



The XePersian *Package*

Documentation for version 16.4

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 $\LaTeX_{2\epsilon}$, using Xe \TeX engine

Documentation for version 16.4

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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 (c) 2008--2015 Vafa Khalighi
*
* v16.4, 2015/12/07
*
* 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 `ī` is grouped under `l`) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ī` 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>\abovedisplaysshortskip</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>\بیفزا فضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بد نمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX 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>	\پشکن
<code>\bullet</code>	\گلوله
<code>@ccclv</code>	\دوپن @ پنچ
<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>\dots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک @ ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانگر مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپر
<code>\closein</code>	\ببندورودی
<code>\closeout</code>	\ببند خروجی

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>\crrc</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftnlocatcode</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_EX or L^AT_EX 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>\ابعاد</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>\پا گروه</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hfill</code>	\پررا
<code>\hfilneg</code>	\رفع پرا
<code>\hfuzz</code>	\پرزاقی
<code>\hideskip</code>	\فاصله مخفی
<code>\hidewidth</code>	\عرض پنهان
<code>\hline</code>	\خط پر
<code>\hoffset</code>	\حاشیه ا
<code>\holdinginserts</code>	\حفظ درج
<code>\hrboxsep</code>	\فاصله اگر
<code>\hrule</code>	\خط ا
<code>\hrulefill</code>	\پرخط ا
<code>\hsize</code>	\طول سطر
<code>\hskip</code>	\فاصله ا
<code>\hspace</code>	\فضای ا
<code>\hss</code>	\هردوا
<code>\ht</code>	\ارتفاع
<code>\huge</code>	\بزرگ
<code>\Huge</code>	\بزرگ تر
<code>\hyperlink</code>	\ابر پیوند
<code>\hypersetup</code>	\بارگذاری ابر
<code>\hypertarget</code>	\هدف ابر
<code>\hyphenation</code>	\تیره بندی
<code>\hyphenchar</code>	\نویسه تیره
<code>\hyphenpenalty</code>	\جریمه تیره بندی
<code>\@ifclassloaded</code>	\@گر کلاس فراخوانی شده
<code>\@ifdefinable</code>	\@گر ترشدنی
<code>\@ifnextchar</code>	\@گر نویسه بعدی
<code>\@ifpackageloaded</code>	\@گر سبک فراخوانی شده
<code>\@ifstar</code>	\@گر ستاره
<code>\@ifundefined</code>	\@گر تعریف نشده
<code>\if</code>	\گر
<code>\if@tempwa</code>	\گر@سواقت آ
<code>\ifcase</code>	\گرانواع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گرته پرونده
<code>\iff</code>	\گر
<code>\iffalse</code>	\گر نادرست
<code>\IfFileExists</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>	\گرکادرا
<code>\ifhmode</code>	\گرحالت ا
<code>\ifinner</code>	\گردرونی
<code>\ifmmode</code>	\گرحالت ریاضی
<code>\ifnum</code>	\گرعدد
<code>\ifodd</code>	\گرفرد
<code>\ifthenelse</code>	\گرآنگاه دیگر
<code>\iftrue</code>	\گردرست
<code>\ifvbox</code>	\گرکادرو
<code>\ifvmode</code>	\گرحالت و
<code>\ifvoid</code>	\گرتهی
<code>\ifx</code>	\گرتام
<code>\ignorespaces</code>	\فاصله خالی رانندیده بگیر
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورود پرونده گرموجود
<code>\inputlineno</code>	\شماره سطرورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد متن
<code>\invisible</code>	\مخفی
<code>\itdefault</code>	\پیش فرض ای
<code>\itshape</code>	\شکل ایتالیک
<code>\item</code>	\فقره
<code>\itemindent</code>	\تورفتگی فقره
<code>\itemsep</code>	\فاصله فقره
<code>\iterate</code>	\تکرارکن
<code>\itshape</code>	\شکل ای

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX 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>	\کا در 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>\@کاربرد نام</code>
<code>\@ne</code>	<code>\@یک</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبيعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\ابولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعريف بعد جديد</code>
<code>\newline</code>	<code>\سطر جديد</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>\بنویس جديد</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>

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Command in T_EX or L^AT_EX 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>\حدفاصله سطرمتعارف</code>
<code>\normalmarginpar</code>	<code>\درحاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>
<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش درآمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایادداشت ها</code>

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

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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>\فاصله‌بالای‌لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال‌گزینه‌به‌کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال‌گزینه‌به‌پکیج</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>\الگوی‌قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه‌پس‌نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت‌پیش‌نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه‌پیش‌نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه‌پیش‌نمایش</code>
<code>\pretolerance</code>	<code>\پیش‌حد‌بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق‌قبلی</code>
<code>\prevgraf</code>	<code>\بند‌قبلی</code>
<code>\printindex</code>	<code>\نمایه‌دراینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش‌گزینه‌ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه‌فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده‌سازی‌طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده‌سازی‌پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده‌سازی‌سبک</code>
<code>\pushtabs</code>	<code>\ثبت‌الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کوکواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی‌خروج‌صفحه</code>
<code>\radical</code>	<code>\رادیکال</code>
<code>\raggedbottom</code>	<code>\پایین‌بی‌تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم‌ازراست</code>
<code>\raggedright</code>	<code>\تنظیم‌ازچپ</code>
<code>\raise</code>	<code>\انتقال‌ببالا</code>
<code>\raisebox</code>	<code>\بالا‌بر</code>
<code>\raisetag</code>	<code>\ترفیغ‌اتیکت</code>
<code>\rangle</code>	<code>\زاویه‌ر</code>
<code>\rceil</code>	<code>\سقف‌ر</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>	ارجوع
<code>\reflectbox</code>	کادرقرینه
<code>\refname</code>	عنوان مراجع
<code>\refstepcounter</code>	گام شمارنده مرجع
<code>\relax</code>	راحت
<code>\removelastskip</code>	رفع آخرین فاصله
<code>\renewcommand</code>	فرمان ازنو
<code>\renewenvironment</code>	محیط ازنو
<code>\repeat</code>	ازنو
<code>\RequirePackage</code>	اسبک موردنیاز
<code>\RequirePackageWithOptions</code>	اسبک موردنیاز با گزینه
<code>\resizebox</code>	کادرکشیده
<code>\reversemarginpar</code>	درحاشیه معکوس
<code>\rfloor</code>	کف ر
<code>\right</code>	راست
<code>\rightmargin</code>	حاشیه راست
<code>\rightmark</code>	علامت راست
<code>\rightpageskip</code>	کادرتاراست
<code>\rightskip</code>	فاصله انتهای سطر
<code>\rmdefault</code>	رومن عادی
<code>\rmfamily</code>	فامیل رومن
<code>\Roman</code>	رومن بزرگ
<code>\roman</code>	رومن کوچک
<code>\romannumeral</code>	عدد رومی
<code>\rotatebox</code>	کادرچرخان
<code>\rowcolor</code>	رنگ ردیف
<code>\rule</code>	خط
<code>\@secondoftwo</code>	@دومی از دو
<code>\@spaces</code>	@فضاها
<code>\samepage</code>	همین صفحه
<code>\savebox</code>	مقدارکادر
<code>\sbox</code>	مقکادر
<code>\scalebox</code>	کادراندازه
<code>\sdefault</code>	پیش فرض تمام بزرگ
<code>\scshape</code>	شکل تمام بزرگ
<code>\scriptfont</code>	قلم توان
<code>\scriptscriptfont</code>	قلم توان توان
<code>\scriptscriptstyle</code>	اسبک ته نوشت ته نوشت
<code>\scriptsize</code>	اندازه پانویس
<code>\scripstyle</code>	اسبک ته نوشت

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\slshape</code>	\شمايل خو
<code>\small</code>	\کو چک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatencode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضريب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ويژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام بشمارنده
<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 مس
<code>\supereject</code>	\منتهاى 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	@بعدقت ب
\@tempdimc	@بعدقت پ
\@tempskipa	@فاقت آ
\@tempskipb	@فاقت ب
\@tempswafalse	@سواقت آنادرست
\@tempswatru	@سواقت آدرست
\@temptokena	@جزقت آ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\تیکت
\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 ترمتنی
\textless	\کمنرمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن وشناور

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindented</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متني
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبک متنی
<code>\textsuperscript</code>	\بالا نویسی متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان
<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 بد نمایی
<code>\top</code>	\بالا

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Command in T_EX or L^AT_EX 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>\درنویس</code>
<code>\typeout</code>	<code>\برنویس</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>\زیرخط</code>
<code>\unhbox</code>	<code>\جی کادرا</code>
<code>\unhcopy</code>	<code>\جی کپی ا</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>\جی کادرو</code>
<code>\unvcopy</code>	<code>\جی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\ازکادر</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\usecounter</code>	\باشمارشگر
<code>\usefont</code>	\گزینه قلم
<code>\usepackage</code>	\سبک لازم
<code>\@vobeyspaces</code>	\@فضاهای فعال
<code>\@void</code>	\@تهی
<code>\adjust</code>	\تنظیم و
<code>\align</code>	\ردیف و
<code>\value</code>	\محتوای شمارنده
<code>\vbadness</code>	\بدنمایی و
<code>\vbox</code>	\کادرو
<code>\vcenter</code>	\کادرو وسط
<code>\verb</code>	\همانطور
<code>\vfil</code>	\پرو
<code>\vfill</code>	\پررو
<code>\vfilneg</code>	\رفع پرو
<code>\vfuzz</code>	\پرزعمودی
<code>\visible</code>	\نمایان
<code>\vline</code>	\خط عمود
<code>\voffset</code>	\حاشیه و
<code>\voidb@x</code>	\ک@درتهی
<code>\vpageref</code>	\ارجاع صفحه ع
<code>\vrbboxsep</code>	\فاصله وگرد
<code>\vref</code>	\ارجاع ع
<code>\vrule</code>	\خط و
<code>\vsize</code>	\طول صفحه
<code>\vskip</code>	\فاصله و
<code>\vspace</code>	\فضای و
<code>\vsplit</code>	\شکست و
<code>\vss</code>	\هر دو و
<code>\vtop</code>	\کادرگود
<code>\wd</code>	\عرض
<code>\whiledo</code>	\مادام بکن
<code>\widehat</code>	\کلاه پهن
<code>\widetilde</code>	\مد پهن
<code>\widowpenalty</code>	\جریمه ته بند
<code>\width</code>	\پهنا
<code>\wlog</code>	\درکارنامه
<code>\write</code>	\بنویس
<code>\@xobeysp</code>	\@فضای لاتین
<code>\@xxxii</code>	\سی@دو

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\xdef</code>	<code>\ترگع</code>
<code>\xleaders</code>	<code>\نشانگرگسترشی</code>
<code>\xspaceskip</code>	<code>\فاصله اضافی کلمات</code>
<code>\year</code>	<code>\سال</code>
<code>\z@</code>	<code>\فر</code>
<code>\z@skip</code>	<code>@\فرفاصله</code>

Table 2: The Equivalent XePersian Commands

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

Continued on next page



Command in XePersian	Equivalent Persian Command
<code>\RTLfootnotetext</code>	\متن پانوشت
<code>\RTLthanks</code>	\پانوشت عنوان
<code>\@SepMark</code>	\@علامت بین
<code>\SepMark</code>	\علامت بین
<code>\setdefaultbibitems</code>	\بگذارد مرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذارد در حاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذارد زیرنویس چپ
<code>\setfootnoteRL</code>	\بگذارد زیرنویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذارد متن چپ
<code>\setLTRbibitems</code>	\بگذارد مرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذارد در حاشیه چپ
<code>\setRTL</code>	\بگذارد متن راست
<code>\setRTLbibitems</code>	\بگذارد مرجوعات راست
<code>\setRTLmarginpar</code>	\بگذارد 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>	\نگذارد زیرنویس راست
<code>\unsetLTR</code>	\نگذارد متن چپ
<code>\unsetRTL</code>	\نگذارد متن راست
<code>\vboxL</code>	\کادر و از چپ
<code>\vboxR</code>	\کادر و از راست
<code>\XeLaTeX</code>	\ازی لاتک
<code>\XePersian</code>	\ازی پرشین
<code>\xepersianversion</code>	\گونه زی پرشین
<code>\xepersiandate</code>	\تاریخ گونه زی پرشین
<code>\XeTeX</code>	\ازی 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

Continued on next page



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	کادررچ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چندستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ

Continued on next page



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

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

Table 5: The Equivalent \LaTeX position arguments

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

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

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

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

Table 6: Persian Equivalent keys of `graphicx` package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدا
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی

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	تحویل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

Continued on next page



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

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

Table 9: Persian Equivalent font feature options

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

2.5 A Sample Input T_EX File

```

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

```

2.6 Font Commands



2.6.1 Basic Font Commands

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

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

2.6.2 Defining Extra Persian and Latin Fonts

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

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

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

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

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

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

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



2.6.3 Choosing Persian Sans Font

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

2.6.4 Choosing Persian Mono Font

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

2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iraniconfamily \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{\langle integer \rangle}` `\adadinumeral{\langle integer \rangle}` `\tartibinumeral{\langle integer \rangle}`

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



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

```
\DefaultMathsDigits \PersianMathsDigits \AutoMathsDigits
```

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

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

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

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

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

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

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

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

5 Bilingual Captions

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



5.1 Support For Various Packages

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

5.1.1 Things You Should Know about Support For enumerate Package

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

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

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

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

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

5.2 Index Generation

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

5.3 Converting Your FarsiT_EX Files To XePersian or Unicode

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

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

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

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

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

Where

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

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



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

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

6 Extra Packages And Classes

6.1 Magazine Typesetting

6.1.1 Introduction

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

6.1.2 Usage

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

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

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

From this point it is possible to include packages and renew class commands described in [subsection 6.1.g](#).

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 *<title>* 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{<image>}{<day-name>}{<max>} {<min>}{<short-des>}
```

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

6.1.4 Inside

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

6.1.5 The article environment

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

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

The first argument *<num-of-columns>* sets the number of columns the article will be divided whereas *<label>* 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}
```

```
\columntitle \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

```
\columntitle{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 `\langle section name \rangle`. 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 \custommagazinename
```

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>}  
\custommagazinename{<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 [subsection 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 lay out.

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 \LaTeX 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 \LaTeX in order to get a correctly formatted document.

6.2.8 Typesetting corrections

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

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

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

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

6.2.9 Important Note

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

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

6.3 Customising The Package



6.3.1 The question environment

```
\questionspace \answerstitlefont \answernumberfont
```

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

6.3.2 The Form and the Mask

```
\headerfont \X
```

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

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

6.3.3 The correction

```
\truesymbol \falsesymbol
```

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

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

```
\correctionstyle
```

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

7 xepersian implementation

7.1 algorithmic-xepersian.def



```

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

```

7.2 algorithm-xepersian.def

```

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

```

7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@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     \@makefntext{%
61       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
62
63
64 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
65 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
66 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
67

```

7.4 amsbook-xepersian.def

```

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

```



```

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

```

7.5 appendix-xepersian.def

```

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

```



```

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

```

7.6 article-xepersian.def

```

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

```

7.7 artikel1-xepersian.def

```

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

```

7.8 artikel2-xepersian.def

```

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

```

7.9 artikel3-xepersian.def

```

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

```

7.10 backref-xepersian.def

```

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

```



```

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

```

7.11 bidentuftsidenote-xepersian.def

```

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

```



```

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

```

7.12 bidimoderncv-xepersian.def

```

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

```

7.13 boek3-xepersian.def

```

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

```



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

7.14 boek-xepersian.def

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

7.15 bookest-xepersian.def

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

7.16 book-xepersian.def

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

7.17 breqn-xepersian.def

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



```

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

```

7.18 latex-localise-commands-xepersian.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

7.19 color-localise-xepersian.def

```

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

```

7.20 xepersian-localise-commands-xepersian.def

```

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

```



```

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

```




```

1398 \eqenvironment{ }{picture}
1399 \eqenvironment{ }{quotation}
1400 \eqenvironment{ }{quote}
1401 \eqenvironment{ }{slide}
1402 \eqenvironment{ }{sloppypar}
1403 \eqenvironment{ }{split}
1404 \eqenvironment{ }{subarray}
1405 \eqenvironment{ }{tabbing}
1406 \eqenvironment{ }{table}
1407 \eqenvironment{ *}{table*}
1408 \eqenvironment{ }{tabular}
1409 \eqenvironment{ *}{tabular*}
1410 \eqenvironment{ }{thebibliography}
1411 \eqenvironment{ }{theindex}
1412 \eqenvironment{ }{titlepage}
1413 \eqenvironment{ }{trivlist}
1414 \eqenvironment{ }{verse}

```

7.23 xepersian-localise-environments-xepersian.def

```

1415 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisati
1416 \eqenvironment{ }{latin}
1417 \eqenvironment{ }{LTR}
1418 \eqenvironment{ }{LTRitems}
1419 \eqenvironment{ }{modernpoem}
1420 \eqenvironment{ *}{modernpoem*}
1421 \eqenvironment{ }{persian}
1422 \eqenvironment{ }{RTL}
1423 \eqenvironment{ }{RTLitems}
1424 \eqenvironment{ }{traditionalpoem}
1425 \eqenvironment{ *}{traditionalpoem*}

```

7.24 extarticle-xepersian.def

```

1426 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1427 \renewcommand\thepart { \@tartibi\c@part}
1428 \renewcommand\appendix{\par
1429 \setcounter{section}{0}%
1430 \setcounter{subsection}{0}%
1431 \gdef\thesection{\@harfi\c@section}}

