

# The XePersian Package



## Persian for $\text{\LaTeX}$ 2 $\epsilon$ over Xe $\text{\TeX}$

Vafa Khalighi  
[persian-tex@tug.org](mailto:persian-tex@tug.org)

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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 emails to me; I will not answer any direct emails. Instead please use the issue tracker:

<https://github.com/vafa/xepersian/issues>

In doing so, please always explain your issue well enough, always include a minimal working examples 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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# 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 over XeTeX)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright © 2008-2013 Vafa Khalighi
*
* v13.5, 2013/10/21
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/vafa/xepersian/issues
```

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

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).

When loading the package, it is important to know that:

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.
- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting.

If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

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

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

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

```
See the xepersian package documentation for explanation.
Type H <return> for immediate help.
```

```
...
1.5 \begin{document}
?
```

## 2.2 XePersian's Symbol

As you may know lion symbolizes T<sub>E</sub>X but lion does not symbolizes XePersian. **Simorgh**<sup>1</sup> (shown on the first page of this documentation) symbolizes XePersian.

## 2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

☞ \xepersianversion gives the current version of the package.

☞ \xepersiandate gives the current date of the package.

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

## 2.4 Options of The Package

There are six options:

### 2.4.1 extrafootnotefeatures Option

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

### 2.4.2 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. Please note that unfortunately X series fonts of IRMUG (Iranian Mac Users Group)

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

This is the font issue not  
XePersian's bug

do not have Kashida support and if you use any of these fonts with Kashida option enabled, the result on the PDF viewed on the monitor is not pleasant, however the print may look fine. Hence if you are going to enable Kashida option, then you are advised to use either “Adobe Arabic” or “Scheherazade” fonts or any other fonts that has fine Kashida support, like Persian Modern font (the default font of XePersian package).

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:

<code>\KashidaOn</code> <code>\KashidaOff</code>
--

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

☞ `\KashidaOff` disables Kashida.

### 2.4.3 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  $\text{\TeX}$  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.

### 2.4.4 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which  $\tilde{\text{I}}$  is grouped under  $\text{I}$ ) for sorting Persian alphabets.

### 2.4.5 quickindex-variant2 Option

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

### 2.4.6 localise Option

The `localise` option is now active by default; it allows you to use most frequently-used  $\text{\LaTeX}$  commands and environments in Persian, almost like what  $\text{\TeX-e-Parsi}$  offers. This is still work in progress and we wish to add lots more Persian equivalents of  $\text{\LaTeX}$  and  $\text{\TeX}$  commands and environments. The Persian equivalents of  $\text{\LaTeX}$  and  $\text{\TeX}$  commands are shown in [Table 1](#), The Persian equivalents of XePersian commands

are shown in Table 2, Persian equivalents of L<sup>A</sup>T<sub>E</sub>X environments are shown in Table 3 and Persian equivalents of XePersian environments are shown in Table 4

Please note that the Persian equivalents of L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X 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 L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X commands and environments, but still original L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X commands and environments work too.

The T<sub>E</sub>X L<sup>A</sup>T<sub>E</sub>X 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 L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X Commands

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplayskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayshortskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\aleph</code>	\الف
<code>\aliasfontfeature</code>	\خصیصه مستعار قلم
<code>\aliasfontfeatureoption</code>	\انتخاب خصیصه مستعار قلم
<code>\allowbreak</code>	\شکستی
<code>\alloc@</code>	\تخصیصی@
<code>\allocationnumber</code>	\تخصیص یافته
<code>\allowdisplaybreaks</code>	\شکست نمایش مجاز
<code>\Alph</code>	\حروف بزرگ
<code>\alph</code>	\حروف کوچک
<code>\alsename</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

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\bfseries</code>	\شمايل سياه
<code>\bgroup</code>	\شرگروه
<code>\bibitem</code>	\مرجوع
<code>\bibliography</code>	\كتاب نامه
<code>\bibliographystyle</code>	\سبك كتاب نامه
<code>\bibname</code>	\عنوان كتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پايين شناور
<code>\botmark</code>	\علامت پايين
<code>\bottompageskip</code>	\كادر تا پايين
<code>\bottomfraction</code>	\نسبت پايين
<code>\box</code>	\كادر
<code>\boxmaxdepth</code>	\حد اكثر عمق كادر
<code>\break</code>	\بشكن
<code>\bullet</code>	\گلوله
<code>\@cclv</code>	\دوپن@پنج
<code>\@ccclvi</code>	\دوپن@شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\كدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\cdots</code>	\نقاط وسط
<code>\centering</code>	\تنظيم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چك@ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نويسه
<code>\chardef</code>	\تعريف نويسه
<code>\CheckCommand</code>	\برسي فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطاي طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بي سطر
<code>\cleaders</code>	\نشانگر مركزي
<code>\cleardoublepage</code>	\دو صفحه پاك
<code>\clearpage</code>	\صفحه پاك

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\cline</code>	<code>\خطناپر</code>
<code>\closein</code>	<code>\ببندورودی</code>
<code>\closeout</code>	<code>\ببندخروجی</code>
<code>\closing</code>	<code>\بستن</code>
<code>\clubpenalty</code>	<code>\جریمه سر بند</code>
<code>\clubsuit</code>	<code>\خاج</code>
<code>\colbotmark</code>	<code>\علامت پایین ستون اول</code>
<code>\colfirstmark</code>	<code>\علامت اول ستون اول</code>
<code>\color</code>	<code>\رنگ</code>
<code>\colorbox</code>	<code>\کادر رنگ</code>
<code>\coltopmark</code>	<code>\علامت بالای ستون اول</code>
<code>\columncolor</code>	<code>\رنگ ستون</code>
<code>\columnsep</code>	<code>\بین ستون</code>
<code>\columnwidth</code>	<code>\پهنای ستون</code>
<code>\columnseprule</code>	<code>\خط بین ستون</code>
<code>\contentsline</code>	<code>\سطر فهرست</code>
<code>\contentsname</code>	<code>\عنوان فهرست مطالب</code>
<code>\copy</code>	<code>\کپی</code>
<code>\copyright</code>	<code>\حق تالیف</code>
<code>\count</code>	<code>\شمار</code>
<code>\count@</code>	<code>\شمار@</code>
<code>\countdef</code>	<code>\تعریف شمار</code>
<code>\cr</code>	<code>\سخ</code>
<code>\crr</code>	<code>\سخ سخ</code>
<code>\csname</code>	<code>\نام فرمان</code>
<code>\CurrentOption</code>	<code>\گزینه جاری</code>
<code>\dashbox</code>	<code>\کادر بینابین</code>
<code>\dashv</code>	<code>\بینابین ع</code>
<code>\@date</code>	<code>\@تاریخ</code>
<code>\date</code>	<code>\تاریخ</code>
<code>\day</code>	<code>\روز</code>
<code>\dblbotfigrule</code>	<code>\خط پایین شناور پهن</code>
<code>\dblbottomfraction</code>	<code>\نسبت پهن پایین</code>
<code>\dblfigrule</code>	<code>\خط بالای شناور پهن</code>
<code>\dblfloatpagefraction</code>	<code>\نسبت صفحه شناور پهن</code>
<code>\dblfloatsep</code>	<code>\فاصله بین شناور پهن</code>
<code>\dblftntlocatcode</code>	<code>\کد مکان غیر همانطور</code>
<code>\dbltextfloatsep</code>	<code>\فاصله متن و شناور پهن</code>
<code>\dbltopfraction</code>	<code>\نسبت پهن بالا</code>
<code>\DeclareFixedFont</code>	<code>\اعلان قلم ثابت</code>

*Continued on next page*

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

*Continued on next page*

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

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پر شکن</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 زیر نویس</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\footnote</code>	<code>\زیرنویس</code>
<code>\footnotemark</code>	<code>\علامت زیرنویس</code>
<code>\footnoterule</code>	<code>\خط زیرنویس</code>
<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 تاپایین 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>@عاقبت آ</code>
<code>\@gtempb</code>	<code>@عاقبت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعاریف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شکن</code>
<code>\graphpaper</code>	<code>\کاغذ گراف</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 سر صفحه</code>
<code>\headsep</code>	<code>\فاصله از سر صفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\heartsuit	\دل
\height	\بلندا
\hfil	\پرا
\hfill	\پررا
\hfilneg	\رفع پرا
\hfuzz	\پرزاقفی
\hideskip	\فاصله مخفی
\hidewidth	\عرض پنهان
\hline	\خط پر
\hoffset	\حاشیه ا
\holdinginserts	\حفظ درج
\hrboxsep	\فاصله اگر د
\hrule	\خط ا
\hrulefill	\پر خط ا
\hsize	\طول سطر
\hskip	\فاصله ا
\hspace	\فضای ا
\hss	\هر دوا
\ht	\ارتفاع
\huge	\بزرگ
\Huge	\بزرگ تر
\hyperlink	\ابر پیوند
\hypersetup	\بارگذاری ابر
\hypertarget	\هدف ابر
\hyphenation	\تیره بندی
\hyphenchar	\نویسه تیره
\hyphenpenalty	\جریمه تیره بندی
\@ifclassloaded	\@گر کلاس فراخوانی شده
\@ifdefinable	\@گر ترش دنی
\@ifnextchar	\@گر نویسه بعدی
\@ifpackageloaded	\@گر سبک فراخوانی شده
\@ifstar	\@گر ستاره
\@ifundefined	\@گر تعریف نشده
\if	\گر
\if@tempswa	\گر@سواقت آ
\ifcase	\گرانواع
\ifcat	\گررده
\ifdefined	\گر تعریف شده
\ifdim	\گر بعد
\ifeof	\گرته پرونده

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\iff</code>	\گرر
<code>\iffalse</code>	\گرنادرست
<code>\IfFileExists</code>	\گرپرونده موجود
<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 ران دیده بگیر
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورود پرونده گر موجود
<code>\inputlineno</code>	\شماره سطر ورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناور در 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

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرار کن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلپ</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کد کو چک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\leftmark</code>	\علامت چپ
<code>\leftpageskip</code>	\کادر تا چپ
<code>\leftskip</code>	\فاصله ابتدای سطر
<code>\let</code>	\بگذار
<code>\line</code>	\سطر
<code>\linebreak</code>	\سطر شکن
<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 بیابین
<code>\@makeoother</code>	\@دیگر
<code>\@m</code>	\@زار
<code>\@M</code>	\ده@زار
<code>\@Mi</code>	\ده@زار یک
<code>\@Mii</code>	\ده@زار دو
<code>\@Miii</code>	\ده@زار سه
<code>\@Miv</code>	\ده@زار چهار
<code>\@MM</code>	\بیس@زار
<code>\m@ne</code>	\من@ا
<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

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

<code>\makebox</code>	<code>\کادر بی خط</code>
<code>\makeglossary</code>	<code>\ساخت فرهنگ</code>
<code>\makeindex</code>	<code>\تهیه نمایه</code>
<code>\makelabel</code>	<code>\ساخت برچسب</code>
<code>\makelabels</code>	<code>\ساخت برچسب ها</code>
<code>\MakeLowercase</code>	<code>\ساخت حروف کوچک</code>
<code>\maketitle</code>	<code>\عنوان ساز</code>
<code>\MakeUppercase</code>	<code>\ساخت حروف بزرگ</code>
<code>\marginpar</code>	<code>\در حاشیه</code>
<code>\marginparpush</code>	<code>\فاصله دو حاشیه</code>
<code>\marginparsep</code>	<code>\فاصله تا حاشیه</code>
<code>\marginparwidth</code>	<code>\پهنای حاشیه</code>
<code>\mark</code>	<code>\علامت</code>
<code>\markboth</code>	<code>\علامت در دو طرف</code>
<code>\markright</code>	<code>\علامت در راست</code>
<code>\mathaccent</code>	<code>\اعراب ریاضی</code>
<code>\mathchar</code>	<code>\نویسه ریاضی</code>
<code>\mathchardef</code>	<code>\تعریف نویسه ریاضی</code>
<code>\mathcode</code>	<code>\کد ریاضی</code>
<code>\mathrm</code>	<code>\ریاضی رومن</code>
<code>\maxdeadcycles</code>	<code>\حد اکثر تکرار</code>
<code>\maxdepth</code>	<code>\حد اکثر عمق صفحه</code>
<code>\maxdimen</code>	<code>\بعد بیشین</code>
<code>\mbox</code>	<code>\کادر بی</code>
<code>\mdseries</code>	<code>\شمایل نازک</code>
<code>\meaning</code>	<code>\معنا</code>
<code>\mediumseries</code>	<code>\نازک</code>
<code>\medmuskip</code>	<code>\فاصله متوسط ریاضی</code>
<code>\medskip</code>	<code>\پرش متوسط</code>
<code>\medskipamount</code>	<code>\مقدار پرش متوسط</code>
<code>\medspace</code>	<code>\فضای متوسط</code>
<code>\message</code>	<code>\پیام</code>
<code>\MessageBreak</code>	<code>\پیام شکن</code>
<code>\minrowclearance</code>	<code>\حد اقل فاصله ردیف</code>
<code>\mkern</code>	<code>\دوری ریاضی</code>
<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال بر راست</code>
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری@ضی</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\multicolumn</code>	<code>\چندستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چندادغام</code>
<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\یک</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\nearrow</code>	<code>\باریک</code>
<code>\nearrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\newwrite</code>	<code>\بنویس جدید</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطر متعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطر متعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>
<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>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\@onlypreamble	\@تنهادرپیش در آمد
\onecolumn	\یک ستون
\onlynotes	\تنهایادداشت ها
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\برونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefillllstretch	\کشش پررر صفحه
\pagefilllstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشردگی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه
\pagetotal	\جمع صفحه
\paperheight	\بلندای کاغذ
\paperwidth	\پهنای کاغذ
\par	\بند
\paragraph	\پاراگراف
\parallel	\موازی
\parbox	\کادر پار
\parfillskip	\فاصله ته بند

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکت</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بد نمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایشه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@باز آیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیکال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع ایتیکت</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\rangle</code>	\زاویه ر
<code>\rceil</code>	\سقف ر
<code>\read</code>	\بخوان
<code>\ref</code>	\رجوع
<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>	\سبک مورد نیاز
<code>\RequirePackageWithOptions</code>	\سبک مورد نیاز با گزینه
<code>\resizebox</code>	\کادر کشیده
<code>\reversemarginpar</code>	\در حاشیه معکوس
<code>\rfloor</code>	\کف ر
<code>\right</code>	\راست
<code>\rightmargin</code>	\حاشیه راست
<code>\rightmark</code>	\علامت راست
<code>\rightpageskip</code>	\کادر تا راست
<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>	\کادر چرخان
<code>\rowcolor</code>	\رنگ ردیف
<code>\rule</code>	\خط
<code>\@secondoftwo</code>	\@دومی ازدو
<code>\@spaces</code>	\@فضاها
<code>\samepage</code>	\همین صفحه
<code>\savebox</code>	\مقدار کادر
<code>\sbox</code>	\مقکادر
<code>\scalebox</code>	\کادر اندازه
<code>\scdefault</code>	\پیش فرض تمام بزرگ
<code>\scshape</code>	\شکل تمام بزرگ
<code>\scriptfont</code>	\قلم توان
<code>\scriptscriptfont</code>	\قلم توان توان

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\scriptscriptstyle</code>	\سبک ته نوشت ته نوشت
<code>\scriptsize</code>	\اندازه پانویس
<code>\scriptstyle</code>	\سبک ته نوشت
<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>	\خوانیده

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\sldefault</code>	\پیش فرض خو
<code>\slshape</code>	\شکل خوابیده
<code>\sloppy</code>	\راحت چین
<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>\snglftlocatcode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مسا
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ
<code>\@tempb</code>	\@موقت ب
<code>\@tempc</code>	\@موقت پ
<code>\@tempd</code>	\@موقت ت
<code>\@tempe</code>	\@موقت ث
<code>\@tempboxa</code>	\@کادرقت آ

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\@tempcnta	\@شماقت آ
\@tempcntb	\@شماقت ب
\@tempdima	\@بعدقت آ
\@tempdimb	\@بعدقت ب
\@tempdimc	\@بعدقت پ
\@tempskipa	\@فاقت آ
\@tempskipb	\@فاقت ب
\@tempswafalse	\@سواقت آنادرست
\@tempswatrue	\@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 سطر جدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی
\textbar	\میله متنی
\textgreater	\بزرگ تر متنی
\textless	\کمتر متنی
\textbf	\متن سیاه
\textcircled	\مدور متنی

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متي
<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>	\سبك متي
<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>	\خط‌ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinline</code>	\خط‌ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبك 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

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

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\updefault	\پیش فرض ایستاده
\upshape	\شکل ایستاده
\usebox	\از کادر
\usecounter	\باشمارشگر
\usefont	\گزینه قلم
\usepackage	\سبک لازم
\@vobeyspaces	\@فضاهای فعال
\@void	\@تهی
\vadjust	\تنظیم و
\valign	\ردیف و
\value	\محتوای شمارنده
\vbadness	\بدنمایی و
\vbox	\کادر و
\vcenter	\کادر وسط
\verb	\همانطور
\vfil	\پرو
\vfill	\پررو
\vfilneg	\رفع پرو
\vfuzz	\پر زعمودی
\visible	\نمایان
\vline	\خط عمود
\voffset	\حاشیه و
\voidb@x	\ک@در تهی
\vpageref	\ارجاع صفحه ع
\vrbboxsep	\فاصله وگرد
\vref	\ارجاع ع
\vrule	\خط و
\vsize	\طول صفحه
\vskip	\فاصله و
\vspace	\فضای و
\vsplit	\شکست و
\vss	\هر دو و
\vtop	\کادر گود
\wd	\عرض
\whiledo	\مادام بکن
\widehat	\کلاه پهن
\widetilde	\مد پهن
\widowpenalty	\جریمه ته بند
\width	\پهنا
\wlog	\در کارنامه

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\@فر
\z@skip	\@فر فاصله

Table 2: The Equivalent XePersian Commands

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

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Command in XePersian	Equivalent Persian Command
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانوش
\RTLfootnotetext	\متن پانوش
\RTLthanks	\پانوش عنوان
\@SepMark	\@علامت بین
\SepMark	\علامت بین
\setdefaultbibitems	\بگذار مرجوعات عادی
\setdefaultmarginpar	\بگذار در حاشیه عادی
\setdigitfont	\گزینش قلم اعداد فرمولها
\setfootnoteLR	\بگذار زیر نویس چپ
\setfootnoteRL	\بگذار زیر نویس راست
\setlatintextfont	\گزینش قلم لاتین متن
\setLTR	\بگذار متن چپ
\setLTRbibitems	\بگذار مرجوعات چپ
\setLTRmarginpar	\بگذار در حاشیه چپ
\setRTL	\بگذار متن راست
\setRTLbibitems	\بگذار مرجوعات راست
\setRTLmarginpar	\بگذار در حاشیه راست
\settextfont	\گزینش قلم متن
\textwidthfootnoterule	\خط زیر نویس پهنای متن
\twocolumnstableofcontents	\فهرست مطالب دوستونی
\unsetfootnoteRL	\نگذار زیر نویس راست
\unsetLTR	\نگذار متن چپ
\unsetRTL	\نگذار متن راست
\vboxL	\کادر واز چپ
\vboxR	\کادر واز راست
\XeLaTeX	\زی لاتک
\XePersian	\زی پرشین
\xepersianversion	\گونه زی پرشین
\xepersiandate	\تاریخ گونه زی پرشین
\XeTeX	\زی تک

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

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست
array	آرایه
center	وسط چین
description	توضیح
displaymath	ریاضی نمایشی

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

Table 4: The Equivalent XePersian Environments

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

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

Table 5: The Equivalent  $\text{\LaTeX}$  position arguments

Position argument in $\text{\LaTeX}$	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).

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

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

Table 6: Persian Equivalent keys of `graphicx` package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدأ
clip	بی اضافه

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

Table 7: Persian Equivalent key values of graphicx package

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

#### 2.4.8 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

*Continued on next page*

Original font feature	Equivalent Persian font feature
ItalicFont	قلم ایتالیک
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کو چک
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 کو چک
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	کد ری
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
ScriptStyle	سبک اسکریپت
ScriptScriptStyle	سبک اسکریپت اسکریپت
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال

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Original font feature	Equivalent Persian font feature
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین

## 2.5 A Sample Input T<sub>E</sub>X File

