



The XePersian *Package*

Documentation for version 15.3

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/persian-tex/xepersian/issues>

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

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The XePersian *Package*

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

Documentation for [version 15.3](#)

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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 © 2008-2014 Vafa Khalighi
*
* v15.3, 2014/11/04
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/persian-tex/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.

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.

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>



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

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which $\tilde{}$ is a separate letter) for sorting Persian alphabets.

2.4.7 localise Option

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



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

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

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

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

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

Table 1: The Equivalent \LaTeX and \TeX Commands

Command in \TeX or \LaTeX	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplayskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>

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

Continued on next page



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

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سر بند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار@
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crr</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatecode</code>	\کد مکان غیرهما نطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\بعد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@یک</code>
<code>\dimen@ii</code>	<code>\بعد@دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه مساوی</code>
<code>\dotfill</code>	<code>\پر نقطه</code>
<code>\dots</code>	<code>\نقاط</code>
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پاگروه</code>

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\اگر نه</code>
<code>\em</code>	<code>\تاکید</code>
<code>\emergencystretch</code>	<code>\کشش لاجرم</code>
<code>\emph</code>	<code>\موکد</code>
<code>\@empty</code>	<code>\@پوچ</code>
<code>\empty</code>	<code>\پوچ</code>
<code>\emptyset</code>	<code>\مجموعه پوچ</code>
<code>\end</code>	<code>\پایان</code>
<code>\endL</code>	<code>\پایان چپ</code>
<code>\endR</code>	<code>\پایان راست</code>
<code>\endcsname</code>	<code>\پایان نام فرمان</code>
<code>\endfirsthead</code>	<code>\پایان اولین سر</code>
<code>\endfoot</code>	<code>\پایان پا</code>
<code>\endgraf</code>	<code>\ته بند</code>
<code>\endgroup</code>	<code>\پایان گروه</code>
<code>\endhead</code>	<code>\پایان سر</code>
<code>\endinput</code>	<code>\پایان ورودی</code>
<code>\endlastfoot</code>	<code>\پایان آخرین پا</code>
<code>\enlargethispage</code>	<code>\گسترش این صفحه</code>
<code>\endline</code>	<code>\ته سطر</code>
<code>\endlinechar</code>	<code>\نویسه ته سطر</code>
<code>\enspace</code>	<code>\ان دوری</code>
<code>\enskip</code>	<code>\ان فاصله</code>
<code>\eqcommand</code>	<code>\فرمان جانشین</code>
<code>\eqenvironment</code>	<code>\محیط جانشین</code>
<code>\eqref</code>	<code>\ارجاع فر</code>
<code>\errhelp</code>	<code>\کمک خطا</code>
<code>\errmessage</code>	<code>\پیام خطا</code>
<code>\errorcontextlines</code>	<code>\سطر متن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>
<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادر</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هر بند</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\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>
<code>\fontseries</code>	<code>\شمایل قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیرنویس</code>
<code>\footnote</code>	<code>\زیرنویس</code>
<code>\footnotemark</code>	<code>\علامت زیرنویس</code>
<code>\footnoterule</code>	<code>\خط زیرنویس</code>

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hfill</code>	<code>\</code> پررا
<code>\hfilneg</code>	<code>\</code> رفع‌پرا
<code>\hfuzz</code>	<code>\</code> پرزاقفی
<code>\hideskip</code>	<code>\</code> فاصله مخفی
<code>\hidewidth</code>	<code>\</code> عرض پنهان
<code>\hline</code>	<code>\</code> خط‌پر
<code>\hoffset</code>	<code>\</code> حاشیه ا
<code>\holdinginserts</code>	<code>\</code> حفظ درج
<code>\hrboxsep</code>	<code>\</code> فاصله اگر
<code>\hrule</code>	<code>\</code> خط ا
<code>\hrulefill</code>	<code>\</code> پرخط ا
<code>\hsize</code>	<code>\</code> طول سطر
<code>\hskip</code>	<code>\</code> فاصله ا
<code>\hspace</code>	<code>\</code> فضای ا
<code>\hss</code>	<code>\</code> هر دو
<code>\ht</code>	<code>\</code> ارتفاع
<code>\huge</code>	<code>\</code> بزرگ
<code>\Huge</code>	<code>\</code> بزرگ تر
<code>\hyperlink</code>	<code>\</code> ابر پیوند
<code>\hypersetup</code>	<code>\</code> بارگذاری ابر
<code>\hypertarget</code>	<code>\</code> هدف ابر
<code>\hyphenation</code>	<code>\</code> تیره‌بندی
<code>\hyphenchar</code>	<code>\</code> نویسه تیره
<code>\hyphenpenalty</code>	<code>\</code> جریمه تیره‌بندی
<code>\@ifclassloaded</code>	<code>\</code> @گر کلاس فراخوانی شده
<code>\@ifdefinable</code>	<code>\</code> @گر ترشدنی
<code>\@ifnextchar</code>	<code>\</code> @گر نویسه بعدی
<code>\@ifpackageloaded</code>	<code>\</code> @گر سبک فراخوانی شده
<code>\@ifstar</code>	<code>\</code> @گر ستاره
<code>\@ifundefined</code>	<code>\</code> @گر تعریف نشده
<code>\if</code>	<code>\</code> گر
<code>\if@tempswa</code>	<code>\</code> گر @سواقت آ
<code>\ifcase</code>	<code>\</code> گر انواع
<code>\ifcat</code>	<code>\</code> گر رده
<code>\ifdefined</code>	<code>\</code> گر تعریف شده
<code>\ifdim</code>	<code>\</code> گر بعد
<code>\ifeof</code>	<code>\</code> گر ته‌پرونده
<code>\iff</code>	<code>\</code> گر ر
<code>\iffalse</code>	<code>\</code> گر نادرست
<code>\IfFileExists</code>	<code>\</code> گر پرونده موجود

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifhbox</code>	<code>\گرکادرا</code>
<code>\ifhmode</code>	<code>\گرحالت ا</code>
<code>\ifinner</code>	<code>\گردرونی</code>
<code>\ifmmode</code>	<code>\گرحالت ریاضی</code>
<code>\ifnum</code>	<code>\گرعدد</code>
<code>\ifodd</code>	<code>\گرفرد</code>
<code>\ifthenelse</code>	<code>\گرآنگاه دیگر</code>
<code>\iftrue</code>	<code>\گردرست</code>
<code>\ifvbox</code>	<code>\گرکادرو</code>
<code>\ifvmode</code>	<code>\گرحالت و</code>
<code>\ifvoid</code>	<code>\گرتهی</code>
<code>\ifx</code>	<code>\گرنام</code>
<code>\ignorespaces</code>	<code>\فاصله خالی رانده بگير</code>
<code>\immediate</code>	<code>\فوری</code>
<code>\include</code>	<code>\شامل</code>
<code>\includegraphics</code>	<code>\درج تصویر</code>
<code>\includeonly</code>	<code>\مشمولین</code>
<code>\indent</code>	<code>\تورفتگی</code>
<code>\index</code>	<code>\درنمایه</code>
<code>\indexentry</code>	<code>\استعلام</code>
<code>\indexname</code>	<code>\عنوان نمایه</code>
<code>\indexspace</code>	<code>\فاصله رهنما</code>
<code>\input</code>	<code>\ورودی</code>
<code>\InputIfFileExists</code>	<code>\ورودپرونده گرموجود</code>
<code>\inputlineno</code>	<code>\شماره سطرورودی</code>
<code>\insert</code>	<code>\درج</code>
<code>\insertpenalties</code>	<code>\جریمه درج</code>
<code>\interfootnotelinepenalty</code>	<code>\جریمه بین سطرهای زیرنویس</code>
<code>\interdisplaylinepenalty</code>	<code>\جریمه بین سطرهای نمایش</code>
<code>\interlinepenalty</code>	<code>\جریمه بین سطرها</code>
<code>\intertext</code>	<code>\متن داخلی</code>
<code>\intertextsep</code>	<code>\فاصله شناورد رمتن</code>
<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>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلب</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کدکوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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 جد اول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جد اول</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>\اییس@زار</code>
<code>\m@ne</code>	<code>\من@a</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>
<code>\magstep</code>	<code>\گام</code>
<code>\magstephalf</code>	<code>\نیم گام</code>
<code>\mainmatter</code>	<code>\مطلب اصلی</code>
<code>\makeatletter</code>	<code>\ات حرف</code>
<code>\makeatother</code>	<code>\ات دیگر</code>
<code>\makebox</code>	<code>\کادر بی خط</code>
<code>\makeglossary</code>	<code>\ساخت فرهنگ</code>
<code>\makeindex</code>	<code>\تهیه نمایه</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی
<code>\month</code>	\ماه
<code>\moveleft</code>	\انتقال بچپ
<code>\moveright</code>	\انتقال بر راست
<code>\mskip</code>	\فاصله ریاضی
<code>\m@th</code>	\ری @ ضی
<code>\multicolumn</code>	\چند ستونی
<code>\multiply</code>	\ضرب
<code>\multispan</code>	\چند ادغام

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطرمتعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطرمتعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>
<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایداشت ها</code>

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

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\parskip</code>	<code>\فاصله‌بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان‌بخش</code>
<code>\partopsep</code>	<code>\فاصله‌بالای لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد‌بدنمایی</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 گزینه‌ها</code>
<code>\protect</code>	<code>\تأمین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادی‌کال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتیکت</code>
<code>\rangle</code>	<code>\زاویه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removeatlastskip</code>	<code>\رفع آخرین فاصله</code>
<code>\renewcommand</code>	<code>\فرمان ازنو</code>
<code>\renewenvironment</code>	<code>\محیط ازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبک موردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک موردنیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی ازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scriptstyle</code>	<code>\سبک ته نوشت</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\scrollmode</code>	<code>\پردازش‌گذری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف‌قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز‌ببینید</code>
<code>\seename</code>	<code>\نام‌ببینید</code>
<code>\selectfont</code>	<code>\قلم‌بردار</code>
<code>\setboolean</code>	<code>\تنظیم‌بولی</code>
<code>\setbox</code>	<code>\در‌کادر</code>
<code>\setcounter</code>	<code>\مقدار‌شمارنده</code>
<code>\setkeys</code>	<code>\مقدار‌کلیدها</code>
<code>\setlength</code>	<code>\مقدار‌بعد</code>
<code>\setminus</code>	<code>\تنظیم‌منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف‌قلم‌علائم</code>
<code>\settodepth</code>	<code>\تنظیم‌به‌عمق</code>
<code>\settoheight</code>	<code>\تنظیم‌به‌ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار‌بعد‌به‌اندازه</code>
<code>\sfcode</code>	<code>\کد‌ضریب‌فاصله</code>
<code>\sfdefault</code>	<code>\پیش‌فرض‌س‌ف</code>
<code>\sffamily</code>	<code>\فامیل‌سن‌سریف</code>
<code>\shadowbox</code>	<code>\کادر‌سایه‌دار</code>
<code>\sharp</code>	<code>\تیز</code>
<code>\shipout</code>	<code>\بفرست</code>
<code>\shortstack</code>	<code>\پشته‌کوتاه</code>
<code>\show</code>	<code>\نمایش‌ده</code>
<code>\showbox</code>	<code>\نمایش‌ده‌کادر</code>
<code>\showboxbreadth</code>	<code>\میزان‌نمایش‌کادر</code>
<code>\showboxdepth</code>	<code>\عمق‌نمایش‌کادر</code>
<code>\showlists</code>	<code>\نمایش‌ده‌لیستها</code>
<code>\showthe</code>	<code>\نمایش‌ده‌محتوای</code>
<code>\simplefontmode</code>	<code>\حالت‌ساده‌قلم</code>
<code>\sist@n</code>	<code>\شانزد@</code>
<code>\skewchar</code>	<code>\نویسه‌اریب</code>
<code>\skip</code>	<code>\فاصله</code>
<code>\skip@</code>	<code>\فاصل@</code>
<code>\skipdef</code>	<code>\تعریف‌فاصله</code>
<code>\sl</code>	<code>\خوابیده</code>
<code>\sldefault</code>	<code>\پیش‌فرض‌خو</code>
<code>\slshape</code>	<code>\شکل‌خوابیده</code>
<code>\sloppy</code>	<code>\راحت‌چین</code>

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

\@tempdimb	\@بعدقتب
\@tempdimc	\@بعدقتپ
\@tempskipa	\@فاقتآ
\@tempskipb	\@فاقتب
\@tempswafalse	\@سواقتآنادرست
\@tempswatrue	\@سواقتآدرست
\@temptokena	\@جزقتآ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی
\textbar	\میله متنی
\textgreater	\بزرگ ترممتنی
\textless	\کمترمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتی 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>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حد بدنامی
<code>\top</code>	\بالا

Continued on next page



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

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

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\@فر
\z@skip	\@فر فاصله

Table 2: The Equivalent XePersian Commands

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

Continued on next page



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

Table 3: The Equivalent \LaTeX Environments

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

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Environment in \LaTeX	Equivalent Persian Environment
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر رج
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	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
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ

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Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته‌بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته‌بندی راست

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

Table 5: The Equivalent \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	مبدأ
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی

Continued on next page



Original Key	Equivalent Persian Key
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of graphicx package

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

2.4.9 Localizations of font features and font feature options

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

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

Continued on next page



Original font feature	Equivalent Persian font feature
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی

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Original font feature	Equivalent Persian font feature
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکریپت ریاضی
Style	MathScriptScript	اسکریپت اسکریپت 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 زیرقسمت}
16 ...
17 \end{document}

```

2.6 Font Commands



2.6.1 Basic Font Commands

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

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

2.6.2 Defining Extra Persian and Latin Fonts

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

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

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

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

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

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

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



2.6.3 Choosing Persian Sans Font

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

2.6.4 Choosing Persian Mono Font

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

2.6.5 Choosing Persian Iranic Font

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

2.6.6 Choosing Persian Navar Font

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

2.6.7 Choosing Persian Pook Font

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

2.6.8 Choosing Persian Sayeh Font

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

2.6.9 Choosing Latin Sans Font

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

2.6.10 Choosing Latin Mono Font

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



3 Latin and Persian Environment

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

- ☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.
- ☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 `latinitems` and `parsiitems` environments

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

- ☞ `latinitems` environment is similar to `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 `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

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

☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.

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

If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.

☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.

☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

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

6.3.2 The Form and the Mask

```
\headerfont \X
```

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

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

6.3.3 The correction

```
\truesymbol \falsesymbol
```

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

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

```
\correctionstyle
```

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

7 xepersian implementation

7.1 algorithmic-xepersian.def




```

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

```

7.2 algorithm-xepersian.def

```

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

```

7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefntext{%
25       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
36     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37     \floatingpenalty\@MM \hsize\columnwidth
38     \@parboxrestore \parindent\normalparindent \sloppy
39     \protected@edef\@currentlabel{%
40       \csname p@footnote\endcsname\@thefnmark}%
41     \@makefntext{%
42       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
43
44
45

```



```

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

```

7.4 amsbook-xepersian.def

```

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

```



```

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

```

7.5 article-xepersian.def

```

129 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
130 \renewcommand \thepart {\@tartibi\c@part}
131 \renewcommand\appendix{\par
132   \setcounter{section}{0}%
133   \setcounter{subsection}{0}%
134   \gdef\thesection{\@harfi\c@section}}

```

7.6 artikel1-xepersian.def

```

135 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
136 \renewcommand*\thepart{\@tartibi\c@part}
137 \renewcommand*\appendix{\par

```



```

138 \setcounter{section}{0}%
139 \setcounter{subsection}{0}%
140 \gdef\thesection{\@harfi\c@section}}

```

7.7 artikel2-xepersian.def

```

141 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
142 \renewcommand*\thepart{\@tartibi\c@part}
143 \renewcommand*\appendix{\par
144 \setcounter{section}{0}%
145 \setcounter{subsection}{0}%
146 \gdef\thesection{\@harfi\c@section}}

```

7.8 artikel3-xepersian.def

```

147 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
148 \renewcommand*\thepart{\@tartibi\c@part}
149 \renewcommand*\appendix{\par
150 \setcounter{section}{0}%
151 \setcounter{subsection}{0}%
152 \gdef\thesection{\@harfi\c@section}}

```

7.9 backref-xepersian.def

```

153 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
154 \def\backrefpagesname{\if@RTL else\    pages\fi}
155 \def\BR@Latincitex[#1]#2{%
156 \BRorg@Latincitex[#1]#2}%
157 \ifBR@verbose
158 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
159 \fi
160 \Hy@backout{#2}%
161 }
162 \AtBeginDocument{%
163 \@ifundefined{NAT@parse}{%
164 \global\let\BRorg@Latincitex\@Latincitex
165 \global\let\@Latincitex\BR@Latincitex
166 }{%
167 \@ifpackageloaded{hyperref}{%
168 \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
169 }%
170 \PackageInfo{backref}{** backref set up for natbib **}%
171 }%
172 }%

```

7.10 bidentuftsidenote-xepersian.def

```

173 \ProvidesFile{bidentuftsidenote-xepersian.def}[2011/06/18 v0.1 xepersian changes to bidentuftsidenote]
174 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
175 \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
176 \gdef\@bidentuftsidenote@citations{}% clear out any old citations
177 \ifthenelse{\NOT\isempty{#2}}{%
178 \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%

```



```

179 }{%
180   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
181 }%
182 \ifthenelse{\isempty{#1}}{%
183   % no specific footnote number provided
184   \stepcounter{\@mpfn}%
185   \protected@xdef\@thefnmark{\thempfn}%
186   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\latinfont#3}
187 }{%
188   % specific footnote number provided
189   \begingroup%
190     \csname c@\@mpfn\endcsname #1\relax%
191     \unrestored@protected@xdef\@thefnmark{\thempfn}%
192   \endgroup%
193   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\latinfont#3}
194 }%
195 \@bidityftesidenote@print@citations%          print any citations
196 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
197 \unskip\ignorespaces%                          remove extra white space
198 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
199 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
200 }
201 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
202   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
203   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
204   \ifthenelse{\NOT\isempty{#2}}{%
205     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
206   }{%
207     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
208   }%
209   \ifthenelse{\isempty{#1}}{%
210     % no specific footnote number provided
211     \stepcounter{\@mpfn}%
212     \protected@xdef\@thefnmark{\thempfn}%
213     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
214   }{%
215     % specific footnote number provided
216     \begingroup%
217       \csname c@\@mpfn\endcsname #1\relax%
218       \unrestored@protected@xdef\@thefnmark{\thempfn}%
219     \endgroup%
220     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
221   }%
222   \@bidityftesidenote@print@citations%          print any citations
223   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
224   \unskip\ignorespaces%                          remove extra white space
225   \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
226   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
227 }
228 \renewcommand\LTRmarginnote[2][Opt]{%

```



```

229 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
230 \gdef\@bidityftesidenote@citations{}% clear out any old citations
231 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
232 \@bidityftesidenote@print@citations% print any citations
233 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
234 }
235 \renewcommand\RTLmarginnote[2][0pt]{%
236 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
237 \gdef\@bidityftesidenote@citations{}% clear out any old citations
238 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
239 \@bidityftesidenote@print@citations% print any citations
240 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
241 }

```

7.11 bidimoderncv-xepersian.def

```

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

```

7.12 boek3-xepersian.def

```

244 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
245 \renewcommand*\thepart{\@tartibi\c@part}
246 \renewcommand*\frontmatter{%
247 \cleardoublepage
248 \@mainmatterfalse
249 \pagenumbering{harfi}}
250 \renewcommand*\appendix{\par
251 \setcounter{chapter}{0}%
252 \setcounter{section}{0}%
253 \gdef\@chapapp{\appendixname}%
254 \gdef\thechapter{\@harfi\c@chapter}}

```

7.13 boek-xepersian.def

```

255 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
256 \renewcommand*\thepart{\@tartibi\c@part}
257 \renewcommand*\frontmatter{%
258 \cleardoublepage
259 \@mainmatterfalse
260 \pagenumbering{harfi}}
261 \renewcommand*\appendix{\par
262 \setcounter{chapter}{0}%
263 \setcounter{section}{0}%
264 \gdef\@chapapp{\appendixname}%
265 \gdef\thechapter{\@harfi\c@chapter}}

```

7.14 bookest-xepersian.def

```

266 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
267 \renewcommand \thepart {\@tartibi\c@part}
268 \renewcommand\appendix{\par
269 \setcounter{chapter}{0}%

```



```

270 \setcounter{section}{0}%
271 \gdef\@chapapp{\appendixname}%
272 \gdef\thechapter{\@harfi\c@chapter}
273 }%end appendix

```

7.15 book-xepersian.def

```

274 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
275 \renewcommand\frontmatter{%
276     \cleardoublepage
277     \@mainmatterfalse
278     \pagenumbering{harfi}}
279 \renewcommand \thepart {\@tartibi\c@part}
280 \renewcommand\appendix{\par
281     \setcounter{chapter}{0}%
282     \setcounter{section}{0}%
283     \gdef\@chapapp{\appendixname}%
284     \gdef\thechapter{\@harfi\c@chapter}
285 }%end appendix

```

7.16 breqn-xepersian.def

```

286 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
287 \def\@dmath[#1]{\ifRTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
288     \everydisplay\expandafter{\the\everydisplay \display@setup}%
289     \if@noskipsec \leavevmode \fi
290     \if@inlabel \leavevmode \global\@inlabelfalse \fi
291     \if\eq@group\else\eq@prelim\fi
292     \setkeys{breqn}{#1}%
293     \the\eqstyle
294     \eq@setnumber
295     \begingroup
296     \eq@setup@a
297     \eq@startup
298 }
299 \def\@dgroup[#1]{\ifRTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
300     \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
301     \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
302     \global\let\GRP@label\@empty
303     \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
304     \global\grp@linewidth\z@\global\grp@wdNum\z@
305     \global\let\grp@eqs@numbered\@False
306     \global\let\grp@aligned\@True
307     \global\let\grp@shiftnumber\@False
308     \eq@prelim
309     \setkeys{breqn}{#1}%
310     \if\grp@hasNumber \grp@setnumber \fi
311 }
312 \def\@dseries[#1]{\ifRTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
313     \let\display@setup\dseries@display@setup
314     % Question: should this be the default for dseries???