```

7.25 extbook-xepersian.def

```

1432 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1433 \renewcommand\frontmatter{%
1434 \cleardoublepage
1435 \@mainmatterfalse
1436 \pagenumbering{harfi}}
1437 \renewcommand \thepart { \@tartibi\c@part}
1438 \renewcommand\appendix{\par
1439 \setcounter{chapter}{0}%
1440 \setcounter{section}{0}%

```



```

1441 \gdef\@chapapp{\appendixname}%
1442 \gdef\thechapter{\@harfi\c@chapter}
1443 }%end appendix

```

7.26 extrafootnotefeatures-xepersian.def

```

1444 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafootnotefeatures]
1445 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1446 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1447 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

7.27 extreport-xepersian.def

```

1448 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1449 \renewcommand\thepart {\@tartibi\c@part}
1450 \renewcommand\appendix{\par
1451 \setcounter{chapter}{0}%
1452 \setcounter{section}{0}%
1453 \gdef\@chapapp{\appendixname}%
1454 \gdef\thechapter{\@harfi\c@chapter}}

```

7.28 flowfram-xepersian.def

```

1455 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1456 \def\@outputpage{%
1457 \begingroup
1458 \let\protect\noexpand
1459 \@resetactivechars
1460 \global\let\@if@newlist\if@newlist
1461 \global\@newlistfalse\@parboxrestore
1462 \shipout\vbox{\set@typeset@protect
1463 \aftergroup
1464 \endgroup
1465 \aftergroup
1466 \set@typeset@protect
1467 \reset@font\normalsize\normalsfcodes
1468 \let\label@gobble
1469 \let\index@gobble
1470 \let\glossary@gobble
1471 \baselineskip\z@skip
1472 \lineskip\z@skip
1473 \lineskiplimit\z@
1474 \vskip\topmargin\moveright\@themargin
1475 \vbox{%
1476 \vskip\headheight
1477 \vskip\headsep
1478 \box\@outputbox
1479 }}%
1480 \global\let\if@newlist\@if@newlist
1481 \stepcounter{page}%
1482 \setcounter{displayedframe}{0}%
1483 \let\firstmark\botmark}

```



7.29 footnote-xepersian.def

```
1484 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1485
1486
1487
1488 \long\def\@footnotetext#1{\insert\footins{%
1489   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1490   \reset@font\footnotesize
1491   \interlinepenalty\interfootnotelinepenalty
1492   \splittopskip\footnotesep
1493   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1494   \hsize\columnwidth \@parboxrestore
1495   \protected@edef\@currentlabel{%
1496     \csname p@footnote\endcsname\@thefnmark
1497   }%
1498   \color@begingroup
1499     \makefntext{%
1500       \rule{z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1501     \color@endgroup}}}%
1502
1503
1504
1505
1506
1507 \long\def\@RTLfootnotetext#1{\insert\footins{%
1508   \@RTLtrue%
1509   \reset@font\footnotesize
1510   \interlinepenalty\interfootnotelinepenalty
1511   \splittopskip\footnotesep
1512   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1513   \hsize\columnwidth \@parboxrestore
1514   \protected@edef\@currentlabel{%
1515     \csname p@footnote\endcsname\@thefnmark
1516   }%
1517   \color@begingroup
1518     \makefntext{%
1519       \rule{z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1520     \color@endgroup}}}%
1521
1522
1523
1524
1525
1526 \long\def\@LTRfootnotetext#1{\insert\footins{%
1527   \@RTLfalse%
1528   \reset@font\footnotesize
1529   \interlinepenalty\interfootnotelinepenalty
1530   \splittopskip\footnotesep
1531   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
```



```

1532 \hsize\columnwidth \@parboxrestore
1533 \protected@edef\@currentlabel{%
1534 \csname p@footnote\endcsname\@thefnmark
1535 }%
1536 \color@begingroup
1537 \makefnintext{%
1538 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1539 \color@endgroup}}%
1540
1541 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1542 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1543 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1544
1545
1546
1547 \long\def\@mpfootnotetext#1{%
1548 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
1549 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
1550 \unvbox\@mpfootins
1551 \reset@font\footnotesize
1552 \hsize\columnwidth
1553 \@parboxrestore
1554 \protected@edef\@currentlabel
1555 {\csname p@mpfootnote\endcsname\@thefnmark}%
1556 \color@begingroup
1557 \makefnintext{%
1558 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut
1559 \color@endgroup}}
1560
1561
1562
1563
1564
1565 \long\def\@mpRTLfootnotetext#1{%
1566 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
1567 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1568 \unvbox\@mpfootins
1569 \reset@font\footnotesize
1570 \hsize\columnwidth
1571 \@parboxrestore
1572 \protected@edef\@currentlabel
1573 {\csname p@mpfootnote\endcsname\@thefnmark}%
1574 \color@begingroup
1575 \makefnintext{%
1576 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1577 \color@endgroup}}
1578
1579
1580 \long\def\@mpLTRfootnotetext#1{%
1581 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot

```



```

1582 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1583 \unvbox\@mpfootins
1584 \reset@font\footnotesize
1585 \hsize\columnwidth
1586 \@parboxrestore
1587 \protected@edef\@currentlabel
1588   {\csname p@mpfootnote\endcsname\@thefnmark}%
1589 \color@begingroup
1590   \@makefntext{%
1591     \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1592 \color@endgroup}}

```

7.30 framed-xepersian.def

```

1593 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1594 \renewenvironment{titled-frame}[1]{%
1595   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1596     \TitleBarFrame{\textbf{#1}}}%
1597   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1598     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1599   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1600     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1601     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1602       \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1603   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1604 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1605 % could interfere with the width measurement.
1606 {\endMakeFramed}

```

7.31 glossaries-xepersian.def

```

1607 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1608 \glsaddprotectedpagefmt{@harfi}
1609 \glsaddprotectedpagefmt{@tartibi}
1610 \glsaddprotectedpagefmt{@adadi}

```

7.32 hyperref-xepersian.def

```

1611 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1612 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1613 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1614 \def\itemautorefname{\if@RTL else\ item\fi}%
1615 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1616 \def\tableautorefname{\if@RTL else\ Table\fi}%
1617 \def\partautorefname{\if@RTL else\ Part\fi}%
1618 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1619 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1620 \def\sectionautorefname{\if@RTL else\ section\fi}%
1621 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1622 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1623 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1624 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%

```



```

1625 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1626 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1627 \def\pageautorefname{\if@RTL else\ page\fi}%
1628 \AtBeginDocument{%
1629 \let\HyOrg@appendix\appendix
1630 \def\appendix{%
1631 \ltx@ifundefined{chapter}%
1632 {\gdef\theHsection{\Alph{section}}}%
1633 {\gdef\theHchapter{\Alph{chapter}}}%
1634 \xdef\Hy@chapapp{\Hy@appendixstring}%
1635 \HyOrg@appendix
1636 }
1637 }
1638 \pdfstringdefDisableCommands{%
1639 \let\lr\@firstofone
1640 \let\rl\@firstofone
1641 \def\XePersian{XePersian}
1642 }
1643 \ltx@ifundefined{@resets@pp}{%
1644 }{%
1645 \let\HyOrg@resets@pp\@resets@pp
1646 \def\@resets@pp{%
1647 \ltx@ifundefined{chapter}{%
1648 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1649 }{%
1650 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1651 }%
1652 \xdef\Hy@chapapp{\Hy@appendixstring}%
1653 \HyOrg@resets@pp
1654 }%
1655 }

```

7.33 imspoc-xepersian.def

```

1656 \ProvidesFile{imspoc-xepersian.def}[2015/12/07 v0.4 implementation of imspoc class for xepersi
1657 \newenvironment{thebibliography}[1]{%
1658 \@bibtitlestyle
1659 \normalfont\bibliofont\labelsep .5em\relax
1660 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1661 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1662 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1663 \leftmargin\labelwidth \advance\leftmargin\labelsep
1664 \usecounter{enumiv}}%
1665 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1666 \sfcode`.\@M
1667 }{%
1668 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1669 \endlist
1670 }
1671 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

1672 \columnseprule\z@ \columnsep 35\p@
1673 \@indextitlestyle
1674 \thispagestyle{plain}%
1675 \let\item\@idxitem
1676 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1677 \if@RTL\raggedleft\else\raggedright\fi
1678 \hyphenpenalty\@M
1679 \footnotesize}
1680 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1681 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1682 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1683 \renewcommand \thepart {\@tartibi\c@part}
1684 \def\appendix{\par\c@section\z@ \c@subsection\z@
1685 \let\sectionname\appendixname
1686 \def\thesection{\@charfi\c@section}}
1687 \def\right@footnoterule{%
1688 \kern-.4\p@
1689 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
1690 \kern11\p@\kern-\footnotesep}
1691 \def\left@footnoterule{\kern-.4\p@
1692 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1693 \def\@makefnmark{%
1694 \leavevmode
1695 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
1696 }
1697
1698
1699
1700 \long\def\@footnotetext#1{%
1701 \insert\footins{%
1702 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1703 \normalfont\footnotesize
1704 \interlinepenalty\interfootnotelinepenalty
1705 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1706 \floatingpenalty\@MM \hsize\columnwidth
1707 \@parboxrestore \parindent\normalparindent \sloppy
1708 \protected@edef\@currentlabel{%
1709 \csname p@footnote\endcsname\@thefnmark}%
1710 \@makefnmark}
1711 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1712
1713
1714
1715
1716
1717 \long\def\@RTLfootnotetext#1{%
1718 \insert\footins{%
1719 \@RTLtrue%
1720 \normalfont\footnotesize
1721 \interlinepenalty\interfootnotelinepenalty

```



```

1722 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1723 \floatingpenalty\@MM \hsize\columnwidth
1724 \@parboxrestore \parindent\normalparindent \sloppy
1725 \protected@edef\@currentlabel{%
1726   \csname p@footnote\endcsname\@thefnmark}%
1727 \@makefnfntext{%
1728   \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
1729
1730
1731
1732
1733
1734
1735
1736 \long\def\@LTRfootnotetext#1{%
1737   \insert\footins{%
1738     \@RTLfalse%
1739     \normalfont\footnotesize
1740     \interlinepenalty\interfootnotelinepenalty
1741     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1742     \floatingpenalty\@MM \hsize\columnwidth
1743     \@parboxrestore \parindent\normalparindent \sloppy
1744     \protected@edef\@currentlabel{%
1745       \csname p@footnote\endcsname\@thefnmark}%
1746     \@makefnfntext{%
1747       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1748
1749 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\@bidi@footdir@footnote}
1750 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1751 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1752
1753 \def\part{\@startsection{part}{0}%
1754   \z@\{ \linespacing\@plus\linespacing\}.5\linespacing}%
1755   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1756 \def\@tocline#1#2#3#4#5#6#7{\relax
1757   \ifnum #1>\c@tocdepth % then omit
1758   \else
1759     \par \addpenalty\@secpenalty\addvspace{#2}%
1760     \begingroup \hyphenpenalty\@M
1761     \@ifempty{#4}{%
1762       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
1763     }{%
1764       \@tempdima#4\relax
1765     }%
1766     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip
1767     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1768     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1769     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1770     \nobreak
1771   \endgroup

```



```

1772 \fi}
1773 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1774 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1775 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1776 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1777 \def\maketitle{\par
1778 \@topnum\z@ % this prevents figures from falling at the top of page 1
1779 \@setcopyright
1780 \thispagestyle{firstpage}% this sets first page specifications
1781 \uppercase\nonmath\shorttitle
1782 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1783 \else \andify\shortauthors
1784 \fi
1785 \@maketitle@hook
1786 \begingroup
1787 \@maketitle
1788 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
1789 \toks4{\def\{\ignorespaces}}% defend against questionable usage
1790 \edef\@tempa{%
1791 \@nx\markboth{\the\toks4
1792 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1793 \@tempa
1794 \endgroup
1795 \c@footnote\z@
1796 \cleartopmattertags
1797 }

```

7.34 kashida-xepersian.def

```

1798 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian pac
1799 \chardef\xepersian@zjw="200D % zero-width joiner
1800
1801 \chardef\xepersian@D=10 % dual-joiner class
1802 \chardef\xepersian@L=11 % lam
1803 \chardef\xepersian@R=12 % right-joiner
1804 \chardef\xepersian@A=13 % alef
1805 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1806 \def\xepersian@kashida{\xepersian@zjw\nobreak%
1807 \leaders\hrule height \XeTeXglyphbounds2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphbounds4 \
1808
1809 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1810 \expandafter\dosetclass\charlist,\end}
1811 \def\dosetclass#1,#2\end{%
1812 \def\test{#1}\def\charlist{#2}%
1813 \ifx\test\empty\let\next\finishsetclass
1814 \else \XeTeXcharclass "\test = \theclass
1815 \let\next\dosetclass \fi
1816 \expandafter\next\charlist,,\end}
1817 \def\finishsetclass#1,,\end{}
1818

```



```

1819 \setclass \xepersian@A {0622,0623,0625,0627}
1820 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1821 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1822 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1823 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1824 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1825 \setclass \xepersian@L {0644}
1826 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1827
1828 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1829 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1830 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1831 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1832 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1833 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1834 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1835 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1836
1837 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1838 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1839 \KashidaOn

```

7.35 listings-xepersian.def

```

1840 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1841 \def\lstlistingname{\if@RTL else\ Listing\fi}
1842 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

7.36 loadingorder-xepersian.def

```

1843 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last]
1844 \bidi@isloaded{algorithmic}
1845 \bidi@isloaded{algorithm}
1846 \bidi@isloaded{backref}
1847 \bidi@isloaded{enumerate}
1848 \bidi@isloaded{tocloft}
1849 \bidi@isloaded{url}
1850 \AtBeginDocument{
1851   \if@bidi@algorithmicloaded@else
1852     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}
1853     \fi%
1854   \if@bidi@algorithmloaded@else
1855     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}
1856     \fi%
1857   \if@bidi@backrefloaded@else
1858     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}
1859     \fi%
1860   \if@bidi@enumerateloaded@else
1861     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}
1862     \fi%
1863   \if@bidi@tocloftloaded@else

```



```

1864 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian
1865 \fi%
1866 \if@bidi@urlloaded@else
1867 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian pack
1868 \fi%
1869 }

```

7.37 localise-xepersian.def

```

1870 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1871 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1872 \makezwnjletter
1873 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1874 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1875 \@ifpackageloaded{keyval}{%
1876 \newcommand*\keyval@eq@alias@key[4][KV]{%
1877 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1878 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1879 }{\@ifpackageloaded{xkeyval}{%
1880 \newcommand*\keyval@eq@alias@key[4][KV]{%
1881 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1882 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1883 }{}}
1884 \input{latex-localise-commands-xepersian.def}
1885 \input{xepersian-localise-commands-xepersian.def}
1886 \input{latex-localise-environments-xepersian.def}
1887 \input{xepersian-localise-environments-xepersian.def}
1888 \input{latex-localise-messages-xepersian.def}
1889 \input{latex-localise-misc-xepersian.def}
1890 \input{packages-localise-xepersian.def}
1891 \aliasfontfeature{ExternalLocation}{ }
1892 \aliasfontfeature{ExternalLocation}{ }
1893 \aliasfontfeature{Renderer}{ }
1894 \aliasfontfeature{BoldFont}{ }
1895 \aliasfontfeature{Language}{ }
1896 \aliasfontfeature{Script}{ }
1897 \aliasfontfeature{UprightFont}{ }
1898 \aliasfontfeature{ItalicFont}{ }
1899 \aliasfontfeature{BoldItalicFont}{ }
1900 \aliasfontfeature{SlantedFont}{ }
1901 \aliasfontfeature{BoldSlantedFont}{ }
1902 \aliasfontfeature{SmallCapsFont}{ }
1903 \aliasfontfeature{UprightFeatures}{ }
1904 \aliasfontfeature{BoldFeatures}{ }
1905 \aliasfontfeature{ItalicFeatures}{ }
1906 \aliasfontfeature{BoldItalicFeatures}{ }
1907 \aliasfontfeature{SlantedFeatures}{ }
1908 \aliasfontfeature{BoldSlantedFeatures}{ }
1909 \aliasfontfeature{SmallCapsFeatures}{ }
1910 \aliasfontfeature{SizeFeatures}{ }

```



```

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

```

7.38 memoir-xepersian.def

```

1950 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1951 \renewcommand{\@memfront}{%
1952   \@smemfront\pagenumbering{harfi}}
1953 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1954 \renewcommand*{\thebook}{\@tartibi\c@book}
1955 \renewcommand*{\thepart}{\@tartibi\c@part}
1956 \renewcommand{\appendix}{\par
1957   \setcounter{chapter}{0}%

```



```

1958 \setcounter{section}{0}%
1959 \gdef\@chapapp{\appendixname}%
1960 \gdef\thechapter{\@harfi\c@chapter}%
1961 \anappendixtrue}

```

7.39 latex-localise-messages-xepersian.def

```

1962 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.40 minitoc-xepersian.def

```

1963 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1964 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1965 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1966 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1967 \def\mtctitle{\if@RTL else\ Contents\fi}%
1968 \def\mlftitle{\if@RTL else\ Figures\fi}%
1969 \def\mltttitle{\if@RTL else\ Tables\fi}%
1970 \def\stctitle{\if@RTL else\ Contents\fi}%
1971 \def\slftitle{\if@RTL else\ Figures\fi}%
1972 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.41 latex-localise-misc-xepersian.def

```

1973 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
1974 %}1# \ \
1975 \@ \ \ @ \ \
1976 \1# \
1977 \1# @\
1978 \1# @\
1979 {@ \ \
1980 %}2#1# @\ \
1981 %1# \ \ @\ \ \ \ \
1982 \2# \ \ @\ \
1983 {{2#1# \}}
1984 undefined\ \ \
1985
1986 %{ \ \ \ \ \1#} \ \} \1# \ \
1987 \ \ { \ \ \ \
1988 \ \ \
1989
1990
1991 \ \ \ \%} \#1
1992 \1#} \ \ \% \
1993 \ \ \ \
1994 }%
1995 \
1996 \ \ \ \
1997 }
1998 \= \ \
1999
2000

