempdimb}%
3113 }%
3114 \setlength{\@tempdima}{.5\@tempdimc}%
3115 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3116 \edef\tiny{%

```



```

3117 \noexpand\@setfontsize\noexpand\tiny
3118 {\the\@tempdima}{\the\@tempdimb}%
3119 }%
3120 \setlength{\@tempdima}{1.2\@tempdimc}%
3121 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3122 \edef\large{%
3123 \noexpand\@setfontsize\noexpand\large
3124 {\the\@tempdima}{\the\@tempdimb}%
3125 }%
3126 \setlength{\@tempdima}{1.44\@tempdimc}%
3127 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3128 \edef\Large{%
3129 \noexpand\@setfontsize\noexpand\Large
3130 {\the\@tempdima}{\the\@tempdimb}%
3131 }%
3132 \setlength{\@tempdima}{1.728\@tempdimc}%
3133 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3134 \edef\LARGE{%
3135 \noexpand\@setfontsize\noexpand\LARGE
3136 {\the\@tempdima}{\the\@tempdimb}%
3137 }%
3138 \setlength{\@tempdima}{2.074\@tempdimc}%
3139 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3140 \edef\huge{%
3141 \noexpand\@setfontsize\noexpand\huge
3142 {\the\@tempdima}{\the\@tempdimb}%
3143 }%
3144 \setlength{\@tempdima}{2.488\@tempdimc}%
3145 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3146 \edef\Huge{%
3147 \noexpand\@setfontsize\noexpand\Huge
3148 {\the\@tempdima}{\the\@tempdimb}%
3149 }%
3150 \normalsize
3151 \setlength{\@tempdimb}{\f@baselineskip}%
3152 \xepersian@setlength{\parsep}%
3153 {\.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3154 \xepersian@setlength{\topsep}%
3155 {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3156 \@tempswafalse
3157 \begingroup
3158 \def\@list@extra{\aftergroup\@tempswatrue}%
3159 \csname @listi\endcsname
3160 \endgroup
3161 \edef\@listi{\leftmargin\leftmargini
3162 \topsep \the\topsep
3163 \parsep \the\parsep
3164 \itemsep \parsep
3165 \if@tempswa\noexpand\@list@extra\fi
3166 }%

```



```

3167 \let\@listI\@listi
3168 \xepersian@setlength{\parsep}%
3169         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3170 \xepersian@setlength{\topsep}%
3171         {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3172 \@tempswafalse
3173 \begingroup
3174 \def\@list@extra{\aftergroup\@tempwattrue}%
3175 \csname @listi\endcsname
3176 \endgroup
3177 \edef\@listi@small{\leftmargin\leftmargini
3178 \topsep \the\topsep
3179 \parsep \the\parsep
3180 \itemsep \parsep
3181 \if@tempswa\noexpand\@list@extra\fi
3182 }%
3183 \xepersian@setlength{\parsep}%
3184         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3185 \xepersian@setlength{\topsep}%
3186         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3187 \@tempswafalse
3188 \begingroup
3189 \def\@list@extra{\aftergroup\@tempwattrue}%
3190 \csname @listi\endcsname
3191 \endgroup
3192 \edef\@listi@footnotesize{\leftmargin\leftmargini
3193 \topsep \the\topsep
3194 \parsep \the\parsep
3195 \itemsep \parsep
3196 \if@tempswa\noexpand\@list@extra\fi
3197 }%
3198 \xepersian@setlength{\parsep}%
3199         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3200 \xepersian@setlength{\topsep}%
3201         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3202 \@tempswafalse
3203 \begingroup
3204 \def\@list@extra{\aftergroup\@tempwattrue}%
3205 \csname @listii\endcsname
3206 \endgroup
3207 \edef\@listii{\leftmargin\leftmarginii
3208 \labelwidth=\dimexpr \leftmargin-\labelsep
3209 \topsep \the\topsep
3210 \parsep \the\parsep
3211 \itemsep \parsep
3212 \if@tempswa\noexpand\@list@extra\fi
3213 }%
3214 \xepersian@setlength{\topsep}%
3215         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3216 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%

```



```

3217 \@tempwafalse
3218 \beginngroup
3219 \def\@list@extra{\aftergroup\@tempwattrue}%
3220 \csname @listiii\endcsname
3221 \endgroup
3222 \edef\@listiii{\leftmargin\leftmarginiii
3223 \labelwidth=\dimexpr \leftmargin-\labelsep
3224 \topsep \the\topsep
3225 \parsep \z@
3226 \partopsep \the\partopsep
3227 \itemsep \topsep
3228 \if@tempwa\noexpand\@list@extra\fi
3229 }%
3230 \@tempwafalse
3231 \beginngroup
3232 \def\@list@extra{\aftergroup\@tempwattrue}%
3233 \csname @listiv\endcsname
3234 \endgroup
3235 \edef\@listiv{\leftmargin\leftmarginiv
3236 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3237 \if@tempwa\noexpand\@list@extra\fi
3238 }%
3239 \@tempwafalse
3240 \beginngroup
3241 \def\@list@extra{\aftergroup\@tempwattrue}%
3242 \csname @listv\endcsname
3243 \endgroup
3244 \edef\@listv{\leftmargin\leftmarginv
3245 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3246 \if@tempwa\noexpand\@list@extra\fi
3247 }%
3248 \@tempwafalse
3249 \beginngroup
3250 \def\@list@extra{\aftergroup\@tempwattrue}%
3251 \csname @listvi\endcsname
3252 \endgroup
3253 \edef\@listvi{\leftmargin\leftmarginvi
3254 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3255 \if@tempwa\noexpand\@list@extra\fi
3256 }%
3257 \@listi
3258 \setlength{\@tempdimb}{\f@baselineskip}%
3259 \setlength{\footnotesep}{.555\@tempdimb}%
3260 \xepersian@setlength{\skip\footins}%
3261 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3262 \xepersian@setlength{\floatsep}%
3263 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3264 \xepersian@setlength{\textfloatsep}%
3265 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3266 \setlength{\intextsep}{\floatsep}%

```



```

3267 \setlength{\dblfloatsep}{\floatsep}%
3268 \setlength{\dbltextfloatsep}{\textfloatsep}%
3269 \setlength{\@fptop}{\z@ \@plus 1fil}%
3270 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3271 \setlength{\@fpbot}{\@fptop}%
3272 \setlength{\@dblfpbot}{\@fptop}%
3273 \setlength{\@dblfpsep}{\@fpsep}%
3274 \setlength{\@dblfpbot}{\@fptop}%
3275 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3276 }
3277
3278 \newcommand\twocolumnstableofcontents{%
3279 \if@bidi@csundef{multi@column@out}{%
3280 \PackageError{xepersian}{Oops! you should load multicols package before xepersian package for b
3281 \begin{multicols}{2}[\section*{\contentsname}]%
3282 \small
3283 \@starttoc{toc}%
3284 \end{multicols}}%
3285 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3286 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}%
3287 \def\figurename{\if@RTL else\ Figure\fi}
3288 \def\tablename{\if@RTL else\ Table\fi}
3289 \def\contentsname{\if@RTL else\ Contents\fi}
3290 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3291 \def\listtablename{\if@RTL else\ List of Tables\fi}
3292 \def\appendixname{\if@RTL else\ Appendix\fi}
3293 \def\indexname{\if@RTL else\ Index\fi}
3294 \def\refname{\if@RTL else\ References\fi}
3295 \def\abstractname{\if@RTL else\ Abstract\fi}
3296 \def\partname{\if@RTL else\ Part\fi}
3297 \def\datename{\if@RTL else\ Date:\fi}
3298 \def\@and{\if@RTL else\ and\fi}
3299 \def\bibname{\if@RTL else\ Bibliography\fi}
3300 \def\chaptername{\if@RTL else\ Chapter\fi}
3301 \def\ccname{\if@RTL else\ cc\fi}
3302 \def\enclname{\if@RTL else\ encl\fi}
3303 \def\pagename{\if@RTL else\ Page\fi}
3304 \def\headtoname{\if@RTL else\ To\fi}
3305 \def\proofname{\if@RTL else\ Proof\fi}
3306 \def\@Abjad#1{%
3307 \ifcase#1\or or\ or\ or\ %
3308 \or or\ or\ or\ or\ %
3309 \or or\ or\ or\ or\ %
3310 \or or\ or\ or\ %
3311 \or or\ or\ or\ or\ %
3312 \or or\ or\ or\ or\ %
3313 \else\@ctrerr\fi}
3314 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3315 \let\Abjadnumeral\@Abjad

```



xepersian implementation 125



```

3366 \fi%
3367 }
3368 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3369 \ifnum#1#2#3>\z@
3370 \xepersian@milyoongan#1#2#3%
3371 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3372 \fi%
3373 \ifnum#4#5#6>\z@%
3374 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3375 \ifnum#4#5#6>\@ne\fi%
3376 %
3377 \ifnum#7>\z@\ \fi%
3378 \fi%
3379 \xepersian@sadgan#7{#4#5#6}1#9%
3380 }
3381 \def\xepersian@milyoongan#1#2#3{%
3382 \ifnum#1#2#3=\@ne%
3383 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3384 %
3385 %
3386 \else%
3387 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3388 %
3389 %
3390 \fi%
3391 }
3392 \def\xepersian@sadgan#1#2#3#4#5#6{%
3393 \ifnum#1>\z@%
3394 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3395 %
3396 \ifnum#2#3>\z@\ \fi%
3397 \fi%
3398 \ifnum#2#3<20%
3399 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3400 \else%
3401 \xepersian@dahgan#2%
3402 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3403 #60%
3404 \fi%
3405 }
3406 \def\xepersian@yekani#1{%
3407 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3408 \or or\ or\ or\ or\ or\ or\ %
3409 \or or\ or\ or\ %
3410 \or or\ %fi\
3411 }
3412 \def\xepersian@yekanii#1{%
3413 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3414 }
3415 \def\xepersian@yekanii#1{%

```



```

3416 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3417 }
3418 \def\xepersian@yekaniv#1{%
3419 \ifcase#1\@empty\or\or or\ or\ or\ %
3420 \or or\ or\ %fi\
3421 }
3422 \def\xepersian@dahgan#1{%
3423 \ifcase#1\or\or or\ or\ %
3424 \or or\ or\ or\ %
3425 \or %fi\
3426 }
3427 \newcommand{\tartibi}[1]{%
3428 \expandafter\@tartibi\csname c@#1\endcsname%
3429 }
3430 \newcommand{\@tartibi}[1]{%
3431 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3432 }
3433 \let\tartibinumeral\@tartibi%
3434 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3435 \ifnum\number#1<\@ne%
3436 #3%
3437 \else\ifnum\number#1<1000000000 %
3438 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3439 \else%
3440 \xepersian@numberoutofrange{#1}{#4}%
3441 \fi\fi%
3442 }
3443 \def\xepersian@adadi@tartibi#1#2{%
3444 \expandafter\xepersian@@adadi@tartibi%
3445 \ifcase%
3446 \ifnum#1<10 1%
3447 \else\ifnum#1<100 2%
3448 \else\ifnum#1<\@m 3%
3449 \else\ifnum#1<\@M 4%
3450 \else\ifnum#1<100000 5%
3451 \else\ifnum#1<1000000 6%
3452 \else\ifnum#1<10000000 7%
3453 \else\ifnum#1<100000000 8%
3454 \else9%
3455 \fi\fi\fi\fi\fi\fi\fi\fi %
3456 \or00000000#1% case 1: Add 8 leading zeros
3457 \or0000000#1% case 2: Add 7 leading zeros
3458 \or000000#1% case 3: Add 6 leading zeros
3459 \or00000#1% case 4: Add 5 leading zeros
3460 \or0000#1% case 5: Add 4 leading zeros
3461 \or000#1% case 6: Add 3 leading zeros
3462 \or00#1% case 7: Add 2 leading zeros
3463 \or0#1% case 8: Add 1 leading zero
3464 \or#1% case 9: Add no leading zeros
3465 \or%

```




```

3466 \@nil#2%
3467 \fi%
3468 }
3469 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3470 \ifnum#1#2#3>\z@
3471 \xepersian@milyoongan@tartibi#1#2#3%
3472 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3473 \fi%
3474 \ifnum#4#5#6>\z@%
3475 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3476 \ifnum#4#5#6>\@ne \fi%
3477 %
3478 \ifnum#7>\z@\ \fi%
3479 \fi%
3480 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3481 }
3482 \def\xepersian@milyoongan@tartibi#1#2#3{%
3483 \ifnum#1#2#3=\@ne%
3484 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3485 %
3486 %
3487 \else%
3488 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3489 %
3490 %
3491 \fi%
3492 }
3493 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3494 \ifnum#1>\z@%
3495 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3496 %
3497 \ifnum#2#3>\z@\ \fi%
3498 \fi%
3499 \ifnum#2#3<20%
3500 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3501 \else%
3502 \ifnum#2#3=30%
3503 \xepersian@dahgan@tartibi#2%
3504 \else%
3505 \xepersian@dahgan#2%
3506 \fi%
3507 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3508 #60%
3509 \fi%
3510 }
3511 \def\xepersian@dahgan@tartibi#1{%
3512 \ifcase#1\or\or or\ or\ %
3513 \or or\ or\ or\ %
3514 \or %fi\
3515 }

```



```

3516 \def\xepersian@tartibi#1{%
3517 \ifcase#1 \or or\ or\ or\ %
3518 \or or\ or\ or\ or\ %
3519 \or or\ or\ or\ %
3520 \or or\ or\ %
3521 \or or\ or\ %fi\
3522 }
3523 \def\xepersian@yekanv#1{%
3524 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3525 \or or\ or\ or\ or\ or\ %
3526 \or or\ or\ or\ %
3527 \or or\ %fi\
3528 }
3529 \providecommand*\xpg@warning}[1]{%
3530 \PackageWarning{XePersian}%
3531 {#1}}
3532 \if@bidi@csundef{@abjad}{%
3533 \def\@abjad#1{%
3534 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3535 \else
3536 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3537 \else
3538 \ifnum#1<10\expandafter\abj@num@i\number#1%
3539 \else
3540 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3541 \else
3542 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3543 \else
3544 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3545 \fi
3546 \fi
3547 \fi
3548 \fi
3549 \fi
3550 \fi
3551 }
3552 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3553 \let\abjadnumeral\@abjad
3554 \def\abjad@zero{}
3555 \def\abj@num@i#1{%
3556 \ifcase#1\or or\ or\ or\ %
3557 \or or\ or\ or\ or\ fi\
3558 \ifnum#1=\z@\abjad@zero\fi}
3559 \def\abj@num@ii#1{%
3560 \ifcase#1\or or\ or\ or\ or\ %
3561 \or or\ or\ or\ fi\
3562 \ifnum#1=\z@\fi\abj@num@i}
3563 \def\abj@num@iii#1{%
3564 \ifcase#1\or or\ or\ or\ or\ %
3565 \or or\ or\ or\ fi\

```



```

3566 \ifnum#1=\z@\fi\abj@num@ii}
3567 \def\abj@num@iv#1{%
3568 \ifcase#1\or fi\
3569 \ifnum#1=\z@\fi\abj@num@iii}
3570 }{}
3571 \let\@latinalph\@alph%
3572 \let\@latinAlph\@Alph%
3573 \def\LatinAlphs{%
3574 \let\@alph\@latinalph%
3575 \let\@Alph\@latinAlph%
3576 }
3577 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
3578 \renewcommand*\@bidi@thebibliography@font@hook{%
3579 \if@LTRbibitems
3580 \resetlatinfont
3581 \fi}
3582 \bidi@AfterEndPreamble{%
3583 \if@bidi@csundef{persianfont}{%
3584 \PackageError{xepersian}{You have not specified any font\MessageBreak
3585 for the main Persian text}{Use '\settextfont' to load a font.}%
3586 }{}
3587 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3588 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3589 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3590 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3591 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3592 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3593 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3594 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3595 \@ifpackageloaded{biditytutesidenote}{\input{biditytutesidenote-xepersian.def}}{}
3596 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3597 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3598 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3599 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3600 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3601 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3602 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3603 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3604 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3605 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3606 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}
3607 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3608 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3609 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3610 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3611 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3612 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3613 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3614 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3615 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}

```



```

3616 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3617 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3618 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3619 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3620 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3621 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3622 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3623 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3624 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3625 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3626 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3627 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3628 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3629 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3630
3631 \def\xepersian@fontsize@branch#1{%
3632   \@tempcnta\z@
3633   \@for\xepersian@tmp:=#1\do{%
3634     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
3635     \ifcase\@tempcnta\relax% cnta == 0
3636       \edef\xepersian@value{\xepersian@frag}%
3637       \setfontsize{\xepersian@frag}%
3638     \or% cnta == 1
3639       \setfontsize[\xepersian@frag]{\xepersian@value}%
3640     \else\fi
3641     \advance\@tempcnta\@ne}%
3642 }
3643
3644
3645 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default
3646   \ifcase\xepersian@tempb\relax
3647     \AutoMathsDigits
3648   \or
3649     \DefaultMathsDigits
3650   \or
3651     \PersianMathsDigits
3652   \fi}
3653 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3654   \ifcase\xepersian@tempb\relax
3655     \AutoInlineMathsDigits
3656   \or
3657     \DefaultInlineMathsDigits
3658   \or
3659     \PersianInlineMathsDigits
3660   \fi}
3661 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3662   \ifcase\xepersian@tempb\relax
3663     \AutoDisplayMathsDigits
3664   \or
3665     \DefaultDisplayMathsDigits

```



```

3666 \or
3667 \PersianDisplayMathsDigits
3668 \fi}
3669 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3670 \ifcase\xepersian@tempb\relax
3671 \RTLtrue
3672 \or
3673 \RTLfalse
3674 \fi}
3675
3676 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3677 \ifcase\xepersian@tempb\relax
3678 \RTLtrue
3679 \or
3680 \RTLfalse
3681 \fi}
3682
3683
3684 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3685 \ifcase\xepersian@tempb\relax
3686 \RTLtabtrue
3687 \or
3688 \RTLtabfalse
3689 \fi}
3690
3691 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3692 \ifcase\xepersian@tempb\relax
3693 \@nonlatinfalse
3694 \or
3695 \@nonlatintrue
3696 \fi}
3697
3698 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3699 \ifcase\xepersian@tempb\relax
3700 \RTLtrue
3701 \or
3702 \RTLfalse
3703 \fi}
3704 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3705 \ifcase\xepersian@tempb\relax
3706 \autofootnoterule
3707 \or
3708 \leftfootnoterule
3709 \or
3710 \rightfootnoterule
3711 \or
3712 \SplitFootnoteRule
3713 \or
3714 \textwidthfootnoterule
3715 \fi}

```



```

3716 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3717 \ifcase\xepersian@tempb\relax
3718 \RTL@footnotetrue
3719 \or
3720 \RTL@footnotefalse
3721 \fi}
3722 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
3723 \ifcase\xepersian@tempb\relax
3724 \footdir@debugtrue
3725 \or
3726 \footdir@debugfalse
3727 \fi}
3728 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3729 \ifcase\xepersian@tempb\relax
3730 \input{kashida-xepersian.def}
3731 \fi}
3732 \define@choicekey{xepersian.sty}{KashidaXBFix}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3733 \ifcase\xepersian@tempb\relax
3734 \@Kashida@XB@fixtrue
3735 \or
3736 \@Kashida@XB@fixfalse
3737 \fi}
3738 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3739 \ifcase\xepersian@tempb\relax
3740 \input{localise-xepersian.def}
3741 \fi}
3742 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3743 \ifcase\xepersian@tempb\relax
3744 \@extrafootnotefeaturestrue
3745 \or
3746 \@extrafootnotefeaturesfalse
3747 \fi}
3748 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3749 \ifcase\xepersian@tempb\relax
3750 \PackageWarning{xepersian}{Obsolete option}%
3751 \ifwritexviii%
3752 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3753 \renewcommand\printindex{\newpage%
3754 \immediate\closeout\@indexfile
3755 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3756 \@input@{\jobname.ind}}}%
3757 \else
3758 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3759 \fi
3760 \fi}
3761 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3762 \ifcase\xepersian@tempb\relax
3763 \ifwritexviii%
3764 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3765 \renewcommand\printindex{\newpage%

```



```

3766 \immediate\closeout\@indexfile
3767 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname
3768 \@input@{\jobname.ind}}}%
3769 \else
3770 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3771 \fi
3772 \fi}
3773 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3774 \ifcase\xepersian@tempb\relax
3775 \ifwritexviii%
3776 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3777 \renewcommand\printindex{\newpage%
3778 \immediate\closeout\@indexfile
3779 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3780 \@input@{\jobname.ind}}}%
3781 \else
3782 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3783 \fi
3784 \fi}
3785 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3786 \ifcase\xepersian@tempb\relax
3787 \def\PersianAlphs{%
3788 \let\@alph\@abjad%
3789 \let\@Alph\@abjad%
3790 }
3791 \or
3792 \def\PersianAlphs{%
3793 \let\@alph\@Abjad%
3794 \let\@Alph\@Abjad%
3795 }
3796 \fi}
3797 \DeclareOptionX{defaultlatinfontfeatures}{%
3798 \defaultfontfeatures
3799 [\latinfont]
3800 {#1}
3801 }
3802
3803 \DeclareOptionX{mathfontsizescale}{%
3804 \def\xepersian@@math@fontsize@scale{#1}%
3805 }
3806
3807 \DeclareOptionX{fontsizescale}{%
3808 \def\xepersian@@fontsize@scale{#1}%
3809 }
3810
3811 \DeclareOptionX{fontsize}{%
3812 \xepersian@@fontsize@branch{#1}%
3813 }
3814
3815 \DeclareOptionX{latinfontsizescale}{%

```



```

3816 \def\xepersian@@latin@fontsize@scale{#1}%
3817 }
3818
3819 \DeclareOptionX{baselineskip}{%
3820 \def\xepersian@@baselineskip@scale{#1}%
3821 }
3822
3823 \DeclareOptionX{latinbaselineskip}{%
3824 \def\xepersian@@latin@baselineskip@scale{#1}%
3825 }
3826
3827 \define@choicekey{xepersian.sty}{computeautoilg}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{on}
3828 \ifcase\xepersian@tempb\relax
3829 \xepersian@@computeautoilgtrue
3830 \or
3831 \xepersian@@computeautoilgfalse
3832 \fi}
3833
3834 \define@choicekey{xepersian.sty}{DetectColumn}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{on}
3835 \ifcase\xepersian@tempb\relax
3836 \def\bidi@firstcolumn@status@write{%
3837 \protected@write\@auxout{}%
3838 {\string\bidi@column@status
3839 {1}}}%
3840 \def\bidi@lastcolumn@status@write{%
3841 \protected@write\@auxout{}%
3842 {\string\bidi@column@status{2}}}%
3843 \or
3844 \let\bidi@firstcolumn@status@write\relax
3845 \let\bidi@lastcolumn@status@write\relax
3846 \fi}
3847
3848
3849 \define@choicekey{xepersian.sty}{debugtextdigitfont}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{on}
3850 \ifcase\xepersian@tempb\relax
3851 \bidi@AtEndPreamble{%
3852 \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
3853 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
3854 }
3855 \or
3856 \relax
3857 \fi}
3858
3859 \ExecuteOptionsX{%
3860 documentdirection=righttoleft,
3861 tabledirection=righttoleft,
3862 script=nonlatin,
3863 footnotedirection=righttoleft,
3864 footnoterule=automatic,
3865 abjadvariant=two,

```




```

3866 DetectColumn=off,
3867 fontsizescale=\@ne,
3868 latinfontsizescale=\@ne,
3869 mathfontsizescale=\@ne,
3870 baselineskip scale=\@ne,
3871 latinbaselineskip scale=\@ne
3872 }
3873
3874 \ProcessOptionsX
3875
3876 \if@extrafootnotefeatures
3877 \input{extrafootnotefeatures-xetex-bidi.def}
3878 \input{extrafootnotefeatures-xepersian.def}
3879 \fi
3880
3881 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
3882 \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
3883 }{}{}
3884
3885 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
3886 \@tempskipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
3887 }{}{}
3888
3889
3890 \newcommand*{\xepersian@@@update@math@fontsize}[1]{%
3891 \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
3892 \dimexpr 1pt * \dimexpr #1 pt\relax /
3893 \dimexpr \xepersian@@@fontsize@scale pt\relax
3894 \relax\relax
3895 }
3896
3897 \bidi@patchcmd{\getanddefine@fonts}{%
3898 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3899 }{%
3900 \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size\endcsname}%
3901 }{}{}
3902
3903 \bidi@patchcmd{\getanddefine@fonts}{%
3904 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3905 }{%
3906 \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sf@size\endcsname}%
3907 }{}{}
3908
3909 \bidi@patchcmd{\getanddefine@fonts}{%
3910 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3911 }{%
3912 \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size\endcsname}%
3913 }{}{}
3914
3915

```