```



```

315 \global\eq@wdCond\z@
316 \@dmath[layout={M},#1]%
317 \mathsurround\z@\@math \penalty\@Mi
318 \let\endmath\ends@math
319 \def\premath{%
320 \ifdim\lastskip<.3em \unskip
321 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
322 }%
323 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
324 \ignorespaces
325 }

```

7.17 latex-localise-commands-xepersian.def

```

326 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of LaTeX]
327 \eqcommand{ }{@arstrut}
328 \eqcommand{ }{above}
329 \eqcommand{ }{abovedisplayshortskip}
330 \eqcommand{ }{abovedisplayskip}
331 \eqcommand{ }{abstractname}
332 \eqcommand{ }{accent}
333 \eqcommand{ }{active}
334 \eqcommand{ }{addcontentsline}
335 \eqcommand{ }{addpenalty}
336 \eqcommand{ }{address}
337 \eqcommand{ }{addtocontents}
338 \eqcommand{ }{addtocounter}
339 \eqcommand{ }{addtolength}
340 \eqcommand{ }{addvspace}
341 \eqcommand{ }{adjdemerits}
342 \eqcommand{ }{advance}
343 \eqcommand{ }{afterassignment}
344 \eqcommand{ }{aftergroup}
345 \eqcommand{ }{aleph}
346 \eqcommand{ }{aliasfontfeature}
347 \eqcommand{ }{aliasfontfeatureoption}
348 \eqcommand{ }{allowbreak}
349 \eqcommand{ @}{alloc@}
350 \eqcommand{ }{allocationnumber}
351 \eqcommand{ }{allowdisplaybreaks}
352 \eqcommand{ }{Alph}
353 \eqcommand{ }{alph}
354 \eqcommand{ }{alsiname}
355 \eqcommand{ }{and}
356 \eqcommand{ }{angle}
357 \eqcommand{ }{appendixname}
358 \eqcommand{ }{approx}
359 \eqcommand{ }{arabic}
360 \eqcommand{ }{arg}
361 \eqcommand{ }{arrayrulecolor}

```




```

362 \eqcommand{      }{arraycolsep}
363 \eqcommand{      }{arrayrulewidth}
364 \eqcommand{      }{arraystretch}
365 \eqcommand{      }{AtBeginDocument}
366 \eqcommand{      }{AtEndDocument}
367 \eqcommand{      }{AtEndOfClass}
368 \eqcommand{      }{AtEndOfPackage}
369 \eqcommand{      }{author}
370 \eqcommand{      }{backmatter}
371 \eqcommand{      }{backslash}
372 \eqcommand{      }{badness}
373 \eqcommand{ }{bar}
374 \eqcommand{      }{baselineskip}
375 \eqcommand{      }{baselinestretch}
376 \eqcommand{      }{batchmode}
377 \eqcommand{ }{begin}
378 \eqcommand{      }{beginL}
379 \eqcommand{      }{beginR}
380 \eqcommand{      }{begingroup}
381 \eqcommand{      }{belowdisplayshortskip}
382 \eqcommand{      }{belowdisplayskip}
383 \eqcommand{ }{bf}
384 \eqcommand{      }{bfdefault}
385 \eqcommand{      }{bfseries}
386 \eqcommand{      }{bgroup}
387 \eqcommand{ }{bibitem}
388 \eqcommand{      }{bibliography}
389 \eqcommand{      }{bibliographystyle}
390 \eqcommand{      }{bibname}
391 \eqcommand{      }{bigskip}
392 \eqcommand{      }{bigskipamount}
393 \eqcommand{      }{botfigrule}
394 \eqcommand{      }{botmark}
395 \eqcommand{      }{bottompageskip}
396 \eqcommand{      }{bottomfraction}
397 \eqcommand{ }{box}
398 \eqcommand{      }{boxmaxdepth}
399 \eqcommand{      }{break}
400 \eqcommand{      }{bullet}
401 \eqcommand{ @ }{@cclv}
402 \eqcommand{ @ }{@cclvi}
403 \eqcommand{ }{caption}
404 \eqcommand{      }{catcode}
405 \eqcommand{      }{cc}
406 \eqcommand{      }{ccname}
407 \eqcommand{      }{cdot}
408 \eqcommand{      }{cdots}
409 \eqcommand{      }{centering}
410 \eqcommand{      }{centerline}
411 \eqcommand{ @ }{ch@ck}

```



```

412 \eqcommand{ }{chapter}
413 \eqcommand{ }{chaptername}
414 \eqcommand{ }{char}
415 \eqcommand{ }{chardef}
416 \eqcommand{ }{CheckCommand}
417 \eqcommand{ }{cite}
418 \eqcommand{ }{ClassError}
419 \eqcommand{ }{ClassInfo}
420 \eqcommand{ }{ClassWarning}
421 \eqcommand{ }{ClassWarningNoLine}
422 \eqcommand{ }{cleaders}
423 \eqcommand{ }{cleardoublepage}
424 \eqcommand{ }{clearpage}
425 \eqcommand{ }{cline}
426 \eqcommand{ }{closein}
427 \eqcommand{ }{closeout}
428 \eqcommand{ }{closing}
429 \eqcommand{ }{clubpenalty}
430 \eqcommand{ }{clubsuit}
431 \eqcommand{ }{colbotmark}
432 \eqcommand{ }{colfirstmark}
433 \eqcommand{ }{color}
434 \eqcommand{ }{colorbox}
435 \eqcommand{ }{coltopmark}
436 \eqcommand{ }{columncolor}
437 \eqcommand{ }{columnsep}
438 \eqcommand{ }{columnwidth}
439 \eqcommand{ }{columnseprule}
440 \eqcommand{ }{contentsline}
441 \eqcommand{ }{contentsname}
442 \eqcommand{ }{copy}
443 \eqcommand{ }{copyright}
444 \eqcommand{ }{count}
445 \eqcommand{ @}{count@}
446 \eqcommand{ }{countdef}
447 \eqcommand{ }{cr}
448 \eqcommand{ }{crr}
449 \eqcommand{ }{csname}
450 \eqcommand{ }{CurrentOption}
451 \eqcommand{ }{dashbox}
452 \eqcommand{ }{dashv}
453 \eqcommand{@ }{@date}
454 \eqcommand{ }{date}
455 \eqcommand{ }{day}
456 \eqcommand{ }{dblbotfigrule}
457 \eqcommand{ }{dblbottomfraction}
458 \eqcommand{ }{dblfigrule}
459 \eqcommand{ }{dblfloatpagefraction}
460 \eqcommand{ }{dblfloatsep}
461 \eqcommand{ }{dblftntlocatecode}

```



```

462 \eqcommand{      }{dbltextfloatsep}
463 \eqcommand{      }{dbltopfraction}
464 \eqcommand{      }{DeclareFixedFont}
465 \eqcommand{      }{DeclareGraphicsExtensions}
466 \eqcommand{      }{DeclareGraphicsRule}
467 \eqcommand{      }{DeclareOldFontCommand}
468 \eqcommand{      }{DeclareOption}
469 \eqcommand{      }{DeclareRobustCommand}
470 \eqcommand{      }{DeclareSymbolFont}
471 \eqcommand{      }{deadcycles}
472 \eqcommand{ }{def}
473 \eqcommand{ @ }{define@key}
474 \eqcommand{ }{definecolor}
475 \eqcommand{ }{deg}
476 \eqcommand{ }{delcode}
477 \eqcommand{ }{delimiter}
478 \eqcommand{ }{delimiterfactor}
479 \eqcommand{ }{depth}
480 \eqcommand{ }{diamondsuit}
481 \eqcommand{ }{dim}
482 \eqcommand{ }{dimen}
483 \eqcommand{ @}{dimen@}
484 \eqcommand{ @ }{dimen@i}
485 \eqcommand{ @ }{dimen@ii}
486 \eqcommand{ }{dimendef}
487 \eqcommand{ }{discretionary}
488 \eqcommand{ }{displaybreak}
489 \eqcommand{ }{displayindent}
490 \eqcommand{ }{displaystyle}
491 \eqcommand{ }{displaywidth}
492 \eqcommand{ }{divide}
493 \eqcommand{ }{documentclass}
494 \eqcommand{ }{do}
495 \eqcommand{ }{dospecials}
496 \eqcommand{ }{dot}
497 \eqcommand{ }{doteq}
498 \eqcommand{ }{dotfill}
499 \eqcommand{ }{dots}
500 \eqcommand{ }{doublebox}
501 \eqcommand{ }{doublerulesepcolor}
502 \eqcommand{ }{doublerulesep}
503 \eqcommand{ }{downarrow}
504 \eqcommand{ }{dp}
505 \eqcommand{ }{dump}
506 \eqcommand{ }{edef}
507 \eqcommand{ }{egroup}
508 \eqcommand{ }{eject}
509 \eqcommand{ }{else}
510 \eqcommand{ }{em}
511 \eqcommand{ }{emergencystretch}

```



```

512 \eqcommand{ }{emph}
513 \eqcommand{@ }{@empty}
514 \eqcommand{ }{empty}
515 \eqcommand{ }{emptyset}
516 \eqcommand{ }{end}
517 \eqcommand{ }{endL}
518 \eqcommand{ }{endR}
519 \eqcommand{ }{endcsname}
520 \eqcommand{ }{endfirsthead}
521 \eqcommand{ }{endfoot}
522 \eqcommand{ }{endgraf}
523 \eqcommand{ }{endgroup}
524 \eqcommand{ }{endhead}
525 \eqcommand{ }{endinput}
526 \eqcommand{ }{endlastfoot}
527 \eqcommand{ }{enlargethispage}
528 \eqcommand{ }{endline}
529 \eqcommand{ }{endlinechar}
530 \eqcommand{ }{enspace}
531 \eqcommand{ }{enskip}
532 \eqcommand{ }{eqcommand}
533 \eqcommand{ }{eqenvironment}
534 \eqcommand{ }{eqref}
535 \eqcommand{ }{errhelp}
536 \eqcommand{ }{errmessage}
537 \eqcommand{ }{errorcontextlines}
538 \eqcommand{ }{errorstopmode}
539 \eqcommand{ }{escapechar}
540 \eqcommand{ }{euro}
541 \eqcommand{ }{evensidemargin}
542 \eqcommand{ }{everycr}
543 \eqcommand{ }{everydisplay}
544 \eqcommand{ }{everyhbox}
545 \eqcommand{ }{everyjob}
546 \eqcommand{ }{everymath}
547 \eqcommand{ }{everypar}
548 \eqcommand{ }{everyvbox}
549 \eqcommand{ }{ExecuteOptions}
550 \eqcommand{ }{exhyphenpenalty}
551 \eqcommand{ }{expandafter}
552 \eqcommand{ }{extracolsep}
553 \eqcommand{@ }{@firstofone}
554 \eqcommand{@ }{@firstoftwo}
555 \eqcommand{ @ }{f@ur}
556 \eqcommand{ }{fam}
557 \eqcommand{ }{fancypage}
558 \eqcommand{ }{fbox}
559 \eqcommand{ }{fboxrule}
560 \eqcommand{ }{fboxsep}
561 \eqcommand{ }{fcolorbox}

```



```

562 \eqcommand{ }{fi}
563 \eqcommand{ }{figurename}
564 \eqcommand{ }{filbreak}
565 \eqcommand{ }{fill}
566 \eqcommand{ }{firstmark}
567 \eqcommand{ }{flat}
568 \eqcommand{ }{floatpagefraction}
569 \eqcommand{ }{floatingpenalty}
570 \eqcommand{ }{floatsep}
571 \eqcommand{ }{flushbottom}
572 \eqcommand{ }{fmtname}
573 \eqcommand{ }{fmtversion}
574 \eqcommand{ }{fnsymbol}
575 \eqcommand{ }{font}
576 \eqcommand{ }{fontdimen}
577 \eqcommand{ }{fontencoding}
578 \eqcommand{ }{fontfamily}
579 \eqcommand{ }{fontname}
580 \eqcommand{ }{fontseries}
581 \eqcommand{ }{fontshape}
582 \eqcommand{ }{fontsize}
583 \eqcommand{ }{footheight}
584 \eqcommand{ }{footins}
585 \eqcommand{ }{footnote}
586 \eqcommand{ }{footnotemark}
587 \eqcommand{ }{footnoterule}
588 \eqcommand{ }{footnotesep}
589 \eqcommand{ }{footnotesize}
590 \eqcommand{ }{footnotetext}
591 \eqcommand{ }{footskip}
592 \eqcommand{ }{frame}
593 \eqcommand{ }{framebox}
594 \eqcommand{ }{frenchspacing}
595 \eqcommand{ }{frontmatter}
596 \eqcommand{ }{futurelet}
597 \eqcommand{@ }{@gobble}
598 \eqcommand{@ }{@gobbletwo}
599 \eqcommand{@ }{@gobblefour}
600 \eqcommand{@ }{@gtempa}
601 \eqcommand{@ }{@gtempb}
602 \eqcommand{ }{gdef}
603 \eqcommand{ }{GenericInfo}
604 \eqcommand{ }{GenericWarning}
605 \eqcommand{ }{GenericError}
606 \eqcommand{ }{global}
607 \eqcommand{ }{globaldefs}
608 \eqcommand{ }{glossary}
609 \eqcommand{ }{glossaryentry}
610 \eqcommand{ }{goodbreak}
611 \eqcommand{ }{graphpaper}

```



```

612 \eqcommand{ }{guillemotleft}
613 \eqcommand{ }{guillemotright}
614 \eqcommand{ }{guilsinglleft}
615 \eqcommand{ }{guilsinglright}
616 \eqcommand{ }{halign}
617 \eqcommand{ }{hang}
618 \eqcommand{ }{hangafter}
619 \eqcommand{ }{hangindent}
620 \eqcommand{ }{hbadness}
621 \eqcommand{ }{hbox}
622 \eqcommand{ }{headheight}
623 \eqcommand{ }{headsep}
624 \eqcommand{ }{headtoname}
625 \eqcommand{ }{heartsuit}
626 \eqcommand{ }{height}
627 \eqcommand{ }{hfil}
628 \eqcommand{ }{hfill}
629 \eqcommand{ }{hfilneg}
630 \eqcommand{ }{hfuzz}
631 \eqcommand{ }{hideskip}
632 \eqcommand{ }{hidewidth}
633 \bidi@csletcs{ }{hline}% this is an exception
634 \eqcommand{ }{hoffset}
635 \eqcommand{ }{holdinginserts}
636 \eqcommand{ }{hrboxsep}
637 \eqcommand{ }{hrule}
638 \eqcommand{ }{hrulefill}
639 \eqcommand{ }{hsize}
640 \eqcommand{ }{hskip}
641 \eqcommand{ }{hspace}
642 \eqcommand{ }{hss}
643 \eqcommand{ }{ht}
644 \eqcommand{ }{huge}
645 \eqcommand{ }{Huge}
646 \eqcommand{ }{hyperlink}
647 \eqcommand{ }{hypersetup}
648 \eqcommand{ }{hypertarget}
649 \eqcommand{ }{hyphenation}
650 \eqcommand{ }{hyphenchar}
651 \eqcommand{ }{hyphenpenalty}
652 \eqcommand{@ }{@ifclassloaded}
653 \eqcommand{@ }{@ifdefinable}
654 \eqcommand{@ }{@ifnextchar}
655 \eqcommand{@ }{@ifpackageloaded}
656 \eqcommand{@ }{@ifstar}
657 \eqcommand{@ }{@ifundefined}
658 \eqcommand{ }{if}
659 \eqcommand{ @ }{if@tempswa}
660 \eqcommand{ }{ifcase}
661 \eqcommand{ }{ifcat}

```



```

662 \eqcommand{      }\{ifdefined\}
663 \eqcommand{      }\{ifdim\}
664 \eqcommand{      }\{ifeof\}
665 \eqcommand{ }\{iff\}
666 \eqcommand{      }\{iffalse\}
667 \eqcommand{      }\{IfFileExists\}
668 \eqcommand{      }\{ifhbox\}
669 \eqcommand{      }\{ifhmode\}
670 \eqcommand{      }\{ifinner\}
671 \eqcommand{      }\{ifmmode\}
672 \eqcommand{ }\{ifnum\}
673 \eqcommand{ }\{ifodd\}
674 \eqcommand{      }\{ifthenelse\}
675 \eqcommand{      }\{iftrue\}
676 \eqcommand{      }\{ifvbox\}
677 \eqcommand{      }\{ifvmode\}
678 \eqcommand{ }\{ifvoid\}
679 \eqcommand{ }\{ifx\}
680 \eqcommand{      }\{ignorespaces\}
681 \eqcommand{ }\{immediate\}
682 \eqcommand{ }\{include\}
683 \eqcommand{      }\{includegraphics\}
684 \eqcommand{      }\{includeonly\}
685 \eqcommand{      }\{indent\}
686 \eqcommand{      }\{index\}
687 \eqcommand{      }\{indexentry\}
688 \eqcommand{      }\{indexname\}
689 \eqcommand{      }\{indexspace\}
690 \eqcommand{ }\{input\}
691 \eqcommand{      }\{InputIfFileExists\}
692 \eqcommand{      }\{inputlineno\}
693 \eqcommand{ }\{insert\}
694 \eqcommand{      }\{insertpenalties\}
695 \eqcommand{      }\{interfootnotelinepenalty\}
696 \eqcommand{      }\{interdisplaylinepenalty\}
697 \eqcommand{      }\{interlinepenalty\}
698 \eqcommand{      }\{intertext\}
699 \eqcommand{      }\{intertextsep\}
700 \eqcommand{ }\{invisible\}
701 \eqcommand{      }\{itdefault\}
702 \eqcommand{      }\{itshape\}
703 \eqcommand{ }\{item\}
704 \eqcommand{      }\{itemindent\}
705 \eqcommand{      }\{itemsep\}
706 \eqcommand{      }\{iterate\}
707 \eqcommand{      }\{itshape\}
708 \eqcommand{      }\{jobname\}
709 \eqcommand{ }\{jot\}
710 \eqcommand{ }\{kern\}
711 \eqcommand{ }\{kill\}

```



```

712 \eqcommand{ }{label}
713 \eqcommand{ }{labelenumi}
714 \eqcommand{ }{labelenumii}
715 \eqcommand{ }{labelenumiii}
716 \eqcommand{ }{labelenumiv}
717 \eqcommand{ }{labelitemi}
718 \eqcommand{ }{labelitemii}
719 \eqcommand{ }{labelitemiii}
720 \eqcommand{ }{labelitemiv}
721 \eqcommand{ }{labelsep}
722 \eqcommand{ }{labelwidth}
723 \eqcommand{ }{language}
724 \eqcommand{ }{large}
725 \eqcommand{ }{Large}
726 \eqcommand{ }{LARGE}
727 \eqcommand{ }{lastbox}
728 \eqcommand{ }{lastkern}
729 \eqcommand{ }{lastpenalty}
730 \eqcommand{ }{lastskip}
731 \eqcommand{ }{LaTeX}
732 \eqcommand{ }{LaTeXe}
733 \eqcommand{ }{lccode}
734 \eqcommand{ }{ldots}
735 \eqcommand{ }{leaders}
736 \eqcommand{ }{leavevmode}
737 \eqcommand{ }{left}
738 \eqcommand{ }{leftmargin}
739 \eqcommand{ }{leftmargini}
740 \eqcommand{ }{leftmarginii}
741 \eqcommand{ }{leftmarginiii}
742 \eqcommand{ }{leftmarginiv}
743 \eqcommand{ }{leftmarginv}
744 \eqcommand{ }{leftmarginvi}
745 \eqcommand{ }{leftmark}
746 \eqcommand{ }{leftpageskip}
747 \eqcommand{ }{leftskip}
748 \eqcommand{ }{let}
749 \eqcommand{ }{line}
750 \eqcommand{ }{linebreak}
751 \eqcommand{ }{linepenalty}
752 \eqcommand{ }{lineskip}
753 \eqcommand{ }{lineskiplimit}
754 \eqcommand{ }{linespread}
755 \eqcommand{ }{linethickness}
756 \eqcommand{ }{linewidth}
757 \eqcommand{ }{listfigurename}
758 \eqcommand{ }{listfiles}
759 \eqcommand{ }{listoffigures}
760 \eqcommand{ }{listoftables}
761 \eqcommand{ }{listparindent}

```




```

762 \eqcommand{      }{listtablename}
763 \eqcommand{      }{LoadClass}
764 \eqcommand{      }{LoadClassWithOptions}
765 \eqcommand{ }{location}
766 \eqcommand{ }{long}
767 \eqcommand{ }{looseness}
768 \eqcommand{ }{lower}
769 \eqcommand{@ }{@makeother}
770 \eqcommand{@ }{@m}
771 \eqcommand{ @ }{@M}
772 \eqcommand{ @ }{@Mi}
773 \eqcommand{ @ }{@Mii}
774 \eqcommand{ @ }{@Miii}
775 \eqcommand{ @ }{@Miv}
776 \eqcommand{ @ }{@MM}
777 \eqcommand{ @ }{@mOne}
778 \eqcommand{ }{mag}
779 \eqcommand{ }{magstep}
780 \eqcommand{ }{magstephalf}
781 \eqcommand{ }{mainmatter}
782 \eqcommand{ }{makeatletter}
783 \eqcommand{ }{makeatother}
784 \eqcommand{ }{makebox}
785 \eqcommand{ }{makeglossary}
786 \eqcommand{ }{makeindex}
787 \eqcommand{ }{makelabel}
788 \eqcommand{ }{makelabels}
789 \eqcommand{ }{MakeLowercase}
790 \eqcommand{ }{maketitle}
791 \eqcommand{ }{MakeUppercase}
792 \eqcommand{ }{marginpar}
793 \eqcommand{ }{marginparpush}
794 \eqcommand{ }{marginparsep}
795 \eqcommand{ }{marginparwidth}
796 \eqcommand{ }{mark}
797 \eqcommand{ }{markboth}
798 \eqcommand{ }{markright}
799 \eqcommand{ }{mathaccent}
800 \eqcommand{ }{mathchar}
801 \eqcommand{ }{mathchardef}
802 \eqcommand{ }{mathcode}
803 \eqcommand{ }{mathrm}
804 \eqcommand{ }{maxdeadcycles}
805 \eqcommand{ }{maxdepth}
806 \eqcommand{ }{maxdimen}
807 \eqcommand{ }{mbox}
808 \eqcommand{ }{mdseries}
809 \eqcommand{ }{meaning}
810 \eqcommand{ }{mediumseries}
811 \eqcommand{ }{medmuskip}

```



```

812 \eqcommand{      }{medskip}
813 \eqcommand{      }{medskipamount}
814 \eqcommand{      }{medspace}
815 \eqcommand{ }{message}
816 \eqcommand{      }{MessageBreak}
817 \eqcommand{      }{minrowclearance}
818 \eqcommand{      }{mkern}
819 \eqcommand{ }{month}
820 \eqcommand{      }{moveleft}
821 \eqcommand{      }{moveright}
822 \eqcommand{      }{mskip}
823 \eqcommand{ @ }{m@th}
824 \eqcommand{      }{multicolumn}
825 \eqcommand{ }{multiply}
826 \eqcommand{      }{multispan}
827 \eqcommand{      }{muskip}
828 \eqcommand{      }{muskipdef}
829 \eqcommand{@ }{@namedef}
830 \eqcommand{@ }{@nameuse}
831 \eqcommand{ @}{@ne}
832 \eqcommand{ }{name}
833 \eqcommand{      }{natural}
834 \eqcommand{      }{nearrow}
835 \eqcommand{      }{nearrower}
836 \eqcommand{      }{NeedsTeXFormat}
837 \eqcommand{ }{neg}
838 \eqcommand{      }{negmedspace}
839 \eqcommand{      }{negthickspace}
840 \eqcommand{      }{negthinspace}
841 \eqcommand{      }{newboolean}
842 \eqcommand{      }{newbox}
843 \eqcommand{      }{newcommand}
844 \eqcommand{      }{newcount}
845 \eqcommand{      }{newcounter}
846 \eqcommand{      }{newdimen}
847 \eqcommand{      }{newenvironment}
848 \eqcommand{      }{newfam}
849 \eqcommand{ }{newfont}
850 \eqcommand{      }{newhelp}
851 \eqcommand{      }{newinsert}
852 \eqcommand{      }{newlabel}
853 \eqcommand{      }{newlength}
854 \eqcommand{      }{newline}
855 \eqcommand{      }{newlinechar}
856 \eqcommand{      }{newmuskip}
857 \eqcommand{      }{newpage}
858 \eqcommand{      }{newread}
859 \eqcommand{      }{newsavebox}
860 \eqcommand{      }{newskip}
861 \eqcommand{      }{newtheorem}

```



```

862 \eqcommand{      }\{newtoks}
863 \eqcommand{      }\{newwrite}
864 \eqcommand{      }\{noalign}
865 \eqcommand{      }\{nobreak}
866 \eqcommand{      }\{nobreakspace}
867 \eqcommand{      }\{nocite}
868 \eqcommand{      }\{noexpand}
869 \eqcommand{      }\{nofiles}
870 \eqcommand{      }\{noindent}
871 \eqcommand{      }\{nointerlineskip}
872 \eqcommand{      }\{nolimits}
873 \eqcommand{      }\{nolinebreak}
874 \eqcommand{      }\{nonstopmode}
875 \eqcommand{      }\{nonfrenchspacing}
876 \eqcommand{      }\{nonumber}
877 \eqcommand{      }\{nopagebreak}
878 \eqcommand{      }\{normalbaselines}
879 \eqcommand{      }\{normalbaselineskip}
880 \eqcommand{      }\{normalcolor}
881 \eqcommand{      }\{normalfont}
882 \eqcommand{      }\{normallineskip}
883 \eqcommand{      }\{normallineskiplimit}
884 \eqcommand{      }\{normalmarginpar}
885 \eqcommand{      }\{normalsize}
886 \eqcommand{      }\{notag}
887 \eqcommand{      }\{null}
888 \eqcommand{      }\{nullfont}
889 \eqcommand{      }\{number}
890 \eqcommand{      }\{numberline}
891 \eqcommand{      }\{numberwithin}
892 \eqcommand{      }\{@evenfoot}
893 \eqcommand{      }\{@evenhead}
894 \eqcommand{      }\{@oddfoot}
895 \eqcommand{      }\{@oddhead}
896 \eqcommand{      }\{@outeqntrue}
897 \eqcommand{      }\{@outeqnfalse}
898 \eqcommand{      }\{obeylines}
899 \eqcommand{      }\{obeyspaces}
900 \eqcommand{      }\{oddsidemargin}
901 \eqcommand{      }\{offinterlineskip}
902 \eqcommand{      }\{omit}
903 \eqcommand{@      }\{@onlypreamble}
904 \eqcommand{      }\{onecolumn}
905 \eqcommand{      }\{onlynotes}
906 \eqcommand{      }\{onlyslides}
907 \eqcommand{      }\{openin}
908 \eqcommand{      }\{openout}
909 \eqcommand{      }\{OptionNotUsed}
910 \eqcommand{      }\{or}
911 \eqcommand{      }\{outer}