```

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

```

## 2.6 Font Commands

### 2.6.1 Basic Font Commands

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

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document. If you do not use this command at all, the Persian Modern<sup>2</sup> font will be used for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T<sub>E</sub>X font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form and if you do not use this command at all, the Persian Modern font for digits in math mode will be used.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

### 2.6.2 Defining Extra Persian and Latin Fonts

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

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

---

<sup>2</sup>You do not need to install Persian Modern fonts since they are already included in your TeX distribution.

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

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

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

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

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





### 2.6.3 Choosing Persian Sans Font

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

### 2.6.4 Choosing Persian Mono Font

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

### 2.6.5 Choosing Persian Iranic Font

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

### 2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamilly \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.

If you do not use `\setiraniconfont` command at all, the Persian Modern font will be used.

If you do not use `\setpookfont` command at all, the Persian Modern font will be used.

If you do not use `\setsayehfont` command at all, the Persian Modern font will be used.

- ☞ `\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  $\TeX$  offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{<integer>}` `\adadinumeral{<integer>}` `\tartibinumeral{<integer>}`

☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.

☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.

☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.

☞ `\harfinumeral` returns the **harfi** form of  $\langle integer \rangle$ , where  $1 \leq integer \leq 32$  and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of  $\langle integer \rangle$  respectively, where  $0 \leq integer \leq 999,999,999$ .

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

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

☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form and if you do not use this command at all, the Persian Modern font for digits in math mode will be used.

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

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

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T<sub>E</sub>X's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T<sub>E</sub>X's default font and digits in math mode.

## 4 New Conditionals

### 4.1 Shell escape (or write18) conditional

```
\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 `ل`, `ی`, or `ت` produces the value of the counter printed with (respectively) `\harfi`, `\adadi`, or `\tartibi`.

These letters may be surrounded by any strings involving any other T<sub>E</sub>X expressions, however the tokens `A`, `a`, `I`, `i`, `1`, `ل`, `ی`, `ت` must be inside a `{}` group if they are not to be taken as special.

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

## 5.2 Index Generation

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

## 5.3 Converting Your FarsiT<sub>E</sub>X Files To XePersian or Unicode

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

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

This will convert your `file.ftx` (FarsiT<sub>E</sub>X file) to `file.tex` (XePersian file).

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

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

Where

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

`-s` do not recursively consider files

`-x` (DEFAULT) insert XePersian related commands

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

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

## 6 Extra Packages And Classes

### 6.1 Magazine Typesetting

#### 6.1.1 Introduction

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

#### 6.1.2 Usage

To create<sup>3</sup> a magazine just load the class as usual<sup>4</sup>, with

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

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

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.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 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.

---

<sup>3</sup>For a sample file, please look at `magazine-sample.tex` in the doc folder

<sup>4</sup>You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.

```
\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 [subsubsection 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}{<num-of-columns>}{<title>}{<author>}{<label>}  
...<text>...  
\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}{\<num-of-columns>}{\<title>}{\<subtitle>}{\<label>}
...{\<text>}...
\shortarticleitem{\<title>}{\<text>}
...
\end{shortarticle}
```

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

### 6.1.8 Commands between articles

```
\articlesep \newsection
```

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

```
\newsection{\<section name>}
```

### 6.1.9 Customization

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

### 6.1.10 Front Page

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

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

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

```
\edition \editionformat
```

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

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

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

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

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

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

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

```
\pictureCaptionFormat \pagesFormat
```

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

#### 6.1.11 Inside The Magazine

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

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

`\timestampTxt \timestampSeparator \timestampFormat`

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

`\innerTextFinalMark`

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

`\minraggedcols \raggedFormat`

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

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

`\heading \foot`

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

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

If you still prefer to use `fancyhdr` macros, use them after the `frontpage` environment.

xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

#### 6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but `twoside`, `twocolumn`, `notitlepage` and

**a4paper.** If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

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

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

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

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

## 6.2 Typesetting Multiple-choice Questions

### 6.2.1 Introduction

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

### 6.2.2 Usage

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

### 6.2.3 Loading The Package

You can load the package as usual by:

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

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

### 6.2.4 Creating Questions

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

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

### 6.2.5 The question Environment

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

```
\true \false
```

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

### 6.2.6 Question Numbers

The question environment is associated with a  $\text{\LaTeX}$  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  $\text{\LaTeX}$  in order to get a correctly formatted document.

### 6.2.8 Typesetting corrections

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

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

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

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

### 6.2.9 Important Note

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

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

## 6.3 Customising The Package

### 6.3.1 The `question` environment

`\questionspace \answerstitlefont \answernumberfont`

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a  $\text{\LaTeX}$  length that defaults to `0pt`.

Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used.

Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.