```



```

2001 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2002 \def\@xfloat #1[#2]{%
2003   \nodocument
2004   \def \@capttype {#1}%
2005   \def \@fps {#2}%
2006   \@onelevel@sanitize \@fps
2007   \def \reserved@b {!}%
2008   \ifx \reserved@b \@fps
2009     \@fpsaddefault
2010   \else
2011     \ifx \@fps \@empty
2012       \@fpsaddefault
2013     \fi
2014   \fi
2015   \ifhmode
2016     \@bsphack
2017     \@floatpenalty -\@Mii
2018   \else
2019     \@floatpenalty-\@Miii
2020   \fi
2021 \ifinner
2022   \@parmoderr\@floatpenalty\z@
2023 \else
2024   \@next\@currbox\@freelist
2025   {%
2026     \@tempcnta \sixt@@n
2027     \expandafter \@tfor \expandafter \reserved@a
2028     \expandafter :\expandafter =\@fps
2029     \do
2030     {%
2031       \if \reserved@a h%
2032         \ifodd \@tempcnta
2033       \else
2034         \advance \@tempcnta \@ne
2035       \fi
2036     \fi
2037     \if \reserved@a %
2038       \ifodd \@tempcnta
2039     \else
2040       \advance \@tempcnta \@ne
2041     \fi
2042   \fi
2043   \if \reserved@a t%
2044     \@setfpsbit \tw@
2045   \fi
2046   \if \reserved@a %
2047     \@setfpsbit \tw@
2048   \fi
2049   \if \reserved@a b%
2050     \@setfpsbit 4%

```



```

2051         \fi
2052         \if \reserved@a %
2053             \@setfpsbit 4%
2054         \fi
2055         \if \reserved@a p%
2056             \@setfpsbit 8%
2057         \fi
2058         \if \reserved@a %
2059             \@setfpsbit 8%
2060         \fi
2061         \if \reserved@a !%
2062             \ifnum \@tempcnta>15
2063                 \advance\@tempcnta -\sixt@n\relax
2064             \fi
2065         \fi
2066     }%
2067     \@tempcntb \csname ftype@\@capttype \endcsname
2068     \multiply \@tempcntb \@xxxii
2069     \advance \@tempcnta \@tempcntb
2070     \global \count\@currbox \@tempcnta
2071     }%
2072     \@fltovf
2073     \fi
2074     \global \setbox\@currbox
2075         \color@vbox
2076         \normalcolor
2077         \vbox \bgroup
2078             \hsize\columnwidth
2079             \@parboxrestore
2080         \floatboxreset
2081 }
2082 \let\bm@ \bm@c
2083 \let\bm@ \bm@l
2084 \let\bm@ \bm@r
2085 \let\bm@ \bm@b
2086 \let\bm@ \bm@t
2087 \let\bm@ \bm@s
2088 \long\def\@iiiparbox#1#2[#3]#4#5{%
2089     \leavevmode
2090     \@pboxswfalse
2091     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2092     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2093     \setlength\@tempdima{#4}%
2094     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
2095     \ifx\relax#2\else
2096         \setlength\@tempdimb{#2}%
2097         \edef\@parboxto{to\the\@tempdimb}%
2098     \fi
2099     \if#1b\vbox
2100     \else\if#1\vbox

```



```

2101 \else\if #1t\vtop
2102 \else\if vtop\ #1
2103 \else\ifmode\vcenter
2104 \else\@pboxswtrue $\vcenter
2105 \fi\fi\fi\fi\fi
2106 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2107 \csname bm@#3\endcsname}%
2108 \if@pboxsw \m@th$\fi
2109 \@end@tempboxa}
2110 \def\@iiiminipage#1#2[#3]#4{%
2111 \leavevmode
2112 \@pboxswfalse
2113 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2114 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2115 \setlength\@tempdima{#4}%
2116 \def\@mpargs{#1}#2[#3]{#4}}%
2117 \setbox\@tempboxa\vbox\bgroup
2118 \color@begingroup
2119 \hsize\@tempdima
2120 \textwidth\hsize \columnwidth\hsize
2121 \@parboxrestore
2122 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2123 \let\@footnotetext\@mpfootnotetext
2124 \let\@LTRfootnotetext\@mpLTRfootnotetext
2125 \let\@RTLfootnotetext\@mpRTLfootnotetext
2126 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2127 \@minipagerestore
2128 \@setminipage}
2129 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2130 \ifnum \@lastchclass=3 5 \else
2131 \z@ \if #1c\@chnum \z@ \else
2132 \if chnum@ #1 \z@ \else
2133 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2134 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2135 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2136 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2137 \@chclass \if #1|\@ne \else
2138 \if #1@\tw@ \else
2139 \if #1p3 \else
2140 \if 3#1 \else \z@ \@preamerr 0\fi
2141 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2142 \fi}%
2143 }{}
2144 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2145 \def\@testpach{\@chclass
2146 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2147 \ifnum \@lastchclass=7 5 \else
2148 \ifnum \@lastchclass=8 \tw@ \else
2149 \ifnum \@lastchclass=9 \thr@@
2150 \else \z@

```



```

2151 \ifnum \@lastchclass = 10 \else
2152 \edef\@nextchar{\expandafter\string\@nextchar}%
2153 \@chnum
2154 \if \@nextchar c\z@ \else
2155 \if \@nextchar @z\ \else
2156 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2157 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2158 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2159 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2160 \z@ \@chclass
2161 \if\@nextchar |\@ne \else
2162 \if \@nextchar !6 \else
2163 \if \@nextchar @7 \else
2164 \if \@nextchar <8 \else
2165 \if \@nextchar >9 \else
2166 10
2167 \@chnum
2168 \if \@nextchar m\thr@@\else
2169 \if \@nextchar thr@@\else\
2170 \if \@nextchar p4 \else
2171 \if \@nextchar 4 \else
2172 \if \@nextchar b5 \else
2173 \if \@nextchar 5 \else
2174 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
2175 \fi \fi}%
2176 }{}
2177 \@ifdefinitionfileloaded{arydshln-xetex-bidi}{
2178 \ifadl@usingarypkg
2179 \def\@testpach{\@chclass
2180 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2181 \ifnum \@lastchclass=7 5 \else
2182 \ifnum \@lastchclass=8 \tw@ \else
2183 \ifnum \@lastchclass=9 \thr@@
2184 \else \z@
2185 \ifnum \@lastchclass = 10 \else
2186 \edef\@nextchar{\expandafter\string\@nextchar}%
2187 \@chnum
2188 \if \@nextchar c\z@ \else
2189 \if \@nextchar @z\ \else
2190 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2191 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2192 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2193 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2194 \z@ \@chclass
2195 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2196 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
2197 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
2198 \if \@nextchar !6 \else
2199 \if \@nextchar @7 \else
2200 \if \@nextchar <8 \else

```



```

2201     \if \@nextchar >9 \else
2202 10
2203 \@chnum
2204 \if \@nextchar m\thr@@\else
2205 \if \@nextchar thr@@\else\
2206 \if \@nextchar p4 \else
2207 \if \@nextchar 4 \else
2208 \if \@nextchar b5 \else
2209 \if \@nextchar 5 \else
2210 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2211 \fi \fi
2212
2213 \def\@classz{\@classx
2214 \@tempcnta \count@
2215 \prepnext@tok
2216 \@addtopreamble{\ifcase \@chnum
2217 \hfil
2218 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2219 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2220 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2221 \setbox\adl@box\hbox \adl@startpbox{\@nextchar}\insert@column
2222 \adl@endmbox\or
2223 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2224 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2225 \fi}\prepnext@tok}
2226 \def\adl@class@start{4}
2227 \def\adl@class@iiiorvii{7}
2228
2229 \else
2230 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2231 \ifnum \@lastchclass=\thr@@ 5\relax \else
2232 \z@ \if #1c\@chnum \z@ \else
2233 \if @chnum\z@\ #1 \else
2234 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2235 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2236 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2237 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2238 \@chclass
2239 \if #1\@ne \let\@arrayrule\adl@arrayrule \else
2240 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2241 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2242 \if #1@ \tw@ \else
2243 \if #1p\thr@@ \else
2244 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2245 \fi \fi}
2246
2247 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2248 \or \or \@addamp \or
2249 \@acolampacol \or \@firstampfalse \@acol \fi
2250 \edef\@preamble{\@preamble

```



```

2251         \ifcase \@chnum
2252             \hfil\adl@putlrc{${\relax\@sharp$}\hfil
2253             \or \adl@putlrc{${\relax\@sharp$}\hfil
2254             \or \hfil\adl@putlrc{${\relax\@sharp$}\fi}}
2255 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2256             \or \or \@addamp \or
2257             \@acolampacol \or \@firstampfalse \@acol \fi
2258 \edef\@preamble{\@preamble
2259 \ifcase \@chnum
2260             \hfil\adl@putlrc{\@sharp\unskip}\hfil
2261             \or \adl@putlrc{\@sharp\unskip}\hfil
2262             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2263 \def\adl@class@start{6}
2264 \def\adl@class@iiiorvii{3}
2265 \fi
2266 }{}
2267 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2268 \def\@testpach{\@chclass
2269 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2270 \ifnum \@lastchclass=7 5 \else
2271 \ifnum \@lastchclass=8 \tw@ \else
2272 \ifnum \@lastchclass=9 \thr@@
2273 \else \z@
2274 \ifnum \@lastchclass = 10 \else
2275 \edef\@nextchar{\expandafter\string\@nextchar}%
2276 \@chnum
2277 \if \@nextchar c\z@ \else
2278 \if \@nextchar @z\ \else
2279 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2280 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2281 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2282 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2283 \if \@nextchar C7 \else
2284 \if \@nextchar 7 \else
2285 \if \@nextchar L8 \else
2286 \if \@nextchar 8 \else
2287 \if \@nextchar R9 \else
2288 \if \@nextchar 9 \else
2289 \if \@nextchar J10 \else
2290 \if \@nextchar 10 \else
2291 \z@ \@chclass
2292 \if\@nextchar |\@ne \else
2293 \if \@nextchar !6 \else
2294 \if \@nextchar @7 \else
2295 \if \@nextchar <8 \else
2296 \if \@nextchar >9 \else
2297 10
2298 \@chnum
2299 \if \@nextchar m\thr@@\else
2300 \if \@nextchar thr@@\else\

```




```

2348 \let\citeyearpar=\citeyear
2349 \let\NAT@space\relax
2350 \def\NAT@super@kern{\kern\p@}%
2351 \else
2352 \let\NAT@mbox=\mbox
2353 \let\@cite\NAT@citenum
2354 \let\NAT@space\NAT@spacechar
2355 \let\NAT@super@kern\relax
2356 \fi
2357 \let\@citex\NAT@citexnum
2358 \let\@Latincitex\NAT@Latin@citexnum
2359 \let\@biblabel\NAT@biblabelnum
2360 \let\@bibsetup\NAT@bibsetnum
2361 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2362 \def\natexlab##1{}%
2363 \def\NAT@penalty{\penalty\@m}%
2364 \else
2365 \let\@cite\NAT@cite
2366 \let\@citex\NAT@citex
2367 \let\@Latincitex\NAT@Latin@citex
2368 \let\@biblabel\NAT@biblabel
2369 \let\@bibsetup\NAT@bibsetup
2370 \let\NAT@space\NAT@spacechar
2371 \let\NAT@penalty\@empty
2372 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2373 \def\natexlab##1{##1}%
2374 \fi}
2375 \newcommand\NAT@Latin@citex{}
2376 \def\NAT@Latin@citex%
2377 [#1] [#2] #3{%
2378 \NAT@reset@parser
2379 \NAT@sort@cites{#3}%
2380 \NAT@reset@citea
2381 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2382 \@for\@citeb:=\NAT@cite@list\do
2383 {\@safe@activestrue
2384 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2385 \@safe@activesfalse
2386 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2387 {\reset@font\bfseries ?}\NAT@citeundefined
2388 \PackageWarning{natbib}%
2389 {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2390 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2391 \NAT@parse{\@citeb}%
2392 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2393 \let\NAT@name=\NAT@all@names
2394 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2395 \fi
2396 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2397 \let\NAT@nm\NAT@name\fi

```



```

2398 \ifNAT@swa\ifcase\NAT@ctype
2399 \if\relax\NAT@date\relax
2400 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2401 \else
2402 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2403 \ifx\NAT@last@yr\NAT@year
2404 \def\NAT@temp{?}%
2405 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2406 {Multiple citation on page \thepage: same authors and
2407 year\MessageBreak without distinguishing extra
2408 letter,\MessageBreak appears as question mark}\fi
2409 \NAT@hyper@{\NAT@exlab}%
2410 \else\unskip\NAT@spacechar
2411 \NAT@hyper@{\NAT@date}%
2412 \fi
2413 \else
2414 \@citea\NAT@hyper@{%
2415 \NAT@nmfmt{\NAT@nm}%
2416 \hyper@natlinkbreak{%
2417 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2418 }%
2419 \NAT@date
2420 }%
2421 \fi
2422 \fi
2423 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2424 \or\@citea\NAT@hyper@{\NAT@date}%
2425 \or\@citea\NAT@hyper@{\NAT@alias}%
2426 \fi \NAT@def@citea
2427 \else
2428 \ifcase\NAT@ctype
2429 \if\relax\NAT@date\relax
2430 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2431 \else
2432 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2433 \ifx\NAT@last@yr\NAT@year
2434 \def\NAT@temp{?}%
2435 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2436 {Multiple citation on page \thepage: same authors and
2437 year\MessageBreak without distinguishing extra
2438 letter,\MessageBreak appears as question mark}\fi
2439 \NAT@hyper@{\NAT@exlab}%
2440 \else
2441 \unskip\NAT@spacechar
2442 \NAT@hyper@{\NAT@date}%
2443 \fi
2444 \else
2445 \@citea\NAT@hyper@{%
2446 \NAT@nmfmt{\NAT@nm}%
2447 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%

```



```

2448         {\@citeb\@extra@b@citeb}%
2449         \NAT@date
2450     }%
2451     \fi
2452     \fi
2453     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2454     \or\@citea\NAT@hyper@{\NAT@date}%
2455     \or\@citea\NAT@hyper@{\NAT@alias}%
2456     \fi
2457     \if\relax\NAT@date\relax
2458         \NAT@def@citea
2459     \else
2460         \NAT@def@citea@close
2461     \fi
2462 \fi
2463 }}\ifNAT@swa\else\if#2*\else\NAT@cmt#2\fi
2464 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2465 \newcommand\NAT@Latin@citexnum{}
2466 \def\NAT@Latin@citexnum[#1][#2]#3{%
2467     \NAT@reset@parser
2468     \NAT@sort@cites{#3}%
2469     \NAT@reset@citea
2470     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2471     \@for\@citeb:=\NAT@cite@list\do
2472     {\@safe@activestrue
2473     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2474     \@safe@activesfalse
2475     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2476         {\reset@font\bfseries?}
2477         \NAT@citeundefined\PackageWarning{natbib}%
2478         {Citation `'\@citeb' on page \thepage \space undefined}}%
2479     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2480     \NAT@parse{\@citeb}%
2481     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2482         \let\NAT@name=\NAT@all@names
2483         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2484     \fi
2485     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2486         \let\NAT@nm\NAT@name\fi
2487     \ifNAT@swa
2488         \@ifnum{\NAT@ctype}>\@ne}{%
2489         \citea
2490     \NAT@hyper@{\@ifnum{\NAT@ctype}=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2491     }{%
2492     \@ifnum{\NAT@cmprs}>\z@}{%
2493     \NAT@ifcat@num\NAT@num
2494     {\let\NAT@nm=\NAT@num}%
2495     {\def\NAT@nm{-2}}%
2496     \NAT@ifcat@num\NAT@last@num
2497     {\@tempcnta=\NAT@last@num\relax}%

```



```

2498     {\@tempcnta\m@ne}%
2499     \@ifnum{\NAT@nm=\@tempcnta}{%
2500       \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2501     }{%
2502       \advance\@tempcnta by\@ne
2503       \@ifnum{\NAT@nm=\@tempcnta}{%
2504         \ifx\NAT@last@yr\relax
2505           \def\NAT@last@yr{\@citea}%
2506         \else
2507           \def\NAT@last@yr{--\NAT@penalty}%
2508         \fi
2509       }{%
2510         \NAT@last@yr@mbx
2511       }%
2512     }%
2513   }{%
2514     \@tempswatruel
2515     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2516       \if@tempswa\NAT@citea@mbx\fi
2517     }%
2518   }%
2519   \NAT@def@citea
2520 \else
2521   \ifcase\NAT@ctype
2522     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2523     \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbx{\NAT@super@kern\NAT@@open}%
2524     \fi
2525     \if*#1*\else#1\NAT@spacechar\fi
2526     \NAT@mbx{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2527     \NAT@def@citea@box
2528   \or
2529     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2530   \or
2531     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2532   \or
2533     \NAT@hyper@citea@space\NAT@alias
2534   \fi
2535 \fi
2536 }%
2537 }%
2538 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2539 \ifNAT@swa\else
2540   \@ifnum{\NAT@ctype=\z@}{%
2541     \if*#2*\else\NAT@cmt#2\fi
2542   }{%
2543     \NAT@mbx{\NAT@@close}%
2544   \fi
2545 }}{#1}{#2}%
2546 }%
2547 \AtBeginDocument{\NAT@set@cites}