```



```

912 \eqcommand{      }{output}
913 \eqcommand{      }{outputpenalty}
914 \eqcommand{      }{overfullrule}
915 \eqcommand{@      }{@preamblecmds}
916 \eqcommand{@ }{p@}
917 \eqcommand{      }{PackageError}
918 \eqcommand{      }{PackageInfo}
919 \eqcommand{      }{PackageWarning}
920 \eqcommand{      }{PackageWarningNoLine}
921 \eqcommand{      }{pagebreak}
922 \eqcommand{      }{pagecolor}
923 \eqcommand{      }{pagedepth}
924 \eqcommand{      }{pagefilllstretch}
925 \eqcommand{      }{pagefillstretch}
926 \eqcommand{      }{pagefilstretch}
927 \eqcommand{      }{pagegoal}
928 \eqcommand{      }{pagename}
929 \eqcommand{      }{pagenumbering}
930 \eqcommand{      }{pageref}
931 \eqcommand{      }{pagerulewidth}
932 \eqcommand{      }{pageshrink}
933 \eqcommand{      }{pagestretch}
934 \eqcommand{      }{pagestyle}
935 \eqcommand{      }{pagetotal}
936 \eqcommand{      }{paperheight}
937 \eqcommand{      }{paperwidth}
938 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
939 \eqcommand{      }{paragraph}
940 \eqcommand{      }{parallel}
941 \eqcommand{      }{parbox}
942 \eqcommand{      }{parfillskip}
943 \eqcommand{      }{parindent}
944 \eqcommand{      }{parsep}
945 \eqcommand{      }{parshape}
946 \eqcommand{      }{parskip}
947 \eqcommand{      }{part}
948 \eqcommand{      }{partname}
949 \eqcommand{      }{partopsep}
950 \eqcommand{      }{PassOptionToClass}
951 \eqcommand{      }{PassOptionToPackage}
952 \eqcommand{      }{path}
953 \eqcommand{      }{patterns}
954 \eqcommand{      }{pausing}
955 \eqcommand{      }{penalty}
956 \eqcommand{      }{phantom}
957 \eqcommand{      }{poptabs}
958 \eqcommand{      }{postdisplaypenalty}
959 \eqcommand{      }{predisplaydirection}
960 \eqcommand{      }{predisplaypenalty}
961 \eqcommand{      }{preplaysize}

```



```

962 \eqcommand{      }{pretolerance}
963 \eqcommand{      }{prevdepth}
964 \eqcommand{      }{prevgraf}
965 \eqcommand{      }{printindex}
966 \eqcommand{      }{ProcessOptions}
967 \eqcommand{ }{protect}
968 \eqcommand{      }{providecommand}
969 \eqcommand{      }{ProvidesClass}
970 \eqcommand{      }{ProvidesFile}
971 \eqcommand{      }{ProvidesPackage}
972 \eqcommand{      }{pushtabs}
973 \eqcommand{ }{quad}
974 \eqcommand{      }{qqquad}
975 \eqcommand{@      }{@outputpagerestore}
976 \eqcommand{      }{radical}
977 \eqcommand{      }{raggedbottom}
978 \eqcommand{      }{raggedleft}
979 \eqcommand{      }{raggedright}
980 \eqcommand{      }{raise}
981 \eqcommand{      }{raisebox}
982 \eqcommand{      }{raisetag}
983 \eqcommand{      }{rangle}
984 \eqcommand{ }{rceil}
985 \eqcommand{      }{read}
986 \eqcommand{ }{ref}
987 \eqcommand{      }{reflectbox}
988 \eqcommand{      }{refname}
989 \eqcommand{      }{refstepcounter}
990 \eqcommand{ }{relax}
991 \eqcommand{      }{removelastskip}
992 \eqcommand{      }{renewcommand}
993 \eqcommand{      }{renewenvironment}
994 \eqcommand{      }{RequirePackage}
995 \eqcommand{      }{RequirePackageWithOptions}
996 \eqcommand{      }{resizebox}
997 \eqcommand{      }{reversemarginpar}
998 \eqcommand{ }{rfloor}
999 \eqcommand{      }{right}
1000 \eqcommand{      }{rightmargin}
1001 \eqcommand{      }{rightmark}
1002 \eqcommand{      }{rightpageskip}
1003 \eqcommand{      }{rightskip}
1004 \eqcommand{      }{rmdefault}
1005 \eqcommand{      }{rmfamily}
1006 \eqcommand{      }{Roman}
1007 \eqcommand{      }{roman}
1008 \eqcommand{      }{romannumeral}
1009 \eqcommand{      }{rotatebox}
1010 \eqcommand{      }{rowcolor}
1011 \eqcommand{ }{rule}

```



```

1012 \eqcommand{@ }{@secondoftwo}
1013 \eqcommand{@ }{@spaces}
1014 \eqcommand{ }{samepage}
1015 \eqcommand{ }{savebox}
1016 \eqcommand{ }{sbox}
1017 \eqcommand{ }{scalebox}
1018 \eqcommand{ }{scdefault}
1019 \eqcommand{ }{scshape}
1020 \eqcommand{ }{setkeys}
1021 \eqcommand{ }{scriptfont}
1022 \eqcommand{ }{scriptscriptfont}
1023 \eqcommand{ }{scriptscriptstyle}
1024 \eqcommand{ }{scriptsize}
1025 \eqcommand{ }{scripstyle}
1026 \eqcommand{ }{scrollmode}
1027 \eqcommand{ }{section}
1028 \eqcommand{ }{secdef}
1029 \eqcommand{ }{see}
1030 \eqcommand{ }{seealso}
1031 \eqcommand{ }{seename}
1032 \eqcommand{ }{selectfont}
1033 \eqcommand{ }{setboolean}
1034 \eqcommand{ }{setbox}
1035 \eqcommand{ }{setcounter}
1036 \eqcommand{ }{setlength}
1037 \eqcommand{ }{setminus}
1038 \eqcommand{ }{SetSymbolFont}
1039 \eqcommand{ }{settodepth}
1040 \eqcommand{ }{settoheight}
1041 \eqcommand{ }{settowidth}
1042 \eqcommand{ }{sfcode}
1043 \eqcommand{ }{sfdefault}
1044 \eqcommand{ }{sffamily}
1045 \eqcommand{ }{shadowbox}
1046 \eqcommand{ }{sharp}
1047 \eqcommand{ }{shipout}
1048 \eqcommand{ }{shortstack}
1049 \eqcommand{ }{show}
1050 \eqcommand{ }{showbox}
1051 \eqcommand{ }{showboxbreadth}
1052 \eqcommand{ }{showboxdepth}
1053 \eqcommand{ }{showlists}
1054 \eqcommand{ }{showthe}
1055 \eqcommand{ }{simplefontmode}
1056 \eqcommand{@ }{@sixt@n}
1057 \eqcommand{ }{skewchar}
1058 \eqcommand{ }{skip}
1059 \eqcommand{@ }{@skip@}
1060 \eqcommand{ }{skipdef}
1061 \eqcommand{ }{sl}

```



```

1062 \eqcommand{      }\{sldefault\}
1063 \eqcommand{      }\{slshape\}
1064 \eqcommand{      }\{sloppy\}
1065 \eqcommand{      }\{slshape\}
1066 \eqcommand{      }\{small\}
1067 \eqcommand{      }\{smallskip\}
1068 \eqcommand{      }\{smallskipamount\}
1069 \eqcommand{      }\{smash\}
1070 \eqcommand{      }\{smile\}
1071 \eqcommand{      }\{snglftlocatencode\}
1072 \eqcommand{      }\{space\}
1073 \eqcommand{      }\{spacefactor\}
1074 \eqcommand{      }\{spaceskip\}
1075 \eqcommand{      }\{spadesuit\}
1076 \eqcommand{      }\{span\}
1077 \eqcommand{      }\{special\}
1078 \eqcommand{      }\{splitmaxdepth\}
1079 \eqcommand{      }\{splittopskip\}
1080 \eqcommand{      }\{star\}
1081 \eqcommand{      }\{stepcounter\}
1082 \eqcommand{      }\{stretch\}
1083 \eqcommand{      }\{string\}
1084 \eqcommand{      }\{strut\}
1085 \eqcommand{      }\{strutbox\}
1086 \eqcommand{      }\{subitem\}
1087 \eqcommand{      }\{subparagraph\}
1088 \eqcommand{      }\{subsection\}
1089 \eqcommand{      }\{substack\}
1090 \eqcommand{      }\{subsubitem\}
1091 \eqcommand{      }\{subsubsection\}
1092 \eqcommand{      }\{subset\}
1093 \eqcommand{      }\{subseteq\}
1094 \eqcommand{      }\{supereject\}
1095 \eqcommand{      }\{suppressfloats\}
1096 \eqcommand{@      }\{@tempa\}
1097 \eqcommand{@      }\{@tempb\}
1098 \eqcommand{@      }\{@tempc\}
1099 \eqcommand{@      }\{@tempd\}
1100 \eqcommand{@      }\{@tempe\}
1101 \eqcommand{@      }\{@tempboxa\}
1102 \eqcommand{@      }\{@tempcnta\}
1103 \eqcommand{@      }\{@tempcntb\}
1104 \eqcommand{@      }\{@tempdima\}
1105 \eqcommand{@      }\{@tempdimb\}
1106 \eqcommand{@      }\{@tempdimc\}
1107 \eqcommand{@      }\{@tempskipa\}
1108 \eqcommand{@      }\{@tempskipb\}
1109 \eqcommand{@      }\{@tempswafalse\}
1110 \eqcommand{@      }\{@tempwatrue\}
1111 \eqcommand{@      }\{@temptokena\}

```



```

1112 \eqcommand{      }{@thefnmark}
1113 \eqcommand{@      }{@thirdofthree}
1114 \eqcommand{      }{tabbingsep}
1115 \eqcommand{      }{tabcolsep}
1116 \eqcommand{      }{tableofcontents}
1117 \eqcommand{      }{tablename}
1118 \eqcommand{      }{tabskip}
1119 \eqcommand{      }{tabularnewline}
1120 \eqcommand{      }{tag}
1121 \eqcommand{      }{telephone}
1122 \eqcommand{      }{TeX}
1123 \eqcommand{      }{text}
1124 \eqcommand{      }{textbullet}
1125 \eqcommand{      }{textfont}
1126 \eqcommand{      }{textemdash}
1127 \eqcommand{      }{textendash}
1128 \eqcommand{      }{texttexclamdown}
1129 \eqcommand{      }{textperiodcentered}
1130 \eqcommand{      }{textquestiondown}
1131 \eqcommand{      }{textquotedblleft}
1132 \eqcommand{      }{textquotedblright}
1133 \eqcommand{      }{textquoteleft}
1134 \eqcommand{      }{textquoteright}
1135 \eqcommand{      }{textvisiblespace}
1136 \eqcommand{      }{textbackslash}
1137 \eqcommand{      }{textbar}
1138 \eqcommand{      }{textgreater}
1139 \eqcommand{      }{textless}
1140 \eqcommand{      }{textbf}
1141 \eqcommand{      }{textcircled}
1142 \eqcommand{      }{textcolor}
1143 \eqcommand{      }{textcompwordmark}
1144 \eqcommand{      }{textfloatsep}
1145 \eqcommand{      }{textfraction}
1146 \eqcommand{      }{textheight}
1147 \eqcommand{      }{textindent}
1148 \eqcommand{      }{textit}
1149 \eqcommand{      }{textmd}
1150 \eqcommand{      }{textnormal}
1151 \eqcommand{      }{textregistered}
1152 \eqcommand{      }{textrm}
1153 \eqcommand{      }{textsc}
1154 \eqcommand{      }{textsf}
1155 \eqcommand{      }{textsl}
1156 \eqcommand{      }{textstyle}
1157 \eqcommand{      }{textsuperscript}
1158 \eqcommand{      }{texttrademark}
1159 \eqcommand{      }{texttt}
1160 \eqcommand{      }{textup}
1161 \eqcommand{      }{textwidth}

```




```

1162 \eqcommand{      }{thanks}
1163 \eqcommand{      }{the}
1164 \eqcommand{      }{thempfn}
1165 \eqcommand{      }{thicklines}
1166 \eqcommand{      }{thickmuskip}
1167 \eqcommand{      }{thinmuskip}
1168 \eqcommand{      }{thickspace}
1169 \eqcommand{      }{thinlines}
1170 \eqcommand{      }{thinspace}
1171 \eqcommand{      }{thisfancypage}
1172 \eqcommand{      }{thispagestyle}
1173 \eqcommand{ @}{thr@@}
1174 \eqcommand{ }{tilde}
1175 \eqcommand{ }{tiny}
1176 \eqcommand{ }{time}
1177 \eqcommand{ }{times}
1178 \eqcommand{ }{title}
1179 \eqcommand{ }{to}
1180 \eqcommand{ }{today}
1181 \eqcommand{ }{toks}
1182 \eqcommand{      }{toksdef}
1183 \eqcommand{      }{tolerance}
1184 \eqcommand{ }{top}
1185 \eqcommand{      }{topfigrule}
1186 \eqcommand{      }{topfraction}
1187 \eqcommand{      }{topmargin}
1188 \eqcommand{      }{topmark}
1189 \eqcommand{      }{toppageskip}
1190 \eqcommand{      }{topsep}
1191 \eqcommand{      }{topskip}
1192 \eqcommand{      }{totalheight}
1193 \eqcommand{      }{tracingall}
1194 \eqcommand{      }{tracingcommands}
1195 \eqcommand{      }{tracinglostchars}
1196 \eqcommand{      }{tracingmacros}
1197 \eqcommand{      }{tracingonline}
1198 \eqcommand{      }{tracingoutput}
1199 \eqcommand{      }{tracingpages}
1200 \eqcommand{      }{tracingparagraphs}
1201 \eqcommand{      }{tracingrestores}
1202 \eqcommand{      }{tracingstats}
1203 \eqcommand{ }{triangle}
1204 \eqcommand{      }{ttdefault}
1205 \eqcommand{      }{ttfamily}
1206 \eqcommand{ @}{tw@}
1207 \eqcommand{      }{twocolumn}
1208 \eqcommand{      }{typein}
1209 \eqcommand{      }{typeout}
1210 \eqcommand{      }{uccode}
1211 \eqcommand{      }{uchyph}

```



```

1212 \eqcommand{ }{\underline}
1213 \eqcommand{ }{\unhbox}
1214 \eqcommand{ }{\unhcopy}
1215 \eqcommand{ }{\unitlength}
1216 \eqcommand{ }{\unkern}
1217 \eqcommand{ }{\unpenalty}
1218 \eqcommand{ }{\unskip}
1219 \eqcommand{ }{\unvbox}
1220 \eqcommand{ }{\unvcopy}
1221 \eqcommand{ }{\updefault}
1222 \eqcommand{ }{\upshape}
1223 \eqcommand{ }{\usebox}
1224 \eqcommand{ }{\usecounter}
1225 \eqcommand{ }{\usefont}
1226 \eqcommand{ }{\usepackage}
1227 \eqcommand{@ }{\vobeyspaces}
1228 \eqcommand{@ }{@void}
1229 \eqcommand{ }{\vadjust}
1230 \eqcommand{ }{\valign}
1231 \eqcommand{ }{\value}
1232 \eqcommand{ }{\vbadness}
1233 \eqcommand{ }{\vbox}
1234 \eqcommand{ }{\vcenter}
1235 \eqcommand{ }{\verb}
1236 \eqcommand{ }{\vfil}
1237 \eqcommand{ }{\vfill}
1238 \eqcommand{ }{\vfilneg}
1239 \eqcommand{ }{\vfuzz}
1240 \eqcommand{ }{\visible}
1241 \eqcommand{ }{\vline}
1242 \eqcommand{ }{\voffset}
1243 \eqcommand{ @ }{\voidb@x}
1244 \eqcommand{ }{\vpageref}
1245 \eqcommand{ }{\vrboxsep}
1246 \eqcommand{ }{\vref}
1247 \eqcommand{ }{\vrule}
1248 \eqcommand{ }{\vsize}
1249 \eqcommand{ }{\vskip}
1250 \eqcommand{ }{\vspace}
1251 \eqcommand{ }{\vsplit}
1252 \eqcommand{ }{\vss}
1253 \eqcommand{ }{\vtop}
1254 \eqcommand{ }{\wd}
1255 \eqcommand{ }{\whiledo}
1256 \eqcommand{ }{\widehat}
1257 \eqcommand{ }{\widetilde}
1258 \eqcommand{ }{\widowpenalty}
1259 \eqcommand{ }{\width}
1260 \eqcommand{ }{\wlog}
1261 \eqcommand{ }{\write}

```



```

1262 \eqcommand{@ }{@xobeysp}
1263 \eqcommand{ @ }{@xxxii}
1264 \eqcommand{ }{xdef}
1265 \eqcommand{ }{xleaders}
1266 \eqcommand{ }{xspaceskip}
1267 \eqcommand{ }{year}
1268 \eqcommand{@ }{z@}
1269 \eqcommand{@ }{z@skip}

```

7.18 color-localise-xepersian.def

```

1270 color} \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1271 0}{rgb}{ } \0,,0}
1272 1}{rgb}{ } \1,,1}
1273 1}{rgb}{ } \0,,0}
1274 0}{rgb}{ } \1,,0}
1275 0}{rgb}{ } \0,,1}
1276 1}{cmyk}{ } \0,,0,0}
1277 0}{cmyk}{ } \1,,0,0}
1278 0}{cmyk}{ } \0,,1,0}

```

7.19 xepersian-localise-commands-xepersian.def

```

1279 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1280 \eqcommand{ }{autofooterule}
1281 \eqcommand{ }{AutoMathsDigits}
1282 \eqcommand{ }{DefaultMathsDigits}
1283 \eqcommand{ @ }{keyval@eq@alias@key}
1284 \eqcommand{ }{deflatinfont}
1285 \eqcommand{ }{defpersianfont}
1286 \eqcommand{ }{hboxL}
1287 \eqcommand{ }{hboxR}
1288 \eqcommand{ }{Latincite}
1289 \eqcommand{ }{latinfont}
1290 \eqcommand{ }{latintoday}
1291 \eqcommand{ }{leftfootnoterule}
1292 \eqcommand{ }{lr}
1293 \eqcommand{ }{LRE}
1294 \eqcommand{ }{LTRdblcol}
1295 \eqcommand{ }{LTRfootnote}
1296 \eqcommand{ }{LTRfootnotetext}
1297 \eqcommand{ }{LTRthanks}
1298 \eqcommand{ }{persianday}
1299 \eqcommand{ }{persianfont}
1300 \eqcommand{ }{PersianMathsDigits}
1301 \eqcommand{ }{persianmonth}
1302 \eqcommand{ }{persianyear}
1303 \eqcommand{ }{plq}
1304 \eqcommand{ }{prq}
1305 \eqcommand{ }{rightfootnoterule}
1306 \eqcommand{ }{rl}

```



```

1307 \eqcommand{      }\{RLE\}
1308 \eqcommand{      }\{RTLdblcol\}
1309 \eqcommand{      }\{RTLfootnote\}
1310 \eqcommand{      }\{RTLfootnotetext\}
1311 \eqcommand{      }\{RTLthanks\}
1312 \eqcommand{@      }\{@SepMark\}
1313 \eqcommand{      }\{SepMark\}
1314 \eqcommand{      }\{setdefaultbibitems\}
1315 \eqcommand{      }\{setdefaultmarginpar\}
1316 \eqcommand{      }\{setdigitfont\}
1317 \eqcommand{      }\{setfootnoteLR\}
1318 \eqcommand{      }\{setfootnoteRL\}
1319 \eqcommand{      }\{setlatintextfont\}
1320 \eqcommand{      }\{setLTR\}
1321 \eqcommand{      }\{setLTRbibitems\}
1322 \eqcommand{      }\{setLTRmarginpar\}
1323 \eqcommand{      }\{setRTL\}
1324 \eqcommand{      }\{setRTLbibitems\}
1325 \eqcommand{      }\{setRTLMarginpar\}
1326 \eqcommand{      }\{settextfont\}
1327 \eqcommand{      }\{textwidthfootnoterule\}
1328 \eqcommand{      }\{twocolumnstableofcontents\}
1329 \eqcommand{      }\{unsetfootnoteRL\}
1330 \eqcommand{      }\{unsetLTR\}
1331 \eqcommand{      }\{unsetRTL\}
1332 \eqcommand{      }\{vboxL\}
1333 \eqcommand{      }\{vboxR\}
1334 \eqcommand{      }\{XeLaTeX\}
1335 \eqcommand{      }\{XePersian\}
1336 \eqcommand{      }\{xepersianversion\}
1337 \eqcommand{      }\{xepersiandate\}
1338 \eqcommand{      }\{XeTeX\}

```

7.20 enumerate-xepersian.def

```

1339 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1340 \def\@enloop@{%
1341   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1342   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1343   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1344   \ifx A\@entemp \def\@tempa{\@enLabel\Alph } \else
1345   \ifx a\@entemp \def\@tempa{\@enLabel\alph } \else
1346   \ifx i\@entemp \def\@tempa{\@enLabel\roman } \else
1347   \ifx I\@entemp \def\@tempa{\@enLabel\Roman } \else
1348   \ifx l\@entemp \def\@tempa{\@enLabel\arabic } \else
1349   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1350   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1351   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1352   \let\@tempa\@enOther
1353   \@enhook

```



```

1354 \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1355 \@tempa}

```

7.21 fontspec-xetex-xepersian.def

```

1356 \ProvidesFile{fontspec-xetex-xepersian.def}[2014/07/10 v0.1 fixes for fontspec-xetex package]
1357 \ExplSyntaxOn
1358 \DeclareDocumentCommand \aliasfontfeature {mm}
1359 {
1360   \keys_if_exist:nnTF {fontspec} {#1}
1361   {
1362     \keys_define:nn {fontspec}
1363     { #2 .code:n = { \keys_set:nn {fontspec} { #1 = {##1} } } }
1364   }
1365   {
1366     \keys_if_exist:nnTF {fontspec-renderer} {#1}
1367     {
1368       \keys_define:nn {fontspec-renderer}
1369       { #2 .code:n = { \keys_set:nn {fontspec-renderer} { #1 = {##1} } } }
1370     }
1371     {
1372       \keys_if_exist:nnTF {fontspec-prepare} {#1}
1373       {
1374         \keys_define:nn {fontspec-prepare}
1375         { #2 .code:n = { \keys_set:nn {fontspec-prepare} { #1 = {##1} } } }
1376       }
1377       {
1378         \keys_if_exist:nnTF {fontspec-prepare-external} {#1}
1379         {
1380           \keys_define:nn {fontspec-prepare-external}
1381           {
1382             #2 .code:n =
1383             { \keys_set:nn {fontspec-prepare-external} { #1 = {##1} } }
1384           }
1385         }
1386         {
1387           \__fontspec_warning:nx {rename-feature-not-exist} {#1}
1388         }
1389       }
1390     }
1391   }
1392 }
1393 \ExplSyntaxOff

```

7.22 latex-localise-environments-xepersian.def

```

1394 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1395 \eqenvironment{ }{abstract}
1396 \eqenvironment{ }{appendix}
1397 \eqenvironment{ }{array}
1398 \eqenvironment{ }{center}

```



```

1399 \eqenvironment{ }{description}
1400 \eqenvironment{ }{displaymath}
1401 \eqenvironment{ }{document}
1402 \eqenvironment{ }{enumerate}
1403 \eqenvironment{ }{figure}
1404 \eqenvironment{ *}{figure*}
1405 \eqenvironment{ }{filecontents}
1406 \eqenvironment{ *}{filecontents*}
1407 \eqenvironment{ }{flushleft}
1408 \eqenvironment{ }{flushright}
1409 \eqenvironment{ }{itemize}
1410 \eqenvironment{ }{letter}
1411 \eqenvironment{ }{list}
1412 \eqenvironment{ }{longtable}
1413 \eqenvironment{ }{lrbox}
1414 \eqenvironment{ }{math}
1415 \eqenvironment{ }{matrix}
1416 \eqenvironment{ }{minipage}
1417 \eqenvironment{ }{multline}
1418 \eqenvironment{ }{note}
1419 \eqenvironment{ }{overlay}
1420 \eqenvironment{ }{picture}
1421 \eqenvironment{ }{quotation}
1422 \eqenvironment{ }{quote}
1423 \eqenvironment{ }{slide}
1424 \eqenvironment{ }{sloppypar}
1425 \eqenvironment{ }{split}
1426 \eqenvironment{ }{subarray}
1427 \eqenvironment{ }{tabbing}
1428 \eqenvironment{ }{table}
1429 \eqenvironment{ *}{table*}
1430 \eqenvironment{ }{tabular}
1431 \eqenvironment{ *}{tabular*}
1432 \eqenvironment{ }{thebibliography}
1433 \eqenvironment{ }{theindex}
1434 \eqenvironment{ }{titlepage}
1435 \eqenvironment{ }{trivlist}
1436 \eqenvironment{ }{verse}