### 6.3.2 The Form and the Mask

`\headerfont \X`

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

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

### 6.3.3 The correction

`\truesymbol \falsesymbol`

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and

`\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

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

`\correctionstyle`

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

## 7 xepersian implementation

### 7.1 algorithmic-xepersian.def

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

### 7.2 algorithm-xepersian.def

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

### 7.3 amsart-xepersian.def

```
8 \ProvidesFile{amsart-xepersian.def}[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     \@makefnfntext{%
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     \@makefnfntext{%
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 \makefnintext{%
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 \makefnintext{%
87 \rule{z@}{footnotesep}\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
88
89
90
91
92
93 \long\def\@RTLfootnotetext#1{%
94 \insert\footins{%
95 \@RTLtrue%
96 \normalfont\footnotesize
97 \interlinepenalty\interfootnotelinepenalty
98 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
99 \floatingpenalty\@MM \hsize\columnwidth
100 \@parboxrestore \parindent\normalparindent \sloppy
101 \protected@edef\@currentlabel{%
102 \csname p@footnote\endcsname\@thefnmark}%
103 \makefnintext{%
104 \rule{z@}{footnotesep}\ignorespaces\persianfont #1\unskip\strut\par}}
105
106

```

```

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

```

## 7.5 article-xepersian.def

```

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

```

## 7.6 artikel1-xepersian.def

```

135 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
136 \renewcommand*\thepart{\@tartibi\c@part}
137 \renewcommand*\appendix{\par
138   \setcounter{section}{0}%
139   \setcounter{subsection}{0}%
140   \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel2-xepersian.def

```

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

```

## 7.8 artikel3-xepersian.def

```

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

```

## 7.9 backref-xepersian.def

```

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

```

## 7.10 bidentuftsidenote-xepersian.def

```

173 \ProvidesFile{bidentuftsidenote-xepersian.def}[2011/06/18 v0.1 xepersian changes to bidentuftsidenote]
174 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
175   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
176   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
177   \ifthenelse{\NOT\isempty{#2}}{%
178     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
179   }{%
180     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
181   }%
182   \ifthenelse{\isempty{#1}}{%
183     % no specific footnote number provided
184     \stepcounter\@mpfn%
185     \protected@xdef\@thefnmark{\thempfn}%
186     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}
187   }{%
188     % specific footnote number provided
189     \begingroup%
190       \csname c@\@mpfn\endcsname #1\relax%
191       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```

```

192 \endgroup%
193 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\latinfont#3}
194 }%
195 \@bidityftesidenote@print@citations%          print any citations
196 \let\cite\@bidityftesidenote@normal\cite%      go back to using normal in-text \cite command
197 \unskip\ignorespaces%                          remove extra white space
198 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
199 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
200 }
201 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
202 \let\cite\@bidityftesidenote@infootnote\cite% use the in-sidenote \cite command
203 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
204 \ifthenelse{\NOT\isempty{#2}}{%
205 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
206 }{%
207 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
208 }%
209 \ifthenelse{\isempty{#1}}{%
210 % no specific footnote number provided
211 \stepcounter\@mpfn%
212 \protected@xdef\@thefnmark{\thempfn}%
213 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
214 }{%
215 % specific footnote number provided
216 \begingroup%
217 \csname c\@mpfn\endcsname #1\relax%
218 \unrestored@protected@xdef\@thefnmark{\thempfn}%
219 \endgroup%
220 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
221 }%
222 \@bidityftesidenote@print@citations%          print any citations
223 \let\cite\@bidityftesidenote@normal\cite%      go back to using normal in-text \cite command
224 \unskip\ignorespaces%                          remove extra white space
225 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
226 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
227 }
228 \renewcommand\LTRmarginnote[2][Opt]{%
229 \let\cite\@bidityftesidenote@infootnote\cite% use the in-sidenote \cite command
230 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
231 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
232 \@bidityftesidenote@print@citations%          print any citations
233 \let\cite\@bidityftesidenote@normal\cite%      go back to using normal in-text \cite command
234 }
235 \renewcommand\RTLmarginnote[2][Opt]{%
236 \let\cite\@bidityftesidenote@infootnote\cite% use the in-sidenote \cite command
237 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
238 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
239 \@bidityftesidenote@print@citations%          print any citations
240 \let\cite\@bidityftesidenote@normal\cite%      go back to using normal in-text \cite command
241 }

```

### 7.11 bidimoderncv-xepersian.def

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

### 7.12 boek3-xepersian.def

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

### 7.13 boek-xepersian.def

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

### 7.14 bookest-xepersian.def

```
266 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
267 \renewcommand \thepart {\@tartibi\c@part}
268 \renewcommand\appendix{\par
269   \setcounter{chapter}{0}%
270   \setcounter{section}{0}%
271   \gdef\@chapapp{\appendixname}%
272   \gdef\thechapter{\@harfi\c@chapter}
273 }%end appendix
```

### 7.15 book-xepersian.def

```
274 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
275 \renewcommand\frontmatter{%
276   \cleardoublepage
277   \@mainmatterfalse
278   \pagenumbering{harfi}}
279 \renewcommand \thepart {\@tartibi\c@part}
280 \renewcommand\appendix{\par
```

```

281 \setcounter{chapter}{0}%
282 \setcounter{section}{0}%
283 \gdef\@chapapp{\appendixname}%
284 \gdef\thechapter{\@harfi\c@chapter}
285 }%end appendix

```

## 7.16 breqn-xepersian.def

```

286 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
287 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
288 \everydisplay\expandafter{\the\everydisplay \display@setup}%
289 \if@noskipsec \leavevmode \fi
290 \if@inlabel \leavevmode \global\@inlabelfalse \fi
291 \if\eq@group\else\eq@prelim\fi
292 \setkeys{breqn}{#1}%
293 \the\eqstyle
294 \eq@setnumber
295 \begingroup
296 \eq@setup@a
297 \eq@startup
298 }
299 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
300 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
301 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
302 \global\let\GRP@label\@empty
303 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
304 \global\grp@linewidth\z@\global\grp@wdNum\z@
305 \global\let\grp@eqs@numbered\@False
306 \global\let\grp@aligned\@True
307 \global\let\grp@shiftnumber\@False
308 \eq@prelim
309 \setkeys{breqn}{#1}%
310 \if\grp@hasNumber \grp@setnumber \fi
311 }
312 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
313 \let\display@setup\dseries@display@setup
314 % Question: should this be the default for dseries???
315 \global\eq@wdCond\z@
316 \@dmath[layout={M},#1]%
317 \mathsurround\z@\@math \penalty\@Mi
318 \let\endmath\ends@math
319 \def\premath{%
320 \ifdim\lastskip<.3em \unskip
321 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
322 }%
323 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
324 \ignorespaces
325 }

```

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



```

326 \ProvidesFile{latex-localise-commands-xepersian.def}[2010/07/25 v0.2 Persian localisation of LaTeX]
327 \eqcommand{ }{@arstrut}
328 \eqcommand{ }{above}
329 \eqcommand{ }{abovedisplayshortskip}
330 \eqcommand{ }{abovedisplayskip}
331 \eqcommand{ }{abstractname}
332 \eqcommand{ }{accent}
333 \eqcommand{ }{active}
334 \eqcommand{ }{addcontentsline}
335 \eqcommand{ }{addpenalty}
336 \eqcommand{ }{address}
337 \eqcommand{ }{addtocontents}
338 \eqcommand{ }{addtocounter}
339 \eqcommand{ }{addtolength}
340 \eqcommand{ }{addvspace}
341 \eqcommand{ }{adjdemerits}
342 \eqcommand{ }{advance}
343 \eqcommand{ }{afterassignment}
344 \eqcommand{ }{aftergroup}
345 \eqcommand{ }{aleph}
346 \eqcommand{ }{aliasfontfeature}
347 \eqcommand{ }{aliasfontfeatureoption}
348 \eqcommand{ }{allowbreak}
349 \eqcommand{ @}{@alloc@}
350 \eqcommand{ }{allocationnumber}
351 \eqcommand{ }{allowdisplaybreaks}
352 \eqcommand{ }{Alph}
353 \eqcommand{ }{alph}
354 \eqcommand{ }{alsoname}
355 \eqcommand{ }{and}
356 \eqcommand{ }{angle}
357 \eqcommand{ }{appendixname}
358 \eqcommand{ }{approx}
359 \eqcommand{ }{arabic}
360 \eqcommand{ }{arg}
361 \eqcommand{ }{arrayrulecolor}
362 \eqcommand{ }{arraycolsep}
363 \eqcommand{ }{arrayrulewidth}
364 \eqcommand{ }{arraystretch}
365 \eqcommand{ }{AtBeginDocument}
366 \eqcommand{ }{AtEndDocument}
367 \eqcommand{ }{AtEndOfClass}
368 \eqcommand{ }{AtEndOfPackage}
369 \eqcommand{ }{author}
370 \eqcommand{ }{backmatter}
371 \eqcommand{ }{backslash}
372 \eqcommand{ }{badness}
373 \eqcommand{ }{bar}
374 \eqcommand{ }{baselineskip}
375 \eqcommand{ }{baselinestretch}

```

```

376 \eqcommand{      }{batchmode}
377 \eqcommand{ }{begin}
378 \eqcommand{ }{beginL}
379 \eqcommand{ }{beginR}
380 \eqcommand{ }{begingroup}
381 \eqcommand{      }{belowdisplayshortskip}
382 \eqcommand{      }{belowdisplayskip}
383 \eqcommand{ }{bf}
384 \eqcommand{      }{bfdefault}
385 \eqcommand{      }{bfseries}
386 \eqcommand{ }{bgroup}
387 \eqcommand{ }{bibitem}
388 \eqcommand{      }{bibliography}
389 \eqcommand{      }{bibliographystyle}
390 \eqcommand{      }{bibname}
391 \eqcommand{      }{bigskip}
392 \eqcommand{      }{bigskipamount}
393 \eqcommand{      }{botfigrule}
394 \eqcommand{      }{botmark}
395 \eqcommand{      }{bottompageskip}
396 \eqcommand{      }{bottomfraction}
397 \eqcommand{ }{box}
398 \eqcommand{      }{boxmaxdepth}
399 \eqcommand{ }{break}
400 \eqcommand{ }{bullet}
401 \eqcommand{ @ }{@cclv}
402 \eqcommand{ @ }{@cclvi}
403 \eqcommand{ }{caption}
404 \eqcommand{ }{catcode}
405 \eqcommand{ }{cc}
406 \eqcommand{      }{ccname}
407 \eqcommand{      }{cdot}
408 \eqcommand{      }{cdots}
409 \eqcommand{      }{centering}
410 \eqcommand{      }{centerline}
411 \eqcommand{ @ }{ch@ck}
412 \eqcommand{ }{chapter}
413 \eqcommand{      }{chaptername}
414 \eqcommand{ }{char}
415 \eqcommand{      }{chardef}
416 \eqcommand{      }{CheckCommand}
417 \eqcommand{ }{cite}
418 \eqcommand{      }{ClassError}
419 \eqcommand{      }{ClassInfo}
420 \eqcommand{      }{ClassWarning}
421 \eqcommand{      }{ClassWarningNoLine}
422 \eqcommand{      }{cleaders}
423 \eqcommand{      }{cleardoublepage}
424 \eqcommand{      }{clearpage}
425 \eqcommand{      }{cline}

```

```

426 \eqcommand{      }\{closein\}
427 \eqcommand{      }\{closeout\}
428 \eqcommand{      }\{closing\}
429 \eqcommand{      }\{clubpenalty\}
430 \eqcommand{      }\{clubsuit\}
431 \eqcommand{      }\{colbotmark\}
432 \eqcommand{      }\{colfirstmark\}
433 \eqcommand{      }\{color\}
434 \eqcommand{      }\{colorbox\}
435 \eqcommand{      }\{coltopmark\}
436 \eqcommand{      }\{columncolor\}
437 \eqcommand{      }\{columnsep\}
438 \eqcommand{      }\{columnwidth\}
439 \eqcommand{      }\{columnseprule\}
440 \eqcommand{      }\{contentsline\}
441 \eqcommand{      }\{contentsname\}
442 \eqcommand{      }\{copy\}
443 \eqcommand{      }\{copyright\}
444 \eqcommand{      }\{count\}
445 \eqcommand{      @}\{count@\}
446 \eqcommand{      }\{countdef\}
447 \eqcommand{      }\{cr\}
448 \eqcommand{      }\{crrcr\}
449 \eqcommand{      }\{csname\}
450 \eqcommand{      }\{CurrentOption\}
451 \eqcommand{      }\{dashbox\}
452 \eqcommand{      }\{dashv\}
453 \eqcommand{@      }\{@date\}
454 \eqcommand{      }\{date\}
455 \eqcommand{      }\{day\}
456 \eqcommand{      }\{dblbotfigrule\}
457 \eqcommand{      }\{dblbottomfraction\}
458 \eqcommand{      }\{dblfigrule\}
459 \eqcommand{      }\{dblfloatpagefraction\}
460 \eqcommand{      }\{dblfloatsep\}
461 \eqcommand{      }\{dblftntlocatecode\}
462 \eqcommand{      }\{dbltextfloatsep\}
463 \eqcommand{      }\{dbltopfraction\}
464 \eqcommand{      }\{DeclareFixedFont\}
465 \eqcommand{      }\{DeclareGraphicsExtensions\}
466 \eqcommand{      }\{DeclareGraphicsRule\}
467 \eqcommand{      }\{DeclareOldFontCommand\}
468 \eqcommand{      }\{DeclareOption\}
469 \eqcommand{      }\{DeclareRobustCommand\}
470 \eqcommand{      }\{DeclareSymbolFont\}
471 \eqcommand{      }\{deadcycles\}
472 \eqcommand{      }\{def\}
473 \eqcommand{      @  }\{define@key\}
474 \eqcommand{      }\{definecolor\}
475 \eqcommand{      }\{deg\}