```



```

2548 \DeclareRobustCommand\Latincite
2549     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2550     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2551 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2552     \ifNAT@numbers\else
2553     \NAT@swafalse
2554     \fi
2555     \NAT@@Latin@@citetp[]}}
2556 \newcommand\NAT@@Latin@@citetp{}
2557 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.43 packages-localise-xepersian.def

```

2558 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2559 color} \}{color} @\-localise-xepersian.def}}{}
2560 \@ifpackageloaded{multicol}{%
2561 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2562 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2563 }{}
2564 \@ifpackageloaded{verbatim}{%
2565 \begingroup
2566 \vrb@catcodes
2567 \lccode`!\=``\ \lccode`\[=``{\ \lccode``]=``}
2568 \catcode`~=\active \lccode`~=\^^M
2569 \lccode`C=``C
2570 \lowercase{\endgroup
2571 \def\xepersian@localize@verbatim@start#1{%
2572 \verbatim@startline
2573 \if\noexpand#1\noexpand~%
2574 \let\next\xepersian@localize@verbatim@
2575 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2576 \next}%
2577 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@#1! \@nil}%
2578 \def\xepersian@localize@verbatim@#1! {%
2579 \verbatim@addtoline{#1}%
2580 \futurelet\next\xepersian@localize@verbatim@@}%
2581 \def\xepersian@localize@verbatim@@#1\@nil{%
2582 \ifx\next\@nil
2583 \verbatim@processline
2584 \verbatim@startline
2585 \let\next\xepersian@localize@verbatim@
2586 \else
2587 \def\@tempa##1! \@nil{##1}%
2588 \@temptokena{! }%
2589 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2590 \fi \next}%
2591 \def\xepersian@localize@verbatim@test#1{%
2592 \let\next\xepersian@localize@verbatim@test
2593 \if\noexpand#1\noexpand~%
2594 \expandafter\verbatim@addtoline

```



```

2595         \expandafter{\the\@temptokena}%
2596         \verbatim@processline
2597         \verbatim@startline
2598         \let\next\xepersian@localize@verbatim@
2599     \else \if\noexpand#1
2600         \@temptokena\expandafter{\the\@temptokena#1}%
2601     \else \if\noexpand#1\noexpand[%
2602         \let\@tempc\@empty
2603         \let\next\xepersian@localize@verbatim@testend
2604     \else
2605         \expandafter\verbatim@addtoline
2606         \expandafter{\the\@temptokena}%
2607         \def\next{\xepersian@localize@verbatim@#1}%
2608     \fi\fi\fi
2609     \next}%
2610 \def\xepersian@localize@verbatim@testend#1{%
2611     \if\noexpand#1\noexpand~%
2612         \expandafter\verbatim@addtoline
2613         \expandafter{\the\@temptokena[]}%
2614         \expandafter\verbatim@addtoline
2615         \expandafter{\@tempc}%
2616         \verbatim@processline
2617         \verbatim@startline
2618         \let\next\xepersian@localize@verbatim@
2619     \else\if\noexpand#1\noexpand[%
2620         \let\next\xepersian@localize@verbatim@@testend
2621     \else\if\noexpand#1\noexpand!%
2622         \expandafter\verbatim@addtoline
2623         \expandafter{\the\@temptokena[]}%
2624         \expandafter\verbatim@addtoline
2625         \expandafter{\@tempc}%
2626         \def\next{\xepersian@localize@verbatim@!}%
2627     \else \expandafter\def\expandafter\@tempc\expandafter
2628         {\@tempc#1}\fi\fi\fi
2629     \next}%
2630 \def\xepersian@localize@verbatim@@testend{%
2631     \ifx\@tempc\@currentenv
2632         \verbatim@finish
2633         \edef\next{\noexpand\end{\@currentenv}}%
2634         \noexpand\xepersian@localize@verbatim@rescan{\@currentenv}}%
2635     \else
2636         \expandafter\verbatim@addtoline
2637         \expandafter{\the\@temptokena[]}%
2638         \expandafter\verbatim@addtoline
2639         \expandafter{\@tempc}}%
2640     \let\next\xepersian@localize@verbatim@
2641     \fi
2642     \next}%
2643 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2644     \@warning{Characters dropped after `string\end{#1}'}\fi}}%

```



```

2645 \def\      {\begingroup\@verbatim \frenchspacing\vobeyspaces
2646           \xepersian@localize@verbatim@start}
2647 \@namedef{   *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2648 \def\end    {\endtrivlist\endgroup\@doendpe}
2649 \expandafter\let\csname end      *\endcsname =\end
2650 }{}
2651 \ExplSyntaxOn
2652 \AtBeginDocument{
2653   \xepersian_localize_patch_verbatim:
2654 }
2655 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2656   \@ifpackageloaded{verbatim}{
2657     \cs_set:cpn {*      } }
2658     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2659   }
2660 }{
2661 }
2662 }
2663 \ExplSyntaxOff
2664 \@ifpackageloaded{graphicx}{%
2665 \def\Gin@boolkey#1#2{%
2666 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2667 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2668 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2669 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2670 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2671 \define@key{Grot}{origin}[c]{%
2672 \@tfor\@tempa:=#1\do{%
2673   \if l\@tempa \Grot@x\z@ \else
2674   \if tempa@ \Grot@x\z@ \else
2675   \if r\@tempa \Grot@x\width \else
2676   \if tempa@ \Grot@x\width \else
2677   \if t\@tempa \Grot@y\height \else
2678   \if tempa@ \Grot@y\height \else
2679   \if b\@tempa \Grot@y-\depth \else
2680   \if tempa@ \Grot@y-\depth \else
2681   \if B\@tempa \Grot@y\z@ \else
2682   \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2683 {draft}{ }{Gin} @ \
2684 {origin}{ }{Gin} @ \
2685 {origin}{ }{Grot} @ \
2686 {clip}{ }{Gin} @ \
2687 {keepaspectratio}{ }{Gin} @ \
2688 {natwidth}{ }{Gin} @ \
2689 {natheight}{ }{Gin} @ \
2690 {bb}{ }{Gin} @ \
2691 {viewport}{ }{Gin} @ \
2692 {trim}{ }{Gin} @ \
2693 {angle}{ }{Gin} @ \
2694 {width}{ }{Gin} @ \

```



```

2695 {height}{ }{Gin} @ \
2696 {totalheight}{ }{Gin} @ \
2697 {scale}{ }{Gin} @ \
2698 {type}{ }{Gin} @ \
2699 {ext}{ }{Gin} @ \
2700 {read}{ }{Gin} @ \
2701 {command}{ }{Gin} @ \
2702 {x}{ }{Grot} @ \
2703 {y}{ }{Grot} @ \
2704 {units}{ }{Grot} @ \
2705 {}{}

```

7.44 parsidigits.map

```

2706 LHSName "Digits"
2707 RHSName "ParsiDigits"
2708
2709 pass(Unicode)
2710 U+0030 <> U+06F0 ;
2711 U+0031 <> U+06F1 ;
2712 U+0032 <> U+06F2 ;
2713 U+0033 <> U+06F3 ;
2714 U+0034 <> U+06F4 ;
2715 U+0035 <> U+06F5 ;
2716 U+0036 <> U+06F6 ;
2717 U+0037 <> U+06F7 ;
2718 U+0038 <> U+06F8 ;
2719 U+0039 <> U+06F9 ;
2720
2721
2722 U+002C <> U+060C ; comma > arabic comma
2723 U+003F <> U+061F ; question mark -> arabic qm
2724 U+003B <> U+061B ; semicolon -> arabic semicolon
2725
2726 ; ligatures from Knuth's original CMR fonts
2727 U+002D U+002D <> U+2013 ; -- -> en dash
2728 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2729
2730 U+0027 <> U+2019 ; ' -> right single quote
2731 U+0027 U+0027 <> U+201D ; '' -> right double quote
2732 U+0022 > U+201D ; " -> right double quote
2733
2734 U+0060 <> U+2018 ; ` -> left single quote
2735 U+0060 U+0060 <> U+201C ; `` -> left double quote
2736
2737 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2738 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2739
2740 ; additions supported in T1 encoding
2741 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK

```



```
2742 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2743 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

7.45 rapport1-xepersian.def

```
2744 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2745 \renewcommand*\thepart{\@tartibi\c@part}
2746 \renewcommand*\appendix{\par
2747   \setcounter{chapter}{0}%
2748   \setcounter{section}{0}%
2749   \gdef\@chapapp{\appendixname}%
2750   \gdef\thechapter{\@harfi\c@chapter}}
```

7.46 rapport3-xepersian.def

```
2751 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2752 \renewcommand*\thepart{\@tartibi\c@part}
2753 \renewcommand*\appendix{\par
2754   \setcounter{chapter}{0}%
2755   \setcounter{section}{0}%
2756   \gdef\@chapapp{\appendixname}%
2757   \gdef\thechapter{\@harfi\c@chapter}}
```

7.47 refrep-xepersian.def

```
2758 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2759 \renewcommand \thepart {\@tartibi\c@part}
2760 \renewcommand\appendix{\par
2761   \setcounter{chapter}{0}%
2762   \setcounter{section}{0}%
2763   \gdef\@chapapp{\appendixname}%
2764   \gdef\thechapter{\@harfi\c@chapter}
2765 }%end appendix
```

7.48 report-xepersian.def

```
2766 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2767 \renewcommand \thepart {\@tartibi\c@part}
2768 \renewcommand\appendix{\par
2769   \setcounter{chapter}{0}%
2770   \setcounter{section}{0}%
2771   \gdef\@chapapp{\appendixname}%
2772   \gdef\thechapter{\@harfi\c@chapter}
2773 }%end appendix
```

7.49 scrartcl-xepersian.def

```
2774 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2775 \renewcommand*\thepart{\@tartibi\c@part}
2776 \renewcommand*\appendix{\par%
2777   \setcounter{section}{0}%
2778   \setcounter{subsection}{0}%
2779   \gdef\thesection{\@harfi\c@section}%
```



```

2780 \csname appendixmore\endcsname
2781 }
2782 \renewcommand*{\@@maybeautodot}[1]{%
2783 \ifx #1\@stop\let\@@maybeautodot\relax
2784 \else
2785 \ifx #1\harfi \@autodottrue\fi
2786 \ifx #1\adadi \@autodottrue\fi
2787 \ifx #1\tartibi \@autodottrue\fi
2788 \ifx #1\Alph \@autodottrue\fi
2789 \ifx #1\alph \@autodottrue\fi
2790 \ifx #1\Roman \@autodottrue\fi
2791 \ifx #1\roman \@autodottrue\fi
2792 \ifx #1\@harfi \@autodottrue\fi
2793 \ifx #1\@adadi \@autodottrue\fi
2794 \ifx #1\@tartibi \@autodottrue\fi
2795 \ifx #1\@Alph \@autodottrue\fi
2796 \ifx #1\@alph \@autodottrue\fi
2797 \ifx #1\@Roman \@autodottrue\fi
2798 \ifx #1\@roman \@autodottrue\fi
2799 \ifx #1\romannumeral \@autodottrue\fi
2800 \fi
2801 \@@maybeautodot
2802 }

```

7.50 scrbook-xepersian.def

```

2803 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2804 \renewcommand*\frontmatter{%
2805 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2806 \@mainmatterfalse\pagenumbering{harfi}%
2807 }
2808 \renewcommand*\thepart{\@tartibi\c@part}
2809 \renewcommand*\appendix{\par%
2810 \setcounter{chapter}{0}%
2811 \setcounter{section}{0}%
2812 \gdef\@chapapp{\appendixname}%
2813 \gdef\thechapter{\@harfi\c@chapter}%
2814 \csname appendixmore\endcsname
2815 }
2816 \renewcommand*{\@@maybeautodot}[1]{%
2817 \ifx #1\@stop\let\@@maybeautodot\relax
2818 \else
2819 \ifx #1\harfi \@autodottrue\fi
2820 \ifx #1\adadi \@autodottrue\fi
2821 \ifx #1\tartibi \@autodottrue\fi
2822 \ifx #1\Alph \@autodottrue\fi
2823 \ifx #1\alph \@autodottrue\fi
2824 \ifx #1\Roman \@autodottrue\fi
2825 \ifx #1\roman \@autodottrue\fi
2826 \ifx #1\@harfi \@autodottrue\fi

```



```

2827 \ifx #1\@adadi \@autodottrue\fi
2828 \ifx #1\@tartibi \@autodottrue\fi
2829 \ifx #1\@Alph \@autodottrue\fi
2830 \ifx #1\@alph \@autodottrue\fi
2831 \ifx #1\@Roman \@autodottrue\fi
2832 \ifx #1\@roman \@autodottrue\fi
2833 \ifx #1\romannumeral \@autodottrue\fi
2834 \fi
2835 \@@maybeautodot
2836 }

```

7.51 scrreprt-xepersian.def

```

2837 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2838 \renewcommand*{\thepart}{\@tartibi\c@part}
2839 \renewcommand*{\appendix}{\par%
2840 \setcounter{chapter}{0}%
2841 \setcounter{section}{0}%
2842 \gdef\@chapapp{\appendixname}%
2843 \gdef\thechapter{\@harfi\c@chapter}%
2844 \csname appendixmore\endcsname
2845 }
2846 \renewcommand*{\@@maybeautodot}[1]{%
2847 \ifx #1\@stop\let\@@maybeautodot\relax
2848 \else
2849 \ifx #1\harfi \@autodottrue\fi
2850 \ifx #1\adadi \@autodottrue\fi
2851 \ifx #1\tartibi \@autodottrue\fi
2852 \ifx #1\Alph \@autodottrue\fi
2853 \ifx #1\alph \@autodottrue\fi
2854 \ifx #1\Roman \@autodottrue\fi
2855 \ifx #1\roman \@autodottrue\fi
2856 \ifx #1\@harfi \@autodottrue\fi
2857 \ifx #1\@adadi \@autodottrue\fi
2858 \ifx #1\@tartibi \@autodottrue\fi
2859 \ifx #1\@Alph \@autodottrue\fi
2860 \ifx #1\@alph \@autodottrue\fi
2861 \ifx #1\@Roman \@autodottrue\fi
2862 \ifx #1\@roman \@autodottrue\fi
2863 \ifx #1\romannumeral \@autodottrue\fi
2864 \fi
2865 \@@maybeautodot
2866 }

```

7.52 soul-xepersian.def

```

2867 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2868 \let\SOUL@tt\relax
2869 \newfontface{\SOUL@tt}{Times New Roman}

```

7.53 tkz-linknodes-xepersian.def



```

2870 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2871 \renewcommand*{\@SetTab}{%
2872 \let\@alph\@latalph%
2873 \ifnum \value{C@NumTab}>25\relax%
2874 \setcounter{C@NumTab}{1}%
2875 \else%
2876 \stepcounter{C@NumTab}%
2877 \fi%
2878 \setcounter{C@NumGroup}{0}%
2879 \newcommand*\PrefixCurrentTab{\alph{C@NumTab}}
2880 \setboolean{B@FirstLink}{true}
2881 \setboolean{B@NewGroup}{false}
2882 \setcounter{C@NumGroup}{0}
2883 \setcounter{C@CurrentGroup}{0}
2884 \setcounter{NumC@Node}{0}
2885 \setcounter{NumC@Stop}{0}
2886 \setcounter{C@NextNode}{0}
2887 \setcounter{C@CurrentStop}{0}
2888 \setcounter{C@CurrentNode}{0}
2889 }%

```

7.54 tocloft-xepersian.def

```

2890 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2891 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2892 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2893 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2894 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2895 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2896 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2897 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2898 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2899 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2900 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.55 xepersian.sty

```

2901 \NeedsTeXFormat{LaTeX2e}
2902 \def\xepersianversion{v16.4}
2903 \def\xepersiandate{2015/12/07}
2904 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2905 Persian typesetting in XeLaTeX]
2906 \RequirePackage{fontspec}
2907 \RequirePackage{xepersian-persiancal}
2908 \RequirePackage{xepersian-mathsdigitspec}
2909 \RequirePackage{bidi}
2910 \edef\@xepersian@info{*****~J%
2911 * ~J%
2912 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2913 * ~J%
2914 * Description: The package supports Persian~J%

```



```

2915 * typesetting, using fonts provided in the^^J%
2916 * distribution.^^J%
2917 * ^^J%
2918 * Copyright (c) 2008--2015 Vafa Khalighi^^J%
2919 * ^^J%
2920 * \xepersianversion, \xepersiandate^^J%
2921 * ^^J%
2922 * License: LaTeX Project Public License, version^^J%
2923 * 1.3c or higher (your choice)^^J%
2924 * ^^J%
2925 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2926 * ^^J%
2927 * Issue tracker: https://github.com/persian-tex/xepersian/issues^^J%
2928 * ^^J%
2929 * Support: persian-tex@tug.org^^J%
2930 *****}
2931 \typeout{\@xepersian@info}
2932 \edef\xepersian@everyjob{\the\everyjob}
2933 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2934 \def\prq{«}
2935 \def\plq{»}
2936 \def\xepersian@cmds@temp#1{%
2937   \begingroup\expandafter\expandafter\expandafter\endgroup
2938   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2939     \begingroup
2940       \escapechar=-1 %
2941       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2942       \def\y{#1}%
2943       \def\z##1->{%}
2944       \edef\y{\expandafter\z\meaning\y}%
2945       \expandafter\endgroup
2946       \ifx\x\y
2947         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2948         \expandafter{%
2949           \csname#1\endcsname
2950         }%
2951       \fi
2952     \fi
2953 }%
2954 \xepersian@cmds@temp{shellescape}
2955 \newif\ifwritexviii
2956 \ifnum\xepersian@shellescape=1\relax
2957   \writexviiitrue
2958 \else
2959   \writexviiiifalse
2960 \fi
2961 \newfontscript{Parsi}{arab}
2962 \newfontlanguage{Parsi}{FAR}
2963 \ExplSyntaxOn
2964 \DeclareDocumentCommand \settextfont { o m }

```