```

7.23 xepersian-localise-environments-xepersian.def

```

1437 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisati
1438 \eqenvironment{ }{latin}
1439 \eqenvironment{ }{LTR}
1440 \eqenvironment{ }{LTRitems}
1441 \eqenvironment{ }{modernpoem}
1442 \eqenvironment{ *}{modernpoem*}
1443 \eqenvironment{ }{persian}
1444 \eqenvironment{ }{RTL}
1445 \eqenvironment{ }{RTLitems}

```



```

1446 \eqenvironment{    }{traditionalpoem}
1447 \eqenvironment{    *}{traditionalpoem*}

```

7.24 extarticle-xepersian.def

```

1448 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1449 \renewcommand\thepart      {\@tartibi\c@part}
1450 \renewcommand\appendix{\par
1451   \setcounter{section}{0}%
1452   \setcounter{subsection}{0}%
1453   \gdef\thesection{\@harfi\c@section}}

```

7.25 extbook-xepersian.def

```

1454 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1455 \renewcommand\frontmatter{%
1456   \cleardoublepage
1457   \@mainmatterfalse
1458   \pagenumbering{harfi}}
1459 \renewcommand \thepart {\@tartibi\c@part}
1460 \renewcommand\appendix{\par
1461   \setcounter{chapter}{0}%
1462   \setcounter{section}{0}%
1463   \gdef\@chapapp{\appendixname}%
1464   \gdef\thechapter{\@harfi\c@chapter}
1465 }%end appendix

```

7.26 extrafootnotefeatures-xepersian.def

```

1466 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafoot]
1467 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1468 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1469 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

7.27 extreport-xepersian.def

```

1470 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1471 \renewcommand\thepart      {\@tartibi\c@part}
1472 \renewcommand\appendix{\par
1473   \setcounter{chapter}{0}%
1474   \setcounter{section}{0}%
1475   \gdef\@chapapp{\appendixname}%
1476   \gdef\thechapter{\@harfi\c@chapter}}

```

7.28 flowfram-xepersian.def

```

1477 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1478 \def\@outputpage{%
1479   \begingroup
1480   \let\protect\noexpand
1481   \@resetactivechars
1482   \global\let\@if@newlist\if@newlist
1483   \global\@newlistfalse\@parboxrestore

```



```

1484 \shipout\vbox{\set@typeset@protect
1485 \aftergroup
1486 \endgroup
1487 \aftergroup
1488 \set@typeset@protect
1489 \reset@font\normalsize\normalsfcodes
1490 \let\label\@gobble
1491 \let\index\@gobble
1492 \let\glossary\@gobble
1493 \baselineskip\z@skip
1494 \lineskip\z@skip
1495 \lineskiplimit\z@
1496 \vskip\topmargin\moveright\@themargin
1497 \vbox{%
1498 \vskip\headheight
1499 \vskip\headsep
1500 \box\@outputbox
1501 }%
1502 \global\let\if@newlist\@if@newlist
1503 \stepcounter{page}%
1504 \setcounter{displayedframe}{0}%
1505 \let\firstmark\botmark}

```

7.29 footnote-xepersian.def

```

1506 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1507
1508
1509
1510 \long\def\@footnotetext#1{\insert\footins{%
1511 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1512 \reset@font\footnotesize
1513 \interlinepenalty\interfootnotelinepenalty
1514 \splittopskip\footnotesep
1515 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1516 \hsize\columnwidth \@parboxrestore
1517 \protected@edef\@currentlabel{%
1518 \csname p@footnote\endcsname\@thefnmark
1519 }%
1520 \color@begingroup
1521 \@makefntext{%
1522 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut
1523 \color@endgroup}}%
1524
1525
1526
1527
1528
1529 \long\def\@RTLfootnotetext#1{\insert\footins{%
1530 \@RTLtrue%

```




```

1531 \reset@font\footnotesize
1532 \interlinepenalty\interfootnotelinepenalty
1533 \splittopskip\footnotesep
1534 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1535 \hsize\columnwidth \@parboxrestore
1536 \protected@edef\@currentlabel{%
1537     \csname p@footnote\endcsname\@thefnmark
1538 }%
1539 \color@begingroup
1540     \@makefntext{%
1541         \rule{z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1542     \color@endgroup}}%
1543
1544
1545
1546
1547
1548 \long\def\@LTRfootnotetext#1{\insert\footins{%
1549     \@RTLfalse%
1550     \reset@font\footnotesize
1551     \interlinepenalty\interfootnotelinepenalty
1552     \splittopskip\footnotesep
1553     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1554     \hsize\columnwidth \@parboxrestore
1555     \protected@edef\@currentlabel{%
1556         \csname p@footnote\endcsname\@thefnmark
1557     }%
1558     \color@begingroup
1559         \@makefntext{%
1560             \rule{z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1561         \color@endgroup}}%
1562
1563 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1564 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1565 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1566
1567
1568
1569 \long\def\@mpfootnotetext#1{%
1570 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
1571 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1572     \unvbox\@mpfootins
1573     \reset@font\footnotesize
1574     \hsize\columnwidth
1575     \@parboxrestore
1576     \protected@edef\@currentlabel
1577         {\csname p@mpfootnote\endcsname\@thefnmark}}%
1578 \color@begingroup
1579     \@makefntext{%
1580         \rule{z@\footnotesep\ignorespaces\ifRTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut

```



```

1581 \color@endgroup}}
1582
1583
1584
1585
1586
1587 \long\def\@mpRTLfootnotetext#1{%
1588 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
1589 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1590 \unvbox\@mpfootins
1591 \reset@font\footnotesize
1592 \hsize\columnwidth
1593 \@parboxrestore
1594 \protected@edef\@currentlabel
1595 {\csname p@mpfootnote\endcsname\@thefnmark}%
1596 \color@begingroup
1597 \makefnintext{%
1598 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1599 \color@endgroup}}
1600
1601
1602 \long\def\@mplTRfootnotetext#1{%
1603 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
1604 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1605 \unvbox\@mpfootins
1606 \reset@font\footnotesize
1607 \hsize\columnwidth
1608 \@parboxrestore
1609 \protected@edef\@currentlabel
1610 {\csname p@mpfootnote\endcsname\@thefnmark}%
1611 \color@begingroup
1612 \makefnintext{%
1613 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1614 \color@endgroup}}

```

7.30 framed-xepersian.def

```

1615 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1616 \renewenvironment{titled-frame}[1]{%
1617 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1618 \TitleBarFrame{\textbf{#1}}}%
1619 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1620 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1621 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1622 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1623 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1624 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1625 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1626 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1627 % could interfere with the width measurement.

```



```
1628 {\endMakeFramed}
```

7.31 glossaries-xepersian.def

```
1629 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1630 \glsaddprotectedpagefmt{@harfi}
1631 \glsaddprotectedpagefmt{@tartibi}
1632 \glsaddprotectedpagefmt{@adadi}
```

7.32 hyperref-xepersian.def

```
1633 \ProvidesFile{hyperref-xepersian.def}[2013/04/09 v0.5 bilingual captions for hyperref package]
1634 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1635 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1636 \def\itemautorefname{\if@RTL else\ item\fi}%
1637 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1638 \def\tableautorefname{\if@RTL else\ Table\fi}%
1639 \def\partautorefname{\if@RTL else\ Part\fi}%
1640 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1641 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1642 \def\sectionautorefname{\if@RTL else\ section\fi}%
1643 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1644 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1645 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1646 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1647 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1648 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1649 \def\pageautorefname{\if@RTL else\ page\fi}%
1650 \AtBeginDocument{%
1651 \let\HyOrg@appendix\appendix
1652 \def\appendix{%
1653 \ltx@ifundefined{chapter}%
1654 {\gdef\theHsection{\Alph{section}}}%
1655 {\gdef\theHchapter{\Alph{chapter}}}%
1656 \xdef\Hy@chapapp{\Hy@appendixstring}%
1657 \HyOrg@appendix
1658 }
1659 }
1660 \pdfstringdefDisableCommands{%
1661 \let\lr\@firstofone
1662 \let\rl\@firstofone
1663 \def\XePersian{XePersian}
1664 }
```

7.33 imspc-xepersian.def

```
1665 \ProvidesFile{imspc-xepersian.def}[2013/04/26 v0.3 implementation of imspc class for xepersian]
1666 \newenvironment{thebibliography}[1]{%
1667 \@bibtitlestyle
1668 \normalfont\bibliofont\labelsep .5em\relax
1669 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
1670 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
```



```

1671 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1672 \leftmargin\labelwidth \advance\leftmargin\labelsep
1673 \usecounter{enumiv}}%
1674 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1675 \sfcode`\.=\@m
1676 }{%
1677 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1678 \endlist
1679 }
1680 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1681 \columnseprule\z@ \columnsep 35p@
1682 \@indextitlestyle
1683 \thispagestyle{plain}%
1684 \let\item\@idxitem
1685 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1686 \if@RTL\raggedleft\else\raggedright\fi
1687 \hyphenpenalty\@M
1688 \footnotesize}
1689 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1690 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1691 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1692 \renewcommand \thepart {\@tartibi\c@part}
1693 \def\appendix{\par\c@section\z@ \c@subsection\z@
1694 \let\sectionname\appendixname
1695 \def\thesection{\@harfi\c@section}}
1696 \def\right@footnoterule{%
1697 \hbox to \columnwidth
1698 {\beginR \vbox{\kern-.4\p@
1699 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1700 \def\left@footnoterule{\kern-.4\p@
1701 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1702 \def\@makefnmark{%
1703 \leavevmode
1704 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}
1705 }
1706
1707
1708
1709 \long\def\@footnotetext#1{%
1710 \insert\footins{%
1711 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1712 \normalfont\footnotesize
1713 \interlinepenalty\interfootnotelinepenalty
1714 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1715 \floatingpenalty\@MM \hsize\columnwidth
1716 \@parboxrestore \parindent\normalparindent \sloppy
1717 \protected@edef\@currentlabel{%
1718 \csname p@footnote\endcsname\@thefnmark}%
1719 \@makefntext{%
1720 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}

```



```

1721
1722
1723
1724
1725
1726 \long\def\@RTLfootnotetext#1{%
1727   \insert\footins{%
1728     \@RTLtrue%
1729     \normalfont\footnotesize
1730     \interlinepenalty\interfootnotelinepenalty
1731     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1732     \floatingpenalty\@MM \hsize\columnwidth
1733     \@parboxrestore \parindent\normalparindent \sloppy
1734     \protected@edef\@currentlabel{%
1735       \csname p@footnote\endcsname\@thefnmark}%
1736     \@makefnfntext{%
1737       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}%
1738
1739
1740
1741
1742
1743
1744
1745 \long\def\@LTRfootnotetext#1{%
1746   \insert\footins{%
1747     \@RTLfalse%
1748     \normalfont\footnotesize
1749     \interlinepenalty\interfootnotelinepenalty
1750     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1751     \floatingpenalty\@MM \hsize\columnwidth
1752     \@parboxrestore \parindent\normalparindent \sloppy
1753     \protected@edef\@currentlabel{%
1754       \csname p@footnote\endcsname\@thefnmark}%
1755     \@makefnfntext{%
1756       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}%
1757
1758 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1759 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1760 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1761
1762 \def\part{\@startsection{part}{0}%
1763   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
1764   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1765 \def\@tocline#1#2#3#4#5#6#7{\relax
1766   \ifnum #1>\c@tocdepth % then omit
1767   \else
1768     \par \addpenalty\@secpenalty\addvspace{#2}%
1769     \begingroup \hyphenpenalty\@M
1770     \@ifempty{#4}{%

```



```

1771 \@tempdima\csname r@tocindent\number#1\endcsname\relax
1772 }{%
1773 \@tempdima#4\relax
1774 }%
1775 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#3\relax
1776 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1777 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1778 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1779 \nobreak
1780 \endgroup
1781 \fi}
1782 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1783 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1784 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1785 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1786 \def\maketitle{\par
1787 \@topnum\z@ % this prevents figures from falling at the top of page 1
1788 \@setcopyright
1789 \thispagestyle{firstpage}% this sets first page specifications
1790 \uppercase\nonmath\shorttitle
1791 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1792 \else \andify\shortauthors
1793 \fi
1794 \@maketitle@hook
1795 \begingroup
1796 \@maketitle
1797 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
1798 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
1799 \edef\@tempa{%
1800 \@nx\markboth{\the\toks4
1801 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1802 \@tempa
1803 \endgroup
1804 \c@footnote\z@
1805 \cleartopmattertags
1806 }

```

7.34 kashida-xepersian.def

```

1807 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian package]
1808 \chardef\xepersian@zwj="200D % zero-width joiner
1809
1810 \chardef\xepersian@D=10 % dual-joiner class
1811 \chardef\xepersian@L=11 % lam
1812 \chardef\xepersian@R=12 % right-joiner
1813 \chardef\xepersian@A=13 % alef
1814 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1815 \def\xepersian@kashida{\xepersian@zwj\nobreak%
1816 \leaders\hrule height \XeTeXglyphheight2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphdepth4 \the\XeTeXcharglyph"0640
1817

```



```

1818 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1819   \expandafter\dosetclass\charlist,\end}
1820 \def\dosetclass#1,#2\end{%
1821   \def\test{#1}\def\charlist{#2}%
1822   \ifx\test\empty\let\next\finishsetclass
1823   \else \XeTeXcharclass "\test = \theclass
1824     \let\next\dosetclass \fi
1825   \expandafter\next\charlist,,\end}
1826 \def\finishsetclass#1,,\end{}
1827
1828 \setclass \xepersian@A {0622,0623,0625,0627}
1829 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1830 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1831 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1832 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1833 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1834 \setclass \xepersian@L {0644}
1835 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1836
1837 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1838 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1839 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1840 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1841 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1842 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1843 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1844 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1845
1846 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1847 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1848 \KashidaOn

```

7.35 listings-xepersian.def

```

1849 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1850 \def\lstlistingname{\if@RTL else\   Listing\fi}
1851 \def\lstlistlistingname{\if@RTL   else\   Listings\fi}

```

7.36 loadingorder-xepersian.def

```

1852 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last
1853 \bidi@isloaded{algorithmic}
1854 \bidi@isloaded{algorithm}
1855 \bidi@isloaded{backref}
1856 \bidi@isloaded{enumerate}
1857 \bidi@isloaded{tocloft}
1858 \bidi@isloaded{url}
1859 \AtBeginDocument{
1860   \if@bidi@algorithmicloaded\else
1861     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1862   \fi%

```



```

1863 \if@bidi@algorithmloaded@\else
1864 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{\fi}%
1865 \fi%
1866 \if@bidi@backrefloaded@\else
1867 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{\fi}%
1868 \fi%
1869 \if@bidi@enumerateloaded@\else
1870 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{\fi}%
1871 \fi%
1872 \if@bidi@tocloftloaded@\else
1873 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{\fi}%
1874 \fi%
1875 \if@bidi@urlloaded@\else
1876 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{\fi}%
1877 \fi%
1878 }

```

7.37 localise-xepersian.def

```

1879 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1880 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1881 \makezwnjletter
1882 \newcommand*\eqcommand*[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1883 \newcommand*\eqenvironment*[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}}
1884 \@ifpackageloaded{keyval}{%
1885 \newcommand*\keyval@eq@alias@key[4][KV]{%
1886 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1887 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1888 }{\@ifpackageloaded{xkeyval}{%
1889 \newcommand*\keyval@eq@alias@key[4][KV]{%
1890 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1891 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1892 }{}}
1893 \input{latex-localise-commands-xepersian.def}
1894 \input{xepersian-localise-commands-xepersian.def}
1895 \input{latex-localise-environments-xepersian.def}
1896 \input{xepersian-localise-environments-xepersian.def}
1897 \input{latex-localise-messages-xepersian.def}
1898 \input{latex-localise-misc-xepersian.def}
1899 \input{packages-localise-xepersian.def}
1900 \aliasfontfeature{ExternalLocation}{ }
1901 \aliasfontfeature{ExternalLocation}{ }
1902 \aliasfontfeature{Renderer}{ }
1903 \aliasfontfeature{BoldFont}{ }
1904 \aliasfontfeature{Language}{ }
1905 \aliasfontfeature{Script}{ }
1906 \aliasfontfeature{UprightFont}{ }
1907 \aliasfontfeature{ItalicFont}{ }
1908 \aliasfontfeature{BoldItalicFont}{ }
1909 \aliasfontfeature{SlantedFont}{ }

```




```

1910 \aliasfontfeature{BoldSlantedFont}{      }
1911 \aliasfontfeature{SmallCapsFont}{      }
1912 \aliasfontfeature{UprightFeatures}{      }
1913 \aliasfontfeature{BoldFeatures}{      }
1914 \aliasfontfeature{ItalicFeatures}{      }
1915 \aliasfontfeature{BoldItalicFeatures}{      }
1916 \aliasfontfeature{SlantedFeatures}{      }
1917 \aliasfontfeature{BoldSlantedFeatures}{      }
1918 \aliasfontfeature{SmallCapsFeatures}{      }
1919 \aliasfontfeature{SizeFeatures}{      }
1920 \aliasfontfeature{Scale}{      }
1921 \aliasfontfeature{WordSpace}{      }
1922 \aliasfontfeature{PunctuationSpace}{      }
1923 \aliasfontfeature{FontAdjustment}{      }
1924 \aliasfontfeature{LetterSpace}{      }
1925 \aliasfontfeature{HyphenChar}{      }
1926 \aliasfontfeature{Color}{      }
1927 \aliasfontfeature{Opacity}{      }
1928 \aliasfontfeature{Mapping}{      }
1929 \aliasfontfeature{Weight}{      }
1930 \aliasfontfeature{Width}{      }
1931 \aliasfontfeature{OpticalSize}{      }
1932 \aliasfontfeature{FakeSlant}{      }
1933 \aliasfontfeature{FakeStretch}{      }
1934 \aliasfontfeature{FakeBold}{      }
1935 \aliasfontfeature{AutoFakeSlant}{      }
1936 \aliasfontfeature{AutoFakeBold}{      }
1937 \aliasfontfeature{Ligatures}{      }
1938 \aliasfontfeature{Alternate}{      }
1939 \aliasfontfeature{Variant}{      }
1940 \aliasfontfeature{Variant}{      }
1941 \aliasfontfeature{CharacterVariant}{      }
1942 \aliasfontfeature{Style}{      }
1943 \aliasfontfeature{Annotation}{      }
1944 \aliasfontfeature{RawFeature}{      }
1945 \aliasfontfeature{CharacterWidth}{      }
1946 \aliasfontfeature{Numbers}{      }
1947 \aliasfontfeature{Contextuals}{      }
1948 \aliasfontfeature{Diacritics}{      }
1949 \aliasfontfeature{Letters}{      }
1950 \aliasfontfeature{Kerning}{      }
1951 \aliasfontfeature{VerticalPosition}{      }
1952 \aliasfontfeature{Fractions}{      }
1953 \aliasfontfeatureoption{Language}{Default}{      }
1954 \aliasfontfeatureoption{Language}{Parsi}{      }
1955 \aliasfontfeatureoption{Script}{Parsi}{      }
1956 \aliasfontfeatureoption{Script}{Latin}{      }
1957 \aliasfontfeatureoption{Style}{MathScript}{      }
1958 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```



7.38 memoir-xepersian.def

```
1959 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1960 \renewcommand{\@memfront}{%
1961   \@smemfront\pagenumbering{harfi}}
1962 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1963 \renewcommand*{\thebook}{\@tartibi\c@book}
1964 \renewcommand*{\thepart}{\@tartibi\c@part}
1965 \renewcommand{\appendix}{\par
1966   \setcounter{chapter}{0}%
1967   \setcounter{section}{0}%
1968   \gdef\@chapapp{\appendixname}%
1969   \gdef\thechapter{\@harfi\c@chapter}%
1970   \anappendixtrue}
```

7.39 latex-localise-messages-xepersian.def

```
1971 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]
```

7.40 minitoc-xepersian.def

```
1972 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1973 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1974 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1975 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1976 \def\mtctitle{\if@RTL else\ Contents\fi}%
1977 \def\mlftitle{\if@RTL else\ Figures\fi}%
1978 \def\mltttitle{\if@RTL else\ Tables\fi}%
1979 \def\stctitle{\if@RTL else\ Contents\fi}%
1980 \def\slftitle{\if@RTL else\ Figures\fi}%
1981 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.41 latex-localise-misc-xepersian.def

```
1982 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
1983 %}1# \ \
1984 \ @ \ @ \ \
1985 \1# \
1986 \1# @\
1987 \1# @\
1988 {\ @ \ \
1989 %}2#1# @\ \
1990 %1# \ @\ \ \ \ \
1991 \2# \ @\ \
1992 {{2#1# \}}
1993 undefined\ \ \
1994
1995 %{ \ \ \ \1#} \ \} \1# \ \
1996 \ { \ \ \
1997 \ \ \
1998
1999
```



```

2000 \ \ \ \%} \#1
2001 \1#} \ \ \% \
2002 \ \ \ \
2003 }%
2004 \
2005 \ \ \
2006 }
2007 \= \ \
2008
2009
2010 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2011 \def\xfloat #1[#2]{%
2012 \nodocument
2013 \def \capttype {#1}%
2014 \def \@fps {#2}%
2015 \@onelevel@sanitize \@fps
2016 \def \reserved@b {!}%
2017 \ifx \reserved@b \@fps
2018 \@fpsadddefault
2019 \else
2020 \ifx \@fps \@empty
2021 \@fpsadddefault
2022 \fi
2023 \fi
2024 \ifhmode
2025 \bsphack
2026 \@floatpenalty -\@Mii
2027 \else
2028 \@floatpenalty-\@Miii
2029 \fi
2030 \ifinner
2031 \@parmoderr\@floatpenalty\z@
2032 \else
2033 \@next\@currbox\@freelist
2034 {%
2035 \@tempcnta \sixt@@n
2036 \expandafter \@tfor \expandafter \reserved@a
2037 \expandafter :\expandafter =\@fps
2038 \do
2039 {%
2040 \if \reserved@a h%
2041 \ifodd \@tempcnta
2042 \else
2043 \advance \@tempcnta \@ne
2044 \fi
2045 \fi
2046 \if \reserved@a %
2047 \ifodd \@tempcnta
2048 \else
2049 \advance \@tempcnta \@ne

```



```

2050         \fi
2051     \fi
2052     \if \reserved@a t%
2053         \@setfpsbit \tw@
2054     \fi
2055     \if \reserved@a %
2056         \@setfpsbit \tw@
2057     \fi
2058     \if \reserved@a b%
2059         \@setfpsbit 4%
2060     \fi
2061     \if \reserved@a %
2062         \@setfpsbit 4%
2063     \fi
2064     \if \reserved@a p%
2065         \@setfpsbit 8%
2066     \fi
2067     \if \reserved@a %
2068         \@setfpsbit 8%
2069     \fi
2070     \if \reserved@a !%
2071         \ifnum \@tempcnta>15
2072             \advance\@tempcnta -\sixt@@n\relax
2073         \fi
2074     \fi
2075     }%
2076     \@tempcntb \csname ftype@\@capttype \endcsname
2077     \multiply \@tempcntb \@xxxii
2078     \advance \@tempcnta \@tempcntb
2079     \global \count\@currbox \@tempcnta
2080     }%
2081     \@fltovf
2082 \fi
2083 \global \setbox\@currbox
2084     \color@vbox
2085     \normalcolor
2086     \vbox \bgroup
2087         \hsize\columnwidth
2088         \@parboxrestore
2089         \@floatboxreset
2090 }
2091 \let\bm@ \bm@c
2092 \let\bm@ \bm@l
2093 \let\bm@ \bm@r
2094 \let\bm@ \bm@b
2095 \let\bm@ \bm@t
2096 \let\bm@ \bm@s
2097 \long\def\@iiparbox#1#2[#3]#4#5{%
2098     \leavevmode
2099     \@pboxswfalse

```



```

2100 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2101 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2102 \setlength\@tempdima{#4}%
2103 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
2104 \ifx\relax#2\else
2105 \setlength\@tempdimb{#2}%
2106 \edef\@parboxto{to\the\@tempdimb}%
2107 \fi
2108 \if#1b\vbox
2109 \else\if#1\vbox
2110 \else\if #1\top
2111 \else\if vtop\ #1
2112 \else\ifmode\vcenter
2113 \else\@pboxswtrue $\vcenter
2114 \fi\fi\fi\fi\fi
2115 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2116 \csname bm@#3\endcsname}%
2117 \if@pboxsw \m@th$\fi
2118 \@end@tempboxa}
2119 \def\@iiiminipage#1#2[#3]#4{%
2120 \leavevmode
2121 \@pboxswfalse
2122 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2123 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2124 \setlength\@tempdima{#4}%
2125 \def\@mpargs{{#1}{#2}{#3}{#4}}%
2126 \setbox\@tempboxa\vbox\bgroup
2127 \color@begingroup
2128 \hsize\@tempdima
2129 \textwidth\hsize \columnwidth\hsize
2130 \@parboxrestore
2131 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2132 \let\@footnotetext\@mpfootnotetext
2133 \let\@LTRfootnotetext\@mpLTRfootnotetext
2134 \let\@RTLfootnotetext\@mpRTLfootnotetext
2135 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2136 \@minipagerestore
2137 \@setminipage}
2138 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2139 \ifnum \@lastchclass=3 5 \else
2140 \z@ \if #1c\@chnum \z@ \else
2141 \if chnum@\ #1 \z@ \else
2142 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
2143 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
2144 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2145 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2146 \@chclass \if #1|\@one \else
2147 \if #1@\tw@ \else
2148 \if #1p3 \else
2149 \if 3 #1 \else \z@ \@preamerr 0\fi

```