```

```

476 \eqcommand{      }{delcode}
477 \eqcommand{      }{delimiter}
478 \eqcommand{      }{delimiterfactor}
479 \eqcommand{      }{depth}
480 \eqcommand{      }{diamondsuit}
481 \eqcommand{      }{dim}
482 \eqcommand{      }{dimen}
483 \eqcommand{      }{@}{dimen@}
484 \eqcommand{      }{@ }{dimen@i}
485 \eqcommand{      }{@ }{dimen@ii}
486 \eqcommand{      }{dimendef}
487 \eqcommand{      }{discretionary}
488 \eqcommand{      }{displaybreak}
489 \eqcommand{      }{displayindent}
490 \eqcommand{      }{displaystyle}
491 \eqcommand{      }{displaywidth}
492 \eqcommand{      }{divide}
493 \eqcommand{      }{documentclass}
494 \eqcommand{      }{do}
495 \eqcommand{      }{dospecials}
496 \eqcommand{      }{dot}
497 \eqcommand{      }{doteq}
498 \eqcommand{      }{dotfill}
499 \eqcommand{      }{dots}
500 \eqcommand{      }{doublebox}
501 \eqcommand{      }{doublerulesepcolor}
502 \eqcommand{      }{doublerulesep}
503 \eqcommand{      }{downarrow}
504 \eqcommand{      }{dp}
505 \eqcommand{      }{dump}
506 \eqcommand{      }{edef}
507 \eqcommand{      }{egroup}
508 \eqcommand{      }{eject}
509 \eqcommand{      }{else}
510 \eqcommand{      }{em}
511 \eqcommand{      }{emergencystretch}
512 \eqcommand{      }{emph}
513 \eqcommand{@ }{empty}
514 \eqcommand{      }{empty}
515 \eqcommand{      }{emptyset}
516 \eqcommand{      }{end}
517 \eqcommand{      }{endL}
518 \eqcommand{      }{endR}
519 \eqcommand{      }{endcsname}
520 \eqcommand{      }{endfirsthead}
521 \eqcommand{      }{endfoot}
522 \eqcommand{      }{endgraf}
523 \eqcommand{      }{endgroup}
524 \eqcommand{      }{endhead}
525 \eqcommand{      }{endinput}

```

```

526 \eqcommand{      }\{endlastfoot\}
527 \eqcommand{      }\{enlargethispage\}
528 \eqcommand{      }\{endline\}
529 \eqcommand{      }\{endlinechar\}
530 \eqcommand{      }\{enspace\}
531 \eqcommand{      }\{enskip\}
532 \eqcommand{      }\{eqcommand\}
533 \eqcommand{      }\{eqenvironment\}
534 \eqcommand{      }\{eqref\}
535 \eqcommand{      }\{errhelp\}
536 \eqcommand{      }\{errmessage\}
537 \eqcommand{      }\{errorcontextlines\}
538 \eqcommand{      }\{errorstopmode\}
539 \eqcommand{      }\{escapechar\}
540 \eqcommand{      }\{euro\}
541 \eqcommand{      }\{evensidemargin\}
542 \eqcommand{      }\{everycr\}
543 \eqcommand{      }\{everydisplay\}
544 \eqcommand{      }\{everyhbox\}
545 \eqcommand{      }\{everyjob\}
546 \eqcommand{      }\{everymath\}
547 \eqcommand{      }\{everypar\}
548 \eqcommand{      }\{everyvbox\}
549 \eqcommand{      }\{ExecuteOptions\}
550 \eqcommand{      }\{exhyphenpenalty\}
551 \eqcommand{      }\{expandafter\}
552 \eqcommand{      }\{extracolsep\}
553 \eqcommand{@      }\{@firstofone\}
554 \eqcommand{@      }\{@firstoftwo\}
555 \eqcommand{ @ } \{f@ur\}
556 \eqcommand{      }\{fam\}
557 \eqcommand{      }\{fancypage\}
558 \eqcommand{      }\{fbox\}
559 \eqcommand{      }\{fboxrule\}
560 \eqcommand{      }\{fboxsep\}
561 \eqcommand{      }\{fcolorbox\}
562 \eqcommand{      }\{fi\}
563 \eqcommand{      }\{figurename\}
564 \eqcommand{      }\{filbreak\}
565 \eqcommand{      }\{fill\}
566 \eqcommand{      }\{firstmark\}
567 \eqcommand{      }\{flat\}
568 \eqcommand{      }\{floatpagefraction\}
569 \eqcommand{      }\{floatingpenalty\}
570 \eqcommand{      }\{floatsep\}
571 \eqcommand{      }\{flushbottom\}
572 \eqcommand{      }\{fmtname\}
573 \eqcommand{      }\{fmtversion\}
574 \eqcommand{      }\{fnsymbol\}
575 \eqcommand{      }\{font\}

```

```

576 \eqcommand{ }{fontdimen}
577 \eqcommand{ }{fontencoding}
578 \eqcommand{ }{fontfamily}
579 \eqcommand{ }{fontname}
580 \eqcommand{ }{fontseries}
581 \eqcommand{ }{fontshape}
582 \eqcommand{ }{fontsize}
583 \eqcommand{ }{footheight}
584 \eqcommand{ }{footins}
585 \eqcommand{ }{footnote}
586 \eqcommand{ }{footnotemark}
587 \eqcommand{ }{footnoterule}
588 \eqcommand{ }{footnotesep}
589 \eqcommand{ }{footnotesize}
590 \eqcommand{ }{footnotetext}
591 \eqcommand{ }{footskip}
592 \eqcommand{ }{frame}
593 \eqcommand{ }{framebox}
594 \eqcommand{ }{frenchspacing}
595 \eqcommand{ }{frontmatter}
596 \eqcommand{ }{futurelet}
597 \eqcommand{@ }{@gobble}
598 \eqcommand{@ }{@gobbletwo}
599 \eqcommand{@ }{@gobblefour}
600 \eqcommand{@ }{@gtempa}
601 \eqcommand{@ }{@gtempb}
602 \eqcommand{ }{gdef}
603 \eqcommand{ }{GenericInfo}
604 \eqcommand{ }{GenericWarning}
605 \eqcommand{ }{GenericError}
606 \eqcommand{ }{global}
607 \eqcommand{ }{globaldefs}
608 \eqcommand{ }{glossary}
609 \eqcommand{ }{glossaryentry}
610 \eqcommand{ }{goodbreak}
611 \eqcommand{ }{graphpaper}
612 \eqcommand{ }{guillemotleft}
613 \eqcommand{ }{guillemotright}
614 \eqcommand{ }{guilsinglleft}
615 \eqcommand{ }{guilsinglright}
616 \eqcommand{ }{halign}
617 \eqcommand{ }{hang}
618 \eqcommand{ }{hangafter}
619 \eqcommand{ }{hangindent}
620 \eqcommand{ }{hbadness}
621 \eqcommand{ }{hbox}
622 \eqcommand{ }{headheight}
623 \eqcommand{ }{headsep}
624 \eqcommand{ }{headtoname}
625 \eqcommand{ }{heartsuit}

```

```

626 \eqcommand{ }{height}
627 \eqcommand{ }{hfil}
628 \eqcommand{ }{hfill}
629 \eqcommand{ }{hfilneg}
630 \eqcommand{ }{hfuzz}
631 \eqcommand{ }{hideskip}
632 \eqcommand{ }{hidewidth}
633 \eqcommand{ }{hline}
634 \eqcommand{ }{hoffset}
635 \eqcommand{ }{holdinginserts}
636 \eqcommand{ }{hrboxsep}
637 \eqcommand{ }{hrule}
638 \eqcommand{ }{hrulefill}
639 \eqcommand{ }{hsize}
640 \eqcommand{ }{hskip}
641 \eqcommand{ }{hspace}
642 \eqcommand{ }{hss}
643 \eqcommand{ }{ht}
644 \eqcommand{ }{huge}
645 \eqcommand{ }{Huge}
646 \eqcommand{ }{hyperlink}
647 \eqcommand{ }{hypersetup}
648 \eqcommand{ }{hypertarget}
649 \eqcommand{ }{hyphenation}
650 \eqcommand{ }{hyphenchar}
651 \eqcommand{ }{hyphenpenalty}
652 \eqcommand{@ }{@ifclassloaded}
653 \eqcommand{@ }{@ifdefinable}
654 \eqcommand{@ }{@ifnextchar}
655 \eqcommand{@ }{@ifpackageloaded}
656 \eqcommand{@ }{@ifstar}
657 \eqcommand{@ }{@ifundefined}
658 \eqcommand{ }{if}
659 \eqcommand{ @ }{if@tempswa}
660 \eqcommand{ }{ifcase}
661 \eqcommand{ }{ifcat}
662 \eqcommand{ }{ifdefined}
663 \eqcommand{ }{ifdim}
664 \eqcommand{ }{ifeof}
665 \eqcommand{ }{iff}
666 \eqcommand{ }{iffalse}
667 \eqcommand{ }{IfFileExists}
668 \eqcommand{ }{ifhbox}
669 \eqcommand{ }{ifhmode}
670 \eqcommand{ }{ifinner}
671 \eqcommand{ }{ifmmode}
672 \eqcommand{ }{ifnum}
673 \eqcommand{ }{ifodd}
674 \eqcommand{ }{ifthenelse}
675 \eqcommand{ }{iftrue}

```

```

676 \eqcommand{    }\{ifvbox}
677 \eqcommand{    }\{ifvmode}
678 \eqcommand{    }\{ifvoid}
679 \eqcommand{    }\{ifx}
680 \eqcommand{    }\{ignorespaces}
681 \eqcommand{    }\{immediate}
682 \eqcommand{    }\{include}
683 \eqcommand{    }\{includegraphics}
684 \eqcommand{    }\{includeonly}
685 \eqcommand{    }\{indent}
686 \eqcommand{    }\{index}
687 \eqcommand{    }\{indexentry}
688 \eqcommand{    }\{indexname}
689 \eqcommand{    }\{indexspace}
690 \eqcommand{    }\{input}
691 \eqcommand{    }\{InputIfFileExists}
692 \eqcommand{    }\{inputlineno}
693 \eqcommand{    }\{insert}
694 \eqcommand{    }\{insertpenalties}
695 \eqcommand{    }\{interfootnotelinepenalty}
696 \eqcommand{    }\{interdisplaylinepenalty}
697 \eqcommand{    }\{interlinepenalty}
698 \eqcommand{    }\{intertext}
699 \eqcommand{    }\{intertextsep}
700 \eqcommand{    }\{invisible}
701 \eqcommand{    }\{itdefault}
702 \eqcommand{    }\{itshape}
703 \eqcommand{    }\{item}
704 \eqcommand{    }\{itemindent}
705 \eqcommand{    }\{itemsep}
706 \eqcommand{    }\{iterate}
707 \eqcommand{    }\{itshape}
708 \eqcommand{    }\{jobname}
709 \eqcommand{    }\{jot}
710 \eqcommand{    }\{kern}
711 \eqcommand{    }\{kill}
712 \eqcommand{    }\{label}
713 \eqcommand{    }\{labelenumi}
714 \eqcommand{    }\{labelenumii}
715 \eqcommand{    }\{labelenumiii}
716 \eqcommand{    }\{labelenumiv}
717 \eqcommand{    }\{labelitemi}
718 \eqcommand{    }\{labelitemii}
719 \eqcommand{    }\{labelitemiii}
720 \eqcommand{    }\{labelitemiv}
721 \eqcommand{    }\{labelsep}
722 \eqcommand{    }\{labelwidth}
723 \eqcommand{    }\{language}
724 \eqcommand{    }\{large}
725 \eqcommand{    }\{Large}