```

2965 { \_fontspec_pass_args:nnn \_xepersian_settextfont:nn {#1} {#2} }
2966
2967 \cs_new:Nn \_xepersian_settextfont:nn
2968 {
2969   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont _family } {Script=Parsi,Language=Parsi}
2970   \use:x
2971   {
2972     \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
2973     {
2974       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2975       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} } \exp_not:N \selectfont
2976     }
2977   }
2978   \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
2979   \normalfont
2980 }
2981 \DeclareDocumentCommand \setlatintextfont { o m }
2982 { \_fontspec_pass_args:nnn \_xepersian_setlatintextfont:nn {#1} {#2} }
2983
2984 \cs_new:Nn \_xepersian_setlatintextfont:nn
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 \selectfont
2993     }
2994   }
2995 }
2996 \cs_set_eq:NN \setlatinsansfont \setsansfont
2997 \cs_set_eq:NN \setlatinmonofont \setmonofont
2998 \DeclareDocumentCommand \defpersianfont { m o m }
2999 { \_fontspec_pass_args:nnn { \_xepersian_defpersianfont:Nnn #1 } {#2} {#3} }
3000
3001 \cs_new:Nn \_xepersian_defpersianfont:Nnn
3002 {
3003   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi}
3004   \use:x
3005   {
3006     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3007     {
3008       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3009       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3010     }
3011   }
3012 }
3013 \DeclareDocumentCommand \deflatinfont { m o m }
3014 { \_fontspec_pass_args:nnn { \_xepersian_deflatinfont:Nnn #1 } {#2} {#3} }

```



```

3015
3016 \cs_new:Nn \__xepersian_deflatinfont:Nnn
3017 {
3018   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2} {#3}
3019   \use:x
3020   {
3021     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3022     {
3023       \exp_not:N \fontencoding {g__fontspec_encoding_tl}
3024       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3025     }
3026   }
3027 }
3028 \newcommand\persiansfdefault{}
3029 \newcommand\persianttdefault{}
3030 \newcommand\iranicsfdefault{}
3031 \newcommand\navarsfdefault{}
3032 \newcommand\pooksfdefault{}
3033 \newcommand\sayehsfdefault{}
3034 \DeclareRobustCommand\persiansffamily
3035   {\not@math@alphabet\persiansffamily\mathpersiansf
3036   \fontfamily\persiansfdefault\selectfont}
3037 \DeclareRobustCommand\persiantttfamily
3038   {\not@math@alphabet\persiantttfamily\mathpersiantt
3039   \fontfamily\persianttdefault\selectfont}
3040 \DeclareRobustCommand\iranicsffamily
3041   {\not@math@alphabet\iranicsffamily\mathiranicsf
3042   \fontfamily\iranicsfdefault\selectfont}
3043 \DeclareRobustCommand\navarsffamily
3044   {\not@math@alphabet\navarsffamily\mathnavarsf
3045   \fontfamily\navarsfdefault\selectfont}
3046 \DeclareRobustCommand\pooksffamily
3047   {\not@math@alphabet\pooksffamily\mathpooksf
3048   \fontfamily\pooksfdefault\selectfont}
3049 \DeclareRobustCommand\sayehsfamily
3050   {\not@math@alphabet\sayehsfamily\mathsayehsf
3051   \fontfamily\sayehsfdefault\selectfont}
3052 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3053 \DeclareTextFontCommand{\textpersiantt}{\persiantttfamily}
3054 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
3055 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
3056 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
3057 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
3058 \DeclareDocumentCommand \setpersiansansfont { o m }
3059 { \__fontspec_pass_args:nnn \__xepersian_setpersiansansfont:nn {#1} {#2} }
3060
3061 \cs_new:Nn \__xepersian_setpersiansansfont:nn
3062 {
3063   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3064   \normalfont

```



```

3065 \ignorespaces
3066 }
3067 \DeclareDocumentCommand \setpersianmonofont { o m }
3068 { \_\_fontspec_pass_args:nnn \_\_xepersian_setpersianmonofont:nn {#1} {#2} }
3069
3070 \cs_new:Nn \_\_xepersian_setpersianmonofont:nn
3071 {
3072 \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3073 \normalfont
3074 \ignorespaces
3075 }
3076 \DeclareDocumentCommand \setnavarfont { o m }
3077 { \_\_fontspec_pass_args:nnn \_\_xepersian_setnavarfont:nn {#1} {#2} }
3078
3079 \cs_new:Nn \_\_xepersian_setnavarfont:nn
3080 {
3081 \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3082 \normalfont
3083 \ignorespaces
3084 }
3085 \DeclareDocumentCommand \setpookfont { o m }
3086 { \_\_fontspec_pass_args:nnn \_\_xepersian_setpookfont:nn {#1} {#2} }
3087
3088 \cs_new:Nn \_\_xepersian_setpookfont:nn
3089 {
3090 \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2
3091 \normalfont
3092 \ignorespaces
3093 }
3094 \DeclareDocumentCommand \setsayehfont { o m }
3095 { \_\_fontspec_pass_args:nnn \_\_xepersian_setsayehfont:nn {#1} {#2} }
3096
3097 \cs_new:Nn \_\_xepersian_setsayehfont:nn
3098 {
3099 \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3100 \normalfont
3101 \ignorespaces
3102 }
3103 \DeclareDocumentCommand \setiraniconfont { o m }
3104 { \_\_fontspec_pass_args:nnn \_\_xepersian_setiraniconfont:nn {#1} {#2} }
3105
3106 \cs_new:Nn \_\_xepersian_setiraniconfont:nn
3107 {
3108 \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{
3109 \normalfont
3110 \ignorespaces
3111 }
3112 \ExplSyntaxOff
3113 \def\resetlatinfont{%
3114 \let\normalfont\latinfont%

```



```

3115 \let\reset@font\normalfont%
3116 \latinfont}
3117 \def\setpersianfont{%
3118 \let\normalfont\persianfont%
3119 \let\reset@font\normalfont%
3120 \persianfont}
3121 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3122 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3123 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3124 \def\endlatin{\endLTR}
3125 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3126 \def\endpersian{\endRTL}
3127 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3128 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}\end{persianfont}}
3129 \let\originaltoday=\today
3130 \def\latintoday{\lr{\originaltoday}}
3131 \def\today{\rl{\persiantoday}}
3132 \def\@LTRmarginparreset{%
3133     \reset@font
3134     \latinfont
3135     \normalsize
3136     \@minipagetrue
3137     \everypar{\@minipagefalse\everypar{\beginL}}%
3138 }
3139 \DeclareRobustCommand\Latincite{%
3140 \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3141 \def\@Latincitex[#1]#2{\leavevmode
3142 \let\@citea\@empty
3143 \@cite{\lr{\@for\@citeb:=#2\do
3144 {\@citea\def\@citea{,\penalty\@m } }%
3145 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3146 \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3147 \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3148 \G@refundefinedtrue
3149 \@latex@warning
3150 {Citation `@\@citeb' on page \thepage \space undefined}}%
3151 {\@cite@ofmt{\csname b@\@citeb\endcsname}}}{#1}}
3152 \def\@outputpage{%
3153 \begingroup % the \endgroup is put in by \aftergroup
3154 \let\protect\noexpand
3155 \@resetactivechars
3156 \global\let\@if@newlist\if@newlist
3157 \global\@newlistfalse
3158 \@parboxrestore
3159 \shipout\vbox{%
3160 \set@typeset@protect
3161 \aftergroup\endgroup
3162 \aftergroup\set@typeset@protect
3163 % correct? or just restore by ending
3164 % the group?

```



```

3165 \if@specialpage
3166   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3167 \fi
3168 \if@twoside
3169   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3170     \let\@themargin\oddsidemargin
3171   \else \let\@thehead\@evenhead
3172     \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3173 \fi
3174 \ifx\@thehead\@empty \let\@thehead\hfil \fi
3175 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3176 \else %% not @twoside
3177 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3178 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3179 \fi
3180 \reset@font
3181 \normalsize
3182 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3183 \normalsfcodes
3184 \let\label\@gobble
3185 \let\index\@gobble
3186 \let\glossary\@gobble
3187 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3188 \begin@indvi
3189 \vskip \topmargin
3190 \moveright\@themargin \vbox {%
3191   \setbox\@tempboxa \vbox to\headheight{%
3192     \vfil
3193     \color@hbox
3194     \normalcolor
3195     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3196     \color@endbox
3197     }%
3198     \dp\@tempboxa \z@
3199     \box\@tempboxa
3200     \vskip \headsep
3201     \box\@outputbox
3202     \baselineskip \footskip
3203     \color@hbox
3204     \normalcolor
3205     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3206     \color@endbox
3207     }%
3208     }%
3209 \global\let\if@newlist\@if@newlist
3210 \global \colht \textheight
3211 \stepcounter{page}%
3212 \let\firstmark\botmark
3213 }
3214 \newcommand\twocolumnstableofcontents{%

```



```

3215 \@ifpackageloaded{multicol}{%
3216   \begin{multicols}{2}[\section*{\contentsname}]%
3217     \small
3218     \@starttoc{toc}%
3219   \end{multicols}}
3220 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for be

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

```



```

3264 \def\xepersian@numberoutofrange#1#2{%
3265 \PackageError{xepersian}{The number `#1' is too large %
3266 to be formatted using xepersian}{The largest possible %
3267 number is 999,999,999.}%
3268 }
3269 \def\xepersian@numberstring#1#2#3#4{%
3270 \ifnum\number#1<\@ne%
3271 #3%
3272 \else\ifnum\number#1<1000000000 %
3273 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3274 \else%
3275 \xepersian@numberoutofrange{#1}{#4}%
3276 \fi\fi%
3277 }
3278 \def\xepersian@adadi#1#2{%
3279 \expandafter\xepersian@@adadi%
3280 \ifcase%
3281 \ifnum#1<10 1%
3282 \else\ifnum#1<100 2%
3283 \else\ifnum#1<\@m 3%
3284 \else\ifnum#1<\@M 4%
3285 \else\ifnum#1<100000 5%
3286 \else\ifnum#1<1000000 6%
3287 \else\ifnum#1<10000000 7%
3288 \else\ifnum#1<100000000 8%
3289 \else9%
3290 \fi\fi\fi\fi\fi\fi\fi\fi %
3291 \or00000000#1% case 1: Add 8 leading zeros
3292 \or0000000#1% case 2: Add 7 leading zeros
3293 \or000000#1% case 3: Add 6 leading zeros
3294 \or00000#1% case 4: Add 5 leading zeros
3295 \or0000#1% case 5: Add 4 leading zeros
3296 \or000#1% case 6: Add 3 leading zeros
3297 \or00#1% case 7: Add 2 leading zeros
3298 \or0#1% case 8: Add 1 leading zero
3299 \or#1% case 9: Add no leading zeros
3300 \or%
3301 \@nil#2%
3302 \fi%
3303 }
3304 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3305 \ifnum#1#2#3>\z@
3306 \xepersian@milyoongan#1#2#3%
3307 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3308 \fi%
3309 \ifnum#4#5#6>\z@%
3310 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3311 \ifnum#4#5#6>\@ne\fi%
3312 %
3313 \ifnum#7>\z@\ \fi%

```



```

3314 \fi%
3315 \xepersian@sadgan#7{#4#5#6}1#9%
3316 }
3317 \def\xepersian@milyoongan#1#2#3{%
3318 \ifnum#1#2#3=\@ne%
3319 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3320 %
3321 %
3322 \else%
3323 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3324 %
3325 %
3326 \fi%
3327 }
3328 \def\xepersian@sadgan#1#2#3#4#5#6{%
3329 \ifnum#1>\z@%
3330 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3331 %
3332 \ifnum#2#3>\z@\ \fi%
3333 \fi%
3334 \ifnum#2#3<20%
3335 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3336 \else%
3337 \xepersian@dahgan#2%
3338 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3339 #60%
3340 \fi%
3341 }
3342 \def\xepersian@yekani#1{%
3343 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3344 \or or\ or\ or\ or\ or\ or\ %
3345 \or or\ or\ or\ %
3346 \or or\ %fi\
3347 }
3348 \def\xepersian@yekanii#1{%
3349 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3350 }
3351 \def\xepersian@yekanii#1{%
3352 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3353 }
3354 \def\xepersian@yekaniv#1{%
3355 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3356 \or or\ or\ %fi\
3357 }
3358 \def\xepersian@dahgan#1{%
3359 \ifcase#1\or\or or\ or\ %
3360 \or or\ or\ or\ %
3361 \or %fi\
3362 }
3363 \newcommand{\tartibi}[1]{%

```



```

3364 \expandafter\@tartibi\csname c@#1\endcsname%
3365 }
3366 \newcommand{\@tartibi}[1]{%
3367 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3368 }
3369 \let\tartibinumeral\@tartibi%
3370 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3371 \ifnum\number#1<\@ne%
3372 #3%
3373 \else\ifnum\number#1<1000000000 %
3374 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3375 \else%
3376 \xepersian@numberoutofrange{#1}#{#4}%
3377 \fi\fi%
3378 }
3379 \def\xepersian@adadi@tartibi#1#2{%
3380 \expandafter\xepersian@@adadi@tartibi%
3381 \ifcase%
3382 \ifnum#1<10 1%
3383 \else\ifnum#1<100 2%
3384 \else\ifnum#1<\@m 3%
3385 \else\ifnum#1<\@M 4%
3386 \else\ifnum#1<100000 5%
3387 \else\ifnum#1<1000000 6%
3388 \else\ifnum#1<10000000 7%
3389 \else\ifnum#1<100000000 8%
3390 \else9%
3391 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3392 \or00000000#1% case 1: Add 8 leading zeros
3393 \or0000000#1% case 2: Add 7 leading zeros
3394 \or000000#1% case 3: Add 6 leading zeros
3395 \or00000#1% case 4: Add 5 leading zeros
3396 \or0000#1% case 5: Add 4 leading zeros
3397 \or000#1% case 6: Add 3 leading zeros
3398 \or00#1% case 7: Add 2 leading zeros
3399 \or0#1% case 8: Add 1 leading zero
3400 \or#1% case 9: Add no leading zeros
3401 \or%
3402 \@nil#2%
3403 \fi%
3404 }
3405 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3406 \ifnum#1#2#3>\z@
3407 \xepersian@milyoongan@tartibi#1#2#3%
3408 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3409 \fi%
3410 \ifnum#4#5#6>\z@%
3411 \xepersian@sadgan#4#5#6{#1#2#3}#{#4#5}\xepersian@yekani%
3412 \ifnum#4#5#6>\@ne \fi%
3413 %

```



```

3414 \ifnum#7>\z@ \fi%
3415 \fi%
3416 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3417 }
3418 \def\xepersian@milyoongan@tartibi#1#2#3{%
3419 \ifnum#1#2#3=\@ne%
3420 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3421 %
3422 %
3423 \else%
3424 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3425 %
3426 %
3427 \fi%
3428 }
3429 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3430 \ifnum#1>\z@%
3431 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3432 %
3433 \ifnum#2#3>\z@ \fi%
3434 \fi%
3435 \ifnum#2#3<20%
3436 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3437 \else%
3438 \xepersian@dahgan#2%
3439 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3440 #60%
3441 \fi%
3442 }
3443 \def\xepersian@tartibi#1{%
3444 \ifcase#1 \or or\ or\ or\ %
3445 \or or\ or\ or\ or\ %
3446 \or or\ or\ or\ %
3447 \or or\ or\ %
3448 \or or\ or\ %fi\
3449 }
3450 \def\xepersian@yekanv#1{%
3451 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3452 \or or\ or\ or\ or\ or\ or\ %
3453 \or or\ or\ or\ %
3454 \or or\ %fi\
3455 }
3456 \providecommand*\xpg@warning}[1]{%
3457 \PackageWarning{XePersian}%
3458 {#1}}
3459 \if@bidi@csundef{@abjad}{%
3460 \def\@abjad#1{%
3461 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3462 \else
3463 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%

```



```

3464 \else
3465 \ifnum#1<10\expandafter\abj@num@i\number#1%
3466 \else
3467 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3468 \else
3469 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3470 \else
3471 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3472 \fi
3473 \fi
3474 \fi
3475 \fi
3476 \fi
3477 \fi
3478 }
3479 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3480 \let\abjadnumeral\@abjad
3481 \def\abjad@zero{}
3482 \def\abj@num@i#1{%
3483 \ifcase#1\or or\ or\ or\ %
3484 \or or\ or\ or\ or\ fi\
3485 \ifnum#1=\z@\abjad@zero\fi}
3486 \def\abj@num@ii#1{%
3487 \ifcase#1\or or\ or\ or\ or\ %
3488 \or or\ or\ or\ or\ fi\
3489 \ifnum#1=\z@\fi\abj@num@i}
3490 \def\abj@num@iii#1{%
3491 \ifcase#1\or or\ or\ or\ or\ %
3492 \or or\ or\ or\ or\ fi\
3493 \ifnum#1=\z@\fi\abj@num@ii}
3494 \def\abj@num@iv#1{%
3495 \ifcase#1\or fi\
3496 \ifnum#1=\z@\fi\abj@num@iii}
3497 }{}
3498 \let\@latalph\@alph%
3499 \let\@latinAlph\@Alph%
3500 \def\LatinAlphs{%
3501 \let\@alph\@latalph%
3502 \let\@Alph\@latinAlph%
3503 }
3504 \bidi@AfterEndPreamble{%
3505 \if@bidi@csundef{persianfont}{%
3506 \PackageError{xepersian}{You have not specified any font\MessageBreak
3507 for the main Persian text}{Use '\settextfont' to load a font.}%
3508 }{}}
3509 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3510 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3511 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3512 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3513 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}

```