```

3916 \if@xepersian@@computeautoilg
3917 \bidi@patchcmd{\set@fontsize}{%
3918 \baselineskip\f@baselineskip\relax
3919 }{%
3920 \baselineskip\f@baselineskip\relax
3921 \xepersian@computeautoilg
3922 \ifdim\xepersian@strutilg>\baselineskip
3923 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
3924 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3925 \baselineskip\xepersian@strutilg
3926 \ifdim\footnotesep=.7\baselineskip
3927 \else
3928 \footnotesep.7\baselineskip
3929 \fi
3930 \fi
3931 }{}{}
3932 \fi
3933
3934 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3935 \PersianAlphs

```

7.57 xepersian-magazine.cls

```

3936 \NeedsTeXFormat{LaTeX2e}
3937 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3938 \RequirePackage{ifthen}
3939 \newlength{\xepersian@imgsize}
3940 \newlength{\xepersian@coltitsize}
3941 \newlength{\xepersian@pageneed}
3942 \newlength{\xepersian@pageleft}
3943 \newlength{\xepersian@indexwidth}
3944 \newcommand{\xepersian@ncolumns}{0}
3945 \newlength{\columnlines}
3946 \setlength{\columnlines}{0 pt} % no lines by default
3947 \newboolean{xepersian@hyphenatedtitles}
3948 \setboolean{xepersian@hyphenatedtitles}{true}
3949 \newboolean{xepersian@ninepoints}
3950 \setboolean{xepersian@ninepoints}{false}
3951 \newboolean{xepersian@showgrid}
3952 \setboolean{xepersian@showgrid}{false}
3953 \newboolean{xepersian@a3paper}
3954 \setboolean{xepersian@a3paper}{false}
3955 \newboolean{xepersian@insidefrontpage}
3956 \setboolean{xepersian@insidefrontpage}{false}
3957 \newboolean{xepersian@insideweather}
3958 \setboolean{xepersian@insideweather}{false}
3959 \newboolean{xepersian@insideindex}
3960 \setboolean{xepersian@insideindex}{false}
3961 \newcount\xepersian@gridrows
3962 \newcount\xepersian@gridcolumns

```



```

3963 \xepersian@gridrows=40
3964 \xepersian@gridcolumns=50
3965 \newcount\minraggedcols
3966 \minraggedcols=5
3967 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3968 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3969 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3970 \DeclareOption{twocolumn}%
3971 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3972 \DeclareOption{notitlepage}%
3973 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3974 \DeclareOption{twoside}%
3975 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3976 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3977 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3978 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3979 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3980 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3981 \ProcessOptions\relax
3982 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3983 \RequirePackage{ifxetex}
3984 \RequirePackage{multido}
3985 \RequirePackage{datetime}
3986 \RequirePackage{multicol}
3987 \RequirePackage{fancyhdr}
3988 \RequirePackage{fancybox}
3989 \ifthenelse{\boolean{xepersian@a3paper}}{%
3990 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3991 }{
3992 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3993 }
3994 \RequirePackage[absolute]{textpos} % absolute positioning
3995 \RequirePackage{hyphenat} % when hyphenate
3996 \RequirePackage{lastpage} % to know the last page number
3997 \RequirePackage{setspace} % set space between lines
3998 \RequirePackage{ragged2e}
3999 \newcommand{\raggedFormat}{\RaggedLeft}
4000 \AtEndOfClass{\xepersianInit}
4001 \ifthenelse{\boolean{xepersian@showgrid}}{%
4002 \AtBeginDocument{
4003 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4004 \advance\minraggedcols by -1
4005 }{%
4006 \AtBeginDocument{
4007 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4008 \advance\minraggedcols by -1
4009 }
4010 \ifthenelse{\boolean{xepersian@ninepoints}}{
4011 \renewcommand{\normalsize}{%
4012 \setfontsize{\normalsize}{9pt}{10pt}%

```



```

4013 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4014 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4015 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4016 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4017
4018 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
4019
4020 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4021
4022 \renewcommand{\small}{\%
4023   \@setfontsize{\small}{8pt}{9pt}%
4024   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4025   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4026   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4027   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4028
4029 \renewcommand{\footnotesize}{\%
4030   \@setfontsize{\footnotesize}{8pt}{9pt}%
4031   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4032   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4033   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4034   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4035
4036 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4037 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4038 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4039 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4040 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4041 \}{}
4042 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4043 \newcommand{\xepersian@wwwFormat}{\sffamily}
4044 \newcommand{\xepersian@www}{\%
4045 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
4046 }
4047 \newcommand{\xepersian@edition}{\{
4048 \newcommand{\editionFormat}{\large\bfseries\texttt}
4049 \newcommand{\xepersian@editionLogo}{\%
4050 \raisebox{-3pt}{\%
4051 {\editionFormat\xepersian@edition}%
4052 }%
4053 }
4054 \newcommand{\indexFormat}{\large\bfseries}
4055 \newcommand{\xepersian@indexFrameTitle}[1]
4056 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
4057
4058 \newcommand{\indexEntryFormat}{\normalsize}
4059 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4060 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4061 \end{minipage}}
4062 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}

```



```

4063 \newcommand{\indexEntryPageTxt}{ }
4064 \newcommand{\indexEntryPageFormat}{\footnotesize}
4065 \newcommand{\xepersian@indexEntryPage}[1]{%
4066 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4067 }
4068 \newcommand{\headDateTimeFormat}{}
4069 \newcommand{\xepersian@headDateTime}{%
4070 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4071 \currenttime %
4072 }
4073 \newcommand{\weatherFormat}{\bfseries}
4074 \newcommand{\xepersian@weather}[1]{%
4075 \noindent{\weatherFormat #1}%
4076 }
4077 \newcommand{\weatherTempFormat}{\small}
4078 \newcommand{\weatherUnits}{\textdegree{C}}
4079 \newcommand{\xepersian@section}[0]{ {
4080 \newcommand{\xepersian@headleft}{%
4081 {\small\bfseries \@custommagazinename} \date
4082 }
4083 \newcommand{\xepersian@headcenter}{%
4084 \xepersian@section{}
4085 }
4086 \newcommand{\xepersian@headright}{%
4087 \small\xepersian@edition%
4088 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4089 }
4090
4091 \newcommand{\heading}[3]{%
4092 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4093 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4094 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4095 }
4096 \newcommand{\xepersian@footright}{%
4097 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4098 }
4099 \newcommand{\xepersian@footcenter}{%
4100 }
4101 \newcommand{\xepersian@footleft}{%
4102 }
4103
4104 \newcommand{\foot}[3]{%
4105 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4106 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4107 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4108 }
4109 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4110 \newcommand{\xepersian@firstTitle}[1]{%
4111 {%
4112 \begin{spacing}{2.0}{%

```



```

4113 \noindent\ignorespaces
4114 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4115 {\nohyphens{\firstTitleFormat #1}}%
4116 {\firstTitleFormat #1}}%
4117 }%
4118 \end{spacing}%
4119 }%
4120 }
4121 \newcommand{\firstTextFormat}{%
4122 \newcommand{\xepersian@firstText}[1]{%
4123 {\noindent\ignorespaces\firstTextFormat #1}%
4124 }
4125 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4126 \newcommand{\xepersian@secondTitle}[1]{%
4127 \begin{spacing}{1.5}{%
4128 \noindent\ignorespaces\flushright
4129 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4130 {\nohyphens{\secondTitleFormat #1}}%
4131 {\secondTitleFormat #1}}%
4132 }\end{spacing}%
4133 }
4134 \newcommand{\secondSubtitleFormat}{\large}
4135 \newcommand{\xepersian@secondSubtitle}[1]{%
4136 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
4137 }
4138 \newcommand{\secondTextFormat}{%
4139 \newcommand{\xepersian@secondText}[1]{%
4140 \begin{multicols}{2}
4141 {\noindent\ignorespaces\secondTextFormat #1}
4142 \end{multicols}
4143 }
4144 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4145 \newcommand{\xepersian@thirdTitle}[1]{%
4146 \begin{spacing}{1.5}{%
4147 \noindent\ignorespaces\flushright
4148 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4149 {\nohyphens{\thirdTitleFormat #1}}%
4150 {\thirdTitleFormat #1}}%
4151 }\end{spacing}%
4152 }
4153 \newcommand{\thirdSubtitleFormat}{\large}
4154 \newcommand{\xepersian@thirdSubtitle}[1]{%
4155 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4156 \newcommand{\thirdTextFormat}{%
4157 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4158 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4159 \newcommand{\xepersian@pictureCaption}[1]{%
4160 {\noindent\pictureCaptionFormat #1}}%
4161 }
4162 \newcommand{\pagesFormat}{\bfseries\footnotesize}

```



```

4163 \newcommand{\xepersian@pages}[1]%
4164 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4165 \newcommand{\innerTitleFormat}{\Huge}
4166 \newcommand{\xepersian@innerTitle}[1]{%
4167 \begin{flushright}{%
4168 \noindent
4169 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4170 {\nohyphens{\innerTitleFormat #1}}%
4171 {\innerTitleFormat #1}}%
4172 }%
4173 \\\%
4174 \end{flushright}}%
4175 }
4176 \newcommand{\innerSubtitleFormat}{\large}
4177 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4178 \newcommand{\timestampTxt}{}
4179 \newcommand{\timestampSeparator}{|}
4180 \newcommand{\timestampFormat}{\small}
4181 \newcommand{\timestamp}[1]{%
4182 {\timestampFormat%
4183 #1~\timestampTxt}%
4184 }~\timestampSeparator}%
4185 }
4186 \newcommand{\innerAuthorFormat}{\footnotesize}
4187 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4188 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4189 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4190 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4191 \newcommand{\editorialAuthorFormat}{\textsc}
4192 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4193 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4194 \newcommand{\shortarticleSubtitleFormat}{\Large}
4195 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4196 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4197 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4198 \renewcommand{\maketitle}{\begin{titlepage}%
4199 \let\footnotesize\small
4200 \let\footnoterule\relax
4201 \let\footnote\thanks
4202 \null\vfil
4203 \vskip 60\p@
4204 \begin{center}%
4205 {\LARGE \@title \par}%
4206 \vskip 1em%
4207 {\LARGE «\xepersian@edition» \par}%
4208 \vskip 3em%
4209 {\large
4210 \lineskip .75em%
4211 \begin{tabular}[t]{c}%
4212 \@author

```



```

4213     \end{tabular}\par}%
4214     \vskip 1.5em%
4215     {\large \@date \par}%
4216 \end{center}\par
4217 \@thanks
4218 \vfil\null
4219 \end{titlepage}%
4220 \setcounter{footnote}{0}%
4221 \global\let\thanks\relax
4222 \global\let\maketitle\relax
4223 \global\let\@thanks\@empty
4224 \global\let\@author\@empty
4225 \global\let\@date\@empty
4226 \global\let\@title\@empty
4227 \global\let\title\relax
4228 \global\let\author\relax
4229 \global\let\date\relax
4230 \global\let\and\relax
4231 }
4232 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4233 \newsavebox{\xepersian@fmbox}
4234 \newenvironment{xepersian@fmpage}[1]
4235 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4236 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4237 \newcommand{\image}[2]{
4238 \vspace{5pt}
4239 \setlength{\fboxsep}{1pt}
4240 \addtolength{\xepersian@imgsize}{\columnwidth}
4241 \addtolength{\xepersian@imgsize}{-1\columnsep}
4242 \ifxetex
4243 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4244 \addtolength{\xepersian@pageneed}{50pt}
4245 \ClassWarning{xepersian-magazine}{%
4246 Image #1 needs: \the\xepersian@pageneed \space %
4247 and there is left: \the\page@free\space%
4248 }
4249 \ifdim \xepersian@pageneed < \page@free
4250
4251 {\centering\fbox{%
4252 \includegraphics[width = \xepersian@imgsize,
4253 height = \xepersian@imgsize,
4254 keepaspectratio ]{#1}}}
4255 \xepersian@pictureCaption{#2}
4256
4257 \vspace{5pt}
4258 \else
4259 \ClassWarning{Image #1 needs more space!%
4260 It was not inserted!}
4261 \fi
4262 \fi

```




```

4263 }
4264 \textblockorigin{1cm}{1cm}
4265 \newdimen\xepersian@dx
4266 \newdimen\xepersian@dy
4267 \newcount\xepersian@cx
4268 \newcount\xepersian@cy
4269 \newcommand{\grid}[3][]{
4270 \xepersian@dx=\textwidth%
4271 \xepersian@dy=\textheight%
4272 \xepersian@cx=#3% %columns
4273 \xepersian@cy=#2% %rows
4274
4275 \count1=#3%
4276 \advance\count1 by 1
4277
4278 \count2=#2%
4279 \advance\count2 by 1
4280
4281 \divide\xepersian@dx by #3
4282 \divide\xepersian@dy by #2
4283
4284 \setlength{\TPHorizModule}{\xepersian@dx}
4285 \setlength{\TPVertModule}{\xepersian@dy}
4286
4287 \ifthenelse{\equal{#1}{show}}{
4288 \multido{\xepersian@nrow=0+1}{\count2}{
4289 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4290 \rule[0pt]{\textwidth}{.1pt}
4291 \end{textblock}
4292 }
4293
4294 \multido{\xepersian@ncol=0+1}{\count1}{
4295 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4296 \rule[0pt]{.1pt}{\textheight}
4297 \end{textblock}
4298 }
4299 }{}
4300 }
4301 \newcommand{\xepersianInit}{
4302 \setlength{\headheight}{14pt}
4303 \renewcommand{\headrulewidth}{0.4pt}
4304
4305 \pagestyle{fancy}
4306
4307 \setlength{\columnseprule}{\columnlines}
4308 \setlength{\fboxrule}{0.1 pt}
4309
4310 }
4311
4312 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}

```



```

4313 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4314 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4315 \newcommand{\logo}[0]{
4316 %% Heading %%
4317 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4318
4319 \vspace*{-3pt}
4320
4321 {\Large\bfseries \@customlogo}
4322 \hrulefill
4323 \hspace{10pt}\xepersian@headDateTime
4324
4325 }
4326 \newcommand{\minilogo}[0]{
4327 {\large\bfseries \@customminilogo}
4328
4329 \vspace*{5pt}
4330 }
4331 \newcommand{\mylogo}[1]{
4332 {\beginR#1\endR}
4333
4334 \noindent
4335 \xepersian@editionLogo\hspace{5pt}
4336 \hrulefill
4337 \hspace{5pt}\xepersian@headDateTime
4338 }
4339 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4340 \newenvironment{frontpage}[0]
4341 {
4342 \setboolean{xepersian@insidefrontpage}{true}
4343 \thispagestyle{empty}
4344 \logo
4345
4346 }%
4347 {
4348 \thispagestyle{empty}
4349 \clearpage
4350 \newpage
4351 \fancyhead{}
4352 \fancyfoot{}
4353 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4354 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4355 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4356 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4357 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4358 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4359 \renewcommand{\headrulewidth}{0.4pt}
4360 \setboolean{xepersian@insidefrontpage}{false}
4361
4362 }

```



```

4363 \newcommand{\firstarticle}[3]
4364 {
4365 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4366 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4367 \begin{textblock}{24}(22,5)
4368 }
4369 {
4370 \begin{textblock}{28}(22,5)
4371 }
4372 \vspace{-7pt}
4373 \xepersian@firstTitle{#1}
4374 \end{textblock}
4375 \begin{textblock}{29}(22,10)
4376 \vspace{5pt plus 2pt minus 2pt}
4377
4378 \xepersian@firstText{\timestamp{#3}~#2}
4379
4380 \end{textblock}
4381
4382 \begin{textblock}{50}(0,15)
4383 \rule{50\TPHorizModule}{.3pt}
4384 \end{textblock}
4385 }{%else
4386 \ClassError{xepersian-magazine}{%
4387 \protect\firstarticle\space in a wrong place.\MessageBreak
4388 \protect\firstarticle\space may only appear inside frontpage environment.
4389 }{%
4390 \protect\firstarticle\space may only appear inside frontpage environment.
4391 }%
4392 }
4393 }
4394 \newcommand{\secondarticle}[5]
4395 {
4396 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4397 \begin{textblock}{33}(2,16)
4398 \xepersian@pages{#4}
4399 \vspace{-5pt}
4400 \xepersian@secondTitle{#1}
4401
4402 \vspace*{5pt}
4403
4404 \xepersian@secondSubtitle{#2}
4405
4406 \vspace*{-7pt}
4407
4408 \xepersian@secondText{\timestamp{#5}~#3}
4409
4410 \end{textblock}
4411
4412 \begin{textblock}{33}(2,25)

```



```

4413 \vspace{5pt plus 2pt minus 2pt}
4414
4415 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4416 \end{textblock}
4417 }{%else
4418 \ClassError{xepersian-magazine}{%
4419 \protect\secondarticle\space in a wrong place.\MessageBreak
4420 \protect\secondarticle\space may only appear inside frontpage environment.
4421 }{%
4422 \protect\secondarticle\space may only appear inside frontpage environment.
4423 }%
4424 }
4425 }
4426 \newcommand{\thirdarticle}[6]
4427 {
4428 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4429 \begin{textblock}{32}(2,26)
4430 \xepersian@pages{#5}
4431 \vspace{-5pt}
4432 \setlength{\fboxsep}{1pt}
4433 \xepersian@thirdTitle{#1}
4434
4435 \vspace*{5pt}
4436
4437 \xepersian@thirdSubtitle{#2}
4438
4439 \vspace*{5pt}
4440
4441 {\noindent\ignorespaces %
4442 \ifthenelse{\equal{#4}{}}{}
4443
4444 \xepersian@thirdText{\timestamp{#6}~#3}
4445
4446 }
4447
4448 \vspace*{5pt}
4449
4450 \end{textblock}
4451 }{%else
4452 \ClassError{xepersian-magazine}{%
4453 \protect\thirdarticle\space in a wrong place.\MessageBreak
4454 \protect\thirdarticle\space may only appear inside frontpage environment.
4455 }{%
4456 \protect\thirdarticle\space may only appear inside frontpage environment.
4457 }%
4458 }
4459 }
4460 \newcommand{\firstimage}[2]
4461 {
4462 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

4463 \begin{textblock}{18}(2,5)
4464 \setlength{\fboxsep}{1pt}
4465 \ifxetex % only in PDF
4466 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4467 \fi
4468
4469 \xepersian@pictureCaption{#2}
4470 \end{textblock}%
4471 }
4472 {\ClassError{xepersian-magazine}{%
4473 \protect\firstimage\space in a wrong place.\MessageBreak
4474 \protect\firstimage\space may only appear inside frontpage environment.
4475 }{%
4476 \protect\firstimage\space may only appear inside frontpage environment.
4477 }}
4478 }%
4479 \newcommand{\weatheritem}[5]{%
4480 \ifthenelse{\boolean{xepersian@insideweather}}{%
4481 \begin{minipage}{45pt}
4482 \ifxetex
4483 \includegraphics[width=40pt]{#1}
4484 \fi
4485 \end{minipage}
4486 \begin{minipage}{50pt}
4487 \weatherTempFormat
4488 #2\\
4489 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4490 #5
4491 \end{minipage}
4492 }{%else
4493 \ClassError{xepersian-magazine}{%
4494 \protect\weatheritem\space in a wrong place.\MessageBreak
4495 \protect\weatheritem\space may only appear inside weatherblock environment.
4496 }{%
4497 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4498 weatherblock environment may only appear inside frontpage environment.
4499 }%
4500 }
4501 }
4502 \newenvironment{weatherblock}[1]
4503 {
4504 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4505 \setboolean{xepersian@insideweather}{true}
4506 \begin{textblock}{32}(2,38)
4507 \vspace*{-15pt}
4508
4509 \xepersian@weather{\beginR#1\endR}
4510
4511 \vspace*{5pt}
4512

```



```

4513 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4514 \begin{minipage}{32\TPHorizModule}
4515 \hspace{5pt}
4516
4517 }{%
4518 \ClassError{xepersian-magazine}{%
4519 weatherblock in a wrong place.\MessageBreak
4520 weatherblock may only appear inside frontpage environment.
4521 }{%
4522 weatherblock may only appear inside frontpage environment.
4523 }
4524 }
4525 }%
4526 {
4527 \end{minipage}
4528 \end{xepersian@fmpage}
4529 \end{textblock}
4530 \setboolean{xepersian@insideweather}{false}
4531 }
4532 \newenvironment{authorblock}[0]
4533 {
4534 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4535 \begin{textblock}{15}(36,35)
4536 \setlength{\fboxsep}{5pt}
4537 \begin{xepersian@fmpage}{13\TPHorizModule}
4538 \begin{minipage}{13\TPHorizModule}
4539 \centering
4540 \minilogo
4541
4542 }{%else
4543 \ClassError{xepersian-magazine}{%
4544 authorblock in a wrong place.\MessageBreak
4545 authorblock may only appear inside frontpage environment.
4546 }{%
4547 authorblock may only appear inside frontpage environment.
4548 }
4549 }
4550 }
4551 {
4552 \end{minipage}
4553 \end{xepersian@fmpage}
4554 \end{textblock}
4555 }
4556 \newenvironment{indexblock}[1]
4557 {
4558 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4559 \setboolean{xepersian@insideindex}{true}%let's in
4560 \begin{textblock}{15}(36,16)
4561 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4562 \xepersian@indexFrameTitle{#1}

```



```

4563
4564 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4565 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4566 \begin{minipage}{\xepersian@indexwidth}
4567 \vspace*{10pt}
4568 }{%else
4569 \ClassError{xepersian-magazine}{%
4570 indexblock in a wrong place.\MessageBreak
4571 indexblock may only appear inside frontpage environment.
4572 }{%
4573 indexblock may only appear inside frontpage environment.
4574 }
4575 }
4576 }%
4577 {
4578 \end{minipage}
4579 \end{xepersian@fmpage}
4580 \end{textblock}
4581 \setboolean{xepersian@insideindex}{false}%let's out
4582 }
4583 \newcommand{\indexitem}[2]
4584 {
4585 \ifthenelse{\boolean{xepersian@insideindex}}{
4586 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4587
4588 \vspace{0.5cm}
4589
4590 \noindent\ignorespaces\indexEntrySeparator{
4591 }{%else
4592 \ClassError{xepersian-magazine}{%
4593 \protect\indexitem\space in a wrong place.\MessageBreak
4594 \protect\indexitem\space may only appear inside indexblock environment.
4595 }{%
4596 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4597 indexblock environment may only appear inside frontpage environment.
4598 }%
4599 }
4600 }
4601 \newcommand{\xepersian@inexpandedtitle}[1]{
4602 \begin{minipage}{.95\textwidth}
4603 \begin{center}
4604 \noindent\Large\textbf{\beginR#1\endR}
4605 \end{center}
4606 \end{minipage}
4607 }
4608 \newcommand{\expandedtitle}[2]{
4609 \end{multicols}
4610
4611 \begin{center}
4612 \setlength{\fboxsep}{5pt}

```



```

4613 \setlength{\shadowsize}{2pt}
4614 \ifthenelse{\equal{#1}{shadowbox}}{%
4615 \shadowbox{%
4616 \xepersian@inexpandedtitle{#2}%
4617 }%
4618 }{}
4619 \ifthenelse{\equal{#1}{doublebox}}{%
4620 \doublebox{%
4621 \xepersian@inexpandedtitle{#2}%
4622 }%
4623 }{}
4624 \ifthenelse{\equal{#1}{ovalbox}}{%
4625 \ovalbox{%
4626 \xepersian@inexpandedtitle{#2}%
4627 }%
4628 }{}
4629 \ifthenelse{\equal{#1}{ovalbox}}{%
4630 \ovalbox{%
4631 \xepersian@inexpandedtitle{#2}%
4632 }%
4633 }{}
4634 \ifthenelse{\equal{#1}{lines}}{
4635 \hrule
4636 \vspace*{8pt}
4637 \begin{center}
4638 \noindent\Large\textbf{#2}
4639 \end{center}
4640 \vspace*{8pt}
4641 \hrule
4642 }{}
4643 \end{center}
4644
4645 \begin{multicols}{\xepersian@ncolumns}
4646 \ifnum \xepersian@ncolumns > \minraggedcols
4647 \raggedFormat
4648 \fi
4649 }
4650 \newcommand{\xepersian@incolumntitle}[2]{
4651 \begin{minipage}{#1}
4652 \begin{center}
4653 \noindent\normalsize\textbf{#2}
4654 \end{center}
4655 \end{minipage}
4656 }
4657
4658 \newcommand{\columnntitle}[2]{
4659 \vspace*{5pt}
4660 \begin{center}
4661 \setlength{\fboxsep}{5pt}
4662 \setlength{\shadowsize}{2pt}

```