```



```

726 \eqcommand{    }{LARGE}
727 \eqcommand{    }{lastbox}
728 \eqcommand{    }{lastkern}
729 \eqcommand{    }{lastpenalty}
730 \eqcommand{    }{lastskip}
731 \eqcommand{ }{LaTeX}
732 \eqcommand{ }{LaTeXe}
733 \eqcommand{ }{lccode}
734 \eqcommand{ }{ldots}
735 \eqcommand{ }{leaders}
736 \eqcommand{ }{leavevmode}
737 \eqcommand{ }{left}
738 \eqcommand{ }{leftmargin}
739 \eqcommand{ }{leftmargini}
740 \eqcommand{ }{leftmarginii}
741 \eqcommand{ }{leftmarginiii}
742 \eqcommand{ }{leftmarginiv}
743 \eqcommand{ }{leftmarginv}
744 \eqcommand{ }{leftmarginvi}
745 \eqcommand{ }{leftmark}
746 \eqcommand{ }{leftpageskip}
747 \eqcommand{ }{leftskip}
748 \eqcommand{ }{let}
749 \eqcommand{ }{line}
750 \eqcommand{ }{linebreak}
751 \eqcommand{ }{linepenalty}
752 \eqcommand{ }{lineskip}
753 \eqcommand{ }{lineskiplimit}
754 \eqcommand{ }{linespread}
755 \eqcommand{ }{linethickness}
756 \eqcommand{ }{linewidth}
757 \eqcommand{ }{listfigurename}
758 \eqcommand{ }{listfiles}
759 \eqcommand{ }{listoffigures}
760 \eqcommand{ }{listoftables}
761 \eqcommand{ }{listparindent}
762 \eqcommand{ }{listtablename}
763 \eqcommand{ }{LoadClass}
764 \eqcommand{ }{LoadClassWithOptions}
765 \eqcommand{ }{location}
766 \eqcommand{ }{long}
767 \eqcommand{ }{looseness}
768 \eqcommand{ }{lower}
769 \eqcommand{@ }{@makeother}
770 \eqcommand{@ }{@m}
771 \eqcommand{ @ }{@M}
772 \eqcommand{ @ }{@Mi}
773 \eqcommand{ @ }{@Mii}
774 \eqcommand{ @ }{@Miii}
775 \eqcommand{ @ }{@Miv}

```

```

776 \eqcommand{ @ }{@MM}
777 \eqcommand{ @ }{m@ne}
778 \eqcommand{   }{mag}
779 \eqcommand{   }{magstep}
780 \eqcommand{   }{magstephalf}
781 \eqcommand{   }{mainmatter}
782 \eqcommand{   }{makeatletter}
783 \eqcommand{   }{makeatother}
784 \eqcommand{   }{makebox}
785 \eqcommand{   }{makeglossary}
786 \eqcommand{   }{makeindex}
787 \eqcommand{   }{makelabel}
788 \eqcommand{   }{makelabels}
789 \eqcommand{   }{MakeLowercase}
790 \eqcommand{   }{maketitle}
791 \eqcommand{   }{MakeUppercase}
792 \eqcommand{   }{marginpar}
793 \eqcommand{   }{marginparpush}
794 \eqcommand{   }{marginparsep}
795 \eqcommand{   }{marginparwidth}
796 \eqcommand{   }{mark}
797 \eqcommand{   }{markboth}
798 \eqcommand{   }{markright}
799 \eqcommand{   }{mathaccent}
800 \eqcommand{   }{mathchar}
801 \eqcommand{   }{mathchardef}
802 \eqcommand{   }{mathcode}
803 \eqcommand{   }{mathrm}
804 \eqcommand{   }{maxdeadcycles}
805 \eqcommand{   }{maxdepth}
806 \eqcommand{   }{maxdimen}
807 \eqcommand{   }{mbox}
808 \eqcommand{   }{mdseries}
809 \eqcommand{   }{meaning}
810 \eqcommand{   }{mediumseries}
811 \eqcommand{   }{medmuskip}
812 \eqcommand{   }{medskip}
813 \eqcommand{   }{medskipamount}
814 \eqcommand{   }{medspace}
815 \eqcommand{   }{message}
816 \eqcommand{   }{MessageBreak}
817 \eqcommand{   }{minrowclearance}
818 \eqcommand{   }{mkern}
819 \eqcommand{   }{month}
820 \eqcommand{   }{moveleft}
821 \eqcommand{   }{moveright}
822 \eqcommand{   }{mskip}
823 \eqcommand{ @ }{m@th}
824 \eqcommand{   }{multicolumn}
825 \eqcommand{   }{multiply}

```

```

826 \eqcommand{      }{multispan}
827 \eqcommand{      }{muskip}
828 \eqcommand{      }{muskipdef}
829 \eqcommand{@      }{@namedef}
830 \eqcommand{@      }{@nameuse}
831 \eqcommand{@}{@ne}
832 \eqcommand{ }{name}
833 \eqcommand{ }{natural}
834 \eqcommand{ }{nearrow}
835 \eqcommand{ }{nearrower}
836 \eqcommand{      }{NeedsTeXFormat}
837 \eqcommand{ }{neg}
838 \eqcommand{      }{negmedspace}
839 \eqcommand{      }{negthickspace}
840 \eqcommand{      }{negthinspace}
841 \eqcommand{ }{newboolean}
842 \eqcommand{ }{newbox}
843 \eqcommand{ }{newcommand}
844 \eqcommand{ }{newcount}
845 \eqcommand{ }{newcounter}
846 \eqcommand{ }{newdimen}
847 \eqcommand{ }{newenvironment}
848 \eqcommand{ }{newfam}
849 \eqcommand{ }{newfont}
850 \eqcommand{ }{newhelp}
851 \eqcommand{ }{newinsert}
852 \eqcommand{ }{newlabel}
853 \eqcommand{ }{newlength}
854 \eqcommand{ }{newline}
855 \eqcommand{ }{newlinechar}
856 \eqcommand{ }{newmuskip}
857 \eqcommand{ }{newpage}
858 \eqcommand{ }{newread}
859 \eqcommand{ }{newsavebox}
860 \eqcommand{ }{newskip}
861 \eqcommand{ }{newtheorem}
862 \eqcommand{ }{newtoks}
863 \eqcommand{ }{newwrite}
864 \eqcommand{ }{noalign}
865 \eqcommand{ }{nobreak}
866 \eqcommand{      }{nobreakspace}
867 \eqcommand{ }{nocite}
868 \eqcommand{ }{noexpand}
869 \eqcommand{ }{nofiles}
870 \eqcommand{ }{noindent}
871 \eqcommand{ }{nointerlineskip}
872 \eqcommand{ }{nolimits}
873 \eqcommand{ }{nolinebreak}
874 \eqcommand{      }{nonstopmode}
875 \eqcommand{      }{nonfrenchspacing}

```

```

876 \eqcommand{      }\{nonumber\}
877 \eqcommand{      }\{nopagebreak\}
878 \eqcommand{      }\{normalbaselines\}
879 \eqcommand{      }\{normalbaselineskip\}
880 \eqcommand{      }\{normalcolor\}
881 \eqcommand{      }\{normalfont\}
882 \eqcommand{      }\{normallineskip\}
883 \eqcommand{      }\{normallineskiplimit\}
884 \eqcommand{      }\{normalmarginpar\}
885 \eqcommand{      }\{normalsize\}
886 \eqcommand{      }\{notag\}
887 \eqcommand{      }\{null\}
888 \eqcommand{      }\{nullfont\}
889 \eqcommand{      }\{number\}
890 \eqcommand{      }\{numberline\}
891 \eqcommand{      }\{numberwithin\}
892 \eqcommand{      }\{@evenfoot\}
893 \eqcommand{      }\{@evenhead\}
894 \eqcommand{      }\{@oddfoot\}
895 \eqcommand{      }\{@oddhead\}
896 \eqcommand{      }\{@outeqntrue\}
897 \eqcommand{      }\{@outeqnfalse\}
898 \eqcommand{      }\{obeylines\}
899 \eqcommand{      }\{obeyspaces\}
900 \eqcommand{      }\{oddsidemargin\}
901 \eqcommand{      }\{offinterlineskip\}
902 \eqcommand{      }\{omit\}
903 \eqcommand{@      }\{@onlypreamble\}
904 \eqcommand{      }\{onecolumn\}
905 \eqcommand{      }\{onlynotes\}
906 \eqcommand{      }\{onlyslides\}
907 \eqcommand{      }\{openin\}
908 \eqcommand{      }\{openout\}
909 \eqcommand{      }\{OptionNotUsed\}
910 \eqcommand{ } \{or\}
911 \eqcommand{      }\{outer\}
912 \eqcommand{      }\{output\}
913 \eqcommand{      }\{outputpenalty\}
914 \eqcommand{      }\{overfullrule\}
915 \eqcommand{@      }\{@preamblecmds\}
916 \eqcommand{@ } \{p@\}
917 \eqcommand{      }\{PackageError\}
918 \eqcommand{      }\{PackageInfo\}
919 \eqcommand{      }\{PackageWarning\}
920 \eqcommand{      }\{PackageWarningNoLine\}
921 \eqcommand{      }\{pagebreak\}
922 \eqcommand{      }\{pagecolor\}
923 \eqcommand{      }\{pagedepth\}
924 \eqcommand{      }\{pagefilllstretch\}
925 \eqcommand{      }\{pagefillstretch\}

```

```

926 \eqcommand{      }{pagefilstretch}
927 \eqcommand{      }{pagegoal}
928 \eqcommand{      }{pagename}
929 \eqcommand{      }{pagenumbering}
930 \eqcommand{      }{pageref}
931 \eqcommand{      }{pagerulewidth}
932 \eqcommand{      }{pageshrink}
933 \eqcommand{      }{pagestretch}
934 \eqcommand{      }{pagestyle}
935 \eqcommand{      }{pagetotal}
936 \eqcommand{      }{paperheight}
937 \eqcommand{      }{paperwidth}
938 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
939 \eqcommand{      }{paragraph}
940 \eqcommand{      }{parallel}
941 \eqcommand{      }{parbox}
942 \eqcommand{      }{parfillskip}
943 \eqcommand{      }{parindent}
944 \eqcommand{      }{parsep}
945 \eqcommand{      }{parshape}
946 \eqcommand{      }{parskip}
947 \eqcommand{ }{part}
948 \eqcommand{      }{partname}
949 \eqcommand{      }{partopsep}
950 \eqcommand{      }{PassOptionToClass}
951 \eqcommand{      }{PassOptionToPackage}
952 \eqcommand{ }{path}
953 \eqcommand{      }{patterns}
954 \eqcommand{ }{pausing}
955 \eqcommand{      }{penalty}
956 \eqcommand{ }{phantom}
957 \eqcommand{      }{poptabs}
958 \eqcommand{      }{postdisplaypenalty}
959 \eqcommand{      }{predisplaydirection}
960 \eqcommand{      }{predisplaypenalty}
961 \eqcommand{      }{predisplaysize}
962 \eqcommand{      }{pretolerance}
963 \eqcommand{      }{prevdepth}
964 \eqcommand{      }{prevgraf}
965 \eqcommand{      }{printindex}
966 \eqcommand{      }{ProcessOptions}
967 \eqcommand{ }{protect}
968 \eqcommand{      }{providecommand}
969 \eqcommand{      }{ProvidesClass}
970 \eqcommand{      }{ProvidesFile}
971 \eqcommand{      }{ProvidesPackage}
972 \eqcommand{      }{pushtabs}
973 \eqcommand{ }{quad}
974 \eqcommand{      }{qqquad}
975 \eqcommand{@      }{@outputpagerestore}

```

```

976 \eqcommand{      }{radical}
977 \eqcommand{      }{raggedbottom}
978 \eqcommand{      }{raggedleft}
979 \eqcommand{      }{raggedright}
980 \eqcommand{      }{raise}
981 \eqcommand{      }{raisebox}
982 \eqcommand{      }{raisetag}
983 \eqcommand{      }{rangle}
984 \eqcommand{      }{rceil}
985 \eqcommand{      }{read}
986 \eqcommand{      }{ref}
987 \eqcommand{      }{reflectbox}
988 \eqcommand{      }{refname}
989 \eqcommand{      }{refstepcounter}
990 \eqcommand{      }{relax}
991 \eqcommand{      }{removelastskip}
992 \eqcommand{      }{renewcommand}
993 \eqcommand{      }{renewenvironment}
994 \eqcommand{      }{RequirePackage}
995 \eqcommand{      }{RequirePackageWithOptions}
996 \eqcommand{      }{resizebox}
997 \eqcommand{      }{reversemarginpar}
998 \eqcommand{      }{rfloor}
999 \eqcommand{      }{right}
1000 \eqcommand{      }{rightmargin}
1001 \eqcommand{      }{rightmark}
1002 \eqcommand{      }{rightpageskip}
1003 \eqcommand{      }{rightskip}
1004 \eqcommand{      }{rmdefault}
1005 \eqcommand{      }{rmfamily}
1006 \eqcommand{      }{Roman}
1007 \eqcommand{      }{roman}
1008 \eqcommand{      }{romannumeral}
1009 \eqcommand{      }{rotatebox}
1010 \eqcommand{      }{rowcolor}
1011 \eqcommand{      }{rule}
1012 \eqcommand{@      }{@secondoftwo}
1013 \eqcommand{@      }{@spaces}
1014 \eqcommand{      }{samepage}
1015 \eqcommand{      }{savebox}
1016 \eqcommand{      }{sbox}
1017 \eqcommand{      }{scalebox}
1018 \eqcommand{      }{scdefault}
1019 \eqcommand{      }{scshape}
1020 \eqcommand{      }{setkeys}
1021 \eqcommand{      }{scriptfont}
1022 \eqcommand{      }{scriptscriptfont}
1023 \eqcommand{      }{scriptscriptstyle}
1024 \eqcommand{      }{scriptsize}
1025 \eqcommand{      }{scripstyle}