```

3514 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3515 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3516 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{\input{footnote-
3517 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3518 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3519 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3520 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3521 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3522 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3523 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3524 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3525 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3526 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}}{\input{
3527 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3528 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3529 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3530 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3531 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3532 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3533 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3534 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3535 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3536 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3537 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3538 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3539 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3540 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3541 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3542 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3543 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3544 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3545 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3546 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3547 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3548 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3549 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3550 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3551 \ifcase\xepersian@tempb\relax
3552 \AutoMathsDigits
3553 \or
3554 \DefaultMathsDigits
3555 \or
3556 \PersianMathsDigits
3557 \fi}
3558 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3559 \ifcase\xepersian@tempb\relax
3560 \RTLtrue
3561 \or
3562 \RTLfalse
3563 \fi}

```



```

3564 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3565   \ifcase\xepersian@tempb\relax
3566     \@RTLtrue
3567   \or
3568     \@RTLfalse
3569   \fi}
3570 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3571   \ifcase\xepersian@tempb\relax
3572     \autofootnoterule
3573   \or
3574     \leftfootnoterule
3575   \or
3576     \rightfootnoterule
3577   \or
3578     \SplitFootnoteRule
3579   \or
3580     \textwidthfootnoterule
3581   \fi}
3582 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
3583   \ifcase\xepersian@tempb\relax
3584     \@RTL@footnotetrue
3585   \or
3586     \@RTL@footnotefalse
3587   \fi}
3588 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3589   \ifcase\xepersian@tempb\relax
3590     \footdir@debugtrue
3591   \or
3592     \footdir@debugfalse
3593   \fi}
3594 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3595   \ifcase\xepersian@tempb\relax
3596     \input{kashida-xepersian.def}
3597   \fi}
3598 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3599   \ifcase\xepersian@tempb\relax
3600     \input{localise-xepersian.def}
3601   \fi}
3602 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,
3603   \ifcase\xepersian@tempb\relax
3604     \@extrafootnotefeaturestrue
3605   \or
3606     \@extrafootnotefeaturesfalse
3607   \fi}
3608 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3609   \ifcase\xepersian@tempb\relax
3610     \PackageWarning{xepersian}{Obsolete option}%
3611     \ifwritexviii%
3612     \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3613     \renewcommand\printindex{\newpage%

```



```

3614     \immediate\closeout\@indexfile
3615     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3616     \@input@{\jobname.ind}}}%
3617     \else
3618     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex"
3619     \fi
3620 \fi}
3621 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
3622 \ifcase\xepersian@tempb\relax
3623     \ifwritexviii%
3624     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3625     \renewcommand\printindex{\newpage%
3626     \immediate\closeout\@indexfile
3627     \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3628     \@input@{\jobname.ind}}}%
3629     \else
3630     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex"
3631     \fi
3632 \fi}
3633 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3634 \ifcase\xepersian@tempb\relax
3635     \ifwritexviii%
3636     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3637     \renewcommand\printindex{\newpage%
3638     \immediate\closeout\@indexfile
3639     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3640     \@input@{\jobname.ind}}}%
3641     \else
3642     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex"
3643     \fi
3644 \fi}
3645 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3646 \ifcase\xepersian@tempb\relax
3647     \def\PersianAlphs{%
3648     \let\@alph\@abjad%
3649     \let\@Alph\@abjad%
3650     }
3651 \or
3652     \def\PersianAlphs{%
3653     \let\@alph\@Abjad%
3654     \let\@Alph\@Abjad%
3655     }
3656 \fi}
3657 \DeclareOptionX{defaultlatinfontfeatures}{%
3658 \defaultfontfeatures
3659 [\latinfont]
3660 {#1}
3661 }
3662
3663 \ExecuteOptionsX{%

```



```

3664 RTLdocument=on,
3665 footnotedirection=righttoleft,
3666 footnoterule=automatic,
3667 abjadvariant=two
3668 }
3669
3670 \ProcessOptionsX
3671
3672 \if@extrafootnotefeatures
3673 \input{extrafootnotefeatures-xetex-bidi.def}
3674 \input{extrafootnotefeatures-xepersian.def}
3675 \fi
3676
3677 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3678 \PersianAlphs

```

7.56 xepersian-magazine.cls

```

3679 \NeedsTeXFormat{LaTeX2e}
3680 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3681 \RequirePackage{ifthen}
3682 \newlength{\xepersian@imgsize}
3683 \newlength{\xepersian@coltitsize}
3684 \newlength{\xepersian@pageneed}
3685 \newlength{\xepersian@pageleft}
3686 \newlength{\xepersian@indexwidth}
3687 \newcommand{\xepersian@ncolumns}{0}
3688 \newlength{\columnlines}
3689 \setlength{\columnlines}{0 pt} % no lines by default
3690 \newboolean{xepersian@hyphenatedtitles}
3691 \setboolean{xepersian@hyphenatedtitles}{true}
3692 \newboolean{xepersian@ninepoints}
3693 \setboolean{xepersian@ninepoints}{false}
3694 \newboolean{xepersian@showgrid}
3695 \setboolean{xepersian@showgrid}{false}
3696 \newboolean{xepersian@a3paper}
3697 \setboolean{xepersian@a3paper}{false}
3698 \newboolean{xepersian@insidefrontpage}
3699 \setboolean{xepersian@insidefrontpage}{false}
3700 \newboolean{xepersian@insideweather}
3701 \setboolean{xepersian@insideweather}{false}
3702 \newboolean{xepersian@insideindex}
3703 \setboolean{xepersian@insideindex}{false}
3704 \newcount\xepersian@gridrows
3705 \newcount\xepersian@gridcolumns
3706 \xepersian@gridrows=40
3707 \xepersian@gridcolumns=50
3708 \newcount\minraggedcols
3709 \minraggedcols=5
3710 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}

```



```

3711 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3712 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3713 \DeclareOption{twocolumn}%
3714 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3715 \DeclareOption{notitlepage}%
3716 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3717 \DeclareOption{twoside}%
3718 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3719 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3720 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3721 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3722 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3723 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3724 \ProcessOptions\relax
3725 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3726 \RequirePackage{ifxetex}
3727 \RequirePackage{multido}
3728 \RequirePackage{datettime}
3729 \RequirePackage{multicol}
3730 \RequirePackage{fancyhdr}
3731 \RequirePackage{fancybox}
3732 \ifthenelse{\boolean{xepersian@a3paper}}{%
3733 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3734 }{
3735 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3736 }
3737 \RequirePackage[absolute]{textpos} % absolute positioning
3738 \RequirePackage{hyphenat} % when hyphenate
3739 \RequirePackage{lastpage} % to know the last page number
3740 \RequirePackage{setspace} % set space between lines
3741 \RequirePackage{ragged2e}
3742 \newcommand{\raggedFormat}{\RaggedLeft}
3743 \AtEndOfClass{\xepersianInit}
3744 \ifthenelse{\boolean{xepersian@showgrid}}{%
3745 \AtBeginDocument{
3746 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3747 \advance\minraggedcols by -1
3748 }{%
3749 \AtBeginDocument{
3750 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3751 \advance\minraggedcols by -1
3752 }
3753 \ifthenelse{\boolean{xepersian@ninepoints}}{
3754 \renewcommand{\normalsize}{%
3755 \@setfontsize{\normalsize}{9pt}{10pt}%
3756 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3757 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3758 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3759 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3760

```



```

3761 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3762
3763 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3764
3765 \renewcommand{\small}{\%
3766   \@setfontsize{\small}{8pt}{9pt}\%
3767   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}\%
3768   \setlength{\belowdisplayskip}{\abovedisplayskip}\%
3769   \setlength{\abovedisplaysshortskip}{2pt plus 1pt}\%
3770   \setlength{\belowdisplaysshortskip}{\abovedisplaysshortskip}}
3771
3772 \renewcommand{\footnotesize}{\%
3773   \@setfontsize{\footnotesize}{8pt}{9pt}\%
3774   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}\%
3775   \setlength{\belowdisplayskip}{\abovedisplayskip}\%
3776   \setlength{\abovedisplaysshortskip}{2pt plus 1pt}\%
3777   \setlength{\belowdisplaysshortskip}{\abovedisplaysshortskip}}
3778
3779 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3780 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3781 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3782 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3783 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3784 }{}
3785 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3786 \newcommand{\xepersian@wwwFormat}{\sfamily}
3787 \newcommand{\xepersian@www}{\%
3788 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3789 }
3790 \newcommand{\xepersian@edition}{ {
3791 \newcommand{\editionFormat}{\large\bfseries\texttt}
3792 \newcommand{\xepersian@editionLogo}{\%
3793 \raisebox{-3pt}{\%
3794 {\editionFormat\xepersian@edition}\%
3795 }%
3796 }
3797 \newcommand{\indexFormat}{\large\bfseries}
3798 \newcommand{\xepersian@indexFrameTitle}[1]
3799 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3800
3801 \newcommand{\indexEntryFormat}{\normalsize}
3802 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}\%
3803 {\indexEntryFormat\noindent\ignorespaces{#1}}\%
3804 \end{minipage}}
3805 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3806 \newcommand{\indexEntryPageTxt}{ {
3807 \newcommand{\indexEntryPageFormat}{\footnotesize}
3808 \newcommand{\xepersian@indexEntryPage}[1]{\%
3809 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}\%
3810 }

```



```

3811 \newcommand{\headDateTimeFormat}{}
3812 \newcommand{\xepersian@headDateTime}{%
3813 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3814 \currenttime %
3815 }
3816 \newcommand{\weatherFormat}{\bfseries}
3817 \newcommand{\xepersian@weather}[1]{%
3818 \noindent{\weatherFormat #1}%
3819 }
3820 \newcommand{\weatherTempFormat}{\small}
3821 \newcommand{\weatherUnits}{\textdegree}{C}
3822 \newcommand{\xepersian@section}[0]{ {
3823 \newcommand{\xepersian@headleft}{%
3824 {\small\bfseries \@custommagaziname} \date
3825 }
3826 \newcommand{\xepersian@headcenter}{%
3827 \xepersian@section{
3828 }
3829 \newcommand{\xepersian@headright}{%
3830 \small\xepersian@edition%
3831 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3832 }
3833
3834 \newcommand{\heading}[3]{%
3835 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3836 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3837 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3838 }
3839 \newcommand{\xepersian@footright}{%
3840 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3841 }
3842 \newcommand{\xepersian@footcenter}{%
3843 }
3844 \newcommand{\xepersian@footleft}{%
3845 }
3846
3847 \newcommand{\foot}[3]{%
3848 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3849 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3850 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3851 }
3852 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3853 \newcommand{\xepersian@firstTitle}[1]{%
3854 {%
3855 \begin{spacing}{2.0}{%
3856 \noindent\ignorespaces
3857 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3858 {\nohyphens{\firstTitleFormat #1}}%
3859 {\firstTitleFormat #1}}%
3860 }%

```



```

3861 \end{spacing}%
3862 }%
3863 }
3864 \newcommand{\firstTextFormat}{}
3865 \newcommand{\xepersian@firstText}[1]{%
3866 {\noindent\ignorespaces\firstTextFormat #1}%
3867 }
3868 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3869 \newcommand{\xepersian@secondTitle}[1]{%
3870 \begin{spacing}{1.5}{%
3871 \noindent\ignorespaces\flushright
3872 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3873 {\nohyphens{\secondTitleFormat #1}}%
3874 {\secondTitleFormat #1}}%
3875 }\end{spacing}%
3876 }
3877 \newcommand{\secondSubtitleFormat}{\large}
3878 \newcommand{\xepersian@secondSubtitle}[1]{%
3879 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3880 }
3881 \newcommand{\secondTextFormat}{}
3882 \newcommand{\xepersian@secondText}[1]{%
3883 \begin{multicols}{2}
3884 {\noindent\ignorespaces\secondTextFormat #1}
3885 \end{multicols}
3886 }
3887 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3888 \newcommand{\xepersian@thirdTitle}[1]{%
3889 \begin{spacing}{1.5}{%
3890 \noindent\ignorespaces\flushright
3891 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3892 {\nohyphens{\thirdTitleFormat #1}}%
3893 {\thirdTitleFormat #1}}%
3894 }\end{spacing}%
3895 }
3896 \newcommand{\thirdSubtitleFormat}{\large}
3897 \newcommand{\xepersian@thirdSubtitle}[1]{%
3898 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3899 \newcommand{\thirdTextFormat}{}
3900 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3901 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3902 \newcommand{\xepersian@pictureCaption}[1]{%
3903 {\noindent\pictureCaptionFormat #1}}%
3904 }
3905 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3906 \newcommand{\xepersian@pages}[1]{%
3907 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3908 \newcommand{\innerTitleFormat}{\Huge}
3909 \newcommand{\xepersian@innerTitle}[1]{%
3910 \begin{flushright}{%

```



```

3911 \noindent
3912 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3913 {\nohyphens{\innerTitleFormat #1}}%
3914 {\innerTitleFormat #1}}%
3915 }%
3916 %%
3917 \end{flushright}%
3918 }
3919 \newcommand{\innerSubtitleFormat}{\large}
3920 \newcommand{xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
3921 \newcommand{timestampTxt}{}
3922 \newcommand{timestampSeparator}{}
3923 \newcommand{timestampFormat}{\small}
3924 \newcommand{timestamp}[1]{%
3925 {timestampFormat%
3926 #1~timestampTxt}%
3927 }~timestampSeparator}%
3928 }
3929 \newcommand{\innerAuthorFormat}{\footnotesize}
3930 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3931 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3932 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3933 \newcommand{xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3934 \newcommand{\editorialAuthorFormat}{\textsc}
3935 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3936 \newcommand{xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
3937 \newcommand{\shortarticleSubtitleFormat}{\Large}
3938 \newcommand{xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
3939 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3940 \newcommand{xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
3941 \renewcommand{\maketitle}{\begin{titlepage}%
3942 \let\footnotesize\small
3943 \let\footnoterule\relax
3944 \let\footnote\thanks
3945 \null\vfil
3946 \vskip 60\p@
3947 \begin{center}%
3948 {\LARGE \@title \par}%
3949 \vskip 1em%
3950 {\LARGE «xepersian@edition» \par}%
3951 \vskip 3em%
3952 {\large
3953 \lineskip .75em%
3954 \begin{tabular}[t]{c}%
3955 \@author
3956 \end{tabular}\par}%
3957 \vskip 1.5em%
3958 {\large \@date \par}%
3959 \end{center}\par
3960 \@thanks

```



```

3961 \vfil\null
3962 \end{titlepage}%
3963 \setcounter{footnote}{0}%
3964 \global\let\thanks\relax
3965 \global\let\maketitle\relax
3966 \global\let\@thanks\@empty
3967 \global\let\@author\@empty
3968 \global\let\@date\@empty
3969 \global\let\@title\@empty
3970 \global\let\title\relax
3971 \global\let\author\relax
3972 \global\let\date\relax
3973 \global\let\and\relax
3974 }
3975 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3976 \newsavebox{\xepersian@fmbox}
3977 \newenvironment{xepersian@fmpage}[1]
3978 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3979 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3980 \newcommand{\image}[2]{
3981 \vspace{5pt}
3982 \setlength{\fboxsep}{1pt}
3983 \addtolength{\xepersian@imgsize}{\columnwidth}
3984 \addtolength{\xepersian@imgsize}{-1\columnsep}
3985 \ifxetex
3986 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3987 \addtolength{\xepersian@pageneed}{50pt}
3988 \ClassWarning{xepersian-magazine}{%
3989 Image #1 needs: \the\xepersian@pageneed \space %
3990 and there is left: \the\page@free\space%
3991 }
3992 \ifdim \xepersian@pageneed < \page@free
3993
3994 {\centering\fbox{%
3995 \includegraphics[width = \xepersian@imgsize,
3996 height = \xepersian@imgsize,
3997 keepaspectratio ]{#1}}}
3998 \xepersian@pictureCaption{#2}
3999
4000 \vspace{5pt}
4001 \else
4002 \ClassWarning{Image #1 needs more space!%
4003 It was not inserted!}
4004 \fi
4005 \fi
4006 }
4007 \textblockorigin{1cm}{1cm}
4008 \newdimen\xepersian@dx
4009 \newdimen\xepersian@dy
4010 \newcount\xepersian@cx

```