```

4663 \addtolength{\xepersian@coltitsize}{\columnwidth}
4664 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4665 \addtolength{\xepersian@coltitsize}{-5pt}
4666 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4667 \ifthenelse{\equal{#1}{shadowbox}}{%
4668 \shadowbox{%
4669 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4670 }%
4671 }{}
4672 \ifthenelse{\equal{#1}{doublebox}}{%
4673 \doublebox{%
4674 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4675 }%
4676 }{}
4677 \ifthenelse{\equal{#1}{ovalbox}}{%
4678 \ovalbox{%
4679 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4680 }%
4681 }{}
4682 \ifthenelse{\equal{#1}{ovalbox}}{%
4683 \Ovalbox{%
4684 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4685 }%
4686 }{}
4687 \ifthenelse{\equal{#1}{lines}}{
4688 \hrule
4689 \vspace*{5pt}
4690 \begin{center}
4691 \noindent\normalsize\textbf{#2}
4692 \end{center}
4693 \vspace*{5pt}
4694 \hrule
4695 }{}
4696 \end{center}
4697 }
4698 \renewcommand{\date}{%
4699 \longdate{\today}%
4700 }
4701 \newcommand{\authorandplace}[2]{%
4702 \rightline{%
4703 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4704 }%
4705 \par %
4706 }
4707 \newcommand{\newsection}[1]{
4708 \renewcommand{\xepersian@section}{#1}
4709 }
4710 \newenvironment{article}[5]
4711 {
4712 \xepersian@say{Adding a new piece of article}

```



```

4713 \renewcommand{\xepersian@ncolumns}{#1}
4714 \begin{multicols}{#1}[
4715 \xepersian@pages{#4}
4716 \xepersian@innerTitle{#2}%
4717 \xepersian@innerSubtitle{#3}%
4718 ] [4cm]%
4719 \label{#5}
4720 \ifnum #1 > \minraggedcols
4721 \raggedFormat
4722 \fi
4723 }
4724 {\sim\innerTextFinalMark{}
4725 \end{multicols}
4726 }
4727 \newcommand{\articlesep}{%
4728 \setlength{\xepersian@pageneed}{16000pt}
4729 \setlength\xepersian@pageleft{\pagegoal}
4730 \addtolength\xepersian@pageleft{-\pagetotal}
4731
4732 \xepersian@say{How much left \the\xepersian@pageleft}
4733
4734 \ifdim \xepersian@pageneed < \xepersian@pageleft
4735 \xepersian@say{Not enough space}
4736 \else
4737 \xepersian@say{Adding sep line between articles}
4738 \vspace*{10pt plus 10pt minus 5pt}
4739 \hrule
4740 \vspace*{10pt plus 5pt minus 5pt}
4741 \fi
4742
4743 }
4744 \newcommand{\xepersian@editorialTit}[2]{
4745 \setlength{\arrayrulewidth}{.1pt}
4746 \begin{center}
4747 \begin{tabular}{c}
4748 \noindent
4749 \xepersian@editorialTitle{#1}
4750 \vspace{2pt plus 1pt minus 1pt}
4751 \\
4752 \hline
4753 \vspace{2pt plus 1pt minus 1pt}
4754 \\
4755 \editorialAuthorFormat{#2}
4756 \end{tabular}
4757 \end{center}
4758 }
4759 \newenvironment{editorial}[4]
4760 {
4761 \xepersian@say{Adding a new editorial}
4762 \begin{multicols}{#1}[%

```



```

4763 \xepersian@editorialTit{#2}{#3}%
4764 ] [4cm]
4765 \label{#4}
4766 \ifnum #1 > \minraggedcols
4767 \raggedFormat
4768 \fi
4769 }
4770 {
4771 \end{multicols}
4772 }
4773 \newcommand{\xepersian@shortarticleTit}[2]{
4774 \begin{center}
4775 \vbox{%
4776 \noindent
4777 \xepersian@shortarticleTitle{#1}
4778 \vspace{4pt plus 2pt minus 2pt}
4779 \hrule
4780 \vspace{4pt plus 2pt minus 2pt}
4781 \xepersian@shortarticleSubtitle{#2}
4782 }
4783 \end{center}
4784 }
4785 \newenvironment{shortarticle}[4]
4786 {
4787 \xepersian@say{Adding a short article block}
4788 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4789 \label{#4}
4790 \par %
4791 \ifnum #1 > \minraggedcols
4792 \raggedFormat
4793 \fi
4794 }
4795 {
4796 \end{multicols}
4797 }
4798 \newcommand{\shortarticleitem}[2]{
4799 \goodbreak
4800 \vspace{5pt plus 3pt minus 3pt}
4801 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4802 \vspace{5pt plus 3pt minus 3pt}
4803 {\noindent #2}\\
4804 }

```

7.58 xepersian-mathsdigitspec.sty

```

4805 \NeedsTeXFormat{LaTeX2e}
4806 \ProvidesPackage{xepersian-mathsdigitspec}
4807 [2018/01/01 v1.1.5 Unicode Persian maths digits in XeLaTeX]
4808 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4809 \let\newfam\new@mathgroup

```



```

4810 \def\select@group#1#2#3#4{%
4811 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4812 {%
4813 \ifmmode
4814 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4815 \begingroup
4816 \escapechar\m@ne
4817 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4818 \globaldefs\@ne \math@fonts
4819 \endgroup
4820 \init@restore@version
4821 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4822 {\number\csname c@mv@\math@version\endcsname}}}%
4823 \global\advance\csname c@mv@\math@version\endcsname\@ne
4824 \else
4825 \let#1\relax
4826 \@latex@error{Too many math alphabets used in
4827 version \math@version}%
4828 \@eha
4829 \fi
4830 \else \expandafter\non@alpherr\fi
4831 #1{#4}%
4832 }%
4833 }
4834 \def\document@select@group#1#2#3#4{%
4835 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4836 {%
4837 \ifmmode
4838 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4839 \begingroup
4840 \escapechar\m@ne
4841 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4842 \globaldefs\@ne \math@fonts
4843 \endgroup
4844 \expandafter\extract@alph@from@version
4845 \csname mv@\math@version\expandafter\endcsname
4846 \expandafter{\number\csname
4847 c@mv@\math@version\endcsname}%
4848 #1%
4849 \global\advance\csname c@mv@\math@version\endcsname\@ne
4850 \else
4851 \let#1\relax
4852 \@latex@error{Too many math alphabets used
4853 in version \math@version}%
4854 \@eha
4855 \fi
4856 \else \expandafter\non@alpherr\fi
4857 #1{#4}%
4858 }%
4859 }

```



```

4860 \ExplSyntaxOn
4861 \bool_set_false:N \g__fontspec_math_bool
4862 \tl_map_inline:nn
4863 {
4864   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4865   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4866   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4867   \version@list\version@elt\alpha@list\alpha@elt
4868   \restore@mathversion\init@restore@version\dorestore@version\process@table
4869   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4870   \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4871   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4872   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4873   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4874   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4875   \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4876   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4877 }
4878 {
4879   \tl_remove_once:Nn \@preamblecmds {\do#1}
4880 }
4881 \ExplSyntaxOff
4882 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4883 \newcommand\SetMathCode[4]{%
4884   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4885 \newcommand\SetMathCharDef[4]{%
4886   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4887 \ExplSyntaxOn
4888 \cs_new_eq:NN \orig_mathbf:n \mathbf
4889 \cs_new_eq:NN \orig_mathit:n \mathit
4890 \cs_new_eq:NN \orig_mathrm:n \mathrm
4891 \cs_new_eq:NN \orig_mathsf:n \mathsf
4892 \cs_new_eq:NN \orig_mathtt:n \mathtt
4893 \NewDocumentCommand \new@mathbf { m } {
4894   \orig_mathbf:n {
4895     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4896       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4897     }
4898     #1
4899   }
4900 }
4901 \NewDocumentCommand \new@mathit { m } {
4902   \orig_mathit:n {
4903     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4904       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4905     }
4906     #1
4907   }
4908 }
4909 \NewDocumentCommand \new@mathrm { m } {

```



```

4910 \orig_mathrm:n {
4911   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4912     \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4913   }
4914   #1
4915 }
4916 }
4917 \NewDocumentCommand \new@mathsf{ m } {
4918   \orig_mathsf:n {
4919     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4920       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4921     }
4922     #1
4923   }
4924 }
4925 \NewDocumentCommand \new@mathtt{ m } {
4926   \orig_mathtt:n {
4927     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4928       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4929     }
4930     #1
4931   }
4932 }
4933
4934 \DeclareDocumentCommand \setmathdigitfont { 0{ } m 0{ } }
4935 {
4936   \__xepersian_main_setmathdigitfont:nnn {#1} {#2} {#3}
4937 }
4938 \cs_set:Nn \__xepersian_main_setmathdigitfont:nnn
4939 {
4940   \let\glb@currsz\relax
4941   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4942   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4943   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4944   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4945   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4946   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4947   \def\persianmathsdigits{%
4948     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4949     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4950     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4951     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4952     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4953     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4954     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4955     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4956     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4957     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4958     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

```



```

4959 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4960 \tl_set_eq:NN \mathbf \new@mathbf
4961 \tl_set_eq:NN \mathit \new@mathit
4962 \tl_set_eq:NN \mathrm \new@mathrm}
4963 }
4964
4965
4966 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4967 {
4968     \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4969 }
4970 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4971 {
4972     \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4973     \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4974     \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4975 }
4976
4977
4978
4979 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4980 {
4981     \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4982 }
4983 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4984 {
4985     \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4986     \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4987     \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4988 }
4989
4990 \ExplSyntaxOff
4991 \ifx\newcommand\undefined\else
4992     \newcommand{\ZifferAn}{}
4993 \fi
4994 \mathchardef\ziffer@DotOri="013A
4995 {\ZifferAn
4996 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4997 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4998 \def\ziffer@check#1#2{%
4999     \ifx\n1\endgroup#1\else
5000     \ifx\n2\endgroup#1\else
5001     \ifx\n3\endgroup#1\else
5002     \ifx\n4\endgroup#1\else
5003     \ifx\n5\endgroup#1\else
5004     \ifx\n6\endgroup#1\else
5005     \ifx\n7\endgroup#1\else
5006     \ifx\n8\endgroup#1\else
5007     \ifx\n9\endgroup#1\else
5008     \ifx\n0\endgroup#1\else

```



```

5009             \ifx\n\overline\endgroup#1\else
5010             \endgroup#2%
5011         \fi
5012     \fi
5013 \fi
5014 \fi
5015 \fi
5016 \fi
5017 \fi
5018 \fi
5019 \fi
5020 \fi
5021 \fi}
5022 \mathcode`.="8000\relax
5023 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
5024 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
5025 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
5026 \def\DefaultMathsDigits{%
5027     \DefaultInlineMathsDigits%
5028     \DefaultDisplayMathsDigits%
5029 }
5030 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
5031 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5032 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5033 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
5034 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5035 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5036 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5037 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
5038 \def\PersianMathsDigits{%
5039     \PersianInlineMathsDigits%
5040     \PersianDisplayMathsDigits%
5041 }
5042 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
5043 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5044 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5045 \ifx\persianmathhttdigits\undefined\else\if@nonlatin\persianmathhttdigits\fi\fi}}
5046 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5047 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5048 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5049 \ifx\persianmathhttdigits\undefined\else\if@nonlatin\persianmathhttdigits\fi\fi}}
5050 \def\AutoMathsDigits{%
5051     \AutoInlineMathsDigits%
5052     \AutoDisplayMathsDigits%
5053 }
5054 \AutoMathsDigits
5055 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
5056 \let\SetDisplayMathsDigits\relax%
5057 }
5058 \everydisplay\expandafter{%

```




```

5059 \the\everydisplay\SetDisplayMathsDigits%
5060 \let\SetInlineMathsDigits\relax%
5061 }

```

7.59 xepersian-multiplechoice.sty

```

5062 \NeedsTeXFormat{LaTeX2e}
5063 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5064         Multiple Choice Questionnaire class for Persian in XeLaTeX]
5065 \RequirePackage{pifont}
5066 \RequirePackage{fullpage}
5067 \RequirePackage{ifthen}
5068 \RequirePackage{calc}
5069 \RequirePackage{verbatim}
5070 \RequirePackage{tabularx}
5071 \def\@headerfont{\bfseries}
5072 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5073 \def\@X{X}
5074 \newcommand\X[1]{\gdef\@X{#1}}
5075 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5076 \newcolumnntype{D}{>\pbs\centering}X}
5077 \newcolumnntype{Q}{>\@headerfont}X}
5078
5079 \renewcommand\tabularxcolumn[1]{m{#1}}
5080 \newcommand\makeform@nocorrection{%
5081   \addtocontents{frm}{\protect\end{tabularx}}
5082   \@starttoc{frm}}
5083 \newcommand\makeform@correction{%
5084   \addtocontents{frm}{\protect\end{tabularx}}}
5085 \newcommand\makemask@nocorrection{%
5086   \addtocontents{msk}{\protect\end{tabularx}}
5087   \@starttoc{msk}}
5088 \newcommand\makemask@correction{%
5089   \addtocontents{msk}{\protect\end{tabularx}}}
5090 \newlength\questionspace
5091 \setlength\questionspace{0pt}
5092 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5093 \def\@answerstitlefont{\bfseries}
5094 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5095 \def\@answernumberfont{\bfseries}
5096 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5097 \newcounter{question}\stepcounter{question}
5098 \newcounter{@choice}
5099 \def\@initorcheck{%
5100   \xdef\@choices{\the@choice}%
5101   \setcounter{@choice}{1}%
5102   \gdef\@arraydesc{IQI}%
5103   \gdef\@headerline{}%
5104   \whiledo{\not{\value{@choice}>\@choices}}{
5105     \xdef\@arraydesc{\@arraydesc D}}

```



```

5106 \def\@appendheader{\g@addto@macro\@headerline}
5107 \@appendheader{&\protect\@headerfont}
5108 \edef\@the@choice{\alph{choice}}
5109 \expandafter\@appendheader\@the@choice
5110 \stepcounter{choice}}%
5111 \addtocontents{frm}{%
5112 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5113 \protect\hline
5114 \@headerline\protect\\protect\hline\protect\hline}%
5115 \addtocontents{msk}{%
5116 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5117 \protect\hline
5118 \@headerline\protect\\protect\hline\protect\hline}%
5119 \gdef\@initorcheck{%
5120 \ifthenelse{\value{choice} = \@choices}{\%
5121 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5122 (\the@choice\space instead of \@choices)}{\%
5123 Questions must all have the same number of proposed answers.%
5124 \MessageBreak
5125 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
5126 \newenvironment{question}[1]{%
5127 %% \begin{question}
5128 \begin{minipage}{\textwidth}
5129 \xdef\@formanswerline{\@questionheader}%
5130 \xdef\@maskanswerline{\@questionheader}%
5131 \fbox{\parbox[c]{\linewidth}{#1}}
5132 \vspace\questionspace\par
5133 {\@answerstitlefont\@answerstitle}
5134 \begin{list}{\@answernumberfont\alph{choice}}~{\usecounter{choice}}}%
5135 %% \end{question}
5136 \end{list}
5137 \@initorcheck%
5138 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5139 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5140 \end{minipage}
5141 \stepcounter{question}}
5142 \def\@truesymbol{\ding{52}~}
5143 \def\@falsesymbol{\ding{56}~}
5144 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5145 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5146 \def\@true@nocorrection{\item}
5147 \def\@false@nocorrection{\item}
5148 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5149 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5150 \newcommand\true{%
5151 \xdef\@formanswerline{\@formanswerline&}%
5152 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5153 \@true}%
5154 \newcommand>false{%
5155 \xdef\@formanswerline{\@formanswerline&}%

```



```

5156 \xdef\@maskanswerline{\@maskanswerline&}%
5157 \@false}%
5158 \def\@correctionstyle{\itshape}
5159 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5160 \newenvironment{\correction}{\@correctionstyle}{%
5161 \def\@questionheader{\thequestion}
5162 \answerstyle{
5163 \DeclareOption{nocorrection}{%
5164 \let\@true\@true@nocorrection
5165 \let\@false\@false@nocorrection
5166 \let\correction\comment
5167 \let\endcorrection\endcomment
5168 \def\makeform{\makeform@nocorrection}
5169 \def\makemask{\makemask@nocorrection}}
5170 \DeclareOption{correction}{%
5171 \let\@true\@true@correction
5172 \let\@false\@false@correction
5173 \let\correction\@correction
5174 \let\endcorrection\end@correction
5175 \def\makeform{\makeform@correction}
5176 \def\makemask{\makemask@correction}}
5177 \ExecuteOptions{nocorrection}
5178 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5179 \def\@questiontitlefont{\bfseries}
5180 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5181 \newlength\questiontitlespace
5182 \setlength\questiontitlespace{5pt}
5183 \newlength\questionsepspace
5184 \setlength\questionsepspace{20pt}
5185 \gdef\@questionsepspace{0pt}
5186 \let\old@question\question
5187 \let\old@endquestion\endquestion
5188 \renewenvironment{question}[1]{%
5189 %% \begin{question}
5190 \vspace\@questionsepspace
5191 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5192 \nopagebreak\vspace\questiontitlespace\par
5193 \old@question{#1}}{%
5194 %% \end{question}
5195 \old@endquestion
5196 \gdef\@questionsepspace{\questionsepspace}}
5197 \questiontitle{\thequestion:}
5198 \ProcessOptions

```

7.60 xepersian-persiancal.sty

```

5199 \NeedsTeXFormat{LaTeX2e}
5200 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5201
5202 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh

```



```

5203 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5204 \newcount\XePersian@latini \newcount\XePersian@persiani
5205 \newcount\XePersian@latinii \newcount\XePersian@persianii
5206 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5207 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5208 \newcount\XePersian@latinvi \newcount\XePersian@persianv
5209 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5210 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5211 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5212 \newcount\XePersian@latinix \newcount\XePersian@persianix
5213 \newcount\XePersian@latinx \newcount\XePersian@persianx
5214 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5215 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5216 \newcount\XePersian@persianxiii
5217
5218 \newcount\XePersian@temp
5219 \newcount\XePersian@temptwo
5220 \newcount\XePersian@tempthree
5221 \newcount\XePersian@yModHundred
5222 \newcount\XePersian@thirtytwo
5223 \newcount\XePersian@dn
5224 \newcount\XePersian@sn
5225 \newcount\XePersian@mminusone
5226
5227
5228 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5229 \XePersian@temp=\XePersian@y
5230 \divide\XePersian@temp by 100\relax
5231 \multiply\XePersian@temp by 100\relax
5232 \XePersian@yModHundred=\XePersian@y
5233 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5234 \ifodd\XePersian@yModHundred
5235 \XePersian@leapfalse
5236 \else
5237 \XePersian@temp=\XePersian@yModHundred
5238 \divide\XePersian@temp by 2\relax
5239 \ifodd\XePersian@temp\XePersian@leapfalse
5240 \else
5241 \ifnum\XePersian@yModHundred=0%
5242 \XePersian@temp=\XePersian@y
5243 \divide\XePersian@temp by 400\relax
5244 \multiply\XePersian@temp by 400\relax
5245 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5246 \else\XePersian@leaptrue
5247 \fi
5248 \fi
5249 \fi
5250 \XePersian@latini=31\relax
5251 \ifXePersian@leap
5252 \XePersian@latinii = 29\relax

```



```

5253 \else
5254   \XePersian@latinii = 28\relax
5255 \fi
5256 \XePersian@latiniii = 31\relax
5257 \XePersian@latiniv = 30\relax
5258 \XePersian@latinv = 31\relax
5259 \XePersian@latinvi = 30\relax
5260 \XePersian@latinvii = 31\relax
5261 \XePersian@latinviii = 31\relax
5262 \XePersian@latinix = 30\relax
5263 \XePersian@latinx = 31\relax
5264 \XePersian@latinxi = 30\relax
5265 \XePersian@latinxii = 31\relax
5266 \XePersian@thirtytwo=32\relax
5267 \XePersian@temp=\XePersian@y
5268 \advance\XePersian@temp by -17\relax
5269 \XePersian@temptwo=\XePersian@temp
5270 \divide\XePersian@temptwo by 33\relax
5271 \multiply\XePersian@temptwo by 33\relax
5272 \advance\XePersian@temp by -\XePersian@temptwo
5273 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5274 \else
5275   \XePersian@temptwo=\XePersian@temp
5276   \divide\XePersian@temptwo by 4\relax
5277   \multiply\XePersian@temptwo by 4\relax
5278   \advance\XePersian@temp by -\XePersian@temptwo
5279   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5280 \fi
5281 \XePersian@tempthree=\XePersian@y % Number of Leap years
5282 \advance\XePersian@tempthree by -1
5283 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5284 \divide\XePersian@temp by 4\relax
5285 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5286 \divide\XePersian@temptwo by 100\relax
5287 \advance\XePersian@temp by -\XePersian@temptwo
5288 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5289 \divide\XePersian@temptwo by 400\relax
5290 \advance\XePersian@temp by \XePersian@temptwo
5291 \advance\XePersian@tempthree by -611 % Number of Kabise years
5292 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5293 \divide\XePersian@temptwo by 33\relax
5294 \multiply\XePersian@temptwo by 8\relax
5295 \advance\XePersian@temp by -\XePersian@temptwo
5296 \XePersian@temptwo=\XePersian@tempthree %
5297 \divide\XePersian@temptwo by 33\relax
5298 \multiply\XePersian@temptwo by 33\relax
5299 \advance\XePersian@tempthree by -\XePersian@temptwo
5300 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
5301 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5302 \advance\XePersian@temp by -\XePersian@tempthree

```



```

5303 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5304 \XePersian@persiani=31
5305 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5306 \XePersian@persianii = 30\relax
5307 \ifXePersian@kabiseh
5308 \XePersian@persianiii = 30\relax
5309 \else
5310 \XePersian@persianiii = 29\relax
5311 \fi
5312 \XePersian@persianiv = 31\relax
5313 \XePersian@persianv = 31\relax
5314 \XePersian@persianvi = 31\relax
5315 \XePersian@persianvii = 31\relax
5316 \XePersian@persianviii= 31\relax
5317 \XePersian@persianix = 31\relax
5318 \XePersian@persianx = 30\relax
5319 \XePersian@persianxi = 30\relax
5320 \XePersian@persianxii = 30\relax
5321 \XePersian@persianxiii= 30\relax
5322 \XePersian@dn= 0\relax
5323 \XePersian@sn= 0\relax
5324 \XePersian@mminusone=\XePersian@m
5325 \advance\XePersian@mminusone by -1\relax
5326 \XePersian@i=0\relax
5327 \ifnum\XePersian@i < \XePersian@mminusone
5328 \loop
5329 \advance \XePersian@i by 1\relax
5330 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5331 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5332 \fi
5333 \advance \XePersian@dn by \XePersian@d
5334 \XePersian@i=1\relax
5335 \XePersian@sn = \XePersian@persiani
5336 \ifnum \XePersian@sn<\XePersian@dn
5337 \loop
5338 \advance \XePersian@i by 1\relax
5339 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5340 \ifnum \XePersian@sn<\XePersian@dn \repeat
5341 \fi
5342 \ifnum \XePersian@i < 4
5343 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5344 \advance \XePersian@y by -622\relax
5345 \else
5346 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5347 \advance \XePersian@y by -621\relax
5348 \fi
5349 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5350 \endcsname
5351 \ifnum\XePersian@i = 1
5352 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@

```