```

```

1026 \eqcommand{      }{scrollmode}
1027 \eqcommand{ }{section}
1028 \eqcommand{      }{secdef}
1029 \eqcommand{      }{see}
1030 \eqcommand{      }{seealso}
1031 \eqcommand{      }{seename}
1032 \eqcommand{      }{selectfont}
1033 \eqcommand{      }{setboolean}
1034 \eqcommand{      }{setbox}
1035 \eqcommand{      }{setcounter}
1036 \eqcommand{      }{setlength}
1037 \eqcommand{      }{setminus}
1038 \eqcommand{      }{SetSymbolFont}
1039 \eqcommand{      }{settodepth}
1040 \eqcommand{      }{settoheight}
1041 \eqcommand{      }{settowidth}
1042 \eqcommand{      }{sfcode}
1043 \eqcommand{      }{sfdefault}
1044 \eqcommand{      }{sffamily}
1045 \eqcommand{      }{shadowbox}
1046 \eqcommand{ }{sharp}
1047 \eqcommand{      }{shipout}
1048 \eqcommand{      }{shortstack}
1049 \eqcommand{      }{show}
1050 \eqcommand{      }{showbox}
1051 \eqcommand{      }{showboxbreadth}
1052 \eqcommand{      }{showboxdepth}
1053 \eqcommand{      }{showlists}
1054 \eqcommand{      }{showthe}
1055 \eqcommand{      }{simplefontmode}
1056 \eqcommand{ @}{sist@@n}
1057 \eqcommand{      }{skewchar}
1058 \eqcommand{      }{skip}
1059 \eqcommand{ @}{skip@}
1060 \eqcommand{      }{skipdef}
1061 \eqcommand{      }{sl}
1062 \eqcommand{      }{sldefault}
1063 \eqcommand{      }{slshape}
1064 \eqcommand{      }{sloppy}
1065 \eqcommand{      }{slshape}
1066 \eqcommand{      }{small}
1067 \eqcommand{      }{smallskip}
1068 \eqcommand{      }{smallskipamount}
1069 \eqcommand{      }{smash}
1070 \eqcommand{      }{smile}
1071 \eqcommand{      }{snglftlocatencode}
1072 \eqcommand{      }{space}
1073 \eqcommand{      }{spacefactor}
1074 \eqcommand{      }{spaceskip}
1075 \eqcommand{      }{spadesuit}

```

```

1076 \eqcommand{ }{span}
1077 \eqcommand{ }{special}
1078 \eqcommand{ }{splitmaxdepth}
1079 \eqcommand{ }{splittopskip}
1080 \eqcommand{ }{star}
1081 \eqcommand{ }{stepcounter}
1082 \eqcommand{ }{stretch}
1083 \eqcommand{ }{string}
1084 \eqcommand{ }{strut}
1085 \eqcommand{ }{strutbox}
1086 \eqcommand{ }{subitem}
1087 \eqcommand{ }{subparagraph}
1088 \eqcommand{ }{subsection}
1089 \eqcommand{ }{substack}
1090 \eqcommand{ }{subsubitem}
1091 \eqcommand{ }{subsubsection}
1092 \eqcommand{ }{subset}
1093 \eqcommand{ }{subseteq}
1094 \eqcommand{ }{supereject}
1095 \eqcommand{ }{suppressfloats}
1096 \eqcommand{@ }{@tempa}
1097 \eqcommand{@ }{@tempb}
1098 \eqcommand{@ }{@tempc}
1099 \eqcommand{@ }{@tempd}
1100 \eqcommand{@ }{@tempe}
1101 \eqcommand{@ }{@tempboxa}
1102 \eqcommand{@ }{@tempcnta}
1103 \eqcommand{@ }{@tempcntb}
1104 \eqcommand{@ }{@tempdima}
1105 \eqcommand{@ }{@tempdimb}
1106 \eqcommand{@ }{@tempdimc}
1107 \eqcommand{@ }{@tempskipa}
1108 \eqcommand{@ }{@tempskipb}
1109 \eqcommand{@ }{@tempswafalse}
1110 \eqcommand{@ }{@tempswatruel}
1111 \eqcommand{@ }{@temptokena}
1112 \eqcommand{ }{@thefnmark}
1113 \eqcommand{@ }{@thirdofthree}
1114 \eqcommand{ }{tabbingsep}
1115 \eqcommand{ }{tabcolsep}
1116 \eqcommand{ }{tableofcontents}
1117 \eqcommand{ }{tablename}
1118 \eqcommand{ }{tabskip}
1119 \eqcommand{ }{tabularnewline}
1120 \eqcommand{ }{tag}
1121 \eqcommand{ }{telephone}
1122 \eqcommand{ }{TeX}
1123 \eqcommand{ }{text}
1124 \eqcommand{ }{textbullet}
1125 \eqcommand{ }{textfont}

```



```

1126 \eqcommand{ }{\textemdash}
1127 \eqcommand{ }{\textendash}
1128 \eqcommand{ }{\textexclamdown}
1129 \eqcommand{ }{\textperiodcentered}
1130 \eqcommand{ }{\textquestiondown}
1131 \eqcommand{ }{\textquotedblleft}
1132 \eqcommand{ }{\textquotedblright}
1133 \eqcommand{ }{\textquoteleft}
1134 \eqcommand{ }{\textquoteright}
1135 \eqcommand{ }{\textvisiblespace}
1136 \eqcommand{ }{\textbackslash}
1137 \eqcommand{ }{\textbar}
1138 \eqcommand{ }{\textgreater}
1139 \eqcommand{ }{\textless}
1140 \eqcommand{ }{\textbf}
1141 \eqcommand{ }{\textcircled}
1142 \eqcommand{ }{\textcolor}
1143 \eqcommand{ }{\textcompwordmark}
1144 \eqcommand{ }{\textfloatsep}
1145 \eqcommand{ }{\textfraction}
1146 \eqcommand{ }{\textheight}
1147 \eqcommand{ }{\textindent}
1148 \eqcommand{ }{\textit}
1149 \eqcommand{ }{\textmd}
1150 \eqcommand{ }{\textnormal}
1151 \eqcommand{ }{\textregistered}
1152 \eqcommand{ }{\textrm}
1153 \eqcommand{ }{\textsc}
1154 \eqcommand{ }{\textsf}
1155 \eqcommand{ }{\textsl}
1156 \eqcommand{ }{\textstyle}
1157 \eqcommand{ }{\textsuperscript}
1158 \eqcommand{ }{\texttrademark}
1159 \eqcommand{ }{\texttt}
1160 \eqcommand{ }{\textup}
1161 \eqcommand{ }{\textwidth}
1162 \eqcommand{ }{\thanks}
1163 \eqcommand{ }{\the}
1164 \eqcommand{ }{\thempfn}
1165 \eqcommand{ }{\thicklines}
1166 \eqcommand{ }{\thickmuskip}
1167 \eqcommand{ }{\thinmuskip}
1168 \eqcommand{ }{\thickspace}
1169 \eqcommand{ }{\thinlines}
1170 \eqcommand{ }{\thinspace}
1171 \eqcommand{ }{\thisfancy page}
1172 \eqcommand{ }{\thispagestyle}
1173 \eqcommand{ @}{\thr@@}
1174 \eqcommand{ }{\tilde}
1175 \eqcommand{ }{\tiny}

```

```

1176 \eqcommand{ }{time}
1177 \eqcommand{ }{times}
1178 \eqcommand{ }{title}
1179 \eqcommand{ }{to}
1180 \eqcommand{ }{today}
1181 \eqcommand{ }{toks}
1182 \eqcommand{ }{toksdef}
1183 \eqcommand{ }{tolerance}
1184 \eqcommand{ }{top}
1185 \eqcommand{ }{topfigrule}
1186 \eqcommand{ }{topfraction}
1187 \eqcommand{ }{topmargin}
1188 \eqcommand{ }{topmark}
1189 \eqcommand{ }{toppageskip}
1190 \eqcommand{ }{topsep}
1191 \eqcommand{ }{topskip}
1192 \eqcommand{ }{totalheight}
1193 \eqcommand{ }{tracingall}
1194 \eqcommand{ }{tracingcommands}
1195 \eqcommand{ }{tracinglostchars}
1196 \eqcommand{ }{tracingmacros}
1197 \eqcommand{ }{tracingonline}
1198 \eqcommand{ }{tracingoutput}
1199 \eqcommand{ }{tracingpages}
1200 \eqcommand{ }{tracingparagraphs}
1201 \eqcommand{ }{tracingrestores}
1202 \eqcommand{ }{tracingstats}
1203 \eqcommand{ }{triangle}
1204 \eqcommand{ }{ttdefault}
1205 \eqcommand{ }{ttfamily}
1206 \eqcommand{ @}{tw@}
1207 \eqcommand{ }{twocolumn}
1208 \eqcommand{ }{typein}
1209 \eqcommand{ }{typeout}
1210 \eqcommand{ }{uccode}
1211 \eqcommand{ }{uchyph}
1212 \eqcommand{ }{underline}
1213 \eqcommand{ }{unhbox}
1214 \eqcommand{ }{unhcopy}
1215 \eqcommand{ }{unitlength}
1216 \eqcommand{ }{unkern}
1217 \eqcommand{ }{unpenalty}
1218 \eqcommand{ }{unskip}
1219 \eqcommand{ }{unvbox}
1220 \eqcommand{ }{unvcopy}
1221 \eqcommand{ }{updefault}
1222 \eqcommand{ }{upshape}
1223 \eqcommand{ }{usebox}
1224 \eqcommand{ }{usecounter}
1225 \eqcommand{ }{usefont}

```

```

1226 \eqcommand{      }{usepackage}
1227 \eqcommand{@      }{@vobeyspaces}
1228 \eqcommand{@      }{@void}
1229 \eqcommand{      }{vadjust}
1230 \eqcommand{      }{valign}
1231 \eqcommand{      }{value}
1232 \eqcommand{      }{vbadness}
1233 \eqcommand{      }{vbox}
1234 \eqcommand{      }{vcenter}
1235 \eqcommand{      }{verb}
1236 \eqcommand{      }{vfil}
1237 \eqcommand{      }{vfill}
1238 \eqcommand{      }{vfilneg}
1239 \eqcommand{      }{vfuzz}
1240 \eqcommand{      }{visible}
1241 \eqcommand{      }{vline}
1242 \eqcommand{      }{voffset}
1243 \eqcommand{      @ }{@voidb@x}
1244 \eqcommand{      }{vpageref}
1245 \eqcommand{      }{vrboxsep}
1246 \eqcommand{      }{vref}
1247 \eqcommand{      }{vrule}
1248 \eqcommand{      }{vsize}
1249 \eqcommand{      }{vskip}
1250 \eqcommand{      }{vspace}
1251 \eqcommand{      }{vsplit}
1252 \eqcommand{      }{vss}
1253 \eqcommand{      }{vtop}
1254 \eqcommand{      }{wd}
1255 \eqcommand{      }{whiledo}
1256 \eqcommand{      }{widehat}
1257 \eqcommand{      }{widetilde}
1258 \eqcommand{      }{widowpenalty}
1259 \eqcommand{      }{width}
1260 \eqcommand{      }{wlog}
1261 \eqcommand{      }{write}
1262 \eqcommand{@      }{@xobeysp}
1263 \eqcommand{@ @ }{@xxxii}
1264 \eqcommand{      }{xdef}
1265 \eqcommand{      }{xleaders}
1266 \eqcommand{      }{xspaceskip}
1267 \eqcommand{      }{year}
1268 \eqcommand{@ }{z@}
1269 \eqcommand{@      }{z@skip}

```

## 7.18 color-localise-xepersian.def

```

1270 color}          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1271 rgb}{0}{      } \0,,0}
1272 rgb}{1}{      } \1,,1}

```

```

1273 rgb}{1}{ } \0,,0}
1274 rgb}{0}{ } \1,,0}
1275 rgb}{0}{ } \0,,1}
1276 cmyk}{1}{ } \0,,0,0}
1277 cmyk}{0}{ } \1,,0,0}
1278 cmyk}{0}{ } \0,,1,0}