```

2150 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2151 \fi}%
2152 }{}
2153 \ifdefinitionfileloaded{array-xetex-bidi}{%
2154 \def\@testpach{\@chclass
2155 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2156 \ifnum \@lastchclass=7 5 \else
2157 \ifnum \@lastchclass=8 \tw@ \else
2158 \ifnum \@lastchclass=9 \thr@@
2159 \else \z@
2160 \ifnum \@lastchclass = 10 \else
2161 \edef\@nextchar{\expandafter\string\@nextchar}%
2162 \@chnum
2163 \if \@nextchar c\z@ \else
2164 \if \@nextchar @\ \else
2165 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2166 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2167 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2168 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2169 \z@ \@chclass
2170 \if \@nextchar |\@ne \else
2171 \if \@nextchar !6 \else
2172 \if \@nextchar @7 \else
2173 \if \@nextchar <8 \else
2174 \if \@nextchar >9 \else
2175 10
2176 \@chnum
2177 \if \@nextchar m\thr@@\else
2178 \if \@nextchar thr@@\else\
2179 \if \@nextchar p4 \else
2180 \if \@nextchar 4 \else
2181 \if \@nextchar b5 \else
2182 \if \@nextchar 5 \else
2183 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
2184 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2185 }{}
2186 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2187 \ifadl@usingarypkg
2188 \def\@testpach{\@chclass
2189 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2190 \ifnum \@lastchclass=7 5 \else
2191 \ifnum \@lastchclass=8 \tw@ \else
2192 \ifnum \@lastchclass=9 \thr@@
2193 \else \z@
2194 \ifnum \@lastchclass = 10 \else
2195 \edef\@nextchar{\expandafter\string\@nextchar}%
2196 \@chnum
2197 \if \@nextchar c\z@ \else
2198 \if \@nextchar @\ \else
2199 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else

```



```

2200 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2201 \if \@nextchar \if@RTLtab l\else r\fi\@tw\ \else
2202 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2203 \z@ \@chclass
2204 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2205 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2206 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2207 \if \@nextchar !6 \else
2208 \if \@nextchar @7 \else
2209 \if \@nextchar <8 \else
2210 \if \@nextchar >9 \else
2211 10
2212 \@chnum
2213 \if \@nextchar m\thr@@\else
2214 \if \@nextchar thr@@\else\
2215 \if \@nextchar p4 \else
2216 \if \@nextchar 4 \else
2217 \if \@nextchar b5 \else
2218 \if \@nextchar 5 \else
2219 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
2220 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2221
2222 \def\@classz{\@classx
2223 \@tempcnta \count@
2224 \prepnext@tok
2225 \@addtopreamble{\ifcase \@chnum
2226 \hfil
2227 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2228 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2229 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2230 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2231 \adl@endmbox\or
2232 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2233 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2234 \fi}\prepnext@tok}
2235 \def\adl@class@start{4}
2236 \def\adl@class@iiiorvii{7}
2237
2238 \else
2239 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\@tw@ 4\relax \else
2240 \ifnum \@lastchclass=\@thr@@ 5\relax \else
2241 \z@ \if #1c\@chnum \z@ \else
2242 \if @chnum\z@\ #1 \else
2243 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2244 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2245 \if \if@RTLtab#1l\else#1r\fi\@chnum \@tw@ \else
2246 \if \if@RTLtab#1 \else#1 \fi\@chnum \@tw@ \else
2247 \@chclass
2248 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2249 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else

```



```

2250          \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2251          \if #1@tw@ \else
2252          \if #1p\thr@@ \else
2253          \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2254 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2255
2256 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2257 \or \or \@addamp \or
2258 \@acolampacol \or \@firststampfalse \@acol \fi
2259 \edef\@preamble{\@preamble
2260 \ifcase \@chnum
2261 \hfil\adl@putlrc{$\relax\@sharp$}\hfil
2262 \or \adl@putlrc{$\relax\@sharp$}\hfil
2263 \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
2264 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2265 \or \or \@addamp \or
2266 \@acolampacol \or \@firststampfalse \@acol \fi
2267 \edef\@preamble{\@preamble
2268 \ifcase \@chnum
2269 \hfil\adl@putlrc{\@sharp\unskip}\hfil
2270 \or \adl@putlrc{\@sharp\unskip}\hfil
2271 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2272 \def\adl@class@start{6}
2273 \def\adl@class@iiiorvii{3}
2274 \fi
2275 }{}
2276 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2277 \def\@testpach{\@chclass
2278 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2279 \ifnum \@lastchclass=7 5 \else
2280 \ifnum \@lastchclass=8 tw@ \else
2281 \ifnum \@lastchclass=9 \thr@@
2282 \else \z@
2283 \ifnum \@lastchclass = 10 \else
2284 \edef\@nextchar{\expandafter\string\@nextchar}%
2285 \@chnum
2286 \if \@nextchar c\z@ \else
2287 \if \@nextchar @\z@ \else
2288 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2289 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2290 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2291 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2292 \if \@nextchar C7 \else
2293 \if \@nextchar 7 \else
2294 \if \@nextchar L8 \else
2295 \if \@nextchar 8 \else
2296 \if \@nextchar R9 \else
2297 \if \@nextchar 9 \else
2298 \if \@nextchar J10 \else
2299 \if \@nextchar 10 \else

```



[illegible]

```

2350 \ExplSyntaxOff
2351 \expandafter\let\csname end      *\endcsname =\end

```

7.42 natbib-xepersian.def

```

2352 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2353 \renewcommand\NAT@set@cites{%
2354   \ifNAT@numbers
2355     \ifNAT@super \let\@cite\NAT@citesuper
2356       \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2357       \let\citeyearpar=\citeyear
2358       \let\NAT@space\relax
2359       \def\NAT@super@kern{\kern\p}%
2360     \else
2361       \let\NAT@mbox=\mbox
2362       \let\@cite\NAT@citenum
2363       \let\NAT@space\NAT@spacechar
2364       \let\NAT@super@kern\relax
2365     \fi
2366     \let\@citex\NAT@citexnum
2367     \let\@Latincitex\NAT@Latin@citexnum
2368     \let\@biblabel\NAT@biblabelnum
2369     \let\@bibsetup\NAT@bibsetnum
2370     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2371     \def\natexlab##1{%
2372       \def\NAT@penalty{\penalty\@m}%
2373     \else
2374       \let\@cite\NAT@cite
2375       \let\@citex\NAT@citex
2376       \let\@Latincitex\NAT@Latin@citex
2377       \let\@biblabel\NAT@biblabel
2378       \let\@bibsetup\NAT@bibsetup
2379       \let\NAT@space\NAT@spacechar
2380       \let\NAT@penalty\@empty
2381       \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2382       \def\natexlab##1{##1}%
2383     \fi}
2384 \newcommand\NAT@Latin@citex{}
2385 \def\NAT@Latin@citex%
2386   [#1] [#2] #3{%
2387   \NAT@reset@parser
2388   \NAT@sort@cites{#3}%
2389   \NAT@reset@citea
2390   \@citef\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2391     \@for\@citeb:=\NAT@cite@list\do
2392       {\@safe@activetrue
2393         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2394         \@safe@activesfalse
2395         \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2396           {\reset@font\bfseries ?}\NAT@citeundefined

```



```

2397         \PackageWarning{natbib}%
2398 {Citation ` \@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2399 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2400 \NAT@parse{\@citeb}%
2401 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2402 \let\NAT@name=\NAT@all@names
2403 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2404 \fi
2405 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2406 \let\NAT@nm\NAT@name\fi
2407 \ifNAT@swa\ifcase\NAT@ctype
2408 \if\relax\NAT@date\relax
2409 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2410 \else
2411 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2412 \ifx\NAT@last@yr\NAT@year
2413 \def\NAT@temp{}}}%
2414 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2415 {Multiple citation on page \thepage: same authors and
2416 year\MessageBreak without distinguishing extra
2417 letter,\MessageBreak appears as question mark}\fi
2418 \NAT@hyper@{\NAT@exlab}%
2419 \else\unskip\NAT@spacechar
2420 \NAT@hyper@{\NAT@date}%
2421 \fi
2422 \else
2423 \@citea\NAT@hyper@{%
2424 \NAT@nmfmt{\NAT@nm}%
2425 \hyper@natlinkbreak{%
2426 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2427 }%
2428 \NAT@date
2429 }%
2430 \fi
2431 \fi
2432 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2433 \or\@citea\NAT@hyper@{\NAT@date}%
2434 \or\@citea\NAT@hyper@{\NAT@alias}%
2435 \fi \NAT@def@citea
2436 \else
2437 \ifcase\NAT@ctype
2438 \if\relax\NAT@date\relax
2439 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2440 \else
2441 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2442 \ifx\NAT@last@yr\NAT@year
2443 \def\NAT@temp{}}}%
2444 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2445 {Multiple citation on page \thepage: same authors and
2446 year\MessageBreak without distinguishing extra

```



```

2447         letter,\MessageBreak appears as question mark}\fi
2448         \NAT@hyper@{\NAT@exlab}%
2449     \else
2450         \unskip\NAT@spacechar
2451         \NAT@hyper@{\NAT@date}%
2452     \fi
2453 \else
2454     \@citea\NAT@hyper@{%
2455         \NAT@nmfmt{\NAT@nm}%
2456     \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2457     {\@citeb\@extra@b@citeb}%
2458     \NAT@date
2459     }%
2460 \fi
2461 \fi
2462 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2463 \or\@citea\NAT@hyper@{\NAT@date}%
2464 \or\@citea\NAT@hyper@{\NAT@alias}%
2465 \fi
2466 \if\relax\NAT@date\relax
2467     \NAT@def@citea
2468 \else
2469     \NAT@def@citea@close
2470 \fi
2471 \fi
2472 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2473 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2474 \newcommand\NAT@Latin@citexnum{}
2475 \def\NAT@Latin@citexnum[#1][#2]#3{%
2476     \NAT@reset@parser
2477     \NAT@sort@cites{#3}%
2478     \NAT@reset@citea
2479     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2480         \@for\@citeb:=\NAT@cite@list\do
2481         {\@safe@activestrue
2482             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2483             \@safe@activesfalse
2484             \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2485                 {\reset@font\bfseries?}
2486                 \NAT@citeundefined\PackageWarning{natbib}%
2487                 {Citation ``\@citeb' on page \thepage \space undefined}}%
2488             {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2489                 \NAT@parse{\@citeb}%
2490                 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2491                     \let\NAT@name=\NAT@all@names
2492                     \global\@namedef{bv@\@citeb\@extra@b@citeb}{-}}{}%
2493                 \fi
2494                 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2495                     \let\NAT@nm\NAT@name\fi
2496                 \ifNAT@swa

```



```

2497 \ifnum{\NAT@ctype>\@ne}{%
2498 \citea
2499 \NAT@hyper@{\ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2500 }{%
2501 \ifnum{\NAT@cmprs>z@}{%
2502 \NAT@ifcat@num\NAT@num
2503 {\let\NAT@nm=\NAT@num}%
2504 {\def\NAT@nm{-2}}%
2505 \NAT@ifcat@num\NAT@last@num
2506 {\@tempcnta=\NAT@last@num\relax}%
2507 {\@tempcnta\m@ne}%
2508 \ifnum{\NAT@nm=\@tempcnta}{%
2509 \ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2510 }{%
2511 \advance\@tempcnta by\@ne
2512 \ifnum{\NAT@nm=\@tempcnta}{%
2513 \ifx\NAT@last@yr\relax
2514 \def\NAT@last@yr{\citea}%
2515 \else
2516 \def\NAT@last@yr{--\NAT@penalty}%
2517 \fi
2518 }{%
2519 \NAT@last@yr@mbbox
2520 }%
2521 }%
2522 }{%
2523 \@tempswatrue
2524 \ifnum{\NAT@merge>\@ne}{\ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2525 \if@tempswa\NAT@citea@mbbox\fi
2526 }%
2527 }%
2528 \NAT@def@citea
2529 \else
2530 \ifcase\NAT@ctype
2531 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2532 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@open}%
2533 \fi
2534 \if*#1*\else#1\NAT@spacechar\fi
2535 \NAT@mbbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2536 \NAT@def@citea@box
2537 \or
2538 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2539 \or
2540 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2541 \or
2542 \NAT@hyper@citea@space\NAT@alias
2543 \fi
2544 \fi
2545 }%
2546 }%

```



```

2547 \ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2548 \ifNAT@swa\else
2549 \ifnum{\NAT@ctype=\z@}{%
2550 \if*#2*\else\NAT@cmt#2\fi
2551 }{%
2552 \NAT@mbox{\NAT@@close}%
2553 \fi
2554 }}{#1}{#2}%
2555 }%
2556 \AtBeginDocument{\NAT@set@cites}
2557 \DeclareRobustCommand\Latincite
2558 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2559 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2560 \newcommand\NAT@Latin@cites{\ifnextchar [{\NAT@@Latin@@citetp}{%
2561 \ifNAT@numbers\else
2562 \NAT@swafalse
2563 \fi
2564 \NAT@@Latin@@citetp[]}}
2565 \newcommand\NAT@@Latin@@citetp{}
2566 \def\NAT@@Latin@@citetp[#1]{\ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.43 packages-localise-xepersian.def

```

2567 packages} \localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2568 color} \}{color} @\localise-xepersian.def}}{}
2569 \ifpackageloaded{multicol}{%
2570 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2571 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2572 }{}
2573 \ifpackageloaded{verbatim}{%
2574 \begingroup
2575 \vrb@catcodes
2576 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}
2577 \catcode`\~=\active \lccode`\~=\^~M
2578 \lccode`\C=\C
2579 \lowercase{\endgroup
2580 \def\xepersian@localize@verbatim@start#1{%
2581 \verbatim@startline
2582 \if\noexpand#1\noexpand~%
2583 \let\next\xepersian@localize@verbatim@
2584 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2585 \next}%
2586 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2587 \def\xepersian@localize@verbatim@@#1! {%
2588 \verbatim@addtoline{#1}%
2589 \futurelet\next\xepersian@localize@verbatim@@@}%
2590 \def\xepersian@localize@verbatim@@@#1\@nil{%
2591 \ifx\next\@nil
2592 \verbatim@processline
2593 \verbatim@startline

```



```

2594     \let\next\xepersian@localize@verbatim@
2595   \else
2596     \def\@tempa##1!   \@nil{##1}%
2597     \@temptokena{!   }%
2598   \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2599   \fi \next}%
2600 \def\xepersian@localize@verbatim@test#1{%
2601   \let\next\xepersian@localize@verbatim@test
2602   \if\noexpand#1\noexpand~%
2603     \expandafter\verbatim@addtoline
2604     \expandafter{\the\@temptokena}%
2605     \verbatim@processline
2606     \verbatim@startline
2607     \let\next\xepersian@localize@verbatim@
2608   \else \if\noexpand#1
2609     \@temptokena\expandafter{\the\@temptokena#1}%
2610   \else \if\noexpand#1\noexpand[%
2611     \let\@tempc\@empty
2612     \let\next\xepersian@localize@verbatim@testend
2613   \else
2614     \expandafter\verbatim@addtoline
2615     \expandafter{\the\@temptokena}%
2616     \def\next{\xepersian@localize@verbatim@#1}%
2617   \fi\fi\fi
2618   \next}%
2619 \def\xepersian@localize@verbatim@testend#1{%
2620   \if\noexpand#1\noexpand~%
2621     \expandafter\verbatim@addtoline
2622     \expandafter{\the\@temptokena[]}%
2623     \expandafter\verbatim@addtoline
2624     \expandafter{\@tempc}%
2625     \verbatim@processline
2626     \verbatim@startline
2627     \let\next\xepersian@localize@verbatim@
2628   \else\if\noexpand#1\noexpand]%
2629     \let\next\xepersian@localize@verbatim@@testend
2630   \else\if\noexpand#1\noexpand!%
2631     \expandafter\verbatim@addtoline
2632     \expandafter{\the\@temptokena[]}%
2633     \expandafter\verbatim@addtoline
2634     \expandafter{\@tempc}%
2635     \def\next{\xepersian@localize@verbatim@!}%
2636   \else \expandafter\def\expandafter\@tempc\expandafter
2637     {\@tempc#1}\fi\fi\fi
2638   \next}%
2639 \def\xepersian@localize@verbatim@@testend{%
2640   \ifx\@tempc\@currenvir
2641     \verbatim@finish
2642   \edef\next{\noexpand\end{\@currenvir}}%
2643     \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%

```



```

2644 \else
2645 \expandafter\verbatim@addtoline
2646 \expandafter{\the\@temptokena[]}%
2647 \expandafter\verbatim@addtoline
2648 \expandafter{\@tempc}}}%
2649 \let\next\xepersian@localize@verbatim@
2650 \fi
2651 \next}%
2652 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2653 \warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2654 \def\ { \begingroup\@verbatim \frenchspacing\@vobeyspaces
2655 \xepersian@localize@verbatim@start}
2656 \@namedef{ *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2657 \def\end { \endtrivlist\endgroup\@doendpe}
2658 \expandafter\let\csname end * \endcsname = \end
2659 }{}
2660 \ExplSyntaxOn
2661 \AtBeginDocument{
2662 \xepersian_localize_patch_verbatim:
2663 }
2664 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2665 \@ifpackageloaded{verbatim}{
2666 \cs_set:cpn {* } }
2667 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2668 }
2669 }{
2670 }
2671 }
2672 \ExplSyntaxOff
2673 \@ifpackageloaded{graphicx}{%
2674 \def\Gin@boolkey#1#2{%
2675 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2676 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2677 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2678 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2679 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2680 \define@key{Grot}{origin}[c]{%
2681 \@tfor\@tempa:=#1\do{%
2682 \if l\@tempa \Grot@x\z@\else
2683 \if tempa@ \Grot@x\z@\else
2684 \if r\@tempa \Grot@x\width\else
2685 \if tempa@ \Grot@x\width\else
2686 \if t\@tempa \Grot@y\height\else
2687 \if tempa@ \Grot@y\height\else
2688 \if b\@tempa \Grot@y-\depth\else
2689 \if tempa@ \Grot@y-\depth\else
2690 \if B\@tempa \Grot@y\z@\else
2691 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2692 {draft}{ {Gin} @ \
2693 {origin}{ {Gin} @ \

```




```

2694 {origin}{ }{Grot} @ \
2695 {clip}{ }{Gin} @ \
2696 {keepaspectratio}{ }{Gin} @ \
2697 {natwidth}{ }{Gin} @ \
2698 {natheight}{ }{Gin} @ \
2699 {bb}{ }{Gin} @ \
2700 {viewport}{ }{Gin} @ \
2701 {trim}{ }{Gin} @ \
2702 {angle}{ }{Gin} @ \
2703 {width}{ }{Gin} @ \
2704 {height}{ }{Gin} @ \
2705 {totalheight}{ }{Gin} @ \
2706 {scale}{ }{Gin} @ \
2707 {type}{ }{Gin} @ \
2708 {ext}{ }{Gin} @ \
2709 {read}{ }{Gin} @ \
2710 {command}{ }{Gin} @ \
2711 {x}{ }{Grot} @ \
2712 {y}{ }{Grot} @ \
2713 {units}{ }{Grot} @ \
2714 {}{}

```

7.44 parsidigits.map

```

2715 LHSName "Digits"
2716 RHSName "ParsiDigits"
2717
2718 pass(Unicode)
2719 U+0030 <> U+06F0 ;
2720 U+0031 <> U+06F1 ;
2721 U+0032 <> U+06F2 ;
2722 U+0033 <> U+06F3 ;
2723 U+0034 <> U+06F4 ;
2724 U+0035 <> U+06F5 ;
2725 U+0036 <> U+06F6 ;
2726 U+0037 <> U+06F7 ;
2727 U+0038 <> U+06F8 ;
2728 U+0039 <> U+06F9 ;
2729
2730
2731 U+002C <> U+060C ; comma > arabic comma
2732 U+003F <> U+061F ; question mark -> arabic qm
2733 U+003B <> U+061B ; semicolon -> arabic semicolon
2734
2735 ; ligatures from Knuth's original CMR fonts
2736 U+002D U+002D <> U+2013 ; -- -> en dash
2737 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2738
2739 U+0027 <> U+2019 ; ' -> right single quote
2740 U+0027 U+0027 <> U+201D ; '' -> right double quote

```



```

2741 U+0022 > U+201D ; " -> right double quote
2742
2743 U+0060 <> U+2018 ; ` -> left single quote
2744 U+0060 U+0060 <> U+201C ; `` -> left double quote
2745
2746 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclamation
2747 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2748
2749 ; additions supported in T1 encoding
2750 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2751 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2752 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.45 rapport1-xepersian.def

```

2753 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2754 \renewcommand*\thepart{\@tartibi\c@part}
2755 \renewcommand*\appendix{\par
2756   \setcounter{chapter}{0}%
2757   \setcounter{section}{0}%
2758   \gdef\@chapapp{\appendixname}%
2759   \gdef\thechapter{\@harfi\c@chapter}}

```

7.46 rapport3-xepersian.def

```

2760 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2761 \renewcommand*\thepart{\@tartibi\c@part}
2762 \renewcommand*\appendix{\par
2763   \setcounter{chapter}{0}%
2764   \setcounter{section}{0}%
2765   \gdef\@chapapp{\appendixname}%
2766   \gdef\thechapter{\@harfi\c@chapter}}

```

7.47 refrep-xepersian.def

```

2767 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2768 \renewcommand \thepart {\@tartibi\c@part}
2769 \renewcommand\appendix{\par
2770   \setcounter{chapter}{0}%
2771   \setcounter{section}{0}%
2772   \gdef\@chapapp{\appendixname}%
2773   \gdef\thechapter{\@harfi\c@chapter}
2774 }%end appendix

```

7.48 report-xepersian.def

```

2775 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2776 \renewcommand \thepart {\@tartibi\c@part}
2777 \renewcommand\appendix{\par
2778   \setcounter{chapter}{0}%
2779   \setcounter{section}{0}%
2780   \gdef\@chapapp{\appendixname}%
2781   \gdef\thechapter{\@harfi\c@chapter}

```



2782 }%end appendix

7.49 scrartcl-xepersian.def

```
2783 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2784 \renewcommand*{\thepart}{\@tartibi\c@part}
2785 \renewcommand*{\appendix}{\par%
2786   \setcounter{section}{0}%
2787   \setcounter{subsection}{0}%
2788   \gdef\thesection{\@harfi\c@section}%
2789   \csname appendixmore\endcsname
2790 }
2791 \renewcommand*{\@maybeautodot}[1]{%
2792   \ifx #1\@stop\let\@maybeautodot\relax
2793   \else
2794     \ifx #1\harfi \@autodottrue\fi
2795     \ifx #1\adadi \@autodottrue\fi
2796     \ifx #1\tartibi \@autodottrue\fi
2797     \ifx #1\Alph \@autodottrue\fi
2798     \ifx #1\alph \@autodottrue\fi
2799     \ifx #1\Roman \@autodottrue\fi
2800     \ifx #1\roman \@autodottrue\fi
2801     \ifx #1\@harfi \@autodottrue\fi
2802     \ifx #1\@adadi \@autodottrue\fi
2803     \ifx #1\@tartibi \@autodottrue\fi
2804     \ifx #1\@Alph \@autodottrue\fi
2805     \ifx #1\@alph \@autodottrue\fi
2806     \ifx #1\@Roman \@autodottrue\fi
2807     \ifx #1\@roman \@autodottrue\fi
2808     \ifx #1\romannumeral \@autodottrue\fi
2809   \fi
2810   \@maybeautodot
2811 }
```

7.50 scrbook-xepersian.def

```
2812 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2813 \renewcommand*{\frontmatter}{%
2814   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2815   \@mainmatterfalse\pagenumbering{harfi}%
2816 }
2817 \renewcommand*{\thepart}{\@tartibi\c@part}
2818 \renewcommand*{\appendix}{\par%
2819   \setcounter{chapter}{0}%
2820   \setcounter{section}{0}%
2821   \gdef\@chapapp{\appendixname}%
2822   \gdef\thechapter{\@harfi\c@chapter}%
2823   \csname appendixmore\endcsname
2824 }
2825 \renewcommand*{\@maybeautodot}[1]{%
2826   \ifx #1\@stop\let\@maybeautodot\relax
```