```

5353 \else
5354   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5355 \fi
5356 \newcommand*{\persiantoday}{\%
5357 \number\XePersian@d\space%
5358 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5359 }
5360 \let\persianyear\XePersian@y
5361 \let\persianmonth\XePersian@m
5362 \let\persianday\XePersian@d
5363 \def\XePersian@persian@month#1{\ifcase#1\or \or\
5364 \or\
5365 \or\
5366 \or\
5367 \or\
5368 \or\
5369 \or\
5370 \fi\

```



Index

Symbols	
\!	2194
\%	4958
\.	4996
\@and	3298
\@if@newlist	1304, 1324
\@math	166
\@maybeautodot	
..	2409, 2410, 2428, 2443, 2444, 2462, 2473, 2474, 2492
\@par	1721
\@textdigitfont@onfalse	3012
\@textdigitfont@ontrue	3011
\@Abjad	1209, 3306, 3314, 3315, 3793, 3794
\@Alph	2422, 2456, 2486, 3572, 3575, 3789, 3794
\@DeclareMathDelimiter	4874
\@DeclareMathSizes	4865
\@False	154, 156
\@Kashida@XB@fixfalse	1461, 3736
\@Kashida@XB@fixtrue	1460, 3734
\@Kashida@onfalse	1458
\@Kashida@ontrue	1457
\@LTRfootnotetext	1751
\@LTRmarginparreset	2943
\@Latincitex	73, 74, 1985, 1994, 2184, 2951, 2952
\@M	170, 3348, 3449, 3544
\@Mi	166
\@Mii	1644
\@Miii	1646
\@RTL@footnotefalse	2934, 2938, 3720
\@RTL@footnotetrue	2936, 2939, 3718
\@RTLfalse	136, 148, 161, 3673, 3680, 3702
\@RTLfootnotetext	1752
\@RTLtabfalse	3688
\@RTLtabtrue	3686
\@RTLtrue	3671, 3678, 3700
\@Roman	2424, 2458, 2488
\@SepMark	1580
\@SetTab	2498
\@True	149, 155
\@X	5073, 5074, 5152
\@abjad	1210, 3533, 3552, 3553, 3788, 3789
\@acol	1876, 1884
\@acolampacol	1874, 1876, 1882, 1884
\@adadi	1207, 2420, 2454, 2484, 3322, 3324, 3327
\@addamp	1875, 1883
\@addtopreamble	1843
\@alph	2423, 2457, 2487, 2499, 3571, 3574, 3788, 3793
\@ampacol	1874, 1882
\@answernumberfont	5095, 5096, 5134
\@answerstitle	5092, 5133
\@answerstitlefont	5093, 5094, 5133
\@appendheader	5106, 5107, 5109
\@arrayclassz	1874
\@arraydesc	5102, 5105, 5112, 5116
\@arrayrule	1822, 1823, 1824, 1866, 1867, 1868
\@author	4212, 4224
\@autodottrue	2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490
\@auxout	2957, 3837, 3841
\@begin@tempboxa	1721
\@biblabel	1986, 1995
\@bibsetup	1987, 1996

\@bidi@list@minipage@parbox@not@nobtr	\@currentenv	.. 2258, 2260, 2261
..... 1718, 1740	\@customlogo	..... 4312, 4321
\@bidi@list@minipage@parboxtrue	\@custommagazinenam	4081, 4314
..... 1719, 1741	\@customminilogo	... 4313, 4327
\@bidi@strip@v@xepersianversion	\@customwwwTxt	4042, 4045, 4097
. 2562, 2564, 2570, 2576	\@date	..... 4215, 4225
\@bidi@tuftesidenote@LTRmarginfont	\@dblfpbot	..... 3274
..... 86	\@dblfpsep	..... 3273
\@bidi@tuftesidenote@RTLmarginfont	\@dblfpstop	..... 3272
..... 88	\@defaultunits	..... 3049, 3053
\@bsphack	\@dgroup	..... 148
..... 1643	\@dmath	..... 136, 165
\@capttype	\@doendpe	..... 2275
.. 1631, 1694, 1941, 1951	\@dseries	..... 161
\@ccclvi	\@eha	..... 4828, 4854
..... 4808, 4814, 4838	\@empty	..... 151, 1638,
\@chapapp	1998, 2008, 2011, 2097, 2100,	
.. 30, 102, 113, 120, 132,	2229, 2953, 2956, 3407, 3413,	
1285, 1297, 1586, 2376, 2383,	3416, 3419, 3524, 4223, 4224,	
2390, 2398, 2439, 2469	4225, 4226	
\@chclass	\@emptytoks	..... 150
. 1756, 1764, 1772, 1787,	\@enGroup	..... 1199
1801, 1806, 1821, 1837, 1857,	\@enLabel	.. 1190, 1191, 1192, 1193,
1865, 1895, 1918, 1932	1194, 1195, 1196, 1197	
\@chnum	\@enOther	..... 1201
... 1758, 1759, 1760, 1761,	\@enSpace	..... 1198
1762, 1763, 1773, 1780, 1794,	\@end@tempboxa	..... 1736
1807, 1814, 1830, 1843, 1859,	\@endpbox	..... 1850, 1851
1860, 1861, 1862, 1863, 1864,	\@enhook	..... 1202
1878, 1886, 1896, 1903, 1925	\@enloop@	..... 1189
\@choices	\@entemp	1190, 1191, 1192, 1193, 1194,
. 5100, 5104, 5120, 5122	1195, 1196, 1197, 1198, 1199,	
\@cite	1200	
... 1973, 1980, 1992, 2008,	\@enum@	..... 1200
2097, 2954	\@extra@b@citeb	2013, 2019, 2021,
\@cite@ofmt	2044, 2075, 2102, 2108, 2110	
..... 2962	\@extrafootnotefeaturesfalse	
\@citea	..... 3746	
.. 2013, 2027, 2041, 2050,	\@extrafootnotefeaturestrue	
2051, 2052, 2057, 2072, 2080,	..... 3744	
2081, 2082, 2116, 2132, 2150,	\@false	..... 5157, 5165, 5172
2953, 2955	\@false@correction	. 5149, 5172
\@citeb	\@false@nocorrection	5147, 5165
..... 2009, 2011, 2013,	\@falsesymbol	.. 5143, 5145, 5149
2016, 2018, 2019, 2021, 2044,	\@firstampfalse	.... 1876, 1884
2075, 2098, 2100, 2102, 2105,		
2107, 2108, 2110, 2954, 2956,		
2957, 2958, 2961, 2962		
\@citex		
..... 1984, 1993		
\@classx		
..... 1840		
\@classz		
..... 1840		
\@correction		
..... 5173		
\@correctionstyle		
.. 5158, 5159,		
5160		
\@ctrerr		
..... 3313, 3318		
\@currbox		
. 1651, 1697, 1701, 1940,		
1944, 1950, 1954		



`\@firstofone` . . . 1382, 1383, 2011,
2100, 2956, 4811, 4835
`\@firstoftwo` . . . 2565, 2571, 2577
`\@float@HH` 1937, 1938
`\@float@Hx` 1936, 1937
`\@float@` 1937, 1948
`\@floatboxreset` 1707, 1946, 1956
`\@floatcapt` 1941, 1951
`\@floatpenalty` . 1644, 1646, 1649
`\@flstylefalse` 1943, 1953
`\@flstyletrue` 1943, 1953
`\@fltovf` 1699
`\@footnotetext` 1750
`\@for` 2009, 2098, 2954, 3633
`\@formanswerline` 5129, 5138, 5151,
5155
`\@fpbot` 3271
`\@fps` . 1632, 1633, 1635, 1638, 1655
`\@fpsadddefault` 1636, 1639
`\@fpsep` 3270, 3273
`\@fptop` . . 3269, 3271, 3272, 3274
`\@freelist` 1651
`\@gobble` . . 1200, 1312, 1313, 1314,
2562
`\@harfi` 12, 20, 31, 34,
43, 49, 55, 61, 103, 114, 121,
133, 1208, 1275, 1286, 1298,
1404, 1587, 2377, 2384, 2391,
2399, 2406, 2419, 2440, 2453,
2470, 2483, 3316, 3319, 3320
`\@headerfont` . . 5071, 5072, 5077,
5107
`\@headerline` 5103, 5106, 5114, 5118
`\@ifclassloaded`
. . 3606, 3607, 3608, 3609,
3610, 3611, 3612, 3613, 3614,
3615, 3616, 3617, 3618, 3619,
3620, 3621, 3622, 3623, 3624,
3625, 3626, 3627, 3628, 3629,
3752, 3764, 3776
`\@ifdefinable` 2293, 2295
`\@ifdefinitionfileloaded` 1628,
1771, 1804, 1894, 1935, 3587,
3588
`\@ifnextchar` . . . 1937, 2178, 2184,
2951
`\@ifnum` 2115, 2117, 2119, 2126, 2127,
2130, 2142, 2165, 2167
`\@ifpackageloaded` 76, 1502, 1506,
2187, 2191, 2283, 2291, 3589,
3590, 3591, 3592, 3593, 3594,
3595, 3596, 3597, 3598, 3599,
3600, 3601, 3602, 3603, 3604,
3605, 3606
`\@ifstar` 2177
`\@ifundefined` . . . 72, 2013, 2019,
2102, 2108, 2958
`\@ignoretrue` 172
`\@iiiminipage` 1737
`\@iiiparbox` 1715
`\@indexfile` . . 3754, 3766, 3778
`\@initortcheck` . . 5099, 5119, 5137
`\@inlabelfalse` 139
`\@input@` 3756, 3768, 3780
`\@lastchclass` 1756,
1757, 1773, 1774, 1775, 1776,
1778, 1807, 1808, 1809, 1810,
1812, 1857, 1858, 1874, 1882,
1896, 1897, 1898, 1899, 1901
`\@latex@error` 4826, 4852
`\@latex@warning` 2960
`\@latinAlpha` 3572, 3575
`\@latinalph` 2499, 3571, 3574, 3577
`\@list@extra` 3158, 3165, 3174, 3181,
3189, 3196, 3204, 3212, 3219,
3228, 3232, 3237, 3241, 3246,
3250, 3255
`\@listI` 3072, 3167
`\@listdepth` 1753
`\@listi` . . 3072, 3089, 3106, 3161,
3167, 3257
`\@listi@footnotesize` 3106, 3192
`\@listi@small` 3089, 3177
`\@listii` 3207
`\@listiii` 3222
`\@listiv` 3235
`\@listv` 3244
`\@listvi` 3253
`\@m` . 1990, 2955, 3347, 3448, 3542
`\@mainmatterfalse` . 97, 108, 126,
1279, 2433



\@maskanswerline . . .	5130, 5139, 5152, 5156	\@nnil . . .	3049, 3053, 3057, 3058
\@memfront	1578	\@nodocument	1630
\@minipagefalse	2948	\@nonlatinfalse	2909, 3693
\@minipagerestore	1754	\@nonlatintrue	2923, 3695
\@minipagetrue	2947	\@onelevel@sanitize	1633
\@minus . . .	3020, 3022, 3026, 3028, 3034, 3036, 3040, 3042, 3216	\@outputbox	1322
\@mpLTRfootnotetext	1751	\@outputpage	1300
\@mpRTLfootnotetext	1752	\@parboxrestore	1305, 1706, 1721, 1748, 1945, 1955
\@mpargs	1743	\@parboxto	1724, 1733
\@mpfn	1749	\@parmoderr	1649
\@mpfootnotetext	1750	\@pboxswfalse	1717, 1739
\@mplistdepth	1753	\@pboxswtrue	1731
\@namedef . .	1967, 2021, 2110, 2274	\@plus . . .	3020, 3022, 3026, 3028, 3034, 3036, 3040, 3042, 3216, 3269, 3270
\@ne	1661, 1667, 1760, 1761, 1764, 1773, 1783, 1784, 1788, 1807, 1817, 1818, 1822, 1823, 1824, 1861, 1862, 1866, 1867, 1868, 1896, 1906, 1907, 1919, 2115, 2127, 2129, 2142, 2150, 2921, 2922, 2998, 3334, 3375, 3382, 3394, 3399, 3435, 3476, 3483, 3495, 3500, 3641, 3867, 3868, 3869, 3870, 3871, 4818, 4823, 4842, 4849	\@ppsavesec	25
\@newlistfalse	1305	\@preamble	1877, 1885
\@next	1651	\@preamblecmds	4879
\@nextchar	1779, 1781, 1782, 1783, 1784, 1785, 1786, 1788, 1789, 1790, 1791, 1792, 1795, 1796, 1797, 1798, 1799, 1800, 1813, 1815, 1816, 1817, 1818, 1819, 1820, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1831, 1832, 1833, 1834, 1835, 1836, 1848, 1850, 1851, 1902, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1919, 1920, 1921, 1922, 1923, 1926, 1927, 1928, 1930, 1931	\@preamerr	1767, 1801, 1837, 1871, 1932
\@nextchar	1929	\@ptsize	3052
\@nil	2204, 2208, 2209, 2214, 2216, 3365, 3368, 3466, 3469	\@questionheader	5129, 5130, 5161
		\@questionsepspace	5185, 5190, 5196
		\@questiontitle	5178, 5191
		\@questiontitlefont	5179, 5180, 5191
		\@resetactivechars	1303
		\@resets@pp	24, 1388, 1389
		\@roman	2425, 2459, 2489
		\@safe@activesfalse	2012, 2101
		\@safe@activetrue	2010, 2099
		\@secondoftwo	2567, 2573, 2579
		\@setfontsize . . . . .	. . . 3066, 3083, 3100, 3111, 3117, 3123, 3129, 3135, 3141, 3147, 4012, 4018, 4020, 4023, 4030, 4036, 4037, 4038, 4039, 4040
		\@setfpsbit	1671, 1674, 1677, 1680, 1683, 1686
		\@setminipage	1755
		\@setnobreak	1946, 1956
		\@sharp . . .	1879, 1880, 1881, 1887, 1888, 1889



\@smemfront 1579
\@sptoken 1198
\@startpbox 1850, 1851
\@starttoc 3283, 5082, 5087
\@stop 2410, 2444, 2474
\@sx@xepersian@localize@verbatim
. 1967
\@tabclassz 1882
\@tartibi 9, 16, 39,
45, 51, 57, 94, 105, 116, 128,
1206, 1271, 1281, 1293, 1401,
1581, 1582, 2372, 2379, 2386,
2394, 2402, 2421, 2435, 2455,
2465, 2485, 3428, 3430, 3433
\@tempa 1190,
1191, 1192, 1193, 1194, 1195,
1196, 1197, 1198, 1199, 1200,
1201, 1204, 2214, 2216, 2299,
2300, 2301, 2302, 2303, 2304,
2305, 2306, 2307, 2308, 2309,
3057, 3058
\@tempb 3055, 3058, 3075,
3092, 3109, 3115, 3121, 3127,
3133, 3139, 3145
\@tempboxa 1744
\@tempc 2229, 2242, 2252, 2254,
2255, 2258, 2266
\@tempcnta 1653, 1659, 1661, 1665,
1667, 1689, 1690, 1696, 1697,
1841, 2124, 2125, 2126, 2129,
2130, 3632, 3635, 3641
\@tempcntb 1694, 1695, 1696
\@tempdima 1720,
1721, 1742, 1746, 3048, 3049,
3050, 3054, 3056, 3067, 3074,
3075, 3084, 3091, 3092, 3101,
3108, 3109, 3112, 3114, 3115,
3118, 3120, 3121, 3124, 3126,
3127, 3130, 3132, 3133, 3136,
3138, 3139, 3142, 3144, 3145,
3148
\@tempdimb 1723, 1724, 3053, 3054,
3060, 3061, 3063, 3067, 3075,
3077, 3078, 3080, 3084, 3092,
3094, 3095, 3097, 3101, 3109,
3112, 3115, 3118, 3121, 3124,
3127, 3130, 3133, 3136, 3139,
3142, 3145, 3148, 3151, 3153,
3155, 3169, 3171, 3184, 3186,
3199, 3201, 3215, 3258, 3259,
3261, 3263, 3265, 3270, 3275,
3881, 3882
\@tempdimc 3050, 3051, 3052, 3054,
3055, 3056, 3074, 3091, 3108,
3114, 3120, 3126, 3132, 3138,
3144
\@tempskipa 3885, 3886
\@tempswafalse 2142, 2951,
3156, 3172, 3187, 3202, 3217,
3230, 3239, 3248
\@tempswatru 2141, 2951,
3158, 3174, 3189, 3204, 3219,
3232, 3241, 3250
\@temptokena 2215, 2222, 2227,
2233, 2240, 2250, 2264
\@testpach 1756, 1772, 1806, 1857,
1895
\@tfor 1654, 2299
\@thanks 4217, 4223
\@the@choice 5108, 5109
\@themargin 1318
\@title 4205, 4226
\@true 5153, 5164, 5171
\@true@correction 5148, 5171
\@true@nocorrection 5146, 5164
\@truesymbol 5142, 5144, 5148
\@verbatim 1964, 1967, 2272, 2274,
2285
\@vobeyspaces 1964, 2272
\@warning 2271
\@x@xepersian@localize@verbatim
. 1964
\@xDeclareMathDelimiter 4874
\@xepersian@@baselineskip@scale
. 2898, 2907, 2920, 2930
\@xepersian@@computeautoilgfalse
. 3831
\@xepersian@@computeautoilgtrue
. 3829
\@xepersian@@fontsize@scale
2897, 2902, 2919, 2929
\@xepersian@info 2537, 2559,



2561
\@xfloat 1629, 1936, 1937
\@xxDeclareMathDelimiter 4873
\@xxxii 1695
@ \ 1608, 1609
@ \ 1604, 1605, 1607
@ \ 2186
] \ 2194
\\ 1961, 2194, 4173, 4488, 4489, 4751,
4754, 4803, 5075, 5114, 5118,
5138, 5139
\{ 1960, 2194
\} 1960, 2194
\] 2194
\^ 2195
_ 2614, 2616, 2635, 2637, 2673,
2674, 2680, 2682, 2703, 2705,
2721, 2723, 2770, 2772, 2791,
2793, 2812, 2814, 2833, 2835,
2854, 2856, 2875, 2877, 4936,
4938, 4968, 4970, 4981, 4983
\| 4489
\~ 2195

\l 1343, 1345, 2955, 3371, 3377, 3396,
3402, 3472, 3478, 3497, 3507,
4088, 4097

A
\abj@num@i 3538, 3555, 3562
\abj@num@ii 3540, 3559, 3566
\abj@num@iii 3542, 3563, 3569
\abj@num@iv 3544, 3567
\Abjad 1209, 1214, 3314
\abjad 1210, 1215, 3552
\abjad@zero 3554, 3558
\Abjadnumeral 3315
\abjadnumeral 3553
\abovedisplayshortskip
. 3061, 3069, 3078, 3086,
3095, 3103, 4015, 4016, 4026,
4027, 4033, 4034
\abovedisplayskip
. 3059, 3064, 3068, 3076,
3081, 3085, 3093, 3098, 3102,
4013, 4014, 4024, 4025, 4031,
4032
\abstractname 3295
\active 2195, 4996
\adadi 1191, 1207, 1212, 2413, 2447,
2477, 3321
\adadinumeral 3327
\AddEnumerateCounter 1206, 1207,
1208, 1209, 1210
\addfontfeature 3853
\addfontfeatures 136, 148, 161
\addtocontents 5081, 5084, 5086,
5089, 5111, 5115, 5138, 5139
\addtolength
. 3051, 4240, 4241, 4244,
4663, 4664, 4665, 4666, 4730
\addtoversion 4866
\adl@argarraydashrule 1824, 1868
\adl@arraydashrule 1823, 1867
\adl@arrayrule 1822, 1866
\adl@box 1848, 1850, 1851
\adl@class@iiiorvii 1854, 1891
\adl@class@start 1853, 1890
\adl@endmbox 1849
\adl@putlrc 1845, 1846, 1847, 1879,
1880, 1881, 1887, 1888, 1889
\adl@startmbox 1848
\advance 1346, 1661,
1667, 1690, 1696, 2129, 2998,
3000, 3641, 4004, 4008, 4276,
4279, 4823, 4849, 5233, 5268,
5272, 5278, 5282, 5287, 5290,
5291, 5295, 5299, 5300, 5302,
5303, 5305, 5325, 5329, 5330,
5333, 5338, 5339, 5343, 5344,
5346, 5347, 5349, 5352, 5354
\aftergroup 1307, 1309,
3158, 3174, 3189, 3204, 3219,
3232, 3241, 3250
\ALG@name 5, 7
\algorithmicensure 3
\algorithmicrequire 2
\ALGS@name 6, 7
\aliasfontfeature 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, 1557, 1558,
 1559, 1560, 1561, 1562, 1563,
 1564, 1565, 1566, 1567, 1568,
 1569, 1570
 \aliasfontfeatureoption . 1571,
 1572, 1573, 1574, 1575, 1576
 \alloc@ 4808
 \Alph . 1193, 1375, 1376, 2415, 2449,
 2479
 \alph 1194, 2416, 2450, 2480, 2506,
 5108, 5134
 \alpha@elt 4867
 \alpha@list 4867
 \anappendixtrue 1588
 \and 4230
 \answernumberfont 5096
 \answerstyle 5092, 5162
 \answerstylefont 5094
 \appendix 10, 17,
 40, 46, 52, 58, 99, 110, 117,
 129, 1272, 1282, 1294, 1372,
 1373, 1402, 1583, 2373, 2380,
 2387, 2395, 2403, 2436, 2466
 \appendixautorefname 1361
 \appendixname 11, 19,
 30, 102, 113, 120, 132, 1285,
 1297, 1403, 1586, 2376, 2383,
 2390, 2398, 2439, 2469, 3292
 \arabic 1197
 \arrayrulewidth 4745
 \articlesep 4727
 \AtBeginDocument 71,
 1371, 1474, 1967, 2174, 2279,
 4002, 4006
 \AtEndOfClass 4000
 \author 4228
 \authorandplace 4701
 \AutoDisplayMathsDigits . 3663,
 5046, 5052
 \autofootnoterule 3706
 \AutoInlineMathsDigits . . 3655,
 5042, 5051
 \AutoMathsDigits . . . 3647, 5050,
 5054
B
 \backrefpagesname 63
 \baselineskip
 . . . 1315, 3001, 3004, 3918,
 3920, 3922, 3925, 3926, 3928
 \begin 2188, 2189, 2938, 2939, 3281,
 4056, 4059, 4112, 4127, 4140,
 4146, 4167, 4198, 4204, 4211,
 4235, 4289, 4295, 4367, 4370,
 4375, 4382, 4397, 4412, 4429,
 4463, 4481, 4486, 4506, 4513,
 4514, 4535, 4537, 4538, 4560,
 4565, 4566, 4602, 4603, 4611,
 4637, 4645, 4651, 4652, 4660,
 4690, 4714, 4746, 4747, 4762,
 4774, 4788, 5112, 5116, 5127,
 5128, 5134, 5189
 \beginingroup 144, 1301,
 1959, 2176, 2192, 2272, 2274,
 2584, 2586, 3157, 3173, 3188,
 3203, 3218, 3231, 3240, 3249,
 4815, 4839, 4996
 \beginL 2948, 4088, 4489
 \beginR 4092, 4093,
 4094, 4105, 4106, 4107, 4312,
 4313, 4314, 4332, 4353, 4354,
 4355, 4356, 4357, 4358, 4509,
 4604
 \belowdisplayshortskip
 . . 3062, 3071, 3079, 3088,
 3096, 3105, 4016, 4027, 4034
 \belowdisplayskip . . 3064, 3070,
 3081, 3087, 3098, 3104, 4014,
 4025, 4032
 \bfseries 2014, 2103, 2958, 4048,
 4054, 4073, 4081, 4109, 4125,
 4144, 4158, 4162, 4187, 4192,
 4196, 4321, 4327, 5071, 5093,
 5095, 5179
 \bgroup 1199, 1704, 1744, 1945, 1955,
 2667, 4811, 4835
 \bibname 3299



\bidi@@footnotetext@font	1330	\bm@	1710
\bidi@L@TRfootnotetext@font	1332	\bm@	1714
\bidi@RTL@footnotetext@font	1334	\bool	4861
\bidi@thebibliography@font@hook	3578	\boolean	3989, 4001, 4010, 4114, 4129, 4148, 4169, 4365, 4366, 4396, 4428, 4462, 4480, 4504, 4534, 4558, 4585
\bidi@AfterEndPreamble	3582	\botmark	1327
\bidi@AtEndPreamble	3851	\box	150, 1322
\bidi@column@status	3838, 3842	\BR@Latincitex	64, 74
\bidi@csdefcs	787, 1500	\BRorg@Latincitex	65, 73
\bidi@csletcs	482, 1500, 1504, 1505, 1508, 1509		
\bidi@digits@charclass	2649, 2650, 2651, 2652, 2653, 2654, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665	C	
\bidi@firstcolumn@status@write	3836, 3844	\C	2196
\bidi@font@@@outputpage	2964	\c	4895, 4903, 4911, 4919, 4927
\bidi@isloaded	1467, 1468, 1469, 1470, 1471, 1472, 1473, 1476, 1479, 1482, 1485, 1488, 1491, 1494	\c@book	1581