```

## 7.19 xepersian-localise-commands-xepersian.def

```

1279 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1280 \eqcommand{ }{autofootnoterule}
1281 \eqcommand{ }{AutoMathsDigits}
1282 \eqcommand{ }{DefaultMathsDigits}
1283 \eqcommand{ @ }{keyval@eq@alias@key}
1284 \eqcommand{ }{deflatinfont}
1285 \eqcommand{ }{defpersianfont}
1286 \eqcommand{ }{hboxL}
1287 \eqcommand{ }{hboxR}
1288 \eqcommand{ }{Latincite}
1289 \eqcommand{ }{latinfont}
1290 \eqcommand{ }{latintoday}
1291 \eqcommand{ }{leftfootnoterule}
1292 \eqcommand{ }{lr}
1293 \eqcommand{ }{LRE}
1294 \eqcommand{ }{LTRdblcol}
1295 \eqcommand{ }{LTRfootnote}
1296 \eqcommand{ }{LTRfootnotetext}
1297 \eqcommand{ }{LTRthanks}
1298 \eqcommand{ }{persianday}
1299 \eqcommand{ }{persianfont}
1300 \eqcommand{ }{PersianMathsDigits}
1301 \eqcommand{ }{persianmonth}
1302 \eqcommand{ }{persianyear}
1303 \eqcommand{ }{plq}
1304 \eqcommand{ }{prq}
1305 \eqcommand{ }{rightfootnoterule}
1306 \eqcommand{ }{rl}
1307 \eqcommand{ }{RLE}
1308 \eqcommand{ }{RTLdblcol}
1309 \eqcommand{ }{RTLfootnote}
1310 \eqcommand{ }{RTLfootnotetext}
1311 \eqcommand{ }{RTLthanks}
1312 \eqcommand{@ }{@SepMark}
1313 \eqcommand{ }{SepMark}
1314 \eqcommand{ }{setdefaultbibitems}
1315 \eqcommand{ }{setdefaultmarginpar}
1316 \eqcommand{ }{setdigitfont}
1317 \eqcommand{ }{setfootnoteLR}
1318 \eqcommand{ }{setfootnoteRL}
1319 \eqcommand{ }{setlatintextfont}

```

```

1320 \eqcommand{      }{\setLTR}
1321 \eqcommand{      }{\setLTRbibitems}
1322 \eqcommand{      }{\setLTRmarginpar}
1323 \eqcommand{      }{\setRTL}
1324 \eqcommand{      }{\setRTLbibitems}
1325 \eqcommand{      }{\setRTLmarginpar}
1326 \eqcommand{      }{\settextfont}
1327 \eqcommand{      }{\textwidthfootnoterule}
1328 \eqcommand{      }{\twocolumnstableofcontents}
1329 \eqcommand{      }{\unsetfootnoteRL}
1330 \eqcommand{      }{\unsetLTR}
1331 \eqcommand{      }{\unsetRTL}
1332 \eqcommand{      }{\vboxL}
1333 \eqcommand{      }{\vboxR}
1334 \eqcommand{      }{\XeLaTeX}
1335 \eqcommand{      }{\XePersian}
1336 \eqcommand{      }{\xepersianversion}
1337 \eqcommand{      }{\xepersiandate}
1338 \eqcommand{      }{\XeTeX}

```

## 7.20 enumerate-xepersian.def

```

1339 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1340 \def\@enloop@{%
1341   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1342   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1343   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1344   \ifx A\entemp \def\@tempa{\@enLabel\Alph } \else
1345   \ifx a\entemp \def\@tempa{\@enLabel\alph } \else
1346   \ifx i\entemp \def\@tempa{\@enLabel\roman } \else
1347   \ifx I\entemp \def\@tempa{\@enLabel\Roman } \else
1348   \ifx l\entemp \def\@tempa{\@enLabel\arabic} \else
1349   \ifx \@sptoken\entemp \let\@tempa\@enSpace \else
1350   \ifx \bgroup\entemp \let\@tempa\@enGroup \else
1351   \ifx \@enum@\entemp \let\@tempa\@gobble \else
1352   \let\@tempa\@enOther
1353   \@enhook
1354   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1355   \@tempa}

```

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

```

1356 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1357 \eqenvironment{ }{\abstract}
1358 \eqenvironment{ }{\appendix}
1359 \eqenvironment{ }{\array}
1360 \eqenvironment{ }{\center}
1361 \eqenvironment{ }{\description}
1362 \eqenvironment{ }{\displaymath}
1363 \eqenvironment{ }{\document}
1364 \eqenvironment{ }{\enumerate}

```

```

1365 \eqenvironment{ }{figure}
1366 \eqenvironment{ *}{figure*}
1367 \eqenvironment{ }{filecontents}
1368 \eqenvironment{ *}{filecontents*}
1369 \eqenvironment{ }{flushleft}
1370 \eqenvironment{ }{flushright}
1371 \eqenvironment{ }{itemize}
1372 \eqenvironment{ }{letter}
1373 \eqenvironment{ }{list}
1374 \eqenvironment{ }{longtable}
1375 \eqenvironment{ }{lrbox}
1376 \eqenvironment{ }{math}
1377 \eqenvironment{ }{matrix}
1378 \eqenvironment{ }{minipage}
1379 \eqenvironment{ }{multline}
1380 \eqenvironment{ }{note}
1381 \eqenvironment{ }{overlay}
1382 \eqenvironment{ }{picture}
1383 \eqenvironment{ }{quotation}
1384 \eqenvironment{ }{quote}
1385 \eqenvironment{ }{slide}
1386 \eqenvironment{ }{sloppypar}
1387 \eqenvironment{ }{split}
1388 \eqenvironment{ }{subarray}
1389 \eqenvironment{ }{tabbing}
1390 \eqenvironment{ }{table}
1391 \eqenvironment{ *}{table*}
1392 \eqenvironment{ }{tabular}
1393 \eqenvironment{ *}{tabular*}
1394 \eqenvironment{ }{thebibliography}
1395 \eqenvironment{ }{theindex}
1396 \eqenvironment{ }{titlepage}
1397 \eqenvironment{ }{trivlist}
1398 \eqenvironment{ }{verse}

```

## 7.22 xepersian-localise-environments-xepersian.def

```

1399 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1400 \eqenvironment{ }{latin}
1401 \eqenvironment{ }{LTR}
1402 \eqenvironment{ }{LTRitems}
1403 \eqenvironment{ }{modernpoem}
1404 \eqenvironment{ *}{modernpoem*}
1405 \eqenvironment{ }{persian}
1406 \eqenvironment{ }{RTL}
1407 \eqenvironment{ }{RTLitems}
1408 \eqenvironment{ }{traditionalpoem}
1409 \eqenvironment{ *}{traditionalpoem*}

```

## 7.23 extarticle-xepersian.def

```

1410 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1411 \renewcommand\thepart {\@tartibi\c@part}
1412 \renewcommand\appendix{\par
1413 \setcounter{section}{0}%
1414 \setcounter{subsection}{0}%
1415 \gdef\thesection{\@harfi\c@section}}

```

## 7.24 extbook-xepersian.def

```

1416 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1417 \renewcommand\frontmatter{%
1418 \cleardoublepage
1419 \@mainmatterfalse
1420 \pagenumbering{harfi}}
1421 \renewcommand \thepart {\@tartibi\c@part}
1422 \renewcommand\appendix{\par
1423 \setcounter{chapter}{0}%
1424 \setcounter{section}{0}%
1425 \gdef\@chapapp{\appendixname}%
1426 \gdef\thechapter{\@harfi\c@chapter}
1427 }%end appendix

```

## 7.25 extrafootnotefeatures-xepersian.def

```

1428 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafoot]
1429 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1430 \renewcommand{\LTrfoottextfont}{\footnotesize\latinfont}
1431 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

## 7.26 extreport-xepersian.def

```

1432 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1433 \renewcommand\thepart {\@tartibi\c@part}
1434 \renewcommand\appendix{\par
1435 \setcounter{chapter}{0}%
1436 \setcounter{section}{0}%
1437 \gdef\@chapapp{\appendixname}%
1438 \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.27 flowfram-xepersian.def

```

1439 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1440 \def\@outputpage{%
1441 \begingroup
1442 \let\protect\noexpand
1443 \@resetactivechars
1444 \global\let\@if@newlist\if@newlist
1445 \global\@newlistfalse\@parboxrestore
1446 \shipout\vbox{\set@typeset@protect
1447 \aftergroup
1448 \endgroup
1449 \aftergroup
1450 \set@typeset@protect}

```

```

1451 \reset@font\normalsize\normalsfcodes
1452 \let\label\@gobble
1453 \let\index\@gobble
1454 \let\glossary\@gobble
1455 \baselineskip\z@skip
1456 \lineskip\z@skip
1457 \lineskiplimit\z@
1458 \vskip\topmargin\moveright\@themargin
1459 \vbox{%
1460     \vskip\headheight
1461     \vskip\headsep
1462     \box\@outputbox
1463 }%
1464 \global\let\if@newlist\@if@newlist
1465 \stepcounter{page}%
1466 \setcounter{displayedframe}{0}%
1467 \let\firstmark\botmark}

```

## 7.28 footnote-xepersian.def

```

1468 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1469
1470
1471
1472 \long\def\@footnotetext#1{\insert\footins{%
1473     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1474     \reset@font\footnotesize
1475     \interlinepenalty\interfootnotelinepenalty
1476     \splittopskip\footnotesep
1477     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1478     \hsize\columnwidth \@parboxrestore
1479     \protected@edef\@currentlabel{%
1480         \csname p@footnote\endcsname\@thefnmark
1481     }%
1482     \color@begingroup
1483         \@makefnmark{\rule\z@{footnotesep}\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut}
1484     \color@endgroup}}%
1485
1486
1487
1488
1489
1490
1491 \long\def\@RTLfootnotetext#1{\insert\footins{%
1492     \@RTLtrue%
1493     \reset@font\footnotesize
1494     \interlinepenalty\interfootnotelinepenalty
1495     \splittopskip\footnotesep
1496     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1497     \hsize\columnwidth \@parboxrestore

```



```

1498 \protected@edef\@currentlabel{%
1499 \csname p@footnote\endcsname\@thefnmark
1500 }%
1501 \color@begingroup
1502 \makefnmark{%
1503 \rule{z@footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1504 \color@endgroup}}%
1505
1506
1507
1508
1509
1510 \long\def\@LTRfootnotetext#1{\insert\footins{%
1511 \RTLfalse%
1512 \reset@font\footnotesize
1513 \interlinepenalty\interfootnotelinepenalty
1514 \splittopskip\footnotesep
1515 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1516 \hsize\columnwidth \@parboxrestore
1517 \protected@edef\@currentlabel{%
1518 \csname p@footnote\endcsname\@thefnmark
1519 }%
1520 \color@begingroup
1521 \makefnmark{%
1522 \rule{z@footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1523 \color@endgroup}}%
1524
1525 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1526 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1527 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1528
1529
1530
1531 \long\def\@mpfootnotetext#1{%
1532 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
1533 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1534 \unvbox\@mpfootins
1535 \reset@font\footnotesize
1536 \hsize\columnwidth
1537 \@parboxrestore
1538 \protected@edef\@currentlabel
1539 {\csname p@mpfootnote\endcsname\@thefnmark}%
1540 \color@begingroup
1541 \makefnmark{%
1542 \rule{z@footnotesep\ignorespaces\ifRTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1543 \color@endgroup}}
1544
1545
1546
1547

```

```

1548
1549 \long\def\@mpRTLfootnotetext#1{%
1550 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
1551 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1552 \unvbox\@mpfootins
1553 \reset@font\footnotesize
1554 \hsize\columnwidth
1555 \@parboxrestore
1556 \protected@edef\@currentlabel
1557 {\csname p@mpfootnote\endcsname\@thefnmark}%
1558 \color@begingroup
1559 \@makefntext{%
1560 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1561 \color@endgroup}}
1562
1563
1564 \long\def\@mpLTRfootnotetext#1{%
1565 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
1566 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1567 \unvbox\@mpfootins
1568 \reset@font\footnotesize
1569 \hsize\columnwidth
1570 \@parboxrestore
1571 \protected@edef\@currentlabel
1572 {\csname p@mpfootnote\endcsname\@thefnmark}%
1573 \color@begingroup
1574 \@makefntext{%
1575 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1576 \color@endgroup}}

```

## 7.29 framed-xepersian.def

```

1577 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1578 \renewenvironment{titled-frame}[1]{%
1579 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1580 \TitleBarFrame{\textbf{#1}}}%
1581 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1582 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1583 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1584 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@RTL
1585 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1586 \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1587 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1588 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1589 % could interfere with the width measurement.
1590 {\endMakeFramed}

```

## 7.30 glossaries-xepersian.def

```

1591 \ProvidesFile{glossaries-xepersian.def}[2013/04/27 v0.2 xepersian adaptations for glossaries pac
1592 \newcommand*{\gls@harfipage}{\@harfi\c@page}