```

2827 \else
2828 \ifx #1\harfi \@autodottrue\fi
2829 \ifx #1\adadi \@autodottrue\fi
2830 \ifx #1\tartibi \@autodottrue\fi
2831 \ifx #1\Alph \@autodottrue\fi
2832 \ifx #1\alph \@autodottrue\fi
2833 \ifx #1\Roman \@autodottrue\fi
2834 \ifx #1\roman \@autodottrue\fi
2835 \ifx #1\@harfi \@autodottrue\fi
2836 \ifx #1\@adadi \@autodottrue\fi
2837 \ifx #1\@tartibi \@autodottrue\fi
2838 \ifx #1\@Alph \@autodottrue\fi
2839 \ifx #1\@alph \@autodottrue\fi
2840 \ifx #1\@Roman \@autodottrue\fi
2841 \ifx #1\@roman \@autodottrue\fi
2842 \ifx #1\romannumeral \@autodottrue\fi
2843 \fi
2844 \@maybeautodot
2845 }

```

7.51 scrreprt-xepersian.def

```

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

```



```

2874 \@@maybeautodot
2875 }

```

7.52 tkz-linknodes-xepersian.def

```

2876 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2877 \renewcommand*{\@SetTab}{%
2878 \let\@alph\@latinalph%
2879 \ifnum \value{C@NumTab}>25\relax%
2880 \setcounter{C@NumTab}{1}%
2881 \else%
2882 \stepcounter{C@NumTab}%
2883 \fi%
2884 \setcounter{C@NumGroup}{0}%
2885 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2886 \setboolean{B@FirstLink}{true}
2887 \setboolean{B@NewGroup}{false}
2888 \setcounter{C@NumGroup}{0}
2889 \setcounter{C@CurrentGroup}{0}
2890 \setcounter{NumC@Node}{0}
2891 \setcounter{NumC@stop}{0}
2892 \setcounter{C@NextNode}{0}
2893 \setcounter{C@CurrentStop}{0}
2894 \setcounter{C@CurrentNode}{0}
2895 }%

```

7.53 tocloft-xepersian.def

```

2896 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2897 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2898 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2899 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2900 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2901 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2902 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2903 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2904 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2905 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2906 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.54 xepersian.sty

```

2907 \NeedsTeXFormat{LaTeX2e}
2908 \def\xepersianversion{v15.3}
2909 \def\xepersiandate{2014/11/04}
2910 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2911 Persian typesetting in XeLaTeX]
2912 \RequirePackage{fontspec}
2913 \RequirePackage{xepersian-persiancal}
2914 \RequirePackage{xepersian-mathsdigitspec}
2915 \RequirePackage{bidi}
2916 \edef\@xepersian@info{*****~J%

```



```

2917 * ^^J%
2918 * xepersian package (Persian for LaTeX, using XeTeX engine)^J%
2919 * ^^J%
2920 * Description: The package supports Persian^J%
2921 * typesetting, using fonts provided in the^J%
2922 * distribution.^J%
2923 * ^^J%
2924 * Copyright © 2008-2014 Vafa Khalighi^J%
2925 * ^^J%
2926 * \xepersianversion, \xepersiandate^J%
2927 * ^^J%
2928 * License: LaTeX Project Public License, version^J%
2929 * 1.3c or higher (your choice)^J%
2930 * ^^J%
2931 * Location on CTAN: /macros/xetex/latex/xepersian^J%
2932 * ^^J%
2933 * Issue tracker: https://github.com/persian-tex/xepersian/issues^J%
2934 * ^^J%
2935 * Support: persian-tex@tug.org^J%
2936 *****}
2937 \typeout{\@xepersian@info}
2938 \edef\xepersian@everyjob{\the\everyjob}
2939 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2940 \def\prq{«}
2941 \def\plq{»}
2942 \def\xepersian@cmds@temp#1{%
2943   \begingroup\expandafter\expandafter\expandafter\endgroup
2944   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2945     \begingroup
2946       \escapechar=-1 %
2947       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2948       \def\y{#1}%
2949       \def\z##1->{%}%
2950       \edef\y{\expandafter\z\meaning\y}%
2951       \expandafter\endgroup
2952       \ifx\x\y
2953         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2954           \expandafter{%
2955             \csname#1\endcsname
2956           }%
2957       \fi
2958     \fi
2959   }%
2960 \xepersian@cmds@temp{shellescape}
2961 \newif\ifwritexviii
2962 \ifnum\xepersian@shellescape=1\relax
2963   \writexviiiitru
2964 \else
2965   \writexviiiifalse
2966 \fi

```



```

2967 \newfontscript{Parsi}{arab}
2968 \newfontlanguage{Parsi}{FAR}
2969 \ExplSyntaxOn
2970 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2971 {
2972   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont _family } {Script=Parsi,Lang
2973   \use:x
2974   {
2975     \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
2976     {
2977       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2978       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} } \exp_not:N
2979     }
2980   }
2981   \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
2982   \normalfont
2983 }
2984 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
2985 {
2986   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \latinfont _family } {Mapping=tex-text,#1,
2987   \use:x
2988   {
2989     \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont
2990     {
2991       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2992       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \latinfont _family} } \exp_not:N
2993     }
2994   }
2995 }
2996 \cs_set_eq:NN \setlatinsansfont \setsansfont
2997 \cs_set_eq:NN \setlatinmonofont \setmonofont
2998 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
2999 {
3000   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi,
3001   \use:x
3002   {
3003     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3004     {
3005       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3006       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3007     }
3008   }
3009 }
3010 \DeclareDocumentCommand \deflatinfont { m 0{} m 0{} }
3011 {
3012   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4} {#3}
3013   \use:x
3014   {
3015     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3016     {

```



```

3017     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3018     \exp_not:N \fontfamily {\use:c {\g_fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3019   }
3020 }
3021 }
3022 \newcommand\persiansfdefault{}
3023 \newcommand\persianttdefault{}
3024 \newcommand\iranicsfdefault{}
3025 \newcommand\navarsfdefault{}
3026 \newcommand\pooksfdefault{}
3027 \newcommand\sayehsfdefault{}
3028 \DeclareRobustCommand\persiansffamily
3029   {\not@math@alphabet\persiansffamily\mathpersiansf
3030     \fontfamily\persiansfdefault\selectfont}
3031 \DeclareRobustCommand\persianttffamily
3032   {\not@math@alphabet\persianttffamily\mathpersiantt
3033     \fontfamily\persianttdefault\selectfont}
3034 \DeclareRobustCommand\iranicsffamily
3035   {\not@math@alphabet\iranicsffamily\mathiranicsf
3036     \fontfamily\iranicsfdefault\selectfont}
3037 \DeclareRobustCommand\navarsffamily
3038   {\not@math@alphabet\navarsffamily\mathnavarsf
3039     \fontfamily\navarsfdefault\selectfont}
3040 \DeclareRobustCommand\pooksffamily
3041   {\not@math@alphabet\pooksffamily\mathpooksf
3042     \fontfamily\pooksfdefault\selectfont}
3043 \DeclareRobustCommand\sayehsfamily
3044   {\not@math@alphabet\sayehsfamily\mathsayehsf
3045     \fontfamily\sayehsfdefault\selectfont}
3046 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3047 \DeclareTextFontCommand{\textpersiantt}{\persianttffamily}
3048 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
3049 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
3050 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
3051 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
3052 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3053 {
3054   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3055   \normalfont
3056   \ignorespaces
3057 }
3058 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3059 {
3060   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3061   \normalfont
3062   \ignorespaces
3063 }
3064 \DeclareDocumentCommand \setnavarsfont { 0{} m 0{} }
3065 {
3066   \fontspec_set_family:Nnn \navarsfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}

```




```

3067 \normalfont
3068 \ignorespaces
3069 }
3070 \DeclareDocumentCommand \setpookfont { O{} m O{} }
3071 {
3072 \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}
3073 \normalfont
3074 \ignorespaces
3075 }
3076 \DeclareDocumentCommand \setsayehfont { O{} m O{} }
3077 {
3078 \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}
3079 \normalfont
3080 \ignorespaces
3081 }
3082 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
3083 {
3084 \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}
3085 \normalfont
3086 \ignorespaces
3087 }
3088 \ExplSyntaxOff
3089 \def\resetlatinfont{%
3090 \let\normalfont\latinfont%
3091 \let\reset@font\normalfont%
3092 \latinfont}
3093 \def\setpersianfont{%
3094 \let\normalfont\persianfont%
3095 \let\reset@font\normalfont%
3096 \persianfont}
3097 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3098 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3099 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3100 \def\endlatin{\endLTR}
3101 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3102 \def\endpersian{\endRTL}
3103 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3104 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\endpersian}
3105 \let\originaltoday=\today
3106 \def\latintoday{\lr{\originaltoday}}
3107 \def\today{\rl{\persiantoday}}
3108 \def \@LTRmarginparreset {%
3109 \reset@font
3110 \latinfont
3111 \normalsize
3112 \@minipagetrue
3113 \everypar{\@minipagefalse\everypar{}\beginL}%
3114 }
3115 \DeclareRobustCommand\Latincite{%
3116 \@ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]

```



```

3117 \def\@Latincitex[#1]#2{\leavevmode
3118   \let\@citea\@empty
3119   \@cite{\lr{\@for\@citeb:=#2\do
3120     {\@citea\def\@citea{\penalty\@m\ }%
3121       \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3122       \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3123       \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3124       \G@refundefinedtrue
3125       \@latex@warning
3126         {Citation `'\@citeb' on page \thepage \space undefined}}%
3127       {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}}{#1}}
3128 \def\@outputpage{%
3129   \begingroup           % the \endgroup is put in by \aftergroup
3130   \let \protect \noexpand
3131   \@resetactivechars
3132   \global\let\@if@newlist\if@newlist
3133   \global\@newlistfalse
3134   \@parboxrestore
3135   \shipout \vbox{%
3136     \set@typeset@protect
3137     \aftergroup \endgroup
3138     \aftergroup \set@typeset@protect
3139                                     % correct? or just restore by ending
3140                                     % the group?
3141   \if@specialpage
3142     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3143   \fi
3144   \if@twoside
3145     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3146     \let\@themargin\oddsidemargin
3147   \else \let\@thehead\@evenhead
3148     \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3149   \fi
3150   \ifx\@thehead\@empty \let\@thehead\hfil \fi
3151   \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3152   \else %% not @twoside
3153   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3154   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3155   \fi
3156   \reset@font
3157   \normalsize
3158   \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3159   \normalsfcodes
3160   \let\label\@gobble
3161   \let\index\@gobble
3162   \let\glossary\@gobble
3163   \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3164   \@beginndvi
3165   \vskip \topmargin
3166   \moveright\@themargin \vbox {%

```



```

3167 \setbox\@tempboxa \vbox to\headheight{%
3168 \vfil
3169 \color@hbox
3170 \normalcolor
3171 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3172 \color@endbox
3173 }% %% 22 Feb 87
3174 \dp\@tempboxa \z@
3175 \box\@tempboxa
3176 \vskip \headsep
3177 \box\@outputbox
3178 \baselineskip \footskip
3179 \color@hbox
3180 \normalcolor
3181 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3182 \color@endbox
3183 }%
3184 }%
3185 \global\let\if@newlist\@if@newlist
3186 \global \colht \textheight
3187 \stepcounter{page}%
3188 \let\firstmark\botmark
3189 }
3190 \newcommand\twocolumnstableofcontents{%
3191 \@ifpackageloaded{multicol}{%
3192 \begin{multicols}{2}[\section*{\contentsname}]{%
3193 \small
3194 \@starttoc{toc}%
3195 \end{multicols}}
3196 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei
3197 \def\XePersian{\leavevmode$\smash{\hbox{X}\lower.5ex
3198 \hbox{\kern-.125em\bidi@reflect\box{E}}Persian}}$}
3199 \def\figurename{\if@RTL else\ Figure\fi}
3200 \def\tablename{\if@RTL else\ Table\fi}
3201 \def\contentsname{\if@RTL else\ Contents\fi}
3202 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3203 \def\listtablename{\if@RTL else\ List of Tables\fi}
3204 \def\appendixname{\if@RTL else\ Appendix\fi}
3205 \def\indexname{\if@RTL else\ Index\fi}
3206 \def\refname{\if@RTL else\ References\fi}
3207 \def\abstractname{\if@RTL else\ Abstract\fi}
3208 \def\partname{\if@RTL else\ Part\fi}
3209 \def\datename{\if@RTL else\ Date:\fi}
3210 \def\@and{\if@RTL else\ and\fi}
3211 \def\bibname{\if@RTL else\ Bibliography\fi}
3212 \def\chaptername{\if@RTL else\ Chapter\fi}
3213 \def\ccname{\if@RTL else\ cc\fi}
3214 \def\enclname{\if@RTL else\ encl\fi}
3215 \def\pagename{\if@RTL else\ Page\fi}

```



```

3216 \def\headtoname{\if@RTL else\ To\fi}
3217 \def\proofname{\if@RTL else\ Proof\fi}
3218 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\
3219 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3220 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi\
3221 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3222 \let\harfinumeral\@harfi
3223 \newcommand{\adadi}[1]{%
3224 \expandafter\@adadi\csname c@#1\endcsname%
3225 }
3226 \newcommand{\@adadi}[1]{%
3227 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3228 }
3229 \let\adadinumeral\@adadi%
3230 \def\xepersian@numberoutofrange#1#2{%
3231 \PackageError{xepersian}{The number `#1' is too large %
3232 to be formatted using xepersian}{The largest possible %
3233 number is 999,999,999.}%
3234 }
3235 \def\xepersian@numberstring#1#2#3#4{%
3236 \ifnum\number#1<\@ne%
3237 #3%
3238 \else\ifnum\number#1<1000000000 %
3239 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3240 \else%
3241 \xepersian@numberoutofrange{#1}{#4}%
3242 \fi\fi%
3243 }
3244 \def\xepersian@adadi#1#2{%
3245 \expandafter\xepersian@@adadi%
3246 \ifcase%
3247 \ifnum#1<10 1%
3248 \else\ifnum#1<100 2%
3249 \else\ifnum#1<\@m 3%
3250 \else\ifnum#1<\@M 4%
3251 \else\ifnum#1<100000 5%
3252 \else\ifnum#1<1000000 6%
3253 \else\ifnum#1<10000000 7%
3254 \else\ifnum#1<100000000 8%
3255 \else9%
3256 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3257 \or00000000#1% case 1: Add 8 leading zeros
3258 \or0000000#1% case 2: Add 7 leading zeros
3259 \or000000#1% case 3: Add 6 leading zeros
3260 \or00000#1% case 4: Add 5 leading zeros
3261 \or0000#1% case 5: Add 4 leading zeros
3262 \or000#1% case 6: Add 3 leading zeros
3263 \or00#1% case 7: Add 2 leading zeros
3264 \or0#1% case 8: Add 1 leading zero
3265 \or#1% case 9: Add no leading zeros

```



```

3266 \or%
3267 \@nil#2%
3268 \fi%
3269 }
3270 \def\xepersian@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3271 \ifnum#1#2#3>\z@
3272 \xepersian@milyoongan#1#2#3%
3273 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3274 \fi%
3275 \ifnum#4#5#6>\z@%
3276 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3277 \ifnum#4#5#6>\@ne\fi%
3278 %
3279 \ifnum#7>\z@ \fi%
3280 \fi%
3281 \xepersian@sadgan#7{#4#5#6}1#9%
3282 }
3283 \def\xepersian@milyoongan#1#2#3{%
3284 \ifnum#1#2#3=\@ne%
3285 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3286 %
3287 %
3288 \else%
3289 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3290 %
3291 %
3292 \fi%
3293 }
3294 \def\xepersian@sadgan#1#2#3#4#5#6{%
3295 \ifnum#1>\z@%
3296 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3297 %
3298 \ifnum#2#3>\z@ \fi%
3299 \fi%
3300 \ifnum#2#3<20%
3301 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3302 \else%
3303 \xepersian@dahgan#2%
3304 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3305 #60%
3306 \fi%
3307 }
3308 \def\xepersian@yekani#1{%
3309 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3310 \or or\ or\ or\ or\ or\ %
3311 \or or\ or\ or\ %
3312 \or or\ %fi\
3313 }
3314 \def\xepersian@yekanii#1{%
3315 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\

```



```

3316 }
3317 \def\xepersian@yekanii#1{%
3318 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3319 }
3320 \def\xepersian@yekaniv#1{%
3321 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3322 \or or\ or\ %fi\
3323 }
3324 \def\xepersian@dahgan#1{%
3325 \ifcase#1\or\or or\ or\ %
3326 \or or\ or\ or\ %
3327 \or %fi\
3328 }
3329 \newcommand{\tartibi}[1]{%
3330 \expandafter\tartibi\csize c@#1\endcsize%
3331 }
3332 \newcommand{\@tartibi}[1]{%
3333 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3334 }
3335 \let\tartibinumeral\@tartibi%
3336 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3337 \ifnum\number#1<\@ne%
3338 #3%
3339 \else\ifnum\number#1<1000000000 %
3340 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3341 \else%
3342 \xepersian@numberoutofrange{#1}{#4}%
3343 \fi\fi%
3344 }
3345 \def\xepersian@adadi@tartibi#1#2{%
3346 \expandafter\xepersian@adadi@tartibi%
3347 \ifcase%
3348 \ifnum#1<10 1%
3349 \else\ifnum#1<100 2%
3350 \else\ifnum#1<\@m 3%
3351 \else\ifnum#1<\@M 4%
3352 \else\ifnum#1<100000 5%
3353 \else\ifnum#1<1000000 6%
3354 \else\ifnum#1<10000000 7%
3355 \else\ifnum#1<100000000 8%
3356 \else9%
3357 \fi\fi\fi\fi\fi\fi\fi\fi %
3358 \or00000000#1% case 1: Add 8 leading zeros
3359 \or0000000#1% case 2: Add 7 leading zeros
3360 \or000000#1% case 3: Add 6 leading zeros
3361 \or00000#1% case 4: Add 5 leading zeros
3362 \or0000#1% case 5: Add 4 leading zeros
3363 \or000#1% case 6: Add 3 leading zeros
3364 \or00#1% case 7: Add 2 leading zeros
3365 \or0#1% case 8: Add 1 leading zero

```



```

3366 \or#1%           case 9: Add no leading zeros
3367 \or%
3368 \@nil#2%
3369 \fi%
3370 }
3371 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3372 \ifnum#1#2#3>\z@
3373 \xepersian@milyoongan@tartibi#1#2#3%
3374 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3375 \fi%
3376 \ifnum#4#5#6>\z@%
3377 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3378 \ifnum#4#5#6>\@ne \fi%
3379 %
3380 \ifnum#7>\z@ \fi%
3381 \fi%
3382 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3383 }
3384 \def\xepersian@milyoongan@tartibi#1#2#3{%
3385 \ifnum#1#2#3=\@ne%
3386 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3387 %
3388 %
3389 \else%
3390 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3391 %
3392 %
3393 \fi%
3394 }
3395 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3396 \ifnum#1>\z@%
3397 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3398 %
3399 \ifnum#2#3>\z@ \fi%
3400 \fi%
3401 \ifnum#2#3<20%
3402 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3403 \else%
3404 \xepersian@dahgan#2%
3405 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3406 #60%
3407 \fi%
3408 }
3409 \def\xepersian@tartibi#1{%
3410 \ifcase#1 \or or\ or\ or\ %
3411 \or or\ or\ or\ or\ %
3412 \or or\ or\ or\ %
3413 \or or\ or\ %
3414 \or or\ or\ %fi\
3415 }

```



```

3416 \def\xepersian@yekanv#1{%
3417 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3418 \or or\ or\ or\ or\ or\ or\ %
3419 \or or\ or\ or\ %
3420 \or or\ %fi\
3421 }
3422 \providecommand*\xpg@warning}[1]{%
3423   \PackageWarning{XePersian}%
3424   {#1}}
3425 \if@bidi@csundef{abjadnumeral}{%
3426 \def\abjadnumeral#1{%
3427 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3428 \else
3429   \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3430   \else
3431     \ifnum#1<10\expandafter\abj@num@i\number#1%
3432     \else
3433       \ifnum#1<100\expandafter\abj@num@ii\number#1%
3434       \else
3435         \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3436         \else
3437           \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3438           \fi
3439         \fi
3440       \fi
3441     \fi
3442   \fi
3443 \fi
3444 }
3445 \def\abjad@zero{}
3446 \def\abj@num@i#1{%
3447   \ifcase#1\or or\ or\ or\ %
3448   \or or\ or\ or\ or\ fi\
3449   \ifnum#1=\z@\abjad@zero\fi}
3450 \def\abj@num@ii#1{%
3451   \ifcase#1\or or\ or\ or\ or\ %
3452   \or or\ or\ or\ fi\
3453   \ifnum#1=\z@\fi\abj@num@i}
3454 \def\abj@num@iii#1{%
3455   \ifcase#1\or or\ or\ or\ or\ %
3456   \or or\ or\ or\ fi\
3457   \ifnum#1=\z@\fi\abj@num@ii}
3458 \def\abj@num@iv#1{%
3459   \ifcase#1\or fi\
3460   \ifnum#1=\z@\fi\abj@num@iii}
3461 }{}
3462 \let\@latinalph\@alph%
3463 \let\@latinAlph\@Alph%
3464 \def\PersianAlphs{%
3465   \let\@alph\abjadnumeral%

```




```

3466 \let\@Alph\abjadnumeral%
3467 }
3468 \def\LatinAlphs{%
3469 \let\@alph\@latinalph%
3470 \let\@Alph\@latinAlph%
3471 }
3472 \PersianAlphs
3473 \bidi@AfterEndPreamble{%
3474 \if@bidi@csundef{persianfont}{%
3475 \PackageError{xepersian}{You have not specified any font\MessageBreak
3476 for the main Persian text}{Use '\settextfont' to load a font.}%
3477 }{}
3478 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3479 \@ifpackageloaded{fontspec-xetex}{\input{fontspec-xetex-xepersian.def}}{}
3480 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3481 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3482 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3483 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3484 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3485 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3486 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3487 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3488 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3489 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3490 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3491 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3492 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3493 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3494 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3495 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}
3496 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3497 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3498 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3499 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3500 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3501 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3502 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3503 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3504 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3505 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3506 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3507 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3508 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3509 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3510 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3511 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3512 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3513 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3514 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3515 \@ifclassloaded{book}{\input{book-xepersian.def}}{}

```



```

3516 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3517 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3518 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3519 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3520 \ifcase\xepersian@tempb\relax
3521   \AutoMathsDigits
3522 \or
3523   \DefaultMathsDigits
3524 \or
3525   \PersianMathsDigits
3526 \fi}
3527 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3528 \ifcase\xepersian@tempb\relax
3529   \@RTLtrue
3530 \or
3531   \@RTLfalse
3532 \fi}
3533 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3534 \ifcase\xepersian@tempb\relax
3535   \@RTLtrue
3536 \or
3537   \@RTLfalse
3538 \fi}
3539 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left}
3540 \ifcase\xepersian@tempb\relax
3541   \autofootnoterule
3542 \or
3543   \leftfootnoterule
3544 \or
3545   \rightfootnoterule
3546 \or
3547   \SplitFootnoteRule
3548 \or
3549   \textwidthfootnoterule
3550 \fi}
3551 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3552 \ifcase\xepersian@tempb\relax
3553   \@RTL@footnotetrue
3554 \or
3555   \@RTL@footnotefalse
3556 \fi}
3557 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
3558 \ifcase\xepersian@tempb\relax
3559   \footdir@debugtrue
3560 \or
3561   \footdir@debugfalse
3562 \fi}
3563 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3564 \ifcase\xepersian@tempb\relax
3565   \input{kashida-xepersian.def}

```



```

3566 \fi}
3567 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3568 \ifcase\xepersian@tempb\relax
3569 \input{localise-xepersian.def}
3570 \fi}
3571 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3572 \ifcase\xepersian@tempb\relax
3573 \@extrafootnotefeaturestrue
3574 \or
3575 \@extrafootnotefeaturesfalse
3576 \fi}
3577 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3578 \ifcase\xepersian@tempb\relax
3579 \PackageWarning{xepersian}{Obsolete option}%
3580 \ifwritexviii%
3581 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir}{%
3582 \renewcommand\printindex{\newpage%
3583 \immediate\closeout\@indexfile
3584 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3585 \@input@{\jobname.ind}}}%
3586 \else
3587 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex" to use this feature.}%
3588 \fi
3589 \fi}
3590 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3591 \ifcase\xepersian@tempb\relax
3592 \ifwritexviii%
3593 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir}{%
3594 \renewcommand\printindex{\newpage%
3595 \immediate\closeout\@indexfile
3596 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3597 \@input@{\jobname.ind}}}%
3598 \else
3599 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex" to use this feature.}%
3600 \fi
3601 \fi}
3602 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3603 \ifcase\xepersian@tempb\relax
3604 \ifwritexviii%
3605 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir}{%
3606 \renewcommand\printindex{\newpage%
3607 \immediate\closeout\@indexfile
3608 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3609 \@input@{\jobname.ind}}}%
3610 \else
3611 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex" to use this feature.}%
3612 \fi
3613 \fi}
3614 \DeclareOptionX{defaultlatinfontfeatures}{%
3615 \defaultfontfeatures