\bidi@lastcolumn@status@write	3840, 3845	\c@chapter	18, 20, 31, 103, 114, 121, 133, 1286, 1298, 1587, 2377, 2384, 2391, 2399, 2440, 2470
\bidi@newrobustcmd	2932, 2933, 3285	\c@mpfootnote	1749, 3577
\bidi@patchcmd	3852, 3881, 3885, 3897, 3903, 3909, 3917	\c@part	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1401, 1582, 2372, 2379, 2386, 2394, 2402, 2435, 2465
\bidi@reflect@box	3286	\c@section	10, 12, 18, 34, 43, 49, 55, 61, 1275, 1402, 1404, 2406
\bidi@sepmark@charclass	2653, 2654	\c@subsection	10, 1402
\blacktriangleleft	1341, 1343	\catcode	1498, 1959, 1960, 1961, 2195, 4996
\blacktriangleright	1341, 1343	\ccname	3301
\bm@b	1712	\cdp@elt	4864
\bm@c	1709	\cdp@list	4864
\bm@l	1710	\centering	4251, 4539, 5076
\bm@r	1711	\cftchapname	2518
\bm@s	1714	\cftfigname	2524
\bm@t	1713	\cftparaname	2522
\bm@	1713	\cftsecname	2519
\bm@	1711	\cftsubfigname	2525
\bm@	1712	\cftsubparaname	2523
\bm@	1709	\cftsubsecname	2520
		\cftsubsubsecname	2521
		\cftsubtabname	2527
		\cfttabname	2526
		\chapterautorefname	1362
		\chaptername	19, 3300



`\chardef` 1407, 1408, 1410, 1411, 1412,
1413, 1414, 1415, 2970, 4808
`\charlist` . 1421, 1422, 1424, 1428
`\citation` 2957
`\citenumfont` 2153
`\citeyear` 1975
`\citeyearpar` 1975
`\ClassError` 4386,
4418, 4452, 4472, 4493, 4518,
4543, 4569, 4592, 5121
`\ClassWarning` . 3971, 3973, 3975,
4245, 4259
`\cleardoubleoddpaper` 2432
`\cleardoublepage` 15, 96, 107, 125,
1278
`\clearpage` 2432, 4349
`\closeout` 3754, 3766, 3778
`\color@begingroup` 1745
`\color@vbox` . . . 1702, 1944, 1954
`\columnlines` . . 3945, 3946, 3978,
4307
`\columnsep` 4241, 4664
`\columnseprule` 4307
`\columntitle` 4658
`\columnwidth` . . . 1705, 1747, 1945,
1955, 4240, 4663
`\comment` 5166
`\contentsname` 3281, 3289
`\copyright` 4097
`\correction` 5166, 5173
`\correctionstyle` 5159
`\count` . . . 1697, 4275, 4276, 4278,
4279, 4288, 4294
`\count@` 1841
`\cs` . 2282, 2284, 2616, 2637, 2682,
2705, 2707, 2712, 2723, 2725,
2730, 2772, 2793, 2814, 2835,
2856, 2877, 4888, 4889, 4890,
4891, 4892, 4938, 4970, 4983
`\csname` 1501, 1694, 1734, 1939, 1942,
1949, 1952, 1969, 2276, 2293,
2294, 2295, 2296, 2297, 2407,
2441, 2471, 2585, 2588, 2594,
2596, 2962, 3159, 3175, 3190,
3205, 3220, 3233, 3242, 3251,
3314, 3319, 3322, 3428, 3552,
3898, 3900, 3904, 3906, 3910,
3912, 4814, 4817, 4822, 4823,
4838, 4841, 4845, 4846, 4849,
4884, 4886, 5330, 5339, 5349
`\currenttime` 4071
`\customlogo` 4312
`\custommagazinenam` 4314
`\customminilogo` 4313
`\customwwwTxt` 4042

D

`\dollarbegin` . . . 1845, 1846, 1847
`\dollarend` 1845, 1846, 1847
`\date` 4070, 4081, 4229, 4698
`\datename` 3297
`\day` 5228
`\dblfloatsep` 3267
`\dbltextfloatsep` 3268
`\decimalseparator` . . 4959, 5023
`\DeclareDocumentCommand`
. . . 2612, 2633, 2671, 2678,
2701, 2719, 2768, 2789, 2810,
2831, 2852, 2873, 4934, 4966,
4979
`\DeclareMathAccent` 4872
`\DeclareMathAlphabet` 4871
`\DeclareMathDelimiter` . . . 4873
`\DeclareMathRadical` 4875
`\DeclareMathSizes` 4864
`\DeclareMathSymbol` 4872
`\DeclareMathVersion` 4866
`\DeclareOption`
. . 3967, 3968, 3969, 3970,
3972, 3974, 3976, 3977, 3978,
3979, 3980, 5163, 5170
`\DeclareOptionX` 3797, 3803, 3807,
3811, 3815, 3819, 3823
`\DeclareRobustCommand`
. . 2175, 2620, 2642, 2685,
2710, 2728, 2743, 2746, 2749,
2752, 2755, 2758, 2776, 2797,
2818, 2839, 2860, 2881, 2950
`\DeclareSymbolFont`
. . 4869, 4943, 4944, 4945,
4946, 4973, 4986



<code>\DeclareSymbolFontAlphabet</code>	3555, 3559, 3563, 3567, 3573, 3577, 3631, 3787, 3792, 3804, 3808, 3816, 3820, 3824, 3836, 3840, 4042, 4312, 4313, 4314, 4808, 4810, 4834, 4947, 4974, 4987, 4997, 4998, 5023, 5024, 5025, 5026, 5030, 5034, 5038, 5042, 5046, 5050, 5071, 5073, 5075, 5093, 5095, 5099, 5106, 5142, 5143, 5146, 5147, 5148, 5149, 5158, 5161, 5168, 5169, 5175, 5176, 5179, 5363
<code>\DeclareSymbolFontAlphabet@</code>	4876
<code>\DeclareTextFontCommand</code>	2761, 2762, 2763, 2764, 2765, 2766
<code>\def</code>	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, 1418, 1421, 1423, 1424, 1429, 1464, 1465, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1629, 1631, 1632, 1634, 1715, 1737, 1743, 1749, 1756, 1772, 1806, 1840, 1853, 1854, 1857, 1874, 1882, 1890, 1891, 1895, 1937, 1938, 1941, 1948, 1951, 1964, 1965, 1974, 1977, 1989, 1990, 2000, 2003, 2016, 2031, 2061, 2093, 2097, 2122, 2184, 2198, 2202, 2204, 2205, 2208, 2214, 2216, 2218, 2234, 2237, 2253, 2254, 2257, 2270, 2272, 2275, 2292, 2529, 2530, 2581, 2582, 2583, 2589, 2590, 2594, 2896, 2899, 2904, 2918, 2934, 2935, 2936, 2937, 2941, 2942, 2943, 2952, 2955, 3057, 3158, 3174, 3189, 3204, 3219, 3232, 3241, 3250, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3314, 3316, 3319, 3328, 3333, 3342, 3368, 3381, 3392, 3406, 3412, 3415, 3418, 3422, 3434, 3443, 3469, 3482, 3493, 3511, 3516, 3523, 3533, 3552, 3554, 3555, 3559, 3563, 3567, 3573, 3577, 3631, 3787, 3792, 3804, 3808, 3816, 3820, 3824, 3836, 3840, 4042, 4312, 4313, 4314, 4808, 4810, 4834, 4947, 4974, 4987, 4997, 4998, 5023, 5024, 5025, 5026, 5030, 5034, 5038, 5042, 5046, 5050, 5071, 5073, 5075, 5093, 5095, 5099, 5106, 5142, 5143, 5146, 5147, 5148, 5149, 5158, 5161, 5168, 5169, 5175, 5176, 5179, 5363
<code>\def@NAT@last@yr</code>	2132, 2134
<code>\DefaultDisplayMathsDigits</code>	3665, 5025, 5028
<code>\defaultfontfeatures</code>	3798
<code>\DefaultInlineMathsDigits</code>	3657, 5024, 5027
<code>\DefaultMathsDigits</code>	3649, 5026
<code>\define@choicekey</code>	3645, 3653, 3661, 3669, 3676, 3684, 3691, 3698, 3704, 3716, 3722, 3728, 3732, 3738, 3742, 3748, 3761, 3773, 3785, 3827, 3834, 3849
<code>\define@key</code>	2298
<code>\define@mathalphabet</code>	4866
<code>\define@mathgroup</code>	4866
<code>\deflatinfont</code>	2719
<code>\defpersianfont</code>	2701
<code>\depth</code>	2306, 2307
<code>\DigitsDotDashInterCharToks</code>	2653, 2654
<code>\dimexpr</code>	2900, 2902, 2905, 2907, 3004, 3054, 3208, 3223, 3236, 3245, 3254, 3882, 3886, 3891, 3892, 3893
<code>\ding</code>	5142, 5143
<code>\display@setup</code>	137, 162
<code>\divide</code>	4281, 4282, 5230, 5238, 5243, 5270, 5276, 5284, 5286, 5289, 5293, 5297, 5301
<code>\do</code>	1656, 2009, 2098, 2299, 2954, 3633, 4879
<code>\document@select@group</code>	4834
<code>\dorestore@version</code>	4868



`\dosetclass` . . . 1422, 1423, 1427
`\doublebox` 4620, 4673
`\dquad` 170, 172
`\dseries@display@setup` . . . 162

E

`\e@alloc@intercharclass@top` .
 2649, 2650
`\edef` . 1724, 1779, 1813, 1877, 1885,
 1902, 2011, 2100, 2260, 2537,
 2560, 2562, 2588, 2591, 2956,
 3052, 3055, 3065, 3082, 3099,
 3110, 3116, 3122, 3128, 3134,
 3140, 3146, 3161, 3177, 3192,
 3207, 3222, 3235, 3244, 3253,
 3636, 5108
`\edition` 4339
`\editionFormat` 4048, 4051
`\editorialAuthorFormat` . . 4191,
 4755
`\editorialTitleFormat` 4189, 4190
`\egroup` 2668
`\else` 2, 3, 5, 7, 32,
 63, 92, 140, 170, 1190, 1191,
 1192, 1193, 1194, 1195, 1196,
 1197, 1198, 1199, 1200, 1289,
 1330, 1341, 1343, 1345, 1355,
 1356, 1357, 1358, 1359, 1360,
 1361, 1362, 1363, 1364, 1365,
 1366, 1367, 1368, 1369, 1370,
 1426, 1443, 1448, 1451, 1453,
 1464, 1465, 1475, 1478, 1481,
 1484, 1487, 1490, 1493, 1591,
 1592, 1593, 1594, 1595, 1596,
 1597, 1598, 1599, 1637, 1645,
 1650, 1660, 1666, 1719, 1722,
 1727, 1728, 1729, 1730, 1731,
 1741, 1756, 1757, 1758, 1759,
 1760, 1761, 1762, 1763, 1764,
 1765, 1766, 1767, 1773, 1774,
 1775, 1777, 1778, 1781, 1782,
 1783, 1784, 1785, 1786, 1788,
 1789, 1790, 1791, 1792, 1795,
 1796, 1797, 1798, 1799, 1800,
 1807, 1808, 1809, 1811, 1812,
 1815, 1816, 1817, 1818, 1819,

1820, 1822, 1823, 1824, 1825,
 1826, 1827, 1828, 1831, 1832,
 1833, 1834, 1835, 1836, 1856,
 1857, 1858, 1859, 1860, 1861,
 1862, 1863, 1864, 1866, 1867,
 1868, 1869, 1870, 1871, 1896,
 1897, 1898, 1900, 1901, 1904,
 1905, 1906, 1907, 1908, 1909,
 1910, 1911, 1912, 1913, 1914,
 1915, 1916, 1917, 1919, 1920,
 1921, 1922, 1923, 1926, 1927,
 1928, 1929, 1930, 1931, 1943,
 1953, 1978, 1991, 2023, 2028,
 2037, 2040, 2054, 2058, 2067,
 2071, 2074, 2086, 2090, 2091,
 2112, 2133, 2147, 2149, 2152,
 2166, 2168, 2179, 2202, 2213,
 2226, 2228, 2231, 2246, 2248,
 2254, 2262, 2270, 2297, 2300,
 2301, 2302, 2303, 2304, 2305,
 2306, 2307, 2308, 2411, 2432,
 2445, 2475, 2502, 2518, 2519,
 2520, 2521, 2522, 2523, 2524,
 2525, 2526, 2527, 2566, 2572,
 2578, 2605, 2667, 2668, 2964,
 2979, 2990, 3017, 3018, 3019,
 3021, 3024, 3025, 3027, 3031,
 3032, 3033, 3035, 3038, 3039,
 3041, 3287, 3288, 3289, 3290,
 3291, 3292, 3293, 3294, 3295,
 3296, 3297, 3298, 3299, 3300,
 3301, 3302, 3303, 3304, 3305,
 3313, 3318, 3336, 3338, 3346,
 3347, 3348, 3349, 3350, 3351,
 3352, 3353, 3371, 3386, 3400,
 3413, 3416, 3437, 3439, 3447,
 3448, 3449, 3450, 3451, 3452,
 3453, 3454, 3472, 3487, 3500,
 3501, 3504, 3535, 3537, 3539,
 3541, 3543, 3640, 3757, 3769,
 3781, 3927, 4258, 4736, 4811,
 4824, 4830, 4835, 4850, 4856,
 4991, 4999, 5000, 5001, 5002,
 5003, 5004, 5005, 5006, 5007,
 5008, 5009, 5023, 5031, 5032,
 5033, 5035, 5036, 5037, 5043,



5044, 5045, 5047, 5048, 5049, 5236, 5240, 5245, 5246, 5253, 5274, 5279, 5309, 5345, 5353	
\empty	1425
\enclname	3302
\encodingdefault	
.. 2628, 2693, 2784, 2805, 2826, 2847, 2868, 2889	
\end	1422, 1423, 1428, 1429, 2188, 2189, 2260, 2271, 2938, 2939, 3284, 4056, 4061, 4118, 4132, 4142, 4151, 4174, 4213, 4216, 4219, 4236, 4291, 4297, 4374, 4380, 4384, 4410, 4416, 4450, 4470, 4485, 4491, 4527, 4528, 4529, 4552, 4553, 4554, 4578, 4579, 4580, 4605, 4606, 4609, 4639, 4643, 4654, 4655, 4692, 4696, 4725, 4756, 4757, 4771, 4783, 4796, 5081, 5084, 5086, 5089, 5135, 5136, 5140, 5194
\end@correction	5174
\endcomment	5167
\endcorrection	5167, 5174
\endcsname	
1501, 1694, 1734, 1939, 1942, 1949, 1952, 1969, 2276, 2293, 2294, 2295, 2296, 2297, 2407, 2441, 2471, 2585, 2588, 2594, 2596, 2962, 3159, 3175, 3190, 3205, 3220, 3233, 3242, 3251, 3314, 3319, 3322, 3428, 3552, 3898, 3900, 3904, 3906, 3910, 3912, 4814, 4817, 4822, 4823, 4838, 4841, 4845, 4847, 4849, 4884, 4886, 5330, 5339, 5350	
\endgroup 1308, 2197, 2275, 2584, 2592, 3160, 3176, 3191, 3206, 3221, 3234, 3243, 3252, 4819, 4843, 4999, 5000, 5001, 5002, 5003, 5004, 5005, 5006, 5007, 5008, 5009, 5010	
\endL	4088, 4489
\endlatin	2935
\endlTR	2935
\endMakeFramed	1349
\endmath	167
\endpersian	2937
\endquestion	5187
\endR	4092, 4093, 4094, 4105, 4106, 4107, 4312, 4313, 4314, 4332, 4353, 4354, 4355, 4356, 4357, 4358, 4509, 4604
\endRTL	2937
\ends@math	167
\endtrivlist	1965, 2275
\end 1965, 1969, 2275, 2276	
\eq@addpunct	172
\eq@group	140, 149
\eq@GRP@first@dmath	149
\eq@prelim	140, 157
\eq@setnumber	143
\eq@setup@a	145
\eq@startup	146
\eq@wdCond	164
\eqcommand ... 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323,	



324, 325, 326, 327, 328, 329,
330, 331, 332, 333, 334, 335,
336, 337, 338, 339, 340, 341,
342, 343, 344, 345, 346, 347,
348, 349, 350, 351, 352, 353,
354, 355, 356, 357, 358, 359,
360, 361, 362, 363, 364, 365,
366, 367, 368, 369, 370, 371,
372, 373, 374, 375, 376, 377,
378, 379, 380, 381, 382, 383,
384, 385, 386, 387, 388, 389,
390, 391, 392, 393, 394, 395,
396, 397, 398, 399, 400, 401,
402, 403, 404, 405, 406, 407,
408, 409, 410, 411, 412, 413,
414, 415, 416, 417, 418, 419,
420, 421, 422, 423, 424, 425,
426, 427, 428, 429, 430, 431,
432, 433, 434, 435, 436, 437,
438, 439, 440, 441, 442, 443,
444, 445, 446, 447, 448, 449,
450, 451, 452, 453, 454, 455,
456, 457, 458, 459, 460, 461,
462, 463, 464, 465, 466, 467,
468, 469, 470, 471, 472, 473,
474, 475, 476, 477, 478, 479,
480, 481, 483, 484, 485, 486,
487, 488, 489, 490, 491, 492,
493, 494, 495, 496, 497, 498,
499, 500, 501, 502, 503, 504,
505, 506, 507, 508, 509, 510,
511, 512, 513, 514, 515, 516,
517, 518, 519, 520, 521, 522,
523, 524, 525, 526, 527, 528,
529, 530, 531, 532, 533, 534,
535, 536, 537, 538, 539, 540,
541, 542, 543, 544, 545, 546,
547, 548, 549, 550, 551, 552,
553, 554, 555, 556, 557, 558,
559, 560, 561, 562, 563, 564,
565, 566, 567, 568, 569, 570,
571, 572, 573, 574, 575, 576,
577, 578, 579, 580, 581, 582,
583, 584, 585, 586, 587, 588,
589, 590, 591, 592, 593, 594,
595, 596, 597, 598, 599, 600,

601, 602, 603, 604, 605, 606,
607, 608, 609, 610, 611, 612,
613, 614, 615, 616, 617, 618,
619, 620, 621, 622, 623, 624,
625, 626, 627, 628, 629, 630,
631, 632, 633, 634, 635, 636,
637, 638, 639, 640, 641, 642,
643, 644, 645, 646, 647, 648,
649, 650, 651, 652, 653, 654,
655, 656, 657, 658, 659, 660,
661, 662, 663, 664, 665, 666,
667, 668, 669, 670, 671, 672,
673, 674, 675, 676, 677, 678,
679, 680, 681, 682, 683, 684,
685, 686, 687, 688, 689, 690,
691, 692, 693, 694, 695, 696,
697, 698, 699, 700, 701, 702,
703, 704, 705, 706, 707, 708,
709, 710, 711, 712, 713, 714,
715, 716, 717, 718, 719, 720,
721, 722, 723, 724, 725, 726,
727, 728, 729, 730, 731, 732,
733, 734, 735, 736, 737, 738,
739, 740, 741, 742, 743, 744,
745, 746, 747, 748, 749, 750,
751, 752, 753, 754, 755, 756,
757, 758, 759, 760, 761, 762,
763, 764, 765, 766, 767, 768,
769, 770, 771, 772, 773, 774,
775, 776, 777, 778, 779, 780,
781, 782, 783, 784, 785, 786,
788, 789, 790, 791, 792, 793,
794, 795, 796, 797, 798, 799,
800, 801, 802, 803, 804, 805,
806, 807, 808, 809, 810, 811,
812, 813, 814, 815, 816, 817,
818, 819, 820, 821, 822, 823,
824, 825, 826, 827, 828, 829,
830, 831, 832, 833, 834, 835,
836, 837, 838, 839, 840, 841,
842, 843, 844, 845, 846, 847,
848, 849, 850, 851, 852, 853,
854, 855, 856, 857, 858, 859,
860, 861, 862, 863, 864, 865,
866, 867, 868, 869, 870, 871,
872, 873, 874, 875, 876, 877,



878, 879, 880, 881, 882, 883,
 884, 885, 886, 887, 888, 889,
 890, 891, 892, 893, 894, 895,
 896, 897, 898, 899, 900, 901,
 902, 903, 904, 905, 906, 907,
 908, 909, 910, 911, 912, 913,
 914, 915, 916, 917, 918, 919,
 920, 921, 922, 923, 924, 925,
 926, 927, 928, 929, 930, 931,
 932, 933, 934, 935, 936, 937,
 938, 939, 940, 941, 942, 943,
 944, 945, 946, 947, 948, 949,
 950, 951, 952, 953, 954, 955,
 956, 957, 958, 959, 960, 961,
 962, 963, 964, 965, 966, 967,
 968, 969, 970, 971, 972, 973,
 974, 975, 976, 977, 978, 979,
 980, 981, 982, 983, 984, 985,
 986, 987, 988, 989, 990, 991,
 992, 993, 994, 995, 996, 997,
 998, 999, 1000, 1001, 1002,
 1003, 1004, 1005, 1006, 1007,
 1008, 1009, 1010, 1011, 1012,
 1013, 1014, 1015, 1016, 1017,
 1018, 1019, 1020, 1021, 1022,
 1023, 1024, 1025, 1026, 1027,
 1028, 1029, 1030, 1031, 1032,
 1033, 1034, 1035, 1036, 1037,
 1038, 1039, 1040, 1041, 1042,
 1043, 1044, 1045, 1046, 1047,
 1048, 1049, 1050, 1051, 1052,
 1053, 1054, 1055, 1056, 1057,
 1058, 1059, 1060, 1061, 1062,
 1063, 1064, 1065, 1066, 1067,
 1068, 1069, 1070, 1071, 1072,
 1073, 1074, 1075, 1076, 1077,
 1078, 1079, 1080, 1081, 1082,
 1083, 1084, 1085, 1086, 1087,
 1088, 1089, 1090, 1091, 1092,
 1093, 1094, 1095, 1096, 1097,
 1098, 1099, 1100, 1101, 1102,
 1103, 1104, 1105, 1106, 1107,
 1108, 1109, 1110, 1111, 1112,
 1113, 1114, 1115, 1116, 1117,
 1118, 1129, 1130, 1131, 1132,
 1133, 1134, 1135, 1136, 1137,

1138, 1139, 1140, 1141, 1142,
 1143, 1144, 1145, 1146, 1147,
 1148, 1149, 1150, 1151, 1152,
 1153, 1154, 1155, 1156, 1157,
 1158, 1159, 1160, 1161, 1162,
 1163, 1164, 1165, 1166, 1167,
 1168, 1169, 1170, 1171, 1172,
 1173, 1174, 1175, 1176, 1177,
 1178, 1179, 1180, 1181, 1182,
 1183, 1184, 1185, 1186, 1187,
 1500
 \eqenvironment . . 1217, 1218, 1219,
 1220, 1221, 1222, 1223, 1224,
 1225, 1226, 1227, 1228, 1229,
 1230, 1231, 1232, 1233, 1234,
 1235, 1236, 1237, 1238, 1239,
 1240, 1241, 1242, 1243, 1244,
 1245, 1246, 1247, 1248, 1249,
 1250, 1251, 1252, 1253, 1254,
 1255, 1256, 1257, 1258, 1260,
 1261, 1262, 1263, 1264, 1265,
 1266, 1267, 1268, 1269, 1501
 \eqstyle 142
 \equal 4287, 4442,
 4614, 4619, 4624, 4629, 4634,
 4667, 4672, 4677, 4682, 4687
 \equationautorefname 1355
 \escapechar . . . 2587, 4816, 4840
 \everydisplay . . 137, 5058, 5059
 \everyjob 2560, 2561
 \everymath 5055
 \everypar 2948
 \ExecuteOptions 5177
 \ExecuteOptionsX 3859
 \exp 2620, 2622, 2623, 2624, 2642,
 2644, 2645, 2646, 2685, 2687,
 2688, 2689, 2710, 2712, 2713,
 2714, 2728, 2730, 2731, 2732,
 2776, 2778, 2779, 2780, 2797,
 2799, 2800, 2801, 2818, 2820,
 2821, 2822, 2839, 2841, 2842,
 2843, 2860, 2862, 2863, 2864,
 2881, 2883, 2884, 2885
 \expandafter 137, 1422, 1428,
 1654, 1655, 1779, 1813, 1902,
 1939, 1942, 1949, 1952, 1969,



2011, 2100, 2216, 2221, 2222,
 2227, 2232, 2233, 2239, 2240,
 2241, 2242, 2249, 2250, 2251,
 2252, 2254, 2263, 2264, 2265,
 2266, 2276, 2293, 2294, 2295,
 2296, 2562, 2565, 2567, 2571,
 2573, 2577, 2579, 2584, 2585,
 2588, 2591, 2592, 2594, 2595,
 2956, 3058, 3314, 3319, 3322,
 3337, 3343, 3428, 3438, 3444,
 3538, 3540, 3542, 3544, 3552,
 4811, 4830, 4835, 4844, 4845,