```

4011 \newcount\xepersian@cy
4012 \newcommand{\grid}[3][]{
4013 \xepersian@dx=\textwidth%
4014 \xepersian@dy=\textheight%
4015 \xepersian@cx=#3% %columns
4016 \xepersian@cy=#2% %rows
4017
4018 \count1=#3%
4019 \advance\count1 by 1
4020
4021 \count2=#2%
4022 \advance\count2 by 1
4023
4024 \divide\xepersian@dx by #3
4025 \divide\xepersian@dy by #2
4026
4027 \setlength{\TPHorizModule}{\xepersian@dx}
4028 \setlength{\TPVertModule}{\xepersian@dy}
4029
4030 \ifthenelse{\equal{#1}{show}}{
4031 \multido{\xepersian@nrow=0+1}{\count2}{
4032 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4033 \rule[0pt]{\textwidth}{.1pt}
4034 \end{textblock}
4035 }
4036
4037 \multido{\xepersian@ncol=0+1}{\count1}{
4038 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4039 \rule[0pt]{.1pt}{\textheight}
4040 \end{textblock}
4041 }
4042 }{}
4043 }
4044 \newcommand{\xepersianInit}{
4045 \setlength{\headheight}{14pt}
4046 \renewcommand{\headrulewidth}{0.4pt}
4047
4048 \pagestyle{fancy}
4049
4050 \setlength{\columnseprule}{\columnlines}
4051 \setlength{\fboxrule}{0.1 pt}
4052
4053 }
4054
4055 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4056 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4057 \def\custommagazinename#1{\gdef\@custommagazinename{\beginR#1\endR}}
4058 \newcommand{\logo}[0]{
4059 %% Heading %%
4060 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www

```



```

4061
4062 \vspace*{-3pt}
4063
4064 {\Large\bfseries \@customlogo}
4065 \hrulefill
4066 \hspace{10pt}\xepersian@headDateTime
4067
4068 }
4069 \newcommand{\minilogo}[0]{
4070 {\large\bfseries \@customminilogo}
4071
4072 \vspace*{5pt}
4073 }
4074 \newcommand{\mylogo}[1]{
4075 {\beginR#1\endR}
4076
4077 \noindent
4078 \xepersian@editionLogo\hspace{5pt}
4079 \hrulefill
4080 \hspace{5pt}\xepersian@headDateTime
4081 }
4082 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4083 \newenvironment{frontpage}[0]
4084 {
4085 \setboolean{xepersian@insidefrontpage}{true}
4086 \thispagestyle{empty}
4087 \logo
4088
4089 }%
4090 {
4091 \thispagestyle{empty}
4092 \clearpage
4093 \newpage
4094 \fancyhead{}
4095 \fancyfoot{}
4096 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4097 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4098 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4099 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4100 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4101 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4102 \renewcommand{\headrulewidth}{0.4pt}
4103 \setboolean{xepersian@insidefrontpage}{false}
4104
4105 }
4106 \newcommand{\firstarticle}[3]
4107 {
4108 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4109 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4110 \begin{textblock}{24}(22,5)

```



```

4111 }
4112 {
4113 \begin{textblock}{28}(22,5)
4114 }
4115 \vspace{-7pt}
4116 \xepersian@firstTitle{#1}
4117 \end{textblock}
4118 \begin{textblock}{29}(22,10)
4119 \vspace{5pt plus 2pt minus 2pt}
4120
4121 \xepersian@firstText{\timestamp{#3}~#2}
4122
4123 \end{textblock}
4124
4125 \begin{textblock}{50}(0,15)
4126 \rule{50\TPHorizModule}{.3pt}
4127 \end{textblock}
4128 }{%else
4129 \ClassError{xepersian-magazine}{%
4130 \protect\firstarticle\space in a wrong place.\MessageBreak
4131 \protect\firstarticle\space may only appear inside frontpage environment.
4132 }{%
4133 \protect\firstarticle\space may only appear inside frontpage environment.
4134 }%
4135 }
4136 }
4137 \newcommand{\secondarticle}[5]
4138 {
4139 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4140 \begin{textblock}{33}(2,16)
4141 \xepersian@pages{#4}
4142 \vspace{-5pt}
4143 \xepersian@secondTitle{#1}
4144
4145 \vspace*{5pt}
4146
4147 \xepersian@secondSubtitle{#2}
4148
4149 \vspace*{-7pt}
4150
4151 \xepersian@secondText{\timestamp{#5}~#3}
4152
4153 \end{textblock}
4154
4155 \begin{textblock}{33}(2,25)
4156 \vspace{5pt plus 2pt minus 2pt}
4157
4158 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4159 \end{textblock}
4160 }{%else

```



```

4161 \ClassError{xepersian-magazine}{%
4162 \protect\secondarticle\space in a wrong place.\MessageBreak
4163 \protect\secondarticle\space may only appear inside frontpage environment.
4164 }{%
4165 \protect\secondarticle\space may only appear inside frontpage environment.
4166 }%
4167 }
4168 }
4169 \newcommand{\thirdarticle}[6]
4170 {
4171 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4172 \begin{textblock}{32}(2,26)
4173 \xepersian@pages{#5}
4174 \vspace{-5pt}
4175 \setlength{\fboxsep}{1pt}
4176 \xepersian@thirdTitle{#1}
4177
4178 \vspace*{5pt}
4179
4180 \xepersian@thirdSubtitle{#2}
4181
4182 \vspace*{5pt}
4183
4184 {\noindent\ignorespaces %
4185 \ifthenelse{\equal{#4}{}}{}}
4186
4187 \xepersian@thirdText{\timestamp{#6}~#3}
4188
4189 }
4190
4191 \vspace*{5pt}
4192
4193 \end{textblock}
4194 }{%else
4195 \ClassError{xepersian-magazine}{%
4196 \protect\thirdarticle\space in a wrong place.\MessageBreak
4197 \protect\thirdarticle\space may only appear inside frontpage environment.
4198 }{%
4199 \protect\thirdarticle\space may only appear inside frontpage environment.
4200 }%
4201 }
4202 }
4203 \newcommand{\firstimage}[2]
4204 {
4205 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4206 \begin{textblock}{18}(2,5)
4207 \setlength{\fboxsep}{1pt}
4208 \ifxetex % only in PDF
4209 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4210 \fi

```



```

4211
4212 \xepersian@pictureCaption{#2}
4213 \end{textblock}%
4214 }
4215 {\ClassError{xepersian-magazine}{%
4216 \protect\firstimage\space in a wrong place.\MessageBreak
4217 \protect\firstimage\space may only appear inside frontpage environment.
4218 }{%
4219 \protect\firstimage\space may only appear inside frontpage environment.
4220 }}
4221 }%
4222 \newcommand{\weatheritem}[5]{%
4223 \ifthenelse{\boolean{xepersian@insideweather}}{
4224 \begin{minipage}{45pt}
4225 \ifxetex
4226 \includegraphics[width=40pt]{#1}
4227 \fi
4228 \end{minipage}
4229 \begin{minipage}{50pt}
4230 \weatherTempFormat
4231 #2\\
4232 \beginL#3 $| $ #4 \lr{\weatherUnits{}}\endL\\
4233 #5
4234 \end{minipage}
4235 }{%else
4236 \ClassError{xepersian-magazine}{%
4237 \protect\weatheritem\space in a wrong place.\MessageBreak
4238 \protect\weatheritem\space may only appear inside weatherblock environment.
4239 }{%
4240 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4241 weatherblock environment may only appear inside frontpage environment.
4242 }%
4243 }
4244 }
4245 \newenvironment{weatherblock}[1]
4246 {
4247 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4248 \setboolean{xepersian@insideweather}{true}
4249 \begin{textblock}{32}(2,38)
4250 \vspace*{-15pt}
4251
4252 \xepersian@weather{\beginR#1\endR}
4253
4254 \vspace*{5pt}
4255
4256 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4257 \begin{minipage}{32\TPHorizModule}
4258 \hspace{5pt}
4259
4260 }{%

```



```

4261 \ClassError{xepersian-magazine}{%
4262 weatherblock in a wrong place.\MessageBreak
4263 weatherblock may only appear inside frontpage environment.
4264 }{%
4265 weatherblock may only appear inside frontpage environment.
4266 }
4267 }
4268 }%
4269 {
4270 \end{minipage}
4271 \end{xepersian@fmpage}
4272 \end{textblock}
4273 \setboolean{xepersian@insideweather}{false}
4274 }
4275 \newenvironment{authorblock}[0]
4276 {
4277 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4278 \begin{textblock}{15}(36,35)
4279 \setlength{\fboxsep}{5pt}
4280 \begin{xepersian@fmpage}{13\TPHorizModule}
4281 \begin{minipage}{13\TPHorizModule}
4282 \centering
4283 \minilogo
4284
4285 }{%else
4286 \ClassError{xepersian-magazine}{%
4287 authorblock in a wrong place.\MessageBreak
4288 authorblock may only appear inside frontpage environment.
4289 }{%
4290 authorblock may only appear inside frontpage environment.
4291 }
4292 }
4293 }
4294 {
4295 \end{minipage}
4296 \end{xepersian@fmpage}
4297 \end{textblock}
4298 }
4299 \newenvironment{indexblock}[1]
4300 {
4301 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4302 \setboolean{xepersian@insideindex}{true}%let's in
4303 \begin{textblock}{15}(36,16)
4304 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4305 \xepersian@indexFrameTitle{#1}
4306
4307 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4308 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4309 \begin{minipage}{\xepersian@indexwidth}
4310 \vspace*{10pt}

```



```

4311 }{%else
4312 \ClassError{xepersian-magazine}{%
4313 indexblock in a wrong place.\MessageBreak
4314 indexblock may only appear inside frontpage environment.
4315 }{%
4316 indexblock may only appear inside frontpage environment.
4317 }
4318 }
4319 }%
4320 {
4321 \end{minipage}
4322 \end{xepersian@fmpage}
4323 \end{textblock}
4324 \setboolean{xepersian@insideindex}{false}%let's out
4325 }
4326 \newcommand{\indexitem}[2]
4327 {
4328 \ifthenelse{\boolean{xepersian@insideindex}}{
4329 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4330
4331 \vspace{0.5cm}
4332
4333 \noindent\ignorespaces\indexEntrySeparator{
4334 }{%else
4335 \ClassError{xepersian-magazine}{%
4336 \protect\indexitem\space in a wrong place.\MessageBreak
4337 \protect\indexitem\space may only appear inside indexblock environment.
4338 }{%
4339 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4340 indexblock environment may only appear inside frontpage environment.
4341 }%
4342 }
4343 }
4344 \newcommand{\xepersian@inexpandedtitle}[1]{
4345 \begin{minipage}{.95\textwidth}
4346 \begin{center}
4347 \noindent\Large\textbf{\beginR#1\endR}
4348 \end{center}
4349 \end{minipage}
4350 }
4351 \newcommand{\expandedtitle}[2]{
4352 \end{multicols}
4353
4354 \begin{center}
4355 \setlength{\fboxsep}{5pt}
4356 \setlength{\shadowsize}{2pt}
4357 \ifthenelse{equal{#1}{shadowbox}}{%
4358 \shadowbox{%
4359 \xepersian@inexpandedtitle{#2}%
4360 }%

```



```

4361 }{}
4362 \ifthenelse{\equal{#1}{doublebox}}{%
4363 \doublebox{%
4364 \xepersian@inexpandedtitle{#2}%
4365 }%
4366 }{}
4367 \ifthenelse{\equal{#1}{ovalbox}}{%
4368 \ovalbox{%
4369 \xepersian@inexpandedtitle{#2}%
4370 }%
4371 }{}
4372 \ifthenelse{\equal{#1}{Oovalbox}}{%
4373 \Oovalbox{%
4374 \xepersian@inexpandedtitle{#2}%
4375 }%
4376 }{}
4377 \ifthenelse{\equal{#1}{lines}}{
4378 \hrule
4379 \vspace*{8pt}
4380 \begin{center}
4381 \noindent\Large\textbf{#2}
4382 \end{center}
4383 \vspace*{8pt}
4384 \hrule
4385 }{}
4386 \end{center}
4387
4388 \begin{multicols}{\xepersian@ncolumns{}}
4389 \ifnum \xepersian@ncolumns > \minraggedcols
4390 \raggedFormat
4391 \fi
4392 }
4393 \newcommand{\xepersian@incolumntitle}[2]{
4394 \begin{minipage}{#1}
4395 \begin{center}
4396 \noindent\normalsize\textbf{#2}
4397 \end{center}
4398 \end{minipage}
4399 }
4400
4401 \newcommand{\columnntitle}[2]{
4402 \vspace*{5pt}
4403 \begin{center}
4404 \setlength{\fboxsep}{5pt}
4405 \setlength{\shadowsize}{2pt}
4406 \addtolength{\xepersian@coltitsize}{\columnwidth}
4407 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4408 \addtolength{\xepersian@coltitsize}{-5pt}
4409 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4410 \ifthenelse{\equal{#1}{shadowbox}}{%

```



```

4411 \shadowbox{%
4412 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4413 }%
4414 }{}
4415 \ifthenelse{\equal{#1}{doublebox}}{%
4416 \doublebox{%
4417 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4418 }%
4419 }{}
4420 \ifthenelse{\equal{#1}{ovalbox}}{%
4421 \ovalbox{%
4422 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4423 }%
4424 }{}
4425 \ifthenelse{\equal{#1}{Oovalbox}}{%
4426 \Oovalbox{%
4427 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4428 }%
4429 }{}
4430 \ifthenelse{\equal{#1}{lines}}{
4431 \hrule
4432 \vspace*{5pt}
4433 \begin{center}
4434 \noindent\normalsize\textbf{#2}
4435 \end{center}
4436 \vspace*{5pt}
4437 \hrule
4438 }{}
4439 \end{center}
4440 }
4441 \renewcommand{\date}{%
4442 \longdate{\today}%
4443 }
4444 \newcommand{\authorandplace}[2]{%
4445 \rightline{%
4446 {\innerAuthorFormat #1},\space{\}\{\innerPlaceFormat #2}%
4447 }%
4448 \par %
4449 }
4450 \newcommand{\newsection}[1]{
4451 \renewcommand{\xepersian@section}{#1}
4452 }
4453 \newenvironment{article}[5]
4454 {
4455 \xepersian@say{Adding a new piece of article}
4456 \renewcommand{\xepersian@ncolumns}{#1}
4457 \begin{multicols}{#1}[
4458 \xepersian@pages{#4}
4459 \xepersian@innerTitle{#2}%
4460 \xepersian@innerSubtitle{#3}%

```



```

4461 ] [4cm]%
4462 \label{#5}
4463 \ifnum #1 > \minraggedcols
4464 \raggedFormat
4465 \fi
4466 }
4467 {\~\innerTextFinalMark{}
4468 \end{multicols}
4469 }
4470 \newcommand{\articlesep}{%
4471 \setlength{\xepersian@pageneed}{16000pt}
4472 \setlength\xepersian@pageleft{\pagegoal}
4473 \addtolength\xepersian@pageleft{-\pagetotal}
4474
4475 \xepersian@say{How much left \the\xepersian@pageleft}
4476
4477 \ifdim \xepersian@pageneed < \xepersian@pageleft
4478 \xepersian@say{Not enough space}
4479 \else
4480 \xepersian@say{Adding sep line between articles}
4481 \vspace*{10pt plus 10pt minus 5pt}
4482 \hrule
4483 \vspace*{10pt plus 5pt minus 5pt}
4484 \fi
4485
4486 }
4487 \newcommand{\xepersian@editorialTit}[2]{
4488 \setlength{\arrayrulewidth}{.1pt}
4489 \begin{center}
4490 \begin{tabular}{c}
4491 \noindent
4492 \xepersian@editorialTitle{#1}
4493 \vspace{2pt plus 1pt minus 1pt}
4494 \\
4495 \hline
4496 \vspace{2pt plus 1pt minus 1pt}
4497 \\
4498 \editorialAuthorFormat{#2}
4499 \end{tabular}
4500 \end{center}
4501 }
4502 \newenvironment{editorial}[4]
4503 {
4504 \xepersian@say{Adding a new editorial}
4505 \begin{multicols}{#1}[%
4506 \xepersian@editorialTit{#2}{#3}%
4507 ] [4cm]
4508 \label{#4}
4509 \ifnum #1 > \minraggedcols
4510 \raggedFormat

```



```

4511 \fi
4512 }
4513 {
4514 \end{multicols}
4515 }
4516 \newcommand{\xepersian@shortarticleTit}[2]{
4517 \begin{center}
4518 \vbox{%
4519 \noindent
4520 \xepersian@shortarticleTitle{#1}
4521 \vspace{4pt plus 2pt minus 2pt}
4522 \hrule
4523 \vspace{4pt plus 2pt minus 2pt}
4524 \xepersian@shortarticleSubtitle{#2}
4525 }
4526 \end{center}
4527 }
4528 \newenvironment{shortarticle}[4]
4529 {
4530 \xepersian@say{Adding a short article block}
4531 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4532 \label{#4}
4533 \par %
4534 \ifnum #1 > \minraggedcols
4535 \raggedFormat
4536 \fi
4537 }
4538 {
4539 \end{multicols}
4540 }
4541 \newcommand{\shortarticleitem}[2]{
4542 \goodbreak
4543 \vspace{5pt plus 3pt minus 3pt}
4544 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4545 \vspace{5pt plus 3pt minus 3pt}
4546 {\noindent #2}\
4547 }

```

7.57 xepersian-mathsdigitspec.sty

```

4548 \NeedsTeXFormat{LaTeX2e}
4549 \ProvidesPackage{xepersian-mathsdigitspec}
4550 [2015/12/07 v1.1.1 Unicode Persian maths digits in XeLaTeX]
4551 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4552 \let\newfam\new@mathgroup
4553 \def\select@group#1#2#3#4{%
4554 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4555 {%
4556 \ifmmode
4557 \ifnum\c@mv\@math@version\endcsname<\@cclvi

```