```



```

3616 [\latinfont]
3617   {#1}
3618 }
3619
3620 \ExecuteOptionsX{%
3621   RTLdocument=on,
3622   footnotedirection=righttoleft,
3623   footnoterule=automatic
3624 }
3625
3626 \ProcessOptionsX
3627
3628 \if@extrafootnotefeatures
3629   \input{extrafootnotefeatures-xetex-bidi.def}
3630   \input{extrafootnotefeatures-xepersian.def}
3631 \fi
3632
3633 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3634

```

7.55 xepersian-magazine.cls

```

3635 \NeedsTeXFormat{LaTeX2e}
3636 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3637 \RequirePackage{ifthen}
3638 \newlength{\xepersian@imgsize}
3639 \newlength{\xepersian@coltitsize}
3640 \newlength{\xepersian@pageneed}
3641 \newlength{\xepersian@pageleft}
3642 \newlength{\xepersian@indexwidth}
3643 \newcommand{\xepersian@ncolumns}{0}
3644 \newlength{\columnlines}
3645 \setlength{\columnlines}{0 pt} % no lines by default
3646 \newboolean{xepersian@hyphenatedtitles}
3647 \setboolean{xepersian@hyphenatedtitles}{true}
3648 \newboolean{xepersian@ninepoints}
3649 \setboolean{xepersian@ninepoints}{false}
3650 \newboolean{xepersian@showgrid}
3651 \setboolean{xepersian@showgrid}{false}
3652 \newboolean{xepersian@a3paper}
3653 \setboolean{xepersian@a3paper}{false}
3654 \newboolean{xepersian@insidefrontpage}
3655 \setboolean{xepersian@insidefrontpage}{false}
3656 \newboolean{xepersian@insideweather}
3657 \setboolean{xepersian@insideweather}{false}
3658 \newboolean{xepersian@insideindex}
3659 \setboolean{xepersian@insideindex}{false}
3660 \newcount\xepersian@gridrows
3661 \newcount\xepersian@gridcolumns
3662 \xepersian@gridrows=40

```



```

3663 \xepersian@gridcolumns=50
3664 \newcount\minraggedcols
3665 \minraggedcols=5
3666 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3667 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3668 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3669 \DeclareOption{twocolumn}%
3670 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3671 \DeclareOption{notitlepage}%
3672 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3673 \DeclareOption{twoside}%
3674 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3675 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3676 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3677 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3678 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3679 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3680 \ProcessOptions\relax
3681 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3682 \RequirePackage{ifxetex}
3683 \RequirePackage{multido}
3684 \RequirePackage{datetime}
3685 \RequirePackage{multicol}
3686 \RequirePackage{fancyhdr}
3687 \RequirePackage{fancybox}
3688 \ifthenelse{\boolean{xepersian@a3paper}}{%
3689 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3690 }{
3691 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3692 }
3693 \RequirePackage[absolute]{textpos} % absolute positioning
3694 \RequirePackage{hyphenat} % when hyphenate
3695 \RequirePackage{lastpage} % to know the last page number
3696 \RequirePackage{setspace} % set space between lines
3697 \RequirePackage{ragged2e}
3698 \newcommand{\raggedFormat}{\RaggedLeft}
3699 \AtEndOfClass{\xepersianInit}
3700 \ifthenelse{\boolean{xepersian@showgrid}}{%
3701 \AtBeginDocument{
3702 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3703 \advance\minraggedcols by -1
3704 }{%
3705 \AtBeginDocument{
3706 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3707 \advance\minraggedcols by -1
3708 }
3709 \ifthenelse{\boolean{xepersian@ninepoints}}{
3710 \renewcommand{\normalsize}{%
3711 \setfontsize{\normalsize}{9pt}{10pt}%
3712 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%

```



```

3713 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3714 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3715 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3716
3717 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3718
3719 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3720
3721 \renewcommand{\small}{\%
3722   \@setfontsize{\small}{8pt}{9pt}%
3723   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3724   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3725   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3726   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3727
3728 \renewcommand{\footnotesize}{\%
3729   \@setfontsize{\footnotesize}{8pt}{9pt}%
3730   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3731   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3732   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3733   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3734
3735 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3736 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3737 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3738 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3739 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3740 }{}
3741 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3742 \newcommand{\xepersian@wwwFormat}{\sffamily}
3743 \newcommand{\xepersian@www}{\%
3744 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3745 }
3746 \newcommand{\xepersian@edition}{\{
3747 \newcommand{\editionFormat}{\large\bfseries\texttt}
3748 \newcommand{\xepersian@editionLogo}{\%
3749 \raisebox{-3pt}{\%
3750 {\editionFormat\xepersian@edition}%
3751 }%
3752 }
3753 \newcommand{\indexFormat}{\large\bfseries}
3754 \newcommand{\xepersian@indexFrameTitle}[1]
3755 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3756
3757 \newcommand{\indexEntryFormat}{\normalsize}
3758 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3759 {\indexEntryFormat\noindent\ignorespaces{#1}}}%
3760 \end{minipage}}
3761 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3762 \newcommand{\indexEntryPageTxt}{ }

```



```

3763 \newcommand{\indexEntryPageFormat}{\footnotesize}
3764 \newcommand{\xepersian@indexEntryPage}[1]{%
3765 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3766 }
3767 \newcommand{\headDateTimeFormat}{%
3768 \newcommand{\xepersian@headDateTime}{%
3769 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3770 \currenttime %
3771 }
3772 \newcommand{\weatherFormat}{\bfseries}
3773 \newcommand{\xepersian@weather}[1]{%
3774 \noindent{\weatherFormat #1}%
3775 }
3776 \newcommand{\weatherTempFormat}{\small}
3777 \newcommand{\weatherUnits}{\textdegree{C}}
3778 \newcommand{\xepersian@section}[0]{ {
3779 \newcommand{\xepersian@headleft}{%
3780 {\small\bfseries \@custommagaziname} \date
3781 }
3782 \newcommand{\xepersian@headcenter}{%
3783 \xepersian@section{
3784 }
3785 \newcommand{\xepersian@headright}{%
3786 \small\xepersian@edition%
3787 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3788 }
3789
3790 \newcommand{\heading}[3]{%
3791 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3792 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3793 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3794 }
3795 \newcommand{\xepersian@footright}{%
3796 {\footnotesize\lr{\copyright \@customwwwTxt{}}-- - \lr{\XePersian}}%
3797 }
3798 \newcommand{\xepersian@footcenter}{%
3799 }
3800 \newcommand{\xepersian@footleft}{%
3801 }
3802
3803 \newcommand{\foot}[3]{%
3804 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3805 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3806 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3807 }
3808 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3809 \newcommand{\xepersian@firstTitle}[1]{%
3810 {%
3811 \begin{spacing}{2.0}{%
3812 \noindent\ignorespaces

```



```

3813 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3814 {\nohyphens{\firstTitleFormat #1}}%
3815 {\firstTitleFormat #1}}%
3816 }%
3817 \end{spacing}%
3818 }%
3819 }
3820 \newcommand{\firstTextFormat}{}
3821 \newcommand{\xepersian@firstText}[1]{%
3822 {\noindent\ignorespaces\firstTextFormat #1}}%
3823 }
3824 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3825 \newcommand{\xepersian@secondTitle}[1]{%
3826 \begin{spacing}{1.5}{%
3827 \noindent\ignorespaces\flushright
3828 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3829 {\nohyphens{\secondTitleFormat #1}}%
3830 {\secondTitleFormat #1}}%
3831 }\end{spacing}%
3832 }
3833 \newcommand{\secondSubtitleFormat}{\large}
3834 \newcommand{\xepersian@secondSubtitle}[1]{%
3835 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3836 }
3837 \newcommand{\secondTextFormat}{}
3838 \newcommand{\xepersian@secondText}[1]{%
3839 \begin{multicols}{2}
3840 {\noindent\ignorespaces\secondTextFormat #1}
3841 \end{multicols}
3842 }
3843 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3844 \newcommand{\xepersian@thirdTitle}[1]{%
3845 \begin{spacing}{1.5}{%
3846 \noindent\ignorespaces\flushright
3847 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3848 {\nohyphens{\thirdTitleFormat #1}}%
3849 {\thirdTitleFormat #1}}%
3850 }\end{spacing}%
3851 }
3852 \newcommand{\thirdSubtitleFormat}{\large}
3853 \newcommand{\xepersian@thirdSubtitle}[1]{%
3854 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3855 \newcommand{\thirdTextFormat}{}
3856 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3857 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3858 \newcommand{\xepersian@pictureCaption}[1]{%
3859 {\noindent\pictureCaptionFormat #1}}%
3860 }
3861 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3862 \newcommand{\xepersian@pages}[1]{%

```




```

3863 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3864 \newcommand{\innerTitleFormat}{\Huge}
3865 \newcommand{\xepersian@innerTitle}[1]{%
3866 \begin{flushright}{%
3867 \noindent
3868 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3869 {\nohyphens{\innerTitleFormat #1}}%
3870 {\innerTitleFormat #1}}%
3871 }%
3872 \\\%
3873 \end{flushright}}%
3874 }
3875 \newcommand{\innerSubtitleFormat}{\large}
3876 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
3877 \newcommand{\timestampTxt}{%
3878 \newcommand{\timestampSeparator}{|}
3879 \newcommand{\timestampFormat}{\small}
3880 \newcommand{\timestamp}[1]{%
3881 {\timestampFormat%
3882 #1~\timestampTxt}%
3883 }~\timestampSeparator}%
3884 }
3885 \newcommand{\innerAuthorFormat}{\footnotesize}
3886 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3887 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3888 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3889 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3890 \newcommand{\editorialAuthorFormat}{\textsc}
3891 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3892 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
3893 \newcommand{\shortarticleSubtitleFormat}{\Large}
3894 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
3895 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3896 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
3897 \renewcommand{\maketitle}{\begin{titlepage}%
3898 \let\footnotesize\small
3899 \let\footnoterule\relax
3900 \let\footnote\thanks
3901 \null\vfil
3902 \vskip 60\p@
3903 \begin{center}%
3904 {\LARGE \@title \par}%
3905 \vskip 1em%
3906 {\LARGE «\xepersian@edition» \par}%
3907 \vskip 3em%
3908 {\large
3909 \lineskip .75em%
3910 \begin{tabular}[t]{c}%
3911 \@author
3912 \end{tabular}\par}%

```



```

3913     \vskip 1.5em%
3914     {\large \@date \par}%
3915 \end{center}\par
3916 \@thanks
3917 \fil\null
3918 \end{titlepage}%
3919 \setcounter{footnote}{0}%
3920 \global\let\thanks\relax
3921 \global\let\maketitle\relax
3922 \global\let\@thanks\@empty
3923 \global\let\@author\@empty
3924 \global\let\@date\@empty
3925 \global\let\@title\@empty
3926 \global\let\title\relax
3927 \global\let\author\relax
3928 \global\let\date\relax
3929 \global\let\and\relax
3930 }
3931 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3932 \newsavebox{\xepersian@fmbox}
3933 \newenvironment{xepersian@fmpage}[1]
3934 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3935 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3936 \newcommand{\image}[2]{
3937 \vspace{5pt}
3938 \setlength{\fboxsep}{1pt}
3939 \addtolength{\xepersian@imgsize}{\columnwidth}
3940 \addtolength{\xepersian@imgsize}{-1\columnsep}
3941 \ifxetex
3942 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3943 \addtolength{\xepersian@pageneed}{50pt}
3944 \ClassWarning{xepersian-magazine}{%
3945 Image #1 needs: \the\xepersian@pageneed \space %
3946 and there is left: \the\page@free\space%
3947 }
3948 \ifdim \xepersian@pageneed < \page@free
3949
3950 {\centering\fbox{%
3951 \includegraphics[width = \xepersian@imgsize,
3952 height = \xepersian@imgsize,
3953 keepaspectratio ]{#1}}}
3954 \xepersian@pictureCaption{#2}
3955
3956 \vspace{5pt}
3957 \else
3958 \ClassWarning{Image #1 needs more space!%
3959 It was not inserted!}
3960 \fi
3961 \fi
3962 }

```



```

3963 \textblockorigin{1cm}{1cm}
3964 \newdimen\xepersian@dx
3965 \newdimen\xepersian@dy
3966 \newcount\xepersian@cx
3967 \newcount\xepersian@cy
3968 \newcommand{\grid}[3][]{
3969 \xepersian@dx=\textwidth%
3970 \xepersian@dy=\textheight%
3971 \xepersian@cx=#3% %columns
3972 \xepersian@cy=#2% %rows
3973
3974 \count1=#3%
3975 \advance\count1 by 1
3976
3977 \count2=#2%
3978 \advance\count2 by 1
3979
3980 \divide\xepersian@dx by #3
3981 \divide\xepersian@dy by #2
3982
3983 \setlength{\TPHorizModule}{\xepersian@dx}
3984 \setlength{\TPVertModule}{\xepersian@dy}
3985
3986 \ifthenelse{\equal{#1}{show}}{
3987 \multido{\xepersian@nrow=0+1}{\count2}{
3988 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3989 \rule[0pt]{\textwidth}{.1pt}
3990 \end{textblock}
3991 }
3992
3993 \multido{\xepersian@ncol=0+1}{\count1}{
3994 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3995 \rule[0pt]{.1pt}{\textheight}
3996 \end{textblock}
3997 }
3998 }{}
3999 }
4000 \newcommand{\xepersianInit}{
4001 \setlength{\headheight}{14pt}
4002 \renewcommand{\headrulewidth}{0.4pt}
4003
4004 \pagestyle{fancy}
4005
4006 \setlength{\columnseprule}{\columnlines}
4007 \setlength{\fboxrule}{0.1 pt}
4008
4009 }
4010
4011 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4012 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}

```



```

4013 \def\custommagazinenam#1{\gdef\@custommagazinenam{\beginR#1\endR}}
4014 \newcommand{\logo}[0]{
4015 %% Heading %%
4016 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4017
4018 \vspace*{-3pt}
4019
4020 {\Large\bfseries \@customlogo}
4021 \hrulefill
4022 \hspace{10pt}\xepersian@headDateTime
4023
4024 }
4025 \newcommand{\minilogo}[0]{
4026 {\large\bfseries \@customminilogo}
4027
4028 \vspace*{5pt}
4029 }
4030 \newcommand{\mylogo}[1]{
4031 {\beginR#1\endR}
4032
4033 \noindent
4034 \xepersian@editionLogo\hspace{5pt}
4035 \hrulefill
4036 \hspace{5pt}\xepersian@headDateTime
4037 }
4038 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4039 \newenvironment{frontpage}[0]
4040 {
4041 \setboolean{xepersian@insidefrontpage}{true}
4042 \thispagestyle{empty}
4043 \logo
4044
4045 }%
4046 {
4047 \thispagestyle{empty}
4048 \clearpage
4049 \newpage
4050 \fancyhead{}
4051 \fancyfoot{}
4052 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4053 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4054 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4055 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4056 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4057 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4058 \renewcommand{\headrulewidth}{0.4pt}
4059 \setboolean{xepersian@insidefrontpage}{false}
4060
4061 }
4062 \newcommand{\firstarticle}[3]

```



```

4063 {
4064 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4065 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4066 \begin{textblock}{24}(22,5)
4067 }
4068 {
4069 \begin{textblock}{28}(22,5)
4070 }
4071 \vspace{-7pt}
4072 \xepersian@firstTitle{#1}
4073 \end{textblock}
4074 \begin{textblock}{29}(22,10)
4075 \vspace{5pt plus 2pt minus 2pt}
4076
4077 \xepersian@firstText{\timestamp{#3}~#2}
4078
4079 \end{textblock}
4080
4081 \begin{textblock}{50}(0,15)
4082 \rule{50\TPHorizModule}{.3pt}
4083 \end{textblock}
4084 }{%else
4085 \ClassError{xepersian-magazine}{%
4086 \protect\firstarticle\space in a wrong place.\MessageBreak
4087 \protect\firstarticle\space may only appear inside frontpage environment.
4088 }{%
4089 \protect\firstarticle\space may only appear inside frontpage environment.
4090 }%
4091 }
4092 }
4093 \newcommand{\secondarticle}[5]
4094 {
4095 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4096 \begin{textblock}{33}(2,16)
4097 \xepersian@pages{#4}
4098 \vspace{-5pt}
4099 \xepersian@secondTitle{#1}
4100
4101 \vspace*{5pt}
4102
4103 \xepersian@secondSubtitle{#2}
4104
4105 \vspace*{-7pt}
4106
4107 \xepersian@secondText{\timestamp{#5}~#3}
4108
4109 \end{textblock}
4110
4111 \begin{textblock}{33}(2,25)
4112 \vspace{5pt plus 2pt minus 2pt}

```



```

4113
4114 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4115 \end{textblock}
4116 }{%else
4117 \ClassError{xepersian-magazine}{%
4118 \protect\secondarticle\space in a wrong place.\MessageBreak
4119 \protect\secondarticle\space may only appear inside frontpage environment.
4120 }{%
4121 \protect\secondarticle\space may only appear inside frontpage environment.
4122 }%
4123 }
4124 }
4125 \newcommand{\thirdarticle}[6]
4126 {
4127 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4128 \begin{textblock}{32}(2,26)
4129 \xepersian@pages{#5}
4130 \vspace{-5pt}
4131 \setlength{\fboxsep}{1pt}
4132 \xepersian@thirdTitle{#1}
4133
4134 \vspace*{5pt}
4135
4136 \xepersian@thirdSubtitle{#2}
4137
4138 \vspace*{5pt}
4139
4140 {\noindent\ignorespaces %
4141 \ifthenelse{\equal{#4}{}}{}}
4142
4143 \xepersian@thirdText{\timestamp{#6}~#3}
4144
4145 }
4146
4147 \vspace*{5pt}
4148
4149 \end{textblock}
4150 }{%else
4151 \ClassError{xepersian-magazine}{%
4152 \protect\thirdarticle\space in a wrong place.\MessageBreak
4153 \protect\thirdarticle\space may only appear inside frontpage environment.
4154 }{%
4155 \protect\thirdarticle\space may only appear inside frontpage environment.
4156 }%
4157 }
4158 }
4159 \newcommand{\firstimage}[2]
4160 {
4161 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4162 \begin{textblock}{18}(2,5)

```



```

4163 \setlength{\fboxsep}{1pt}
4164 \ifxetex % only in PDF
4165 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4166 \fi
4167
4168 \xepersian@pictureCaption{#2}
4169 \end{textblock}%
4170 }
4171 {\ClassError{xepersian-magazine}{%
4172 \protect\firstimage\space in a wrong place.\MessageBreak
4173 \protect\firstimage\space may only appear inside frontpage environment.
4174 }{%
4175 \protect\firstimage\space may only appear inside frontpage environment.
4176 }}
4177 }%
4178 \newcommand{\weatheritem}[5]{%
4179 \ifthenelse{\boolean{xepersian@insideweather}}{%
4180 \begin{minipage}{45pt}
4181 \ifxetex
4182 \includegraphics[width=40pt]{#1}
4183 \fi
4184 \end{minipage}
4185 \begin{minipage}{50pt}
4186 \weatherTempFormat
4187 #2\\
4188 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4189 #5
4190 \end{minipage}
4191 }{%else
4192 \ClassError{xepersian-magazine}{%
4193 \protect\weatheritem\space in a wrong place.\MessageBreak
4194 \protect\weatheritem\space may only appear inside weatherblock environment.
4195 }{%
4196 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4197 weatherblock environment may only appear inside frontpage environment.
4198 }%
4199 }
4200 }
4201 \newenvironment{weatherblock}[1]
4202 {
4203 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4204 \setboolean{xepersian@insideweather}{true}
4205 \begin{textblock}{32}(2,38)
4206 \vspace*{-15pt}
4207
4208 \xepersian@weather{\beginR#1\endR}
4209
4210 \vspace*{5pt}
4211
4212 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}

```



```

4213 \begin{minipage}{32\TPHorizModule}
4214 \hspace{5pt}
4215
4216 }{%
4217 \ClassError{xepersian-magazine}{%
4218 weatherblock in a wrong place.\MessageBreak
4219 weatherblock may only appear inside frontpage environment.
4220 }{%
4221 weatherblock may only appear inside frontpage environment.
4222 }
4223 }
4224 }%
4225 {
4226 \end{minipage}
4227 \end{xepersian@fmpage}
4228 \end{textblock}
4229 \setboolean{xepersian@insideweather}{false}
4230 }
4231 \newenvironment{authorblock}[0]
4232 {
4233 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4234 \begin{textblock}{15}(36,35)
4235 \setlength{\fboxsep}{5pt}
4236 \begin{xepersian@fmpage}{13\TPHorizModule}
4237 \begin{minipage}{13\TPHorizModule}
4238 \centering
4239 \minilogo
4240
4241 }{%else
4242 \ClassError{xepersian-magazine}{%
4243 authorblock in a wrong place.\MessageBreak
4244 authorblock may only appear inside frontpage environment.
4245 }{%
4246 authorblock may only appear inside frontpage environment.
4247 }
4248 }
4249 }
4250 {
4251 \end{minipage}
4252 \end{xepersian@fmpage}
4253 \end{textblock}
4254 }
4255 \newenvironment{indexblock}[1]
4256 {
4257 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4258 \setboolean{xepersian@insideindex}{true}%let's in
4259 \begin{textblock}{15}(36,16)
4260 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4261 \xepersian@indexFrameTitle{#1}
4262

```




```

4263 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4264 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4265 \begin{minipage}{\xepersian@indexwidth}
4266 \vspace*{10pt}
4267 }{%else
4268 \ClassError{xepersian-magazine}{%
4269 indexblock in a wrong place.\MessageBreak
4270 indexblock may only appear inside frontpage environment.
4271 }{%
4272 indexblock may only appear inside frontpage environment.
4273 }
4274 }
4275 }%
4276 {
4277 \end{minipage}
4278 \end{xepersian@fmpage}
4279 \end{textblock}
4280 \setboolean{xepersian@insideindex}{false}%let's out
4281 }
4282 \newcommand{\indexitem}[2]
4283 {
4284 \ifthenelse{\boolean{xepersian@insideindex}}{
4285 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4286
4287 \vspace{0.5cm}
4288
4289 \noindent\ignorespaces\indexEntrySeparator{
4290 }{%else
4291 \ClassError{xepersian-magazine}{%
4292 \protect\indexitem\space in a wrong place.\MessageBreak
4293 \protect\indexitem\space may only appear inside indexblock environment.
4294 }{%
4295 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4296 indexblock environment may only appear inside frontpage environment.
4297 }%
4298 }
4299 }
4300 \newcommand{\xepersian@inexpandedtitle}[1]{
4301 \begin{minipage}{.95\textwidth}
4302 \begin{center}
4303 \noindent\Large\textbf{\beginR#1\endR}
4304 \end{center}
4305 \end{minipage}
4306 }
4307 \newcommand{\expandedtitle}[2]{
4308 \end{multicols}
4309
4310 \begin{center}
4311 \setlength{\fboxsep}{5pt}
4312 \setlength{\shadowsize}{2pt}

```



```

4313 \ifthenelse{\equal{#1}{shadowbox}}{%
4314 \shadowbox{%
4315 \xepersian@inexpandedtitle{#2}%
4316 }%
4317 }{}
4318 \ifthenelse{\equal{#1}{doublebox}}{%
4319 \doublebox{%
4320 \xepersian@inexpandedtitle{#2}%
4321 }%
4322 }{}
4323 \ifthenelse{\equal{#1}{ovalbox}}{%
4324 \ovalbox{%
4325 \xepersian@inexpandedtitle{#2}%
4326 }%
4327 }{}
4328 \ifthenelse{\equal{#1}{Ovalbox}}{%
4329 \Ovalbox{%
4330 \xepersian@inexpandedtitle{#2}%
4331 }%
4332 }{}
4333 \ifthenelse{\equal{#1}{lines}}{
4334 \hrule
4335 \vspace*{8pt}
4336 \begin{center}
4337 \noindent\Large\textbf{#2}
4338 \end{center}
4339 \vspace*{8pt}
4340 \hrule
4341 }{}
4342 \end{center}
4343
4344 \begin{multicols}{\xepersian@ncolumns}
4345 \ifnum \xepersian@ncolumns > \minraggedcols
4346 \raggedFormat
4347 \fi
4348 }
4349 \newcommand{\xepersian@incolumntitle}[2]{
4350 \begin{minipage}{#1}
4351 \begin{center}
4352 \noindent\normalsize\textbf{#2}
4353 \end{center}
4354 \end{minipage}
4355 }
4356
4357 \newcommand{\columntitle}[2]{
4358 \vspace*{5pt}
4359 \begin{center}
4360 \setlength{\fboxsep}{5pt}
4361 \setlength{\shadowsize}{2pt}
4362 \addtolength{\xepersian@coltitsize}{\columnwidth}