 4846, 4856, 5055, 5058, 5109
 \expandedtitle 4608
 \ExplSyntaxOff 1968, 2290, 2895,
 4881, 4990
 \ExplSyntaxOn . . . 1966, 2278, 2610,
 4860, 4887
 \extract@alph@from@version . .
 4844

 F
 \f@baselineskip 2913, 2927, 3151,
 3258, 3918, 3920
 \f@family 2667, 2668
 \f@size 2913, 2927
 \f@ur 1419, 2970, 2986, 2987, 2988,
 2991, 2992, 2993
 \false 5154
 \falsesymbol 5145
 \familydefault
 . . . 2627, 2692, 2783, 2804,
 2825, 2846, 2867, 2888
 \fancyfoot 4352, 4356, 4357, 4358
 \fancyhead 4351, 4353, 4354, 4355
 \FancyVerbLineautorefname 1368
 \fbox . 4236, 4251, 4466, 5131, 5191
 \fboxrule . 1338, 1340, 1342, 1344,
 4308
 \fboxsep 1338,
 1340, 1342, 1344, 4239, 4432,
 4464, 4536, 4564, 4612, 4661
 \fi 2, 3, 5, 7, 35,
 63, 68, 92, 136, 138, 139, 140,
 148, 159, 161, 170, 1203, 1289,
 1330, 1341, 1343, 1345, 1355,

1356, 1357, 1358, 1359, 1360,
 1361, 1362, 1363, 1364, 1365,
 1366, 1367, 1368, 1369, 1370,
 1419, 1427, 1443, 1448, 1451,
 1453, 1464, 1465, 1477, 1480,
 1483, 1486, 1489, 1492, 1495,
 1591, 1592, 1593, 1594, 1595,
 1596, 1597, 1598, 1599, 1640,
 1641, 1647, 1662, 1663, 1668,
 1669, 1672, 1675, 1678, 1681,
 1684, 1687, 1691, 1692, 1700,
 1718, 1719, 1725, 1732, 1735,
 1740, 1741, 1760, 1761, 1762,
 1763, 1767, 1768, 1769, 1783,
 1784, 1785, 1786, 1801, 1802,
 1817, 1818, 1819, 1820, 1837,
 1838, 1852, 1861, 1862, 1863,
 1864, 1871, 1872, 1876, 1881,
 1884, 1889, 1892, 1906, 1907,
 1908, 1909, 1932, 1933, 1943,
 1953, 1965, 1983, 2001, 2022,
 2024, 2035, 2039, 2048, 2049,
 2053, 2065, 2070, 2074, 2078,
 2079, 2083, 2088, 2089, 2090,
 2091, 2111, 2113, 2135, 2143,
 2151, 2152, 2161, 2162, 2168,
 2171, 2181, 2202, 2217, 2235,
 2255, 2268, 2271, 2297, 2309,
 2412, 2413, 2414, 2415, 2416,
 2417, 2418, 2419, 2420, 2421,
 2422, 2423, 2424, 2425, 2426,
 2427, 2432, 2446, 2447, 2448,
 2449, 2450, 2451, 2452, 2453,
 2454, 2455, 2456, 2457, 2458,
 2459, 2460, 2461, 2476, 2477,
 2478, 2479, 2480, 2481, 2482,
 2483, 2484, 2485, 2486, 2487,
 2488, 2489, 2490, 2491, 2504,
 2518, 2519, 2520, 2521, 2522,
 2523, 2524, 2525, 2526, 2527,
 2568, 2574, 2580, 2598, 2599,
 2607, 2667, 2668, 2957, 2964,
 2978, 2983, 2984, 2985, 2989,
 2994, 2995, 2996, 2997, 3006,
 3017, 3018, 3019, 3023, 3025,
 3029, 3030, 3032, 3033, 3037,



3039, 3043, 3044, 3045, 3165,
 3181, 3196, 3212, 3228, 3237,
 3246, 3255, 3287, 3288, 3289,
 3290, 3291, 3292, 3293, 3294,
 3295, 3296, 3297, 3298, 3299,
 3300, 3301, 3302, 3303, 3304,
 3305, 3313, 3318, 3340, 3354,
 3366, 3371, 3372, 3375, 3377,
 3378, 3390, 3394, 3396, 3397,
 3399, 3402, 3404, 3410, 3413,
 3416, 3420, 3425, 3441, 3455,
 3467, 3472, 3473, 3476, 3478,
 3479, 3491, 3495, 3497, 3498,
 3500, 3506, 3507, 3509, 3514,
 3521, 3527, 3545, 3546, 3547,
 3548, 3549, 3550, 3557, 3558,
 3561, 3562, 3565, 3566, 3568,
 3569, 3581, 3640, 3652, 3660,
 3668, 3674, 3681, 3689, 3696,
 3703, 3715, 3721, 3727, 3731,
 3737, 3741, 3747, 3759, 3760,
 3771, 3772, 3783, 3784, 3796,
 3832, 3846, 3857, 3879, 3929,
 3930, 3932, 4261, 4262, 4467,
 4484, 4648, 4722, 4741, 4768,
 4793, 4811, 4829, 4830, 4835,
 4855, 4856, 4993, 5011, 5012,
 5013, 5014, 5015, 5016, 5017,
 5018, 5019, 5020, 5021, 5023,
 5031, 5032, 5033, 5035, 5036,
 5037, 5043, 5044, 5045, 5047,
 5048, 5049, 5245, 5247, 5248,
 5249, 5255, 5279, 5280, 5300,
 5311, 5332, 5341, 5348, 5355,
 5370
 \figureautorefname 1358
 \figurename 3287
 \finishsetclass 1425, 1429
 \firstarticle . 4363, 4387, 4388,
 4390
 \FirstFrameCommand 1340
 \firstimage 4460, 4473, 4474, 4476
 \firstmark 1327
 \firstTextFormat 4121, 4123
 \firstTitleFormat . . 4109, 4115,
 4116
 \float@box 1940, 1950
 \float@endH 1939, 1949
 \floatsep 3262, 3266, 3267
 \flushright 4109, 4128, 4147
 \font 2974
 \font@name 3898, 3900, 3904, 3906,
 3910, 3912
 \fontencoding
 2622, 2645, 2687, 2713,
 2731, 2778, 2799, 2820, 2841,
 2862, 2883
 \fontfamily 2623, 2644, 2688, 2712,
 2730, 2745, 2748, 2751, 2754,
 2757, 2760, 2779, 2800, 2821,
 2842, 2863, 2884
 \fontsize 2913, 2927
 \fontspec 1967, 2285, 2618, 2639,
 2684, 2707, 2725, 2774, 2795,
 2816, 2837, 2858, 2879, 4941,
 4972, 4985
 \foot 4104
 \footdir@debugfalse 3726
 \footdir@debugtrue 3724
 \footins 3260
 \footnote 4201
 \footnoteautorefname 1356
 \footnoterule 4200
 \footnotesep 3259, 3926, 3928
 \footnotesize
 84, 86, 88, 1289, 1290, 1291,
 1330, 1332, 1334, 3099, 3100,
 4029, 4030, 4064, 4097, 4162,
 4186, 4187, 4199
 \foottextfont 1289
 \FrameCommand 1338
 \FrameRestore 1346
 \frenchspacing 1964, 2272
 \frontmatter 15, 95, 106, 124, 1277,
 2431
 \futurelet 2207, 4996

 G
 \g 2618, 2619, 2623, 2639, 2644,
 2684, 2688, 2774, 2775, 2779,
 2795, 2796, 2800, 2816, 2817,
 2821, 2837, 2838, 2842, 2858,



2859, 2863, 2879, 2880, 2884, 4861, 4941, 4943, 4944, 4945, 4946, 4972, 4973, 4985, 4986	
\g@addto@macro	5106
\G@refundefinedtrue	2959
\gdef	43, 49, 55, 61, 102, 103, 113, 114, 120, 121, 132, 133, 1275, 1285, 1286, 1297, 1298, 1375, 1376, 1391, 1393, 1586, 1587, 2376, 2377, 2383, 2384, 2390, 2391, 2398, 2399, 2406, 2439, 2440, 2469, 2470, 4042, 4312, 4313, 4314, 4996, 5072, 5074, 5092, 5094, 5096, 5102, 5103, 5119, 5144, 5145, 5159, 5178, 5180, 5185, 5196
\get@cdp	4870
\getanddefine@fonts 3897, 3903, 3909, 4817, 4841	
\Gin@boolkey	2292
\glb@currsize	4940
\global 73, 74, 139, 149, 150, 151, 152, 153, 154, 155, 156, 164, 1304, 1305, 1324, 1697, 1701, 2021, 2110, 4221, 4222, 4223, 4224, 4225, 4226, 4227, 4228, 4229, 4230, 4823, 4849	
\globaldefs	4818, 4842
\glossary	1314
\glsaddprotectedpagefmt	1351, 1352, 1353
\goodbreak	4799
\grid	4003, 4007, 4269
\Grot@x	2300, 2301, 2302, 2303
\Grot@y	2304, 2305, 2306, 2307, 2308, 2309
\group	2285
\group@elt	4869
\group@list	4869
\grp@aligned	155
\GRP@box	150
\grp@eqs@numbered	154
\grp@hasNumber	159
\GRP@label	151
\grp@linewidth	153
\GRP@queue	150
\grp@setnumber	159
\grp@shiftnumber	156
\grp@wdL	152
\grp@wdNum	153
\grp@wdR	152
\grp@wdT	152
H	
\harfi 1190, 1208, 1213, 1580, 2412, 2446, 2476, 3319	
\harfinumeral	3320
\hbox	1848, 2958, 3285, 3286
\headDateTimeFormat 4068, 4070	
\headerfont	5072
\headheight	1320, 4302
\heading	4091
\headrulewidth	4303, 4359
\headsep	1321
\headtoname	3304
\height	2304, 2305
\hfil	1844, 1845, 1846, 1847, 1879, 1880, 1881, 1887, 1888, 1889
\hline 4752, 5113, 5114, 5117, 5118, 5138, 5139	
\hrule 1419, 4635, 4641, 4688, 4694, 4739, 4779	
\hrulefill	4317, 4322, 4336
\hsize 1346, 1705, 1721, 1746, 1747, 1945, 1955	
\hskip	1419, 1846, 1847, 1889
\hspace	4070, 4088, 4317, 4323, 4335, 4337, 4515
\hss	1733
\Huge	3146, 3147, 4040, 4109, 4165
\huge	3140, 3141, 4039
\Hy@AlphNoErr	1391, 1393
\Hy@appendixstring	1377, 1395
\Hy@backout	69, 77
\Hy@chapapp	1377, 1395
\HyOrg@appendix	1372, 1378
\HyOrg@resets@pp	1388, 1396
\hyper@natlinkbreak 2043, 2074	
\hyper@natlinkstart	77



I	
\if	140, 159, 1658, 1664, 1670, 1673, 1676, 1679, 1682, 1685, 1688, 1719, 1726, 1727, 1728, 1729, 1741, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1781, 1782, 1783, 1784, 1785, 1786, 1788, 1789, 1790, 1791, 1792, 1795, 1796, 1797, 1798, 1799, 1800, 1815, 1816, 1817, 1818, 1819, 1820, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1831, 1832, 1833, 1834, 1835, 1836, 1859, 1860, 1861, 1862, 1863, 1864, 1866, 1867, 1868, 1869, 1870, 1871, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1919, 1920, 1921, 1922, 1923, 1926, 1927, 1928, 1929, 1930, 1931, 2026, 2056, 2074, 2084, 2090, 2091, 2152, 2168, 2200, 2220, 2226, 2228, 2238, 2246, 2248, 2270, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309
\if@textdigitfont@on	2667, 2668, 3009
\if@bidi@algorithmicloaded@	1475
\if@bidi@algorithmloaded@	1478
\if@bidi@backrefloaded@	1481
\if@bidi@csprimitive	1500
\if@bidi@csundef	2655, 3279, 3532, 3583
\if@bidi@enumerateloading@	1484
\if@bidi@enumitemloaded@	1487
\if@bidi@tocloftloaded@	1490
\if@bidi@urlloaded@	1493
\if@chapter@pp	28
\if@extrafootnotefeatures	3876
\if@files	2957
\if@hboxRconstruct	1718, 1740
\if@inlabel	139
\if@Kashida@on	1416, 1418
\if@Kashida@XB@fix	1417, 1443, 1448, 1451, 1453
\if@LTRbibitems	3579
\if@newlist	1304, 1324, 1965
\if@nonlatin	2667, 2668, 5043, 5044, 5045, 5047, 5048, 5049
\if@noskipsec	138
\if@pboxsw	1735
\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, 1464, 1465, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1719, 1741, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305
\if@RTL@footnote	1289, 1330
\if@RTLmain	2964
\if@RTLtab	1760, 1761, 1762, 1763, 1783, 1784, 1785, 1786, 1817, 1818, 1819, 1820, 1861, 1862, 1863, 1864, 1906, 1907, 1908, 1909
\if@tempswa	2143, 3165, 3181, 3196, 3212, 3228, 3237, 3246, 3255
\if@twoside	2432
\if@xepersian@computeautoilg	2966, 3916
\ifadl@usingarypkg	1805
\ifBR@verbose	66
\ifcase	1843, 1874, 1878, 1882, 1886, 2025, 2055, 2148, 3307, 3316, 3344, 3407, 3413, 3416, 3419, 3423, 3445, 3512, 3517, 3524, 3556, 3560, 3564, 3568, 3635, 3646, 3654, 3662, 3670, 3677, 3685, 3692, 3699, 3705, 3717, 3723,



3729, 3733, 3739, 3743, 3749,
 3762, 3774, 3786, 3828, 3835,
 3850, 5363
 \ifdim 169, 2564, 2570, 2576, 2975,
 2976, 2980, 2981, 2986, 2987,
 2991, 2992, 3001, 3017, 3018,
 3019, 3025, 3032, 3033, 3039,
 3922, 3926, 4249, 4734
 \iffontchar 2974
 \ifhmode 1642
 \ifinner 1648
 \ifmmode 1730, 4813, 4837
 \ifNAT@full 2023, 2112
 \ifNAT@longnames ... 2019, 2108
 \ifNAT@numbers 1972, 2179
 \ifNAT@super 1973
 \ifNAT@swa 2025, 2090, 2114, 2166
 \ifnum 170, 1689, 1756,
 1757, 1773, 1774, 1775, 1776,
 1778, 1807, 1808, 1809, 1810,
 1812, 1857, 1858, 1896, 1897,
 1898, 1899, 1901, 2500, 2603,
 2999, 3334, 3336, 3345, 3346,
 3347, 3348, 3349, 3350, 3351,
 3352, 3369, 3371, 3373, 3375,
 3377, 3382, 3393, 3394, 3396,
 3398, 3399, 3402, 3435, 3437,
 3446, 3447, 3448, 3449, 3450,
 3451, 3452, 3453, 3470, 3472,
 3474, 3476, 3478, 3483, 3494,
 3495, 3497, 3499, 3500, 3502,
 3507, 3534, 3536, 3538, 3540,
 3542, 3544, 3558, 3562, 3566,
 3569, 4646, 4720, 4766, 4791,
 4814, 4838, 5241, 5245, 5273,
 5279, 5300, 5327, 5331, 5336,
 5340, 5342, 5351
 \ifodd ... 1659, 1665, 5234, 5239
 \ifthenelse
 3989, 4001, 4010, 4114, 4129,
 4148, 4169, 4287, 4365, 4366,
 4396, 4428, 4442, 4462, 4480,
 4504, 4534, 4558, 4585, 4614,
 4619, 4624, 4629, 4634, 4667,
 4672, 4677, 4682, 4687, 5120
 \ifwritexviii . 2602, 3751, 3763,
 3775
 \ifx 1190, 1191, 1192,
 1193, 1194, 1195, 1196, 1197,
 1198, 1199, 1200, 1425, 1635,
 1638, 1722, 1942, 1952, 2029,
 2030, 2032, 2059, 2060, 2062,
 2131, 2149, 2209, 2258, 2297,
 2410, 2412, 2413, 2414, 2415,
 2416, 2417, 2418, 2419, 2420,
 2421, 2422, 2423, 2424, 2425,
 2426, 2444, 2446, 2447, 2448,
 2449, 2450, 2451, 2452, 2453,
 2454, 2455, 2456, 2457, 2458,
 2459, 2460, 2474, 2476, 2477,
 2478, 2479, 2480, 2481, 2482,
 2483, 2484, 2485, 2486, 2487,
 2488, 2489, 2490, 2585, 2593,
 2667, 2668, 4811, 4835, 4991,
 4999, 5000, 5001, 5002, 5003,
 5004, 5005, 5006, 5007, 5008,
 5009, 5023, 5031, 5032, 5033,
 5035, 5036, 5037, 5043, 5044,
 5045, 5047, 5048, 5049
 \ifXePersian@kabiseh 5202, 5307
 \ifXePersian@leap .. 5202, 5251
 \IfxepersianPackageVersion ..
 2575
 \IfxepersianPackageVersionBefore
 2569
 \IfxepersianPackageVersionLater
 2563
 \ifxetex 4242, 4465, 4482
 \ignorespaces
 173, 1947, 1957, 2630, 2695,
 2786, 2807, 2828, 2849, 2870,
 2891, 4060, 4113, 4123, 4128,
 4136, 4141, 4147, 4155, 4415,
 4441, 4590
 \image 4237
 \immediate 2957, 3754, 3755, 3766,
 3767, 3778, 3779
 \includegraphics ... 4252, 4466,
 4483
 \index 1313
 \indexEntryFormat .. 4058, 4060
 \indexEntryPageFormat ... 4064,



4066
 \indexEntryPageText . 4063, 4066
 \indexEntrySeparator 4062, 4590
 \indexFormat 4054, 4056
 \indexitem 4583, 4593, 4594, 4596
 \indexname 3293
 \init@restore@version . . . 4820,
 4868
 \innerAuthorFormat . 4186, 4703
 \innerPlaceFormat . . 4187, 4703
 \innerSubtitleFormat 4176, 4177
 \innerTextFinalMark 4188, 4724
 \innerTitleFormat . . 4165, 4170,
 4171
 \input . 1511, 1512, 1513, 1514, 1515,
 1516, 1517, 3587, 3588, 3589,
 3590, 3591, 3592, 3593, 3594,
 3595, 3596, 3597, 3598, 3599,
 3600, 3601, 3602, 3603, 3604,
 3605, 3606, 3607, 3608, 3609,
 3610, 3611, 3612, 3613, 3614,
 3615, 3616, 3617, 3618, 3619,
 3620, 3621, 3622, 3623, 3624,
 3625, 3626, 3627, 3628, 3629,
 3730, 3740, 3877, 3878
 \insert@column . 1845, 1846, 1847,
 1848, 1850, 1851
 \int . 4895, 4903, 4911, 4919, 4927
 \intermath@penalty 172
 \intextsep 3266
 \iranicdefault 2739, 2751, 2880,
 2888
 \iranicfamily . 2749, 2750, 2763,
 2881
 \item 5146, 5147, 5148, 5149
 \itemautorefname 1357
 \itemsep . . 3164, 3180, 3195, 3211,
 3227
 \itshape 3577, 5158

 J
 \jobname . 3755, 3756, 3767, 3768,
 3779, 3780

 K
 \KashidaOff 1458

\KashidaOn 1457, 1462
 \KashidaXBFixOff 1461
 \KashidaXBFixOn 1460
 \kern 1977, 3286
 \keyval@eq@alias@key 1503, 1507
 \KV@@sp@def 3634

L

\l . 2622, 2628, 2645, 2687, 2693,
 2713, 2731, 2778, 2784, 2799,
 2805, 2820, 2826, 2841, 2847,
 2862, 2868, 2883, 2889
 \label 1312, 4719, 4765, 4789
 \labelsep 3208, 3223, 3236, 3245,
 3254
 \labelwidth . . 3208, 3223, 3236,
 3245, 3254
 \LARGE 3134, 3135, 4038, 4125, 4189,
 4192, 4205, 4207
 \Large 3128, 3129, 4037, 4144, 4194,
 4321, 4604, 4638
 \large . . . 3122, 3123, 4036, 4048,
 4054, 4134, 4153, 4176, 4196,
 4209, 4215, 4327
 \LastFrameCommand 1344
 \lastpenalty 170
 \lastskip 169
 \latin 2934
 \LatinAlphs . . 2934, 2938, 3573
 \Latincite 2175, 2950
 \latinfont 2685, 2910, 2912, 3799
 \latintoday 2941
 \lccode 2194, 2195, 2196
 \leaders 1419
 \leavevmode . 138, 139, 1716, 1738,
 1965, 2952, 3285
 \leftfootnoterule 3708
 \leftmargin 3161, 3177, 3192, 3207,
 3208, 3222, 3223, 3235, 3236,
 3244, 3245, 3253, 3254
 \leftmargini . . 3161, 3177, 3192
 \leftmarginii 3207
 \leftmarginiii 3222
 \leftmarginiv 3235
 \leftmarginv 3244
 \leftmarginvi 3253



<code>\let</code>	11, 19, 73, 74, 149, 151, 154, 155, 156, 162, 167, 1198, 1199, 1200, 1201, 1302, 1304, 1312, 1313, 1314, 1324, 1327, 1372, 1382, 1383, 1388, 1403, 1425, 1427, 1709, 1710, 1711, 1712, 1713, 1714, 1733, 1750, 1751, 1752, 1753, 1822, 1823, 1824, 1866, 1867, 1868, 1936, 1939, 1940, 1949, 1950, 1969, 1973, 1975, 1976, 1979, 1980, 1981, 1982, 1984, 1985, 1986, 1987, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 2008, 2017, 2020, 2023, 2024, 2097, 2106, 2109, 2112, 2113, 2121, 2176, 2201, 2212, 2219, 2225, 2229, 2230, 2245, 2247, 2267, 2276, 2294, 2296, 2410, 2444, 2474, 2495, 2499, 2897, 2898, 2910, 2911, 2915, 2916, 2919, 2920, 2921, 2922, 2924, 2925, 2929, 2930, 2940, 2953, 3072, 3089, 3106, 3167, 3315, 3320, 3327, 3433, 3553, 3571, 3572, 3574, 3575, 3788, 3789, 3793, 3794, 3844, 3845, 4199, 4200, 4201, 4221, 4222, 4223, 4224, 4225, 4226, 4227, 4228, 4229, 4230, 4809, 4825, 4851, 4940, 5056, 5060, 5075, 5164, 5165, 5166, 5167, 5171, 5172, 5173, 5174, 5186, 5187, 5360, 5361, 5362
<code>\lineskip</code>	1316, 4210
<code>\lineskiplimit</code>	1317
<code>\linespread</code>	3004
<code>\linewidth</code>	5112, 5116, 5131, 5191
<code>\listalgorithmname</code>	7
<code>\listfigurename</code>	3290
<code>\listtablename</code>	3291
<code>\LoadClass</code>	3982
<code>\logo</code>	4315, 4344
<code>\long</code>	1715
<code>\longdate</code>	4699
<code>\loop</code>	2973, 5328, 5337
<code>\lower</code>	3285
<code>\lowercase</code>	2197
<code>\lr</code>	1382, 2008, 2097, 2932, 2941, 2954, 4042, 4097, 4489
<code>\LRE</code>	2932
<code>\lstlistingname</code>	1464
<code>\lstlistlistingname</code>	1465
<code>\LTR</code>	2934
<code>\LTRfoottextfont</code>	1290
<code>\ltx@ifundefined</code>	1374, 1386, 1390
M	
<code>\m@ne</code>	2125, 4816, 4840
<code>\m@th</code>	1735
<code>\makeform</code>	5168, 5175
<code>\makeform@correction</code>	5083, 5175
<code>\makeform@nocorrection</code>	5080, 5168
<code>\MakeFramed</code>	1346
<code>\makemask</code>	5169, 5176
<code>\makemask@correction</code>	5088, 5176
<code>\makemask@nocorrection</code>	5085, 5169
<code>\maketitle</code>	4198, 4222
<code>\MakeUppercase</code>	4164
<code>\makezwjletter</code>	1498, 1499
<code>\math@bgroup</code>	4811, 4835
<code>\math@fonts</code>	4818, 4842
<code>\math@version</code> . . . . .	. . . 4814, 4817, 4822, 4823, 4827, 4838, 4841, 4845, 4847, 4849, 4853
<code>\mathalpha</code>	4948, 4949, 4950, 4951, 4952, 4953, 4954, 4955, 4956, 4957
<code>\mathbf</code>	4888, 4960
<code>\mathbin</code>	4958
<code>\mathchar@type</code>	4875, 4884, 4886
<code>\mathchardef</code>	4994
<code>\mathcode</code>	4896, 4904, 4912, 4920, 4928, 5022
<code>\mathgroup</code>	4808
<code>\mathiranic</code>	2750
<code>\mathit</code>	4889, 4961
<code>\mathnavar</code>	2753
<code>\mathord</code>	4959
<code>\mathpersiansf</code>	2744



<code>\mathpersiantt</code>	2747	<code>\NAT@cite@list</code>	2009, 2098