```

4558 \begingroup
4559 \escapechar\m@ne
4560 \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
4561 \globaldefs\@ne \math@fonts
4562 \endgroup
4563 \init@restore@version
4564 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4565 {\number\csname c@mv@math@version\endcsname}}}%
4566 \global\advance\csname c@mv@math@version\endcsname\@ne
4567 \else
4568 \let#1\relax
4569 \@latex@error{Too many math alphabets used in
4570 version \math@version}%
4571 \@eha
4572 \fi
4573 \else \expandafter\non@alpherr\fi
4574 #1{#4}%
4575 }%
4576 }
4577 \def\document@select@group#1#2#3#4{%
4578 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4579 {%
4580 \ifmmode
4581 \ifnum\csname c@mv@math@version\endcsname<\@cclvi
4582 \begingroup
4583 \escapechar\m@ne
4584 \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
4585 \globaldefs\@ne \math@fonts
4586 \endgroup
4587 \expandafter\extract@alph@from@version
4588 \csname mv@math@version\expandafter\endcsname
4589 \expandafter{\number\csname
4590 c@mv@math@version\endcsname}}%
4591 #1%
4592 \global\advance\csname c@mv@math@version\endcsname\@ne
4593 \else
4594 \let#1\relax
4595 \@latex@error{Too many math alphabets used
4596 in version \math@version}%
4597 \@eha
4598 \fi
4599 \else \expandafter\non@alpherr\fi
4600 #1{#4}%
4601 }%
4602 }
4603 \ExplSyntaxOn
4604 \bool_set_false:N \g__fontspec_math_bool
4605 \tl_map_inline:nn
4606 {
4607 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes

```



```

4608 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4609 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4610 \version@list\version@elt\alpha@list\alpha@elt
4611 \restore@mathversion\init@restore@version\dorestore@version\process@table
4612 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4613 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4614 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4615 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4616 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4617 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4618 \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4619 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4620 }
4621 {
4622 \tl_remove_once:Nn \@preamblecmds {\do#1}
4623 }
4624 \ExplSyntaxOff
4625 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4626 \newcommand\SetMathCode[4]{%
4627 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4628 \newcommand\SetMathCharDef[4]{%
4629 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4630 \ExplSyntaxOn
4631 \cs_new_eq:NN \orig_mathbf:n \mathbf
4632 \cs_new_eq:NN \orig_mathit:n \mathit
4633 \cs_new_eq:NN \orig_mathrm:n \mathrm
4634 \cs_new_eq:NN \orig_mathsf:n \mathsf
4635 \cs_new_eq:NN \orig_mathtt:n \mathtt
4636 \NewDocumentCommand \new@mathbf { m } {
4637 \orig_mathbf:n {
4638 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4639 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4640 }
4641 #1
4642 }
4643 }
4644 \NewDocumentCommand \new@mathit { m } {
4645 \orig_mathit:n {
4646 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4647 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4648 }
4649 #1
4650 }
4651 }
4652 \NewDocumentCommand \new@mathrm { m } {
4653 \orig_mathrm:n {
4654 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4655 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4656 }
4657 #1

```



```

4658 }
4659 }
4660 \NewDocumentCommand \new@mathsf{ m } {
4661   \orig_mathsf:n {
4662     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4663       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4664     }
4665     #1
4666   }
4667 }
4668 \NewDocumentCommand \new@mathhtt{ m } {
4669   \orig_mathhtt:n {
4670     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4671       \mathcode ##1 = \numexpr "100 * \symnew@mathhtt@font@digits + ##1 \relax
4672     }
4673     #1
4674   }
4675 }
4676 \DeclareDocumentCommand \setdigitfont { o m }{%
4677   \let\glb@currsizere\relax
4678   \__fontspec_pass_args:nnn \__xepersian_setdigitfont:nn {#1} {#2} }
4679
4680 \cs_new:Nn \__xepersian_setdigitfont:nn
4681 {
4682   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1} {#2}
4683   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4684   \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4685   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4686   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4687   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4688   \def\xepersianmathsdigits{%
4689     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4690     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4691     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4692     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4693     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4694     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4695     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4696     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4697     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4698     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4699     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4700
4701     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4702     \cs_set_eq:NN \mathbf \new@mathbf
4703     \cs_set_eq:NN \mathit \new@mathit
4704     \cs_set_eq:NN \mathrm \new@mathrm
4705   }
4706 \DeclareDocumentCommand \setmathsfdigitfont { o m }
4707 { \__fontspec_pass_args:nnn \__xepersian_setmathsfdigitfont:nn {#1} {#2} }

```



```

4707
4708 \cs_new:Nn \__xepersian_setmathsfdigitfont:nn
4709 {
4710   \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1} {#2}
4711   \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4712   \def\persianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4713 }
4714 \DeclareDocumentCommand \setmathttdigitfont { o m }
4715 { \__fontspec_pass_args:nnn \__xepersian_setmathttdigitfont:nn {#1} {#2} }
4716
4717 \cs_new:Nn \__xepersian_setmathttdigitfont:nn
4718 {
4719   \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1} {#2}
4720   \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4721   \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4722 }
4723 \ExplSyntaxOff
4724 \ifx\newcommand\undefined\else
4725   \newcommand{\ZifferAn}{}
4726 \fi
4727 \mathchardef\ziffer@DotOri="013A
4728 {\ZifferAn
4729   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4730 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4731 \def\ziffer@check#1#2{%
4732   \ifx\n1\endgroup#1\else
4733     \ifx\n2\endgroup#1\else
4734       \ifx\n3\endgroup#1\else
4735         \ifx\n4\endgroup#1\else
4736           \ifx\n5\endgroup#1\else
4737             \ifx\n6\endgroup#1\else
4738               \ifx\n7\endgroup#1\else
4739                 \ifx\n8\endgroup#1\else
4740                   \ifx\n9\endgroup#1\else
4741                     \ifx\n0\endgroup#1\else
4742                       \ifx\n\overline\endgroup#1\else
4743                         \endgroup#2%
4744                     \fi
4745                   \fi
4746                 \fi
4747               \fi
4748             \fi
4749           \fi
4750         \fi
4751       \fi
4752     \fi
4753   \fi}
4754 \fi}
4755 \mathcode`\.= "8000\relax
4756 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}

```



```

4757 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4758 \def\PersianMathsDigits{\def\SetMathsDigits{%
4759 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4760 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4761 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
4762 \def\AutoMathsDigits{\def\SetMathsDigits{%
4763 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4764 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4765 \ifx\persianmathhttdigits\undefined\else\if@Latin\else\persianmathhttdigits\fi\fi}}
4766 \AutoMathsDigits
4767 \everymath\expandafter{\the\everymath\SetMathsDigits}
4768 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.58 xepersian-multiplechoice.sty

```

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

```



```

4804 \newcounter{question}\stepcounter{question}
4805 \newcounter{@choice}
4806 \def\@initorcheck{%
4807   \xdef\@choices{\the@choice}%
4808   \setcounter{@choice}{1}%
4809   \gdef\@arraydesc{|Q||}%
4810   \gdef\@headerline{}%
4811   \whiledo{\not{\value{@choice}>\@choices}}{
4812     \xdef\@arraydesc{\@arraydesc D|}
4813     \def\@appendheader{\g@addto@macro\@headerline}
4814     \@appendheader{&\protect\@headerfont}
4815     \edef\@the@choice{\alph{@choice}}
4816     \expandafter\@appendheader\@the@choice
4817     \stepcounter{@choice}}%
4818   \addtocontents{frm}{%
4819     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4820     \protect\hline
4821     \@headerline\protect\\\protect\hline\protect\hline}%
4822   \addtocontents{msk}{%
4823     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4824     \protect\hline
4825     \@headerline\protect\\\protect\hline\protect\hline}%
4826   \gdef\@initorcheck{%
4827     \ifthenelse{\value{@choice} = \@choices}{-}{%
4828       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4829         (\the@choice\space instead of \@choices)}{%
4830           Questions must all have the same number of proposed answers.%
4831           \MessageBreak
4832           Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4833 \newenvironment{question}[1]{%
4834   %% \begin{question}
4835   \begin{minipage}{\textwidth}
4836     \xdef\@formanswerline{\@questionheader}%
4837     \xdef\@maskanswerline{\@questionheader}%
4838     \fbox{\parbox[c]{\linewidth}{#1}}
4839     \vspace\questionspace\par
4840     {\@answerstitlefont\@answerstitle}
4841     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4842   %% \end{question}
4843   \end{list}
4844   \@initorcheck%
4845   \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4846   \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4847   \end{minipage}
4848   \stepcounter{question}}
4849 \def\@truesymbol{\ding{52}~}
4850 \def\@falsesymbol{\ding{56}~}
4851 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4852 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4853 \def\@true@nocorrection{\item}

```



```

4854 \def\@false@nocorrection{\item}
4855 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4856 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4857 \newcommand\true{%
4858   \xdef\@formanswerline{\@formanswerline&}%
4859   \xdef\@maskanswerline{\@maskanswerline&\X}%
4860   \@true}%
4861 \newcommand>false{%
4862   \xdef\@formanswerline{\@formanswerline}%
4863   \xdef\@maskanswerline{\@maskanswerline}%
4864   \@false}%
4865 \def\@correctionstyle{\itshape}
4866 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4867 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4868 \def\@questionheader{ \thequestion}
4869 \answerstyle{ :
4870 \DeclareOption{nocorrection}{%
4871   \let\@true\@true@nocorrection
4872   \let\@false\@false@nocorrection
4873   \let\correction\comment
4874   \let\endcorrection\endcomment
4875   \def\makeform{\makeform@nocorrection}
4876   \def\makemask{\makemask@nocorrection}}
4877 \DeclareOption{correction}{%
4878   \let\@true\@true@correction
4879   \let\@false\@false@correction
4880   \let\correction\@correction
4881   \let\endcorrection\end@correction
4882   \def\makeform{\makeform@correction}
4883   \def\makemask{\makemask@correction}}
4884 \ExecuteOptions{nocorrection}
4885 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4886 \def\@questiontitlefont{\bfseries}
4887 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4888 \newlength\questiontitlespace
4889 \setlength\questiontitlespace{5pt}
4890 \newlength\questionsepspace
4891 \setlength\questionsepspace{20pt}
4892 \gdef\@questionsepspace{0pt}
4893 \let\old@question\question
4894 \let\old@endquestion\endquestion
4895 \renewenvironment{question}[1]{%
4896   %% \begin{question}
4897   \vspace\@questionsepspace
4898   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4899   \nopagebreak\vspace\questiontitlespace\par
4900   \old@question{#1}}{%
4901   %% \end{question}
4902   \old@endquestion
4903   \gdef\@questionsepspace{\questionsepspace}}

```



```

4904 \questiontitle{ \thequestion:}
4905 \ProcessOptions

```

7.59 xepersian-persiancal.sty

```

4906 \NeedsTeXFormat{LaTeX2e}
4907 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4908
4909 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4910 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4911 \newcount\XePersian@latini \newcount\XePersian@persiani
4912 \newcount\XePersian@latinii \newcount\XePersian@persianii
4913 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4914 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4915 \newcount\XePersian@latinv \newcount\XePersian@persianv
4916 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4917 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4918 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4919 \newcount\XePersian@latinix \newcount\XePersian@persianix
4920 \newcount\XePersian@latinx \newcount\XePersian@persianx
4921 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4922 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4923 \newcount\XePersian@persianxiii
4924
4925 \newcount\XePersian@temp
4926 \newcount\XePersian@temptwo
4927 \newcount\XePersian@tempthree
4928 \newcount\XePersian@yModHundred
4929 \newcount\XePersian@thirtytwo
4930 \newcount\XePersian@dn
4931 \newcount\XePersian@sn
4932 \newcount\XePersian@mminusone
4933
4934
4935 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4936 \XePersian@temp=\XePersian@y
4937 \divide\XePersian@temp by 100\relax
4938 \multiply\XePersian@temp by 100\relax
4939 \XePersian@yModHundred=\XePersian@y
4940 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4941 \ifodd\XePersian@yModHundred
4942 \XePersian@leapfalse
4943 \else
4944 \XePersian@temp=\XePersian@yModHundred
4945 \divide\XePersian@temp by 2\relax
4946 \ifodd\XePersian@temp\XePersian@leapfalse
4947 \else
4948 \ifnum\XePersian@yModHundred=0%
4949 \XePersian@temp=\XePersian@y
4950 \divide\XePersian@temp by 400\relax

```



```

4951         \multiply\XePersian@temp by 400\relax
4952         \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4953         \else\XePersian@leaptrue
4954         \fi
4955     \fi
4956 \fi
4957 \XePersian@latini=31\relax
4958 \ifXePersian@leap
4959     \XePersian@latinii = 29\relax
4960 \else
4961     \XePersian@latinii = 28\relax
4962 \fi
4963 \XePersian@latiniii = 31\relax
4964 \XePersian@latiniv = 30\relax
4965 \XePersian@latinv = 31\relax
4966 \XePersian@latinvi = 30\relax
4967 \XePersian@latinvii = 31\relax
4968 \XePersian@latinviii = 31\relax
4969 \XePersian@latinix = 30\relax
4970 \XePersian@latinx = 31\relax
4971 \XePersian@latinxi = 30\relax
4972 \XePersian@latinxii = 31\relax
4973 \XePersian@thirtytwo=32\relax
4974 \XePersian@temp=\XePersian@y
4975 \advance\XePersian@temp by -17\relax
4976 \XePersian@temptwo=\XePersian@temp
4977 \divide\XePersian@temptwo by 33\relax
4978 \multiply\XePersian@temptwo by 33\relax
4979 \advance\XePersian@temp by -\XePersian@temptwo
4980 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4981 \else
4982     \XePersian@temptwo=\XePersian@temp
4983     \divide\XePersian@temptwo by 4\relax
4984     \multiply\XePersian@temptwo by 4\relax
4985     \advance\XePersian@temp by -\XePersian@temptwo
4986     \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4987 \fi
4988 \XePersian@tempthree=\XePersian@y                % Number of Leap years
4989 \advance\XePersian@tempthree by -1
4990 \XePersian@temp=\XePersian@tempthree            % T := (MY-1) div 4
4991 \divide\XePersian@temp by 4\relax
4992 \XePersian@temptwo=\XePersian@tempthree        % T := T - ((MY-1) div 100)
4993 \divide\XePersian@temptwo by 100\relax
4994 \advance\XePersian@temp by -\XePersian@temptwo
4995 \XePersian@temptwo=\XePersian@tempthree        % T := T + ((MY-1) div 400)
4996 \divide\XePersian@temptwo by 400\relax
4997 \advance\XePersian@temp by \XePersian@temptwo
4998 \advance\XePersian@tempthree by -611          % Number of Kabise years
4999 \XePersian@temptwo=\XePersian@tempthree        % T := T - ((SY+10) div 33) * 8
5000 \divide\XePersian@temptwo by 33\relax

```



```

5001 \multiply\XePersian@temptwo by 8\relax
5002 \advance\XePersian@temp by -\XePersian@temptwo
5003 \XePersian@temptwo=\XePersian@tempthree %
5004 \divide\XePersian@temptwo by 33\relax
5005 \multiply\XePersian@temptwo by 33\relax
5006 \advance\XePersian@tempthree by -\XePersian@temptwo
5007 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
5008 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5009 \advance\XePersian@temp by -\XePersian@tempthree
5010 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5011 \XePersian@persiani=31
5012 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5013 \XePersian@persianii = 30\relax
5014 \ifXePersian@kabiseh
5015 \XePersian@persianiii = 30\relax
5016 \else
5017 \XePersian@persianiii = 29\relax
5018 \fi
5019 \XePersian@persianiv = 31\relax
5020 \XePersian@persianv = 31\relax
5021 \XePersian@persianvi = 31\relax
5022 \XePersian@persianvii = 31\relax
5023 \XePersian@persianviii= 31\relax
5024 \XePersian@persianix = 31\relax
5025 \XePersian@persianx = 30\relax
5026 \XePersian@persianxi = 30\relax
5027 \XePersian@persianxii = 30\relax
5028 \XePersian@persianxiii= 30\relax
5029 \XePersian@dn= 0\relax
5030 \XePersian@sn= 0\relax
5031 \XePersian@mminusone=\XePersian@m
5032 \advance\XePersian@mminusone by -1\relax
5033 \XePersian@i=0\relax
5034 \ifnum\XePersian@i < \XePersian@mminusone
5035 \loop
5036 \advance \XePersian@i by 1\relax
5037 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5038 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5039 \fi
5040 \advance \XePersian@dn by \XePersian@d
5041 \XePersian@i=1\relax
5042 \XePersian@sn = \XePersian@persiani
5043 \ifnum \XePersian@sn<\XePersian@dn
5044 \loop
5045 \advance \XePersian@i by 1\relax
5046 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5047 \ifnum \XePersian@sn<\XePersian@dn \repeat
5048 \fi
5049 \ifnum \XePersian@i < 4
5050 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i

```



```

5051 \advance \XePersian@y by -622\relax
5052 \else
5053 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5054 \advance \XePersian@y by -621\relax
5055 \fi
5056 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5057 \endcsname
5058 \ifnum\XePersian@i = 1
5059 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@pe
5060 \else
5061 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5062 \fi
5063 \newcommand*{\persiantoday}{%
5064 \number\XePersian@d\space%
5065 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5066 }
5067 \let\persianyear\XePersian@y
5068 \let\persianmonth\XePersian@m
5069 \let\persianday\XePersian@d
5070 \def\XePersian@persian@month#1{\ifcase#1\or or\
5071 or\
5072 or\ or\
5073 or\
5074 or\ or\
5075 or\ or\
5076 or\ or\
5077 \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>	123
v13.5	General: Fixed the extra space after Persian decimal separator.	152
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	93