```



```

4363 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4364 \addtolength{\xepersian@coltitsize}{-5pt}
4365 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4366 \ifthenelse{\equal{#1}{shadowbox}}{%
4367 \shadowbox{%
4368 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4369 }%
4370 }{}
4371 \ifthenelse{\equal{#1}{doublebox}}{%
4372 \doublebox{%
4373 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4374 }%
4375 }{}
4376 \ifthenelse{\equal{#1}{ovalbox}}{%
4377 \ovalbox{%
4378 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4379 }%
4380 }{}
4381 \ifthenelse{\equal{#1}{ovalbox}}{%
4382 \Ovalbox{%
4383 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4384 }%
4385 }{}
4386 \ifthenelse{\equal{#1}{lines}}{
4387 \hrule
4388 \vspace*{5pt}
4389 \begin{center}
4390 \noindent\normalsize\textbf{#2}
4391 \end{center}
4392 \vspace*{5pt}
4393 \hrule
4394 }{}
4395 \end{center}
4396 }
4397 \renewcommand{\date}{%
4398 \longdate{\today}%
4399 }
4400 \newcommand{\authorandplace}[2]{%
4401 \rightline{%
4402 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
4403 }%
4404 \par %
4405 }
4406 \newcommand{\newsection}[1]{
4407 \renewcommand{\xepersian@section}{#1}
4408 }
4409 \newenvironment{article}[5]
4410 {
4411 \xepersian@say{Adding a new piece of article}
4412 \renewcommand{\xepersian@ncolumns}{#1}

```



```

4413 \begin{multicols}{#1}[
4414 \xepersian@pages{#4}
4415 \xepersian@innerTitle{#2}%
4416 \xepersian@innerSubtitle{#3}%
4417 ] [4cm]%
4418 \label{#5}
4419 \ifnum #1 > \minraggedcols
4420 \raggedFormat
4421 \fi
4422 }
4423 {\~\innerTextFinalMark{}}
4424 \end{multicols}
4425 }
4426 \newcommand{\articlesep}{%
4427 \setlength{\xepersian@pageneed}{16000pt}
4428 \setlength\xepersian@pageleft{\pagegoal}
4429 \addtolength\xepersian@pageleft{-\pagetotal}
4430
4431 \xepersian@say{How much left \the\xepersian@pageleft}
4432
4433 \ifdim \xepersian@pageneed < \xepersian@pageleft
4434 \xepersian@say{Not enough space}
4435 \else
4436 \xepersian@say{Adding sep line between articles}
4437 \vspace*{10pt plus 10pt minus 5pt}
4438 \hrule
4439 \vspace*{10pt plus 5pt minus 5pt}
4440 \fi
4441
4442 }
4443 \newcommand{\xepersian@editorialTit}[2]{
4444 \setlength{\arrayrulewidth}{.1pt}
4445 \begin{center}
4446 \begin{tabular}{c}
4447 \noindent
4448 \xepersian@editorialTitle{#1}
4449 \vspace{2pt plus 1pt minus 1pt}
4450 \\
4451 \hline
4452 \vspace{2pt plus 1pt minus 1pt}
4453 \\
4454 \editorialAuthorFormat{#2}
4455 \end{tabular}
4456 \end{center}
4457 }
4458 \newenvironment{editorial}[4]
4459 {
4460 \xepersian@say{Adding a new editorial}
4461 \begin{multicols}{#1}[%
4462 \xepersian@editorialTit{#2}{#3}%

```



```

4463 ] [4cm]
4464 \label{#4}
4465 \ifnum #1 > \minraggedcols
4466 \raggedFormat
4467 \fi
4468 }
4469 {
4470 \end{multicols}
4471 }
4472 \newcommand{\xepersian@shortarticleTit}[2]{
4473 \begin{center}
4474 \vbox{%
4475 \noindent
4476 \xepersian@shortarticleTitle{#1}
4477 \vspace{4pt plus 2pt minus 2pt}
4478 \hrule
4479 \vspace{4pt plus 2pt minus 2pt}
4480 \xepersian@shortarticleSubtitle{#2}
4481 }
4482 \end{center}
4483 }
4484 \newenvironment{shortarticle}[4]
4485 {
4486 \xepersian@say{Adding a short article block}
4487 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4488 \label{#4}
4489 \par %
4490 \ifnum #1 > \minraggedcols
4491 \raggedFormat
4492 \fi
4493 }
4494 {
4495 \end{multicols}
4496 }
4497 \newcommand{\shortarticleitem}[2]{
4498 \goodbreak
4499 \vspace{5pt plus 3pt minus 3pt}
4500 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4501 \vspace{5pt plus 3pt minus 3pt}
4502 {\noindent #2}\\
4503 }

```

7.56 xepersian-mathsdigitspec.sty

```

4504 \NeedsTeXFormat{LaTeX2e}
4505 \ProvidesPackage{xepersian-mathsdigitspec}
4506 [2014/11/04 v1.0.9 Unicode Persian maths digits in XeLaTeX]
4507 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4508 \let\newfam\new@mathgroup
4509 \def\select@group#1#2#3#4{%

```



```

4510 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4511 {%
4512 \ifmmode
4513 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4514 \begingroup
4515 \escapechar\m@ne
4516 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4517 \globaldefs\@ne \math@fonts
4518 \endgroup
4519 \init@restore@version
4520 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4521 {\number\csname c@mv@\math@version\endcsname}}}%
4522 \global\advance\csname c@mv@\math@version\endcsname\@ne
4523 \else
4524 \let#1\relax
4525 \@latex@error{Too many math alphabets used in
4526 version \math@version}%
4527 \@eha
4528 \fi
4529 \else \expandafter\non@alpherr\fi
4530 #1{#4}%
4531 }%
4532 }
4533 \def\document@select@group#1#2#3#4{%
4534 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4535 {%
4536 \ifmmode
4537 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4538 \begingroup
4539 \escapechar\m@ne
4540 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4541 \globaldefs\@ne \math@fonts
4542 \endgroup
4543 \expandafter\extract@alph@from@version
4544 \csname mv@\math@version\expandafter\endcsname
4545 \expandafter{\number\csname
4546 c@mv@\math@version\endcsname}%
4547 #1%
4548 \global\advance\csname c@mv@\math@version\endcsname\@ne
4549 \else
4550 \let#1\relax
4551 \@latex@error{Too many math alphabets used
4552 in version \math@version}%
4553 \@eha
4554 \fi
4555 \else \expandafter\non@alpherr\fi
4556 #1{#4}%
4557 }%
4558 }
4559 \ExplSyntaxOn

```



```

4560 \bool_set_false:N \g_fontspect_math_bool
4561 \ExplSyntaxOff
4562 \def\@preamblecmds{}
4563 \newcommand\xepersian@not@onlypreamble[1]{%
4564   \def\do##1{\ifx##1\else\noexpand\do\noexpand##1\fi}%
4565   \xdef\@preamblecmds{\@preamblecmds}}
4566 \xepersian@not@onlypreamble\@preamblecmds
4567 \def\xepersian@notprerr{ can be used only in preamble (\on@line)}
4568 \AtBeginDocument{%
4569   \def\do#1{\noexpand\do\noexpand#1}%
4570   \edef\@preamblecmds{%
4571     \def\noexpand\do##1{%
4572       \def##1{\noexpand\xepersian@NotprerrMessage##1\noexpand\@eha}}%
4573     \@preamblecmds}
4574 \def\xepersian@NotprerrMessage#1{%
4575   \PackageError{xepersian}%
4576   {\noexpand\string#1 \noexpand\xepersian@notprerr}{}%
4577 }
4578 \@ifpackageloaded{natbib}{%
4579 \renewcommand\nocite[1]{\@bsphack
4580   \@for\@citeb:=#1\do{%
4581     \@safe@activestru
4582     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
4583     \@safe@activestru
4584     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
4585     \if*\@citeb\else
4586     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
4587       \NAT@citeundefined \PackageWarning{natbib}%
4588       {Citation '\@citeb' undefined}}{\fi}%
4589     \@esphack}%
4590 }{%
4591 \def\nocite#1{%
4592   \@bsphack{\setbox0=\hbox{\cite{#1}}}\@esphack}%
4593 }
4594 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4595 \newcommand\SetMathCode[4]{%
4596   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4597 \newcommand\SetMathCharDef[4]{%
4598   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4599 \ExplSyntaxOn
4600 \cs_new_eq:NN \orig_mathbf:n \mathbf
4601 \cs_new_eq:NN \orig_mathit:n \mathit
4602 \cs_new_eq:NN \orig_mathrm:n \mathrm
4603 \cs_new_eq:NN \orig_mathsf:n \mathsf
4604 \cs_new_eq:NN \orig_mathtt:n \mathtt
4605 \NewDocumentCommand \new@mathbf { m } {
4606   \orig_mathbf:n {
4607     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4608       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4609     }

```



```

4610   #1
4611 }
4612 }
4613 \NewDocumentCommand \new@mathit { m } {
4614   \orig_mathit:n {
4615     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4616       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4617     }
4618     #1
4619   }
4620 }
4621 \NewDocumentCommand \new@mathrm { m } {
4622   \orig_mathrm:n {
4623     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4624       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4625     }
4626     #1
4627   }
4628 }
4629 \NewDocumentCommand \new@mathsf { m } {
4630   \orig_mathsf:n {
4631     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4632       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4633     }
4634     #1
4635   }
4636 }
4637 \NewDocumentCommand \new@mathtt { m } {
4638   \orig_mathtt:n {
4639     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4640       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4641     }
4642     #1
4643   }
4644 }
4645 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }{%
4646   \let\glb@currsize\relax
4647   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1,#3}{#2}
4648   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4649   \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4650   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4651   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4652   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4653   \def\xpersianmathsdigits{%
4654     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4655     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4656     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4657     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4658     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4659     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}

```




```

4660 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4661 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4662 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4663 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4664 \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }

4665 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4666 \cs_set_eq:NN \mathbf \new@mathbf
4667 \cs_set_eq:NN \mathit \new@mathit
4668 \cs_set_eq:NN \mathrm \new@mathrm}
4669 }

4670 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4671 {
4672 \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1,#3}{#2}
4673 \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4674 \def\persianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4675 }

4676 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4677 {
4678 \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1,#3}{#2}
4679 \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4680 \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4681 }

4682 \ExplSyntaxOff
4683 \ifx\newcommand\undefined\else
4684 \newcommand{\ZifferAn}{}
4685 \fi
4686 \mathchardef\ziffer@DotOri="013A
4687 {\ZifferAn
4688 \catcode\.\=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4689 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4690 \def\ziffer@check#1#2{%
4691 \ifx\n1\endgroup#1\else
4692 \ifx\n2\endgroup#1\else
4693 \ifx\n3\endgroup#1\else
4694 \ifx\n4\endgroup#1\else
4695 \ifx\n5\endgroup#1\else
4696 \ifx\n6\endgroup#1\else
4697 \ifx\n7\endgroup#1\else
4698 \ifx\n8\endgroup#1\else
4699 \ifx\n9\endgroup#1\else
4700 \ifx\n0\endgroup#1\else
4701 \ifx\n\overline\endgroup#1\else
4702 \endgroup#2%
4703 \fi
4704 \fi
4705 \fi
4706 \fi
4707 \fi
4708 \fi

```



```

4709         \fi
4710     \fi
4711     \fi
4712 \fi
4713 \fi}
4714 \mathcode`.="8000\relax
4715 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4716 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4717 \def\PersianMathsDigits{\def\SetMathsDigits{%
4718 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4719 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4720 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4721 \def\AutoMathsDigits{\def\SetMathsDigits{%
4722 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4723 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4724 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
4725 \AutoMathsDigits
4726 \everymath\expandafter{\the\everymath\SetMathsDigits}
4727 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.57 xepersian-multiplechoice.sty

```

4728 \NeedsTeXFormat{LaTeX2e}
4729 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4730         Multiple Choice Questionnaire class for Persian in XeLaTeX]
4731 \RequirePackage{pifont}
4732 \RequirePackage{fullpage}
4733 \RequirePackage{ifthen}
4734 \RequirePackage{calc}
4735 \RequirePackage{verbatim}
4736 \RequirePackage{tabularx}
4737 \def\@headerfont{\bfseries}
4738 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4739 \def\@X{X}
4740 \newcommand\X[1]{\gdef\@X{#1}}
4741 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4742 \newcolumnntype{D}{>{\pbs\centering}X}
4743 \newcolumnntype{Q}{>{\@headerfont}X}
4744
4745 \renewcommand\tabularxcolumn[1]{m{#1}}
4746 \newcommand\makeform@nocorrection{%
4747     \addtocontents{frm}{\protect\end{tabularx}}
4748     \@starttoc{frm}}
4749 \newcommand\makeform@correction{%
4750     \addtocontents{frm}{\protect\end{tabularx}}}
4751 \newcommand\makemask@nocorrection{%
4752     \addtocontents{msk}{\protect\end{tabularx}}
4753     \@starttoc{msk}}
4754 \newcommand\makemask@correction{%
4755     \addtocontents{msk}{\protect\end{tabularx}}}

```



```

4756 \newlength\questionspace
4757 \setlength\questionspace{0pt}
4758 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4759 \def\@answerstitlefont{\bfseries}
4760 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4761 \def\@answernumberfont{\bfseries}
4762 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4763 \newcounter{question}\stepcounter{question}
4764 \newcounter{@choice}
4765 \def\@initorcheck{%
4766   \xdef\@choices{\the@choice}%
4767   \setcounter{@choice}{1}%
4768   \gdef\@arraydesc{|Q|}%
4769   \gdef\@headerline{%
4770     \whiledo{\not{\value{@choice}>\@choices}}{
4771       \xdef\@arraydesc{\@arraydesc D|}
4772       \def\@appendheader{\g@addto@macro\@headerline}
4773       \@appendheader{\protect\@headerfont}
4774       \edef\@the@choice{{\alph{@choice}}}
4775       \expandafter\@appendheader\@the@choice
4776       \stepcounter{@choice}}%
4777   \addtocontents{frm}{%
4778     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4779     \protect\hline
4780     \@headerline\protect\\\protect\hline\protect\hline}%
4781   \addtocontents{msk}{%
4782     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4783     \protect\hline
4784     \@headerline\protect\\\protect\hline\protect\hline}%
4785   \gdef\@initorcheck{%
4786     \ifthenelse{\value{@choice} = \@choices}{}%
4787     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4788       (\the@choice\space instead of \@choices)}{%
4789       Questions must all have the same number of proposed answers.%
4790       \MessageBreak
4791       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4792 \newenvironment{question}[1]{%
4793   %% \begin{question}
4794   \begin{minipage}{\textwidth}
4795     \xdef\@formanswerline{\@questionheader}%
4796     \xdef\@maskanswerline{\@questionheader}%
4797     \fbox{\parbox[c]{\linewidth}{#1}}
4798     \vspace\questionspace\par
4799     {\@answerstitlefont\@answerstitle}
4800     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4801   %% \end{question}
4802   \end{list}
4803   \@initorcheck%
4804   \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4805   \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%

```



```

4806 \end{minipage}
4807 \stepcounter{question}}
4808 \def\@truesymbol{\ding{52}~}
4809 \def\@falsesymbol{\ding{56}~}
4810 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4811 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4812 \def\@true@nocorrection{\item}
4813 \def\@false@nocorrection{\item}
4814 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
4815 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
4816 \newcommand\true{%
4817 \xdef\@formanswerline{\@formanswerline&}%
4818 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4819 \@true}%
4820 \newcommand>false{%
4821 \xdef\@formanswerline{\@formanswerline&}%
4822 \xdef\@maskanswerline{\@maskanswerline&}%
4823 \@false}%
4824 \def\@correctionstyle{\itshape}
4825 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4826 \newenvironment{correction}{\@correctionstyle}{ }
4827 \def\@questionheader{ \thequestion}
4828 \answerstyle{ :
4829 \DeclareOption{nocorrection}{%
4830 \let\@true\@true@nocorrection
4831 \let\@false\@false@nocorrection
4832 \let\correction\comment
4833 \let\endcorrection\endcomment
4834 \def\makeform{\makeform@nocorrection}
4835 \def\makemask{\makemask@nocorrection}}
4836 \DeclareOption{correction}{%
4837 \let\@true\@true@correction
4838 \let\@false\@false@correction
4839 \let\correction\@correction
4840 \let\endcorrection\end@correction
4841 \def\makeform{\makeform@correction}
4842 \def\makemask{\makemask@correction}}
4843 \ExecuteOptions{nocorrection}
4844 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4845 \def\@questiontitlefont{\bfseries}
4846 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4847 \newlength\questiontitlespace
4848 \setlength\questiontitlespace{5pt}
4849 \newlength\questionsepspace
4850 \setlength\questionsepspace{20pt}
4851 \gdef\@questionsepspace{0pt}
4852 \let\old@question\question
4853 \let\old@endquestion\endquestion
4854 \renewenvironment{question}[1]{%
4855 %% \begin{question}

```



```

4856 \vspace{@questionsepspace}
4857 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4858 \nopagebreak\vspace{questiontitlespace}\par
4859 \old@question{#1}}{\%
4860 %% \end{question}
4861 \old@endquestion
4862 \gdef\@questionsepspace{\questionsepspace}}
4863 \questiontitle{ \thequestion:}
4864 \ProcessOptions

```

7.58 xepersian-persiancal.sty

```

4865 \NeedsTeXFormat{LaTeX2e}
4866 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4867
4868 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4869 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4870 \newcount\XePersian@latini \newcount\XePersian@persiani
4871 \newcount\XePersian@latinii \newcount\XePersian@persianii
4872 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4873 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4874 \newcount\XePersian@latin v \newcount\XePersian@persian v
4875 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4876 \newcount\XePersian@latin vii \newcount\XePersian@persianvii
4877 \newcount\XePersian@latin viii \newcount\XePersian@persianviii
4878 \newcount\XePersian@latin ix \newcount\XePersian@persianix
4879 \newcount\XePersian@latin x \newcount\XePersian@persianx
4880 \newcount\XePersian@latin xi \newcount\XePersian@persianxi
4881 \newcount\XePersian@latin xii \newcount\XePersian@persianxii
4882 \newcount\XePersian@persianxiii
4883
4884 \newcount\XePersian@temp
4885 \newcount\XePersian@temptwo
4886 \newcount\XePersian@tempthree
4887 \newcount\XePersian@yModHundred
4888 \newcount\XePersian@thirtytwo
4889 \newcount\XePersian@dn
4890 \newcount\XePersian@sn
4891 \newcount\XePersian@mminusone
4892
4893
4894 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4895 \XePersian@temp=\XePersian@y
4896 \divide\XePersian@temp by 100\relax
4897 \multiply\XePersian@temp by 100\relax
4898 \XePersian@yModHundred=\XePersian@y
4899 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4900 \ifodd\XePersian@yModHundred
4901 \XePersian@leapfalse
4902 \else

```



```

4903 \XePersian@temp=\XePersian@yModHundred
4904 \divide\XePersian@temp by 2\relax
4905 \ifodd\XePersian@temp\XePersian@leapfalse
4906 \else
4907     \ifnum\XePersian@yModHundred=0%
4908         \XePersian@temp=\XePersian@y
4909         \divide\XePersian@temp by 400\relax
4910         \multiply\XePersian@temp by 400\relax
4911         \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4912     \else\XePersian@leaptrue
4913 \fi
4914 \fi
4915 \fi
4916 \XePersian@latini=31\relax
4917 \ifXePersian@leap
4918     \XePersian@latinii = 29\relax
4919 \else
4920     \XePersian@latinii = 28\relax
4921 \fi
4922 \XePersian@latiniii = 31\relax
4923 \XePersian@latiniv = 30\relax
4924 \XePersian@latin v = 31\relax
4925 \XePersian@latinvi = 30\relax
4926 \XePersian@latin vii = 31\relax
4927 \XePersian@latin viii = 31\relax
4928 \XePersian@latinix = 30\relax
4929 \XePersian@latin x = 31\relax
4930 \XePersian@latin xi = 30\relax
4931 \XePersian@latin xii = 31\relax
4932 \XePersian@thirtytwo=32\relax
4933 \XePersian@temp=\XePersian@y
4934 \advance\XePersian@temp by -17\relax
4935 \XePersian@temptwo=\XePersian@temp
4936 \divide\XePersian@temptwo by 33\relax
4937 \multiply\XePersian@temptwo by 33\relax
4938 \advance\XePersian@temp by -\XePersian@temptwo
4939 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4940 \else
4941     \XePersian@temptwo=\XePersian@temp
4942     \divide\XePersian@temptwo by 4\relax
4943     \multiply\XePersian@temptwo by 4\relax
4944     \advance\XePersian@temp by -\XePersian@temptwo
4945     \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4946 \fi
4947 \XePersian@tempthree=\XePersian@y % Number of Leap years
4948 \advance\XePersian@tempthree by -1
4949 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4950 \divide\XePersian@temp by 4\relax
4951 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4952 \divide\XePersian@temptwo by 100\relax

```



```

4953 \advance\XePersian@temp by -\XePersian@temptwo
4954 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4955 \divide\XePersian@temptwo by 400\relax
4956 \advance\XePersian@temp by \XePersian@temptwo
4957 \advance\XePersian@tempthree by -611 % Number of Kabise years
4958 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4959 \divide\XePersian@temptwo by 33\relax
4960 \multiply\XePersian@temptwo by 8\relax
4961 \advance\XePersian@temp by -\XePersian@temptwo
4962 \XePersian@temptwo=\XePersian@tempthree %
4963 \divide\XePersian@temptwo by 33\relax
4964 \multiply\XePersian@temptwo by 33\relax
4965 \advance\XePersian@tempthree by -\XePersian@temptwo
4966 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
4967 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4968 \advance\XePersian@temp by -\XePersian@tempthree
4969 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4970 \XePersian@persiani=31
4971 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4972 \XePersian@persianii = 30\relax
4973 \ifXePersian@kabiseh
4974 \XePersian@persianiii = 30\relax
4975 \else
4976 \XePersian@persianiii = 29\relax
4977 \fi
4978 \XePersian@persianiv = 31\relax
4979 \XePersian@persianv = 31\relax
4980 \XePersian@persianvi = 31\relax
4981 \XePersian@persianvii = 31\relax
4982 \XePersian@persianviii= 31\relax
4983 \XePersian@persianix = 31\relax
4984 \XePersian@persianx = 30\relax
4985 \XePersian@persianxi = 30\relax
4986 \XePersian@persianxii = 30\relax
4987 \XePersian@persianxiii= 30\relax
4988 \XePersian@dn= 0\relax
4989 \XePersian@sn= 0\relax
4990 \XePersian@mminusone=\XePersian@m
4991 \advance\XePersian@mminusone by -1\relax
4992 \XePersian@i=0\relax
4993 \ifnum\XePersian@i < \XePersian@mminusone
4994 \loop
4995 \advance \XePersian@i by 1\relax
4996 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4997 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4998 \fi
4999 \advance \XePersian@dn by \XePersian@d
5000 \XePersian@i=1\relax
5001 \XePersian@sn = \XePersian@persiani
5002 \ifnum \XePersian@sn<\XePersian@dn

```



```

5003 \loop
5004 \advance \XePersian@i by 1\relax
5005 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5006 \ifnum \XePersian@sn<\XePersian@dn \repeat
5007 \fi
5008 \ifnum \XePersian@i < 4
5009   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5010   \advance \XePersian@y by -622\relax
5011 \else
5012   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5013   \advance \XePersian@y by -621\relax
5014 \fi
5015 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5016 \endcsname
5017 \ifnum\XePersian@i = 1
5018   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
5019 \else
5020   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5021 \fi
5022 \newcommand*{\persiantoday}{\%
5023 \number\XePersian@d\space%
5024 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5025 }
5026 \let\persianyear\XePersian@y
5027 \let\persianmonth\XePersian@m
5028 \let\persianday\XePersian@d
5029 \def\XePersian@persian@month#1{\ifcase#1\or or\
5030 or\
5031 or\    or\
5032 or\
5033 or\    or\
5034 or\    or\
5035 or\    or\
5036 \fi\

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8 Change History

v13.1		
General: Added implementation of the package.	0	
v13.2		
General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code>	122	
v13.5		
General: Fixed the extra space after Persian decimal separator. . . .	152	
v13.6		
General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	93	