<code>\mathpook</code>	2756	<code>\NAT@citea@mbbox</code>	2143
<code>\mathrm</code>	4890, 4962	<code>\NAT@citenum</code>	1980
<code>\mathsayeh</code>	2759	<code>\NAT@citesuper</code>	1973
<code>\mathsf</code>	4891, 4974	<code>\NAT@citeundefined</code>	2014, 2104
<code>\mathsurround</code>	166	<code>\NAT@citex</code>	1993
<code>\mathtt</code>	4892, 4987	<code>\NAT@citexnum</code>	1984
<code>\mbox</code>	1979	<code>\NAT@close</code>	1988, 1999
<code>\meaning</code>	2588, 2591	<code>\NAT@cmprs</code>	2119, 2165
<code>\MessageBreak</code>		<code>\NAT@cmt</code>	2090, 2168
..	2034, 2035, 2064, 2065, 3584, 4387, 4419, 4453, 4473, 4494, 4497, 4519, 4544, 4570, 4593, 4596, 5124	<code>\NAT@ctype</code>	2025, 2055, 2115, 2117, 2148, 2156, 2158, 2167, 2176
<code>\MidFrameCommand</code>	1342	<code>\NAT@date</code>	1999, 2016, 2026, 2027, 2038, 2046, 2051, 2056, 2069, 2076, 2081, 2084, 2091
<code>\minilogo</code>	4326, 4540	<code>\NAT@def@citea</code>	2053, 2085, 2146
<code>\minraggedcols</code>		<code>\NAT@def@citea@box</code>	2154
..	3965, 3966, 4004, 4008, 4646, 4720, 4766, 4791	<code>\NAT@def@citea@close</code>	2087
<code>\mlfttitle</code>	1595	<code>\NAT@exlab</code>	2032, 2036, 2062, 2066
<code>\mltttitle</code>	1596	<code>\NAT@fullfalse</code>	2177
<code>\month</code>	5228	<code>\NAT@fulltrue</code>	2177
<code>\moveright</code>	1318	<code>\NAT@hyper@</code>	2027, 2036, 2038, 2041, 2050, 2051, 2052, 2057, 2066, 2069, 2072, 2080, 2081, 2082, 2117, 2153
<code>\mtctitle</code>	1594	<code>\NAT@hyper@citea@space</code>	2156, 2158, 2160
<code>\multido</code>	4288, 4294	<code>\NAT@idtxt</code>	1988, 1999
<code>\multiply</code>	1695, 5231, 5244, 5271, 5277, 5294, 5298	<code>\NAT@ifcat@num</code>	2120, 2123
<code>\mylogo</code>	4331	<code>\NAT@last@nm</code>	2017, 2029, 2059, 2106, 2149
N		<code>\NAT@last@num</code>	2106, 2123, 2124, 2142
<code>\n</code>	4996, 4999, 5000, 5001, 5002, 5003, 5004, 5005, 5006, 5007, 5008, 5009	<code>\NAT@last@yr</code>	2017, 2030, 2060, 2097, 2131, 2165
<code>\NAT@close</code>	2091, 2170	<code>\NAT@last@yr@mbbox</code>	2127, 2137
<code>\NAT@Latin@citetp</code>	2178, 2182, 2183, 2184	<code>\NAT@Latin@cites</code>	2177, 2178
<code>\NAT@open</code>	2074, 2150	<code>\NAT@Latin@citex</code>	1994, 2002, 2003
<code>\NAT@alias</code>	2052, 2082, 2117, 2160	<code>\NAT@Latin@citexnum</code>	1985, 2092, 2093
<code>\NAT@all@names</code>	2020, 2023, 2109, 2112	<code>\NAT@mbbox</code>	1974, 1979, 2150, 2153, 2170
<code>\NAT@aysep</code>	2044	<code>\NAT@merge</code>	2127, 2142
<code>\NAT@biblabel</code>	1995	<code>\NAT@name</code>	1988, 1999, 2020, 2024, 2109, 2113
<code>\NAT@biblabelnum</code>	1986		
<code>\NAT@bibsetnum</code>	1987		
<code>\NAT@bibsetup</code>	1996		
<code>\NAT@cite</code>	1992		



<code>\NAT@nm</code> . . .	2008, 2017, 2023, 2024, 2027, 2029, 2042, 2050, 2057, 2059, 2073, 2080, 2097, 2106, 2112, 2113, 2121, 2122, 2126, 2130, 2149	<code>\newboolean</code> . . .	3947, 3949, 3951, 3953, 3955, 3957, 3959
<code>\NAT@nmfmt</code>	2027, 2042, 2050, 2057, 2073, 2080	<code>\newcolumnntype</code>	5076, 5077
<code>\NAT@num</code> .	1988, 2097, 2106, 2120, 2121, 2142, 2153	<code>\newcommand</code>	1457, 1458, 1460, 1461, 1498, 1500, 1501, 1503, 1507, 2002, 2092, 2178, 2183, 2506, 2563, 2569, 2575, 2667, 2668, 2737, 2738, 2739, 2740, 2741, 2742, 2971, 3011, 3012, 3016, 3048, 3278, 3321, 3324, 3427, 3430, 3890, 3944, 3999, 4043, 4044, 4047, 4048, 4049, 4054, 4055, 4058, 4059, 4062, 4063, 4064, 4065, 4068, 4069, 4073, 4074, 4077, 4078, 4079, 4080, 4083, 4086, 4091, 4096, 4099, 4101, 4104, 4109, 4110, 4121, 4122, 4125, 4126, 4134, 4135, 4138, 4139, 4144, 4145, 4153, 4154, 4156, 4157, 4158, 4159, 4162, 4163, 4165, 4166, 4176, 4177, 4178, 4179, 4180, 4181, 4186, 4187, 4188, 4189, 4190, 4191, 4192, 4193, 4194, 4195, 4196, 4197, 4232, 4237, 4269, 4301, 4315, 4326, 4331, 4339, 4363, 4394, 4426, 4460, 4479, 4583, 4601, 4608, 4650, 4658, 4701, 4707, 4727, 4744, 4773, 4798, 4882, 4883, 4885, 4991, 4992, 5072, 5074, 5080, 5083, 5085, 5088, 5092, 5094, 5096, 5144, 5145, 5150, 5154, 5159, 5178, 5180, 5356
<code>\NAT@open</code>	1988, 1999	<code>\newcount</code>	2967, 3961, 3962, 3965, 4267, 4268, 5203, 5204, 5205, 5206, 5207, 5208, 5209, 5210, 5211, 5212, 5213, 5214, 5215, 5216, 5218, 5219, 5220, 5221, 5222, 5223, 5224, 5225
<code>\NAT@parse</code>	2018, 2107	<code>\newcounter</code>	5097, 5098
<code>\NAT@partrue</code>	2176	<code>\newdimen</code>	2968, 2969, 4265, 4266
<code>\NAT@penalty</code> . . .	1990, 1998, 2134, 2149	<code>\NewDocumentCommand</code>	4893, 4901, 4909, 4917, 4925
<code>\NAT@reset@citea</code> . . .	2007, 2096	<code>\newenvironment</code>	
<code>\NAT@reset@parser</code> . .	2005, 2094		
<code>\NAT@set@cites</code>	1971, 2174		
<code>\NAT@sort@cites</code>	2006, 2095		
<code>\NAT@space</code>	1976, 1981, 1997, 2149		
<code>\NAT@spacechar</code>	1981, 1988, 1997, 1999, 2037, 2044, 2068, 2074, 2150, 2152		
<code>\NAT@super@kern</code>	1977, 1982, 2150		
<code>\NAT@swafalse</code>	2180		
<code>\NAT@swatrue</code>	2176		
<code>\NAT@temp</code>	2031, 2032, 2061, 2062		
<code>\NAT@test</code> .	2117, 2150, 2156, 2158		
<code>\NAT@year</code>	2008, 2017, 2030, 2060		
<code>\NAT@yrsep</code> . . .	2029, 2059, 2149		
<code>\natexlab</code>	1989, 2000		
<code>\navardefault</code> . .	2740, 2754, 2817, 2825		
<code>\navarfamily</code> . .	2752, 2753, 2764, 2818		
<code>\NeedsTeXFormat</code>	2528, 3936, 4805, 5062, 5199		
<code>\new@mathalphabet</code>	4871		
<code>\new@mathbf</code>	4893, 4960		
<code>\new@mathgroup</code>	4808, 4809, 4864		
<code>\new@mathit</code>	4901, 4961		
<code>\new@mathrm</code>	4909, 4962		
<code>\new@mathsf</code>	4917, 4974		
<code>\new@mathtt</code>	4925, 4987		
<code>\new@mathversion</code>	4869		
<code>\new@symbolfont</code>	4870		



... 1501, 2188, 2189, 2938,
 2939, 4234, 4340, 4502, 4532,
 4556, 4710, 4759, 4785, 5126,
 5160
 \newfam 4809
 \newfontface 2496
 \newfontlanguage 2609
 \newfontscript 2608
 \newif 1416, 1417, 2602, 2966, 3009,
 5202
 \newlength 3939, 3940, 3941, 3942,
 3943, 3945, 5090, 5181, 5183
 \newmathalphabet 4865
 \newmathalphabet@@ 4865
 \newmathalphabet@@@ 4865
 \newpage . 3753, 3765, 3777, 4350
 \newsavebox 4233
 \newsection 4707
 \next 1425,
 1427, 1428, 2201, 2202, 2203,
 2207, 2209, 2212, 2216, 2217,
 2219, 2225, 2230, 2234, 2236,
 2245, 2247, 2253, 2256, 2260,
 2267, 2269
 \nobreak 1418, 1974
 \noexpand 1302, 2200, 2220, 2226,
 2228, 2238, 2246, 2248, 2260,
 2261, 2270, 3066, 3072, 3083,
 3089, 3100, 3106, 3111, 3117,
 3123, 3129, 3135, 3141, 3147,
 3165, 3181, 3196, 3212, 3228,
 3237, 3246, 3255, 4821
 \nohyphens 4115, 4130, 4149, 4170
 \noindent
 4060, 4075, 4113, 4123, 4128,
 4136, 4141, 4147, 4155, 4160,
 4164, 4168, 4317, 4334, 4415,
 4441, 4466, 4513, 4590, 4604,
 4638, 4653, 4691, 4748, 4776,
 4801, 4803
 \non@alpherr 4830, 4856
 \nopagebreak 5192
 \normalcolor ... 1703, 1944, 1954
 \normalfont
 .. 2629, 2694, 2785, 2806,
 2827, 2848, 2869, 2890, 2910,
 2911, 2924, 2925
 \normalsfcodes 1311
 \normalsize 1311, 2946, 3065, 3066,
 3150, 4011, 4012, 4058, 4653,
 4691
 \not 5104
 \not@math@alphabet . 2744, 2747,
 2750, 2753, 2756, 2759
 \null 4202, 4218
 \number .. 3334, 3336, 3337, 3435,
 3437, 3438, 3538, 3540, 3542,
 3544, 4822, 4846, 5357, 5358
 \numexpr . 4896, 4904, 4912, 4920,
 4928
 O
 \obeyspaces 4996
 \old@endquestion ... 5187, 5195
 \old@question 5186, 5193
 \or 1845, 1846,
 1847, 1849, 1850, 1874, 1875,
 1876, 1880, 1881, 1882, 1883,
 1884, 1888, 1889, 2050, 2051,
 2052, 2080, 2081, 2082, 2155,
 2157, 2159, 3307, 3308, 3309,
 3310, 3311, 3312, 3316, 3317,
 3318, 3355, 3356, 3357, 3358,
 3359, 3360, 3361, 3362, 3363,
 3364, 3368, 3407, 3408, 3409,
 3410, 3413, 3416, 3419, 3420,
 3423, 3424, 3425, 3456, 3457,
 3458, 3459, 3460, 3461, 3462,
 3463, 3464, 3465, 3469, 3512,
 3513, 3514, 3517, 3518, 3519,
 3520, 3521, 3524, 3525, 3526,
 3527, 3556, 3557, 3560, 3561,
 3564, 3565, 3568, 3638, 3648,
 3650, 3656, 3658, 3664, 3666,
 3672, 3679, 3687, 3694, 3701,
 3707, 3709, 3711, 3713, 3719,
 3725, 3735, 3745, 3791, 3830,
 3843, 3855, 5363, 5364, 5365,
 5366, 5367, 5368, 5369
 \orig 4888, 4889, 4890, 4891, 4892,
 4894, 4902, 4910, 4918, 4926
 \originaltoday 2940, 2941



`\Ovalbox` 4630, 4683
`\ovalbox` 4625, 4678
`\overline` 5009

P

`\p@` . 1977, 3017, 3018, 3019, 3020,
 3022, 3025, 3026, 3028, 3032,
 3033, 3034, 3036, 3039, 3040,
 3051, 3054, 3216, 4203
`\PackageError`
 1476, 1479, 1482, 1485, 1488,
 1491, 1494, 3280, 3329, 3584,
 3752, 3758, 3764, 3770, 3776,
 3782
`\PackageInfo` . 67, 79, 3002, 3003,
 3923, 3924, 4882
`\PackageWarning` 2015, 2104, 3530,
 3750
`\PackageWarningNoLine` ... 2032,
 2062
`\page@free` 4247, 4249
`\pageautorefname` 1370
`\pagegoal` 4729
`\pagename` 3303
`\pagenumbering` .. 15, 98, 109, 127,
 1280, 1579, 2433
`\pageref` 4088, 4586
`\pagesFormat` 4162, 4164
`\pagestyle` 4305
`\pagetotal` 4730
`\par` .. 10, 17, 24, 40, 46, 52, 58, 99,
 110, 117, 129, 787, 1272, 1282,
 1294, 1402, 1583, 2373, 2380,
 2387, 2395, 2403, 2436, 2466,
 4205, 4207, 4213, 4215, 4216,
 4705, 4790, 5132, 5192
`\paragraphautorefname` ... 1366
`\parallel` 4070
`\parbox` 5131, 5191
`\parsep` ... 3152, 3163, 3164, 3168,
 3179, 3180, 3183, 3194, 3195,
 3198, 3210, 3211, 3225
`\partautorefname` 1360
`\partname` 3296
`\partopsep` 3216, 3226, 3275

`\PassOptionsToClass` 3967, 3968,
 3969
`\pbs` 5075, 5076
`\pdfstringdefDisableCommands` .
 1381
`\penalty` ... 166, 172, 1990, 2955
`\persian` 2936
`\PersianAlphs` . 2936, 2939, 3787,
 3792, 3935
`\persianday` 5362
`\PersianDisplayMathsDigits` ..
 ... 3667, 5034, 5040
`\persianfont` .. 2620, 2924, 2926
`\PersianInlineMathsDigits` 3659,
 5030, 5039
`\PersianMathsDigits` 3651, 5038
`\persianmathsdigits` 4947, 5031,
 5035, 5043, 5047
`\persianmathsfdigits` 4974, 5032,
 5036, 5044, 5048
`\persianmathttdigits` 4987, 5033,
 5037, 5045, 5049
`\persianmonth` 5361
`\persiansfdefault` .. 2737, 2745,
 2775, 2783
`\persiansffamily` ... 2743, 2744,
 2761, 2776
`\persiantoday` 2942, 5356
`\persianttdefault` .. 2738, 2748,
 2796, 2804
`\persianttfamily` ... 2746, 2747,
 2762, 2797
`\persianyear` 5360
`\pictureCaptionFormat` 4158, 4160
`\plftitle` 1592
`\plq` 2582
`\plttitle` 1593
`\pookdefault` .. 2741, 2757, 2838,
 2846
`\pookfamily` .. 2755, 2756, 2765,
 2839
`\postmath` 172
`\PrefixCurrentTab` 2506
`\premath` 168
`\prepnext@tok` 1842, 1852
`\printindex` .. 3753, 3765, 3777



<code>\process@table</code>	4868	<code>\relax</code>	1498, 1690, 1722,
<code>\ProcessOptions</code>	3981, 5198		1857, 1858, 1879, 1880, 1881,
<code>\ProcessOptionsX</code>	3874		1942, 1952, 1976, 1982, 2026,
<code>\proofname</code>	3305		2056, 2084, 2091, 2097, 2124,
<code>\protect</code>	1302, 4387, 4388, 4390,		2131, 2142, 2297, 2410, 2444,
	4419, 4420, 4422, 4453, 4454,		2474, 2495, 2500, 2585, 2603,
	4456, 4473, 4474, 4476, 4494,		2901, 2902, 2906, 2907, 3004,
	4495, 4497, 4593, 4594, 4596,		3049, 3053, 3236, 3245, 3254,
	5081, 5084, 5086, 5089, 5107,		3635, 3646, 3654, 3662, 3670,
	5112, 5113, 5114, 5116, 5117,		3677, 3685, 3692, 3699, 3705,
	5118, 5138, 5139		3717, 3723, 3729, 3733, 3739,
<code>\protected@write</code>	3837, 3841		3743, 3749, 3762, 3774, 3786,
<code>\providecommand</code>	3529		3828, 3835, 3844, 3845, 3850,
<code>\ProvidesClass</code>	3937		3856, 3882, 3886, 3892, 3893,
<code>\ProvidesFile</code>	1, 4, 8, 14, 23,		3894, 3918, 3920, 3981, 4200,
	38, 44, 50, 56, 62, 82, 91, 93,		4221, 4222, 4227, 4228, 4229,
	104, 115, 123, 135, 175, 1128,		4230, 4811, 4825, 4835, 4851,
	1188, 1205, 1216, 1259, 1270,		4884, 4886, 4896, 4904, 4912,
	1276, 1288, 1292, 1299, 1328,		4920, 4928, 4940, 5022, 5056,
	1336, 1350, 1354, 1399, 1406,		5060, 5230, 5231, 5233, 5238,
	1463, 1466, 1497, 1577, 1590,		5243, 5244, 5250, 5252, 5254,
	1600, 1970, 2371, 2378, 2385,		5256, 5257, 5258, 5259, 5260,
	2393, 2401, 2430, 2464, 2494,		5261, 5262, 5263, 5264, 5265,
	2497, 2517		5266, 5268, 5270, 5271, 5276,
<code>\ProvidesPackage</code>	2531, 4806,		5277, 5284, 5286, 5289, 5293,
	5063, 5200		5294, 5297, 5298, 5301, 5306,
<code>\prq</code>	2581		5308, 5310, 5312, 5313, 5314,
<code>\ptctitle</code>	1591		5315, 5316, 5317, 5318, 5319,
			5320, 5321, 5322, 5323, 5325,
			5326, 5329, 5334, 5338, 5344,
			5346, 5347
		<code>\renewcommand</code>	9, 16, 24, 30, 31,
			34, 39, 40, 45, 46, 51, 52, 57,
			58, 86, 88, 94, 95, 99, 105,
			106, 110, 116, 117, 124, 128,
			129, 1271, 1272, 1277, 1281,
			1282, 1289, 1290, 1291, 1293,
			1294, 1330, 1332, 1334, 1401,
			1578, 1580, 1581, 1582, 1583,
			1971, 1988, 1999, 2372, 2373,
			2379, 2380, 2386, 2387, 2394,
			2395, 2402, 2403, 2409, 2431,
			2435, 2436, 2443, 2465, 2466,
			2473, 2498, 2518, 2519, 2520,
			2521, 2522, 2523, 2524, 2525,
			2526, 2527, 2964, 3578, 3753,

Q

<code>\question</code>	5186
<code>\questionsepspace</code>	5183, 5184,
	5196
<code>\questionspace</code>	5090, 5091, 5132
<code>\questiontitle</code>	5178, 5197
<code>\questiontitlefont</code>	5180
<code>\questiontitlespace</code>	5181, 5182,
	5192

R

<code>\raggedFormat</code>	3999, 4647, 4721,
	4767, 4792
<code>\RaggedLeft</code>	3999
<code>\raisebox</code>	4045, 4050
<code>\refname</code>	92, 3294
<code>\refstepcounter</code>	5148, 5149



3765, 3777, 4011, 4018, 4020,
 4022, 4029, 4036, 4037, 4038,
 4039, 4040, 4092, 4093, 4094,
 4105, 4106, 4107, 4198, 4303,
 4339, 4359, 4698, 4708, 4713,
 5079
 \renewenvironment . . . 1337, 5188
 \repeat 2999, 5331, 5340
 \RequirePackage
 . . . 2533, 2534, 2535, 2536,
 3938, 3983, 3984, 3985, 3986,
 3987, 3988, 3990, 3992, 3994,
 3995, 3996, 3997, 3998, 5065,
 5066, 5067, 5068, 5069, 5070
 \reserved@a 1654, 1658, 1664, 1670,
 1673, 1676, 1679, 1682, 1685,
 1688
 \reserved@b 1634, 1635
 \reset@font 1311, 2014, 2103, 2911,
 2925, 2944, 2958
 \resetlatinfont 84, 86,
 1289, 1290, 1330, 1332, 2896,
 2932, 2934, 2938, 2945, 2964,
 3580
 \restore@mathversion 4868
 \restoreapp 36
 \rightfootnoterule 3710
 \rightline 4702
 \rl 1383, 2933, 2942
 \RLE 2933
 \rmdefault 2619, 2627, 2692
 \Roman 1196, 2417, 2451, 2481
 \roman 1195, 2418, 2452, 2482
 \romannumeral 2426, 2460, 2490,
 5330, 5339, 5349
 \RTL 2936
 \RTLfoottextfont 1291
 \rule 4062, 4188, 4290, 4296, 4383,
 4415

 S
 \sayehdefault 2742, 2760, 2859,
 2867
 \sayehfamily 2758, 2759, 2766,
 2860
 \scriptsize 3110, 3111, 4020

 \secondarticle 4394, 4419, 4420,
 4422
 \secondSubtitleFormat 4134, 4136
 \secondTextFormat 4138, 4141
 \secondTitleFormat 4125, 4130,
 4131
 \section 3281
 \sectionautorefname 1363
 \sectionname 11, 1403
 \select@group 4810
 \selectfont 2624, 2646, 2689,
 2714, 2732, 2745, 2748, 2751,
 2754, 2757, 2760, 2780, 2801,
 2822, 2843, 2864, 2885, 2914,
 2928, 3005
 \set@mathdelimiter 4875
 \set@fontsize 3881, 3885, 3917
 \set@mathaccent 4872
 \set@mathchar 4872
 \set@mathdelimiter 4874
 \set@mathsymbol 4873
 \set@typeset@protect 1306, 1310
 \setboolean
 . . . 2507, 2508, 3948, 3950,
 3952, 3954, 3956, 3958, 3960,
 3976, 3977, 3979, 3980, 4342,
 4360, 4505, 4530, 4559, 4581
 \setbox 150, 1701, 1744, 1848, 1850,
 1851, 1941, 1944, 1951, 1954
 \setclass 1421, 1431, 1432, 1433,
 1434, 1435, 1436, 1438, 1439,
 1440
 \setcounter 27,
 29, 33, 41, 42, 47, 48, 53,
 54, 59, 60, 100, 101, 111, 112,
 118, 119, 130, 131, 1273, 1274,
 1283, 1284, 1295, 1296, 1326,
 1584, 1585, 2374, 2375, 2381,
 2382, 2388, 2389, 2396, 2397,
 2404, 2405, 2437, 2438, 2467,
 2468, 2501, 2505, 2509, 2510,
 2511, 2512, 2513, 2514, 2515,
 4220, 5101
 \setdigitfont 2671
 \SetDisplayMathsDigits . . . 5025,
 5034, 5046, 5056, 5059



<code>\SetEnumerateShortLabel</code> . . .	1211, 1212, 1213, 1214, 1215	<code>\setsansfont</code>	2698
<code>\setfontsize</code> . . .	3048, 3637, 3639	<code>\setsayehfont</code>	2852
<code>\SetInlineMathsDigits</code> . . .	5024, 5030, 5042, 5055, 5060	<code>\SetSymbolFont</code>	4870
<code>\setiraniconfont</code>	2873	<code>\SetSymbolFont@</code>	4870
<code>\setkeys</code>	141, 158	<code>\settextdigitfont</code>	2633
<code>\setlatinmonofont</code>	2699	<code>\settextfont</code>	2612, 3585
<code>\setlatinsansfont</code>	2698	<code>\setthesection</code>	1580
<code>\setlatintextfont</code> . . .	2678, 3934	<code>\sf@size</code>	3904, 3906
<code>\setlength</code> 1720, 1723, 1742, 3020, 3022, 3026, 3028, 3034, 3036, 3040, 3042, 3050, 3054, 3056, 3064, 3074, 3075, 3081, 3091, 3092, 3098, 3108, 3109, 3114, 3115, 3120, 3121, 3126, 3127, 3132, 3133, 3138, 3139, 3144, 3145, 3151, 3216, 3258, 3259, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3946, 3978, 4013, 4014, 4015, 4016, 4024, 4025, 4026, 4027, 4031, 4032, 4033, 4034, 4239, 4243, 4284, 4285, 4302, 4307, 4308, 4432, 4464, 4536, 4561, 4564, 4612, 4613, 4661, 4662, 4728, 4729, 4745, 5091, 5182, 5184	<code>\sffamily</code>	4043	
<code>\setLTRcitationfont</code>	84	<code>\shadowbox</code>	4615, 4668
<code>\SetMathAlphabet</code>	4871	<code>\shadowsize</code>	4613, 4662, 4666
<code>\SetMathAlphabet@</code>	4871	<code>\shipout</code>	1306
<code>\SetMathCharDef</code>	4885, 4959	<code>\shortarticleitem</code>	4798
<code>\SetMathCode</code>	4883, 4948, 4949, 4950, 4951, 4952, 4953, 4954, 4955, 4956, 4957, 4958	<code>\shortarticleItemTitleFormat</code>	4196, 4197
<code>\setmathdigitfont</code>	4934	<code>\shortarticleSubtitleFormat</code>	4194, 4195
<code>\setmathsfdigitfont</code>	4966	<code>\shortarticleTitleFormat</code> 4192, 4193	
<code>\setmathttdigitfont</code>	4979	<code>\sixt@n</code>	1653, 1690
<code>\setmonofont</code>	2699	<code>\skip</code>	3260
<code>\setnavarfont</code>	2810	<code>\slftitle</code>	1598
<code>\setpersianfont</code>	88, 1291, 1334, 2918, 2933, 2936, 2939, 2964	<code>\sltttitle</code>	1599
<code>\setpersianmonofont</code>	2789	<code>\small</code>	3082, 3083, 3282, 4022, 4023, 4077, 4081, 4087, 4158, 4180, 4199
<code>\setpersiansansfont</code>	2768	<code>\smash</code>	3285
<code>\setpookfont</code>	2831	<code>\SOUL@tt</code>	2495, 2496
		<code>\space</code>	2016, 2105, 2531, 2961, 3536, 4246, 4247, 4387, 4388, 4390, 4419, 4420, 4422, 4453, 4454, 4456, 4473, 4474, 4476, 4494, 4495, 4497, 4593, 4594, 4596, 4703, 5122, 5357, 5358
		<code>\SplitFootnoteRule</code>	3712
		<code>\ssf@size</code>	3910, 3912
		<code>\stctitle</code>	1597
		<code>\stepcounter</code> 26, 1325, 2503, 5097, 5110, 5141	
		<code>\str</code> 2627, 2692, 2783, 2804, 2825, 2846, 2867, 2888	
		<code>\string</code>	67, 1779, 1813, 1902, 2271, 2957, 3838, 3842, 3898, 3900, 3904, 3906, 3910, 3912



`\strip@pt` 2900, 2905, 3004, 3052, 3891
`\subparagraphautorefname` 1367
`\subsectionautorefname` .. 1364
`\subsubsectionautorefname` 1365
`\symnew@mathbf@font@digits` .. 4896
`\symnew@mathit@font@digits` .. 4904
`\symnew@mathrm@font@digits` 4912
`\symnew@mathsf@font@digits` .. 4920
`\symnew@mathtt@font@digits` .. 4928

T
`\tableautorefname` 1359
`\tablename` 3288
`\tabularxcolumn` 5079
`\tartibi` .. 1192, 1206, 1211, 2414, 2448, 2478, 3427
`\tartibinumeral` 3433
`\test` 1424, 1425, 1426
`\textbf` 2, 3, 1339, 1341, 1343, 1345, 4604, 4638, 4653, 4691
`\textblockorigin` 4264
`\textdegree` 4078
`\TextDigitFontOff` 3012
`\TextDigitFontOn` ... 3011, 3014
`\textfloatsep` 3264, 3268
`\textheight` 4271, 4296
`\textiranic` 2763
`\textit` 4189
`\textnavar` 2764
`\textpersiansf` 2761
`\textpersiantt` 2762
`\textpook` 2765
`\textsayah` 2766
`\textsc` 4191
`\textsuperscript` 1974
`\texttt` 4048
`\textwidth` 1747, 4270, 4290, 4602, 5128
`\textwidthfootnoterule` .. 3714
`\tf@size` 3898, 3900
`\thanks` 4201, 4221

`\the` 137, 142, 1419, 1724, 2222, 2227, 2233, 2240, 2250, 2264, 2560, 2975, 2976, 2977, 2980, 2981, 2982, 2986, 2987, 2988, 2991, 2992, 2993, 3055, 3067, 3068, 3069, 3070, 3071, 3084, 3085, 3086, 3087, 3088, 3101, 3102, 3103, 3104, 3105, 3112, 3118, 3124, 3130, 3136, 3142, 3148, 3162, 3163, 3178, 3179, 3193, 3194, 3209, 3210, 3224, 3226, 4246, 4247, 4732, 5055, 5059, 5330, 5339, 5349
`\the@choice` 5100, 5122
`\thebook` 1581
`\thechapter` 20, 31, 103, 114, 121, 133, 1286, 1298, 1580, 1587, 2377, 2384, 2391, 2399, 2440, 2470
`\theclass` 1421, 1426
`\theHchapter` 1376, 1393
`\theHsection` 1375, 1391
`\thempfn` 1749
`\thempfootnote` 1749, 3577
`\theoremautorefname` 1369
`\thepage` . 2016, 2033, 2063, 2105, 2961, 4088
`\thepart` 9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1401, 1582, 2372, 2379, 2386, 2394, 2402, 2435, 2465
`\thequestion` 5121, 5161, 5197
`\thesection` 12, 34, 43, 49, 55, 61, 1275, 1404, 2406
`\thirdarticle` . 4426, 4453, 4454, 4456
`\thirdSubtitleFormat` 4153, 4155
`\thirdTextFormat` ... 4156, 4157
`\thirdTitleFormat` .. 4144, 4149, 4150
`\thispagestyle` 4343, 4348
`\thr@@` 1776, 1795, 1796, 1810, 1831, 1832, 1858, 1870, 1871, 1899, 1926, 1927



`\timestamp` 4181, 4378, 4408, 4444
`\timestampFormat` . . . 4180, 4182
`\timestampSeparator` 4179, 4184
`\timestampTxt` 4178, 4183
`\tiny` 3116, 3117, 4018
`\title` 4227
`\TitleBarFrame` . 1339, 1341, 1343,
1345
`\tl` 2619, 2628, 2693, 2698, 2699,
2775, 2784, 2796, 2805, 2817,
2826, 2838, 2847, 2859, 2868,
2880, 2889, 4862, 4879, 4960,
4961, 4962, 4974, 4987
`\tmp` 5075
`\today` 2940, 2942, 4699
`\topmargin` 1318
`\topsep` 3154, 3162,
3170, 3178, 3185, 3193, 3200,
3209, 3214, 3224, 3227
`\TPHorizModule` 4059, 4284, 4383,
4415, 4466, 4513, 4514, 4537,
4538, 4561
`\TPVertModule` 4285
`\true` 5150
`\truesymbol` 5144
`\ttdefault` 2667, 2668
`\tw@` 1419, 1671, 1674,
1756, 1762, 1763, 1765, 1775,
1785, 1786, 1809, 1819, 1820,
1857, 1863, 1864, 1869, 1898,
1908, 1909, 2117, 2975, 2976,
2977, 2980, 2981, 2982
`\twocolumnstableofcontents` . .
. 3278
`\typeout` 2559, 2561, 4232

U

`\Umathchardef` 4886
`\Umathcode` 4884
`\undefined`
1611, 4991, 5023, 5031, 5032,
5033, 5035, 5036, 5037, 5043,
5044, 5045, 5047, 5048, 5049
`\unhbox` 1733
`\unpenalty` 172

`\unskip` 169, 1887, 1888, 1889, 1974,
2037, 2068
`\unvbox` 1733
`\use` . 2620, 2640, 2685, 2708, 2712,
2726, 2730, 2776, 2797, 2818,
2839, 2860, 2881
`\use@mathgroup` 4821
`\usebox` 4236
`\usecounter` 5134

V

`\value` 2500, 5104, 5120
`\vbox` . 1306, 1319, 1704, 1721, 1726,
1727, 1744, 1851, 1941, 1945,
1951, 1955, 4775, 4801
`\vcenter` 1730, 1731
`\verbatim@addtoline`
. . . 2206, 2221, 2232, 2239,
2241, 2249, 2251, 2263, 2265
`\verbatim@finish` 2259
`\verbatim@processline` . . . 2210,
2223, 2243
`\verbatim@startline` 2199, 2211,
2224, 2244
`\version@elt` 4867
`\version@list` 4867
`\vfil` 4202, 4218
`\voidb@x` 150
`\vrb@catcodes` 2193
`\vskip` 1318, 1320, 1321, 4203, 4206,
4208, 4214
`\vspace` . . 4238, 4257, 4319, 4329,
4372, 4376, 4399, 4402, 4406,
4413, 4431, 4435, 4439, 4448,
4507, 4511, 4567, 4588, 4636,
4640, 4659, 4689, 4693, 4738,
4740, 4750, 4753, 4778, 4780,
4800, 4802, 5132, 5190, 5192
`\vss` 1733
`\vtop` 1728, 1729, 1850

W

`\weatherFormat` 4073, 4075
`\weatheritem` . . 4479, 4494, 4495,
4497
`\weatherTempFormat` . 4077, 4487



\weatherUnits 4078, 4489
\whiledo 5104
\width 1347, 2302, 2303
\write ... 2957, 3755, 3767, 3779
\writexviiiifalse 2606
\writexviiiitruel 2604

X
\X 5074
\x 2588, 2593
\xdef 1377, 1395, 3898, 3900, 3904,
3906, 3910, 3912, 4821, 5100,
5105, 5129, 5130, 5151, 5152,
5155, 5156
\XePersian 1384, 3285, 4097
\xepersian 2280, 2282
\xepersian@@adadi .. 3343, 3368
\xepersian@@adadi@tartibi 3444,
3469
\xepersian@@baselineskip@scale
... 2898, 2904, 2916, 2920,
2922, 2930, 3820, 3886
\xepersian@@fontsize@branch .
..... 3631, 3812
\xepersian@@fontsize@scale ..
... 2897, 2899, 2915, 2919,
2921, 2929, 3808, 3882, 3893
\xepersian@@latin@baselineskip@scale
... 2906, 2916, 3824
\xepersian@@latin@fontsize@scale
... 2901, 2915, 3816
\xepersian@@math@fontsize@scale
..... 3804, 3891
\xepersian@@start@switch@textdigitfont
... 2649, 2651, 2654, 2656,
2658, 2660, 2662, 2664, 2667,
3852
\xepersian@@stop@switch@textdigitfont
... 2650, 2652, 2653, 2657,
2659, 2661, 2663, 2665, 2668
\xepersian@@update@math@fontsize
. 3890, 3900, 3906, 3912
\xepersian@A ... 1413, 1431, 1452,
1453, 1455, 2660, 2661
\xepersian@adadi ... 3337, 3342

\xepersian@adadi@tartibi 3438,
3443
\xepersian@cmds@temp 2583, 2601
\xepersian@coltitsize
... 3940, 4663, 4664, 4665,
4666, 4669, 4674, 4679, 4684
\xepersian@computeautoilg 2971,
3921
\xepersian@cx . 4267, 4272, 4289
\xepersian@cy . 4268, 4273, 4295
\XePersian@d .. 5203, 5228, 5333,
5352, 5354, 5357, 5362
\xepersian@D ... 1410, 1433, 1434,
1435, 1436, 1438, 1442, 1443,
1444, 1445, 1446, 1450, 1452,
2656, 2657
\xepersian@dahgan .. 3401, 3422,
3505
\xepersian@dahgan@tartibi 3503,
3511
\XePersian@dn
... 5223, 5322, 5330, 5333,
5336, 5340, 5352, 5354
\xepersian@dx . 4265, 4270, 4281,
4284
\xepersian@dy . 4266, 4271, 4282,
4285
\xepersian@edition . 4047, 4051,
4087, 4207, 4339
\xepersian@editionLogo .. 4049,
4317, 4335
\xepersian@editorialTit . 4744,
4763
\xepersian@editorialTitle 4190,
4749
\xepersian@everyjob 2560, 2561
\xepersian@firstText 4122, 4378
\xepersian@firstTitle 4110, 4373
\xepersian@fmbox ... 4233, 4235,
4236
\xepersian@footcenter ... 4099,
4106, 4358
\xepersian@footleft 4101, 4105,
4357
\xepersian@footright 4096, 4107,
4356



\XePersian@frag 3634, 3636, 3637,
3639
\XePersian@gridcolumns . . 3962,
3964, 4003, 4007
\XePersian@gridrows 3961, 3963,
4003, 4007
\XePersian@H 1414, 1437, 1443, 1444,
1447, 1448, 1451, 1453, 2664,
2665
\XePersian@headcenter . . . 4083,
4093, 4355
\XePersian@headDateTime . 4069,
4323, 4337
\XePersian@headleft 4080, 4092,
4354
\XePersian@headright 4086, 4094,
4353
\XePersian@i 5203, 5326, 5327, 5329,
5330, 5331, 5334, 5338, 5339,
5342, 5343, 5346, 5349, 5351
\XePersian@ilg 2968, 2972, 2976,
2977, 2981, 2982, 3000
\XePersian@imgsize . 3939, 4240,
4241, 4243, 4252, 4253
\XePersian@incolumnntitle 4650,
4669, 4674, 4679, 4684
\XePersian@indexEntry . . . 4059,
4586
\XePersian@indexEntryPage 4065,
4586
\XePersian@indexFrameTitle . .
. 4055, 4562
\XePersian@indexwidth . . . 3943,
4062, 4561, 4565, 4566
\XePersian@inexpandedtitle . .
. . . 4601, 4616, 4621, 4626,
4631
\XePersian@innerSubtitle 4177,
4717
\XePersian@innerTitle 4166, 4716
\XePersian@kabisehfalse . 5273,
5279
\XePersian@kabisehtrue . . 5279
\XePersian@kashida . 1418, 1442,
1443, 1444, 1445, 1446, 1447,
1448, 1449, 1450, 1451, 1452,
1453, 1454
\XePersian@kashidachar . . 1408,
1419
\XePersian@L 1411, 1439, 1445, 1446,
1447, 1448, 1449, 1454, 1455,
2658, 2659
\XePersian@latini . . 5204, 5250
\XePersian@latinii 5205, 5252,
5254
\XePersian@latiniii 5206, 5256
\XePersian@latiniv . 5207, 5257
\XePersian@latinix . 5212, 5262
\XePersian@latinx . . 5208, 5258
\XePersian@latinvi . 5209, 5259
\XePersian@latinvii 5210, 5260
\XePersian@latinviii 5211, 5261
\XePersian@latinix . . 5213, 5263
\XePersian@latinxi . 5214, 5264
\XePersian@latinxii 5215, 5265
\XePersian@leapfalse 5235, 5239,
5245
\XePersian@leaptrue 5245, 5246
\XePersian@localize@verbatim@
. 2201, 2202, 2204, 2212,
2225, 2234, 2245, 2253, 2267
\XePersian@localize@verbatim@@
. 2204, 2205
\XePersian@localize@verbatim@@@
. 2207, 2208
\XePersian@localize@verbatim@@@testend
. 2247, 2257
\XePersian@localize@verbatim@rescan
. 2261, 2270
\XePersian@localize@verbatim@start
. . 2198, 2273, 2274, 2285
\XePersian@localize@verbatim@test
. . . 2216, 2218, 2219
\XePersian@localize@verbatim@testend
. 2230, 2237
\XePersian@m . . 5203, 5228, 5324,
5343, 5346, 5358, 5361
\XePersian@milyoongan . . . 3370,
3381
\XePersian@milyoongan@tartibi
. 3471, 3482



`\XePersian@mminusone` 5225, 5324,
5325, 5327, 5331
`\xepersian@ncol` 4294, 4295
`\xepersian@ncolumns` 3944, 4645,
4646, 4713
`\xepersian@nrow` 4288, 4289
`\xepersian@numberoutofrange` .
. . . 3328, 3339, 3440
`\xepersian@numberstring` . 3325,
3333
`\xepersian@numberstring@tartibi`
. 3431, 3434
`\xepersian@PackageInfo` . . 4882,
4942
`\xepersian@pageleft` 3942, 4729,
4730, 4732, 4734
`\xepersian@pageneed`
. . . 3941, 4243, 4244, 4246,
4249, 4728, 4734
`\xepersian@pages` . . . 4163, 4398,
4430, 4715
`\XePersian@persian@month` 5358,
5363
`\XePersian@persiani` 5204, 5304,
5305, 5335, 5352
`\XePersian@persianii` 5205, 5306
`\XePersian@persianiii` . . . 5206,
5308, 5310
`\XePersian@persianiv` 5207, 5312
`\XePersian@persianix` 5212, 5317
`\XePersian@persianv` 5208, 5313
`\XePersian@persianvi` 5209, 5314
`\XePersian@persianvii` . . . 5210,
5315
`\XePersian@persianviii` . . 5211,
5316
`\XePersian@persianx` 5213, 5318
`\XePersian@persianxi` 5214, 5319
`\XePersian@persianxii` . . . 5215,
5320
`\XePersian@persianxiii` . . 5216,
5321
`\xepersian@pictureCaption` 4159,
4255, 4469
`\xepersian@R` . . . 1412, 1432, 1450,
1451, 1454, 2662, 2663
`\xepersian@sadgan`
. . . 3374, 3379, 3383, 3387,
3392, 3475, 3488
`\xepersian@sadgan@tartibi` 3480,
3484, 3493
`\xepersian@say` . 4232, 4712, 4732,
4735, 4737, 4761, 4787
`\xepersian@secondSubtitle` 4135,
4404
`\xepersian@secondText` . . . 4139,
4408
`\xepersian@secondTitle` . . 4126,
4400
`\xepersian@section` . 4079, 4084,
4708
`\xepersian@setlength`
. . . 3016, 3059, 3061, 3062,
3076, 3078, 3079, 3093, 3095,
3096, 3152, 3154, 3168, 3170,
3183, 3185, 3198, 3200, 3214,
3260, 3262, 3264, 3275
`\xepersian@shellescape` . . 2603
`\xepersian@shortarticleItemTitle`
. 4197, 4801
`\xepersian@shortarticleSubtitle`
. 4195, 4781
`\xepersian@shortarticleTit` . .
. 4773, 4788
`\xepersian@shortarticleTitle` .
. 4193, 4777
`\XePersian@sn`
. . . 5224, 5323, 5335, 5336,
5339, 5340, 5349, 5354
`\xepersian@strutilg`
. . . 2969, 2972, 2987, 2988,
2992, 2993, 3000, 3001, 3004,
3922, 3925
`\xepersian@tartibi` . 3431, 3516
`\xepersian@tcl`
. . . 2967, 2972, 2974, 2975,
2976, 2977, 2980, 2981, 2982,
2986, 2987, 2988, 2991, 2992,
2993, 2998, 2999
`\XePersian@temp`
. . . 5218, 5229, 5230, 5231,
5233, 5237, 5238, 5239, 5242,



5243, 5244, 5245, 5267, 5268,
 5269, 5272, 5273, 5275, 5278,
 5279, 5283, 5284, 5287, 5290,
 5295, 5300, 5302, 5303, 5305
 \xepersian@tempa
 . . 3645, 3653, 3661, 3669,
 3676, 3684, 3691, 3698, 3704,
 3716, 3722, 3728, 3732, 3738,
 3742, 3748, 3761, 3773, 3785,
 3827, 3834, 3849
 \xepersian@tempb
 . . 3645, 3646, 3653, 3654,
 3661, 3662, 3669, 3670, 3676,
 3677, 3684, 3685, 3691, 3692,
 3698, 3699, 3704, 3705, 3716,
 3717, 3722, 3723, 3728, 3729,
 3732, 3733, 3738, 3739, 3742,
 3743, 3748, 3749, 3761, 3762,
 3773, 3774, 3785, 3786, 3827,
 3828, 3834, 3835, 3849, 3850
 \XePersian@tempthree
 . . 5220, 5281, 5282, 5283,
 5285, 5288, 5291, 5292, 5296,
 5299, 5300, 5301, 5302
 \XePersian@temptwo
 . . . 5219, 5269, 5270, 5271,
 5272, 5275, 5276, 5277, 5278,
 5285, 5286, 5287, 5288, 5289,
 5290, 5292, 5293, 5294, 5295,
 5296, 5297, 5298, 5299
 \xepersian@textdigitfont 2642,
 2667, 3853
 \xepersian@thirdSubtitle 4154,
 4437
 \xepersian@thirdText 4157, 4444
 \xepersian@thirdTitle . . . 4145,
 4433
 \XePersian@thirtytwo 5222, 5266,
 5273
 \xepersian@tmp 3633, 3634
 \xepersian@V 1415, 1440
 \xepersian@value . . . 3636, 3639
 \xepersian@weather . 4074, 4509
 \xepersian@www 4044, 4317
 \xepersian@wwwFormat 4043, 4045
 \XePersian@y
 . . 5203, 5228, 5229, 5232,
 5242, 5245, 5267, 5281, 5344,
 5347, 5358, 5360
 \xepersian@yekani . . 3374, 3402,
 3406, 3413, 3416, 3475
 \xepersian@yekanii . 3325, 3387,
 3412, 3488
 \xepersian@yekaniiiii 3383, 3415,
 3484
 \xepersian@yekaniv . 3394, 3418,
 3495
 \xepersian@yekanv . . 3507, 3523
 \XePersian@yModHundred
 . . 5221, 5232, 5233, 5234,
 5237, 5241
 \xepersian@zwj . . 1407, 1418, 1419
 \xepersiandate . 2530, 2531, 2547
 \xepersianInit 4000, 4301
 \xepersianversion . . 2529, 2531,
 2547, 2562
 \XeTeXcharclass 1426, 1437
 \XeTeXcharglyph
 . . . 1419, 2975, 2976, 2977,
 2980, 2981, 2982, 2986, 2987,
 2988, 2991, 2992, 2993
 \XeTeXglyphbounds
 . . . 1419, 2975, 2976, 2977,
 2980, 2981, 2982, 2986, 2987,
 2988, 2991, 2992, 2993
 \XeTeXinterchartoks 1442, 1443,
 1444, 1445, 1446, 1447, 1448,
 1449, 1450, 1451, 1452, 1453,
 1454, 1455, 2649, 2650, 2651,
 2652, 2653, 2654, 2656, 2657,
 2658, 2659, 2660, 2661, 2662,
 2663, 2664, 2665
 \xpg@warning . . 3529, 3534, 3536

 Y
 \y 2589, 2591, 2593
 \year 5228

 Z
 \z 2590, 2591
 \z@ 10, 18, 152, 153,
 164, 166, 1317, 1402, 1649,



1749, 1753, 1758, 1759, 1767, 1777, 1781, 1782, 1787, 1801, 1811, 1815, 1816, 1821, 1837, 1859, 1860, 1871, 1889, 1900, 1904, 1905, 1918, 1932, 2119, 2165, 2167, 2176, 2300, 2301, 2308, 2309, 2651, 2652, 2972, 2975, 2980, 2986, 2991, 3017, 3018, 3019, 3025, 3032, 3033, 3039, 3061, 3078, 3095, 3216, 3225, 3269, 3369, 3371, 3373, 3377, 3393, 3396, 3402, 3470, 3472, 3474, 3478, 3494, 3497, 3507, 3536, 3558, 3562, 3566, 3569, 3632, 5279	@ \ 1602 \ 1608 \ 1602, 1606 \ 1964, 2272 \ 2186 \ 1609, 1961, 1962 \ 1601 \ 1604 \ 1603, 1605
\z@skip 1315, 1316 \ziffer@check 4997, 4998 \ziffer@dcheck 4996, 4997 \ziffer@DotOri 4994, 4997 \ZifferAn 4992, 4995 \ZifferLeer 4997, 5023	
\ 1119, 1589, 2185 \ 1613, 1615, 1618, 1625 \ 1618 \ 1603, 1610, 1611, 1614, 1615, 1623, 1625 \ 1608, 1609, 1613, 1620 \ 1601, 1607, 1608, 1613, 1618, 1619 \ 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1611 \ 1613, 1614, 1619, 1620, 1622, 1623 \ 1613, 1618 \ 1613, 1614, 1619, 1623 \ 1608, 1609 \ 1613, 1615, 1620, 1625 @ \ 1602, 1606	
@ \ 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331	



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>	124
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	157
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	85