```

```

1593 \newcommand*{\gls@tartibipage}{\@tartibi\c@page}
1594 \newcommand*{\gls@adadipage}{\@adadi\c@page}
1595 \renewcommand{\gls@protected@pagefmts}{%
1596   \gls@numberpage,\gls@alphpage,\gls@Alphpage,\gls@romanpage,\gls@Romanpage,\gls@harfipage,\gls
1597 }
1598 \renewcommand*{\@do@wrglossary}[1]{%
1599   \begingroup
1600     \let\orgthe\the
1601     \let\orgnumber\number
1602     \let\orgromannumeral\romannumeral
1603     \let\orgalph\@alph
1604     \let\orgAlph\@Alph
1605     \let\orgRoman\@Roman
1606     \let\orgharfi\@harfi
1607     \let\orgadadi\@adadi
1608     \let\orgtartibi\@tartibi
1609     \def\the##1{%
1610       \ifx##1\c@page \gls@numberpage\else\orgthe##1\fi}%
1611     \def\number##1{%
1612       \ifx##1\c@page \gls@numberpage\else\orgnumber##1\fi}%
1613     \def\romannumeral##1{%
1614       \ifx##1\c@page \gls@romanpage\else\orgromannumeral##1\fi}%
1615     \def\@Roman##1{%
1616       \ifx##1\c@page \gls@Romanpage\else\orgRoman##1\fi}%
1617     \def\@alph##1{%
1618       \ifx##1\c@page \gls@alphpage\else\orgalph##1\fi}%
1619     \def\@Alph##1{%
1620       \ifx##1\c@page \gls@Alphpage\else\orgAlph##1\fi}%
1621     \def\@harfi##1{%
1622       \ifx##1\c@page \gls@harfipage\else\orgharfi##1\fi}%
1623     \def\@adadi##1{%
1624       \ifx##1\c@page \gls@adadipage\else\orgadadi##1\fi}%
1625     \def\@tartibi##1{%
1626       \ifx##1\c@page \gls@tartibipage\else\orgtartibi##1\fi}%
1627     \gls@disablepagerefexpansion
1628     \protected@xdef\@glslocref{\theHglentrycounter}%
1629   \endgroup
1630   \@gls@checkmkidxchars\@glslocref
1631   \expandafter\ifx\theHglentrycounter\theHglentrycounter
1632     \def\@glo@counterprefix{%
1633   \else
1634     \protected@edef\@glsHlocref{\theHglentrycounter}%
1635     \@gls@checkmkidxchars\@glsHlocref
1636     \edef\@do@gls@getcounterprefix{\noexpand\@gls@getcounterprefix
1637       {\@glslocref}{\@glsHlocref}%
1638     }%
1639     \@do@gls@getcounterprefix
1640   \fi
1641   \ifglxsindy
1642     \expandafter\@glo@check@mkidxrangechar\@glsnumberformat\@nil

```

```

1643 \def\@glo@range{}%
1644 \expandafter\if\@glo@prefix\relax
1645 \def\@glo@range{:open-range}%
1646 \else
1647 \expandafter\if\@glo@prefix\relax
1648 \def\@glo@range{:close-range}%
1649 \fi
1650 \fi
1651 \glossary[\csname glo@#1@type\endcsname]{%
1652 (indexentry :tkey (\csname glo@#1@index\endcsname)
1653 :locref \string{\@glo@counterprefix}{\@glslocref}\string" %
1654 :attr \string"\@gls@counter\@glo@suffix\string"
1655 \@glo@range
1656 )
1657 }%
1658 \else
1659 \@set@glo@numformat{\@glo@numfmt}{\@gls@counter}{\@glsnumberformat}%
1660 {\@glo@counterprefix}%
1661 \glossary[\csname glo@#1@type\endcsname]{%
1662 \string\glossaryentry{\csname glo@#1@index\endcsname
1663 \@gls@encapchar\@glo@numfmt}{\@glslocref}}%
1664 \fi
1665 }

```

### 7.31 hyperref-xepersian.def

```

1666 \ProvidesFile{hyperref-xepersian.def}[2013/04/09 v0.5 bilingual captions for hyperref package]
1667 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1668 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1669 \def\itemautorefname{\if@RTL else\ item\fi}%
1670 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1671 \def\tableautorefname{\if@RTL else\ Table\fi}%
1672 \def\partautorefname{\if@RTL else\ Part\fi}%
1673 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1674 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1675 \def\sectionautorefname{\if@RTL else\ section\fi}%
1676 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1677 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1678 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1679 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1680 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1681 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1682 \def\pageautorefname{\if@RTL else\ page\fi}%
1683 \AtBeginDocument{%
1684 \let\HyOrg@appendix\appendix
1685 \def\appendix{%
1686 \ltx@ifundefined{chapter}%
1687 {\gdef\theHsection{\Alph{section}}}%
1688 {\gdef\theHchapter{\Alph{chapter}}}%
1689 \xdef\Hy@chapapp{\Hy@appendixstring}%

```

```

1690 \HyOrg@appendix
1691 }
1692 }
1693 \pdfstringdefDisableCommands{%
1694 \let\lr\@firstofone
1695 \let\rl\@firstofone
1696 \def\XePersian{\XePersian}
1697 }

```

## 7.32 imspc-xepersian.def

```

1698 \ProvidesFile{imspc-xepersian.def}[2013/04/26 v0.3 implementation of imspc class for xepersi.
1699 \newenvironment{thebibliography}[1]{%
1700 \bibtitlestyle
1701 \normalfont\bibliofont\labelsep .5em\relax
1702 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
1703 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1704 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}}%
1705 \leftmargin\labelwidth \advance\leftmargin\labelsep
1706 \usecounter{enumiv}}%
1707 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1708 \sfcode`\.=\@m
1709 }{%
1710 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1711 \endlist
1712 }
1713 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1714 \columnseprule\z@ \columnsep 35\p@
1715 \@indextitlestyle
1716 \thispagestyle{plain}%
1717 \let\item\@idxitem
1718 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1719 \ifRTL\raggedleft\else\raggedright\fi
1720 \hyphenpenalty\@M
1721 \footnotesize}
1722 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
1723 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
1724 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
1725 \renewcommand \thepart {\@tartibi\c@part}
1726 \def\appendix{\par\c@section\z@ \c@subsection\z@
1727 \let\sectionname\appendixname
1728 \def\thesection{\@harfi\c@section}}
1729 \def\right@footnoterule{%
1730 \hbox to \columnwidth
1731 {\beginR \vbox{\kern-.4\p@
1732 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1733 \def\left@footnoterule{\kern-.4\p@
1734 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1735 \def\@makefnmark{%
1736 \leavevmode

```

```

1737 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1738 }
1739
1740
1741
1742 \long\def\@footnotetext#1{%
1743 \insert\footins{%
1744 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1745 \normalfont\footnotesize
1746 \interlinepenalty\interfootnotelinepenalty
1747 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1748 \floatingpenalty\@MM \hsize\columnwidth
1749 \@parboxrestore \parindent\normalparindent \sloppy
1750 \protected@edef\@currentlabel{%
1751 \csname p@footnote\endcsname\@thefnmark}%
1752 \@makefnfntext{%
1753 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1754
1755
1756
1757
1758
1759 \long\def\@RTLfootnotetext#1{%
1760 \insert\footins{%
1761 \@RTLtrue%
1762 \normalfont\footnotesize
1763 \interlinepenalty\interfootnotelinepenalty
1764 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1765 \floatingpenalty\@MM \hsize\columnwidth
1766 \@parboxrestore \parindent\normalparindent \sloppy
1767 \protected@edef\@currentlabel{%
1768 \csname p@footnote\endcsname\@thefnmark}%
1769 \@makefnfntext{%
1770 \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
1771
1772
1773
1774
1775
1776
1777
1778 \long\def\@LTRfootnotetext#1{%
1779 \insert\footins{%
1780 \@RTLfalse%
1781 \normalfont\footnotesize
1782 \interlinepenalty\interfootnotelinepenalty
1783 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1784 \floatingpenalty\@MM \hsize\columnwidth
1785 \@parboxrestore \parindent\normalparindent \sloppy
1786 \protected@edef\@currentlabel{%

```

```

1787 \csname p@footnote\endcsname\@thefnmark}%
1788 \@makefnfntext{%
1789 \rule{z@}\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1790
1791 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1792 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1793 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1794
1795 \def\part{\@startsection{part}{0}%
1796 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
1797 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1798 \def\@tocline#1#2#3#4#5#6#7{\relax
1799 \ifnum #1>\c@tocdepth % then omit
1800 \else
1801 \par \addpenalty\@secpenalty\addvspace{#2}%
1802 \begingroup \hyphenpenalty\@M
1803 \@ifempty{#4}{%
1804 \@tempdima\csname r@tocindent\number#1\endcsname\relax
1805 }{%
1806 \@tempdima#4\relax
1807 }%
1808 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip
1809 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1810 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1811 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1812 \nobreak
1813 \endgroup
1814 \fi}
1815 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1816 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1817 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1818 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1819 \def\maketitle{\par
1820 \@topnum\z@ % this prevents figures from falling at the top of page 1
1821 \@setcopyright
1822 \thispagestyle{firstpage}% this sets first page specifications
1823 \uppercase\nonmath\shorttitle
1824 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1825 \else \andify\shortauthors
1826 \fi
1827 \@maketitle@hook
1828 \begingroup
1829 \@maketitle
1830 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
1831 \toks4{\def\{\ignorespaces}}% defend against questionable usage
1832 \edef\@tempa{%
1833 \nx\markboth{\the\toks4
1834 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1835 \@tempa
1836 \endgroup

```

```

1837 \c@footnote\z@
1838 \cleartopmattertags
1839 }

```

### 7.33 kashida-xepersian.def

```

1840 \ProvidesFile{kashida-xepersian.def}[2010/07/25 v0.2 implementation of Kashida for xepersian pac
1841 \chardef\xepersian@zwj="200D % zero-width joiner
1842 \chardef\xepersian@ksh="0640 % kashida
1843
1844 \chardef\xepersian@D=10 % dual-joiner class
1845 \chardef\xepersian@L=11 % lam
1846 \chardef\xepersian@R=12 % right-joiner
1847 \chardef\xepersian@A=13 % alef
1848 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1849
1850 \def\xepersian@kashida{\xepersian@zwj\nobreak \setbox0=\hbox{\xepersian@ksh}%
1851 \leaders\hrule height\ht0 \hskip0pt plus 0.5em \xepersian@zwj}
1852
1853 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1854 \expandafter\dosetclass\charlist,\end}%
1855 \def\dosetclass#1,#2\end{%
1856 \def\test{#1}\def\charlist{#2}%
1857 \ifx\test\empty\let\next\finishsetclass
1858 \else \XeTeXcharclass "\test = \theclass
1859 \let\next\dosetclass \fi
1860 \expandafter\next\charlist,,\end}%
1861 \def\finishsetclass#1,,\end{}
1862
1863 \setclass \xepersian@A {0622,0623,0625,0627}
1864 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1865 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1866 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1867 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1868 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1869 \setclass \xepersian@L {0644}
1870 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1871
1872 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1873 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1874 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1875 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1876 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1877 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1878 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1879 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1880
1881 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1882 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1883 \KashidaOn

```



### 7.34 listings-xepersian.def

```
1884 \ProvidesFile{listings-xepersian.def}[2010/07/25 v0.2 bilingual captions for listings package]
1885 \def\lstlistingname{\if@RT else\    Listing\fi}
1886 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}
```

### 7.35 loadingorder-xepersian.def

```
1887 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last
1888 \bidi@isloaded{algorithmic}
1889 \bidi@isloaded{algorithm}
1890 \bidi@isloaded{backref}
1891 \bidi@isloaded{enumerate}
1892 \bidi@isloaded{tocloft}
1893 \bidi@isloaded{url}
1894 \AtBeginDocument{
1895   \if@bidi@algorithmicloaded@else
1896     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1897     \fi%
1898   \if@bidi@algorithmloaded@else
1899     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1900     \fi%
1901   \if@bidi@backrefloaded@else
1902     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1903     \fi%
1904   \if@bidi@enumerateloading@else
1905     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1906     \fi%
1907   \if@bidi@tocloftloaded@else
1908     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1909     \fi%
1910   \if@bidi@urlloaded@else
1911     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1912     \fi%
1913 }
```

### 7.36 localise-xepersian.def

```
1914 \ProvidesFile{localise-xepersian.def}[2010/07/25 v0.2a Persian localisation of LaTeX2e]
1915 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1916 \makezwnjletter
1917 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1918 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1919 \@ifpackageloaded{keyval}{%
1920 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1921   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1922   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1923 }{\@ifpackageloaded{xkeyval}{%
1924 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1925   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1926   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1927 }{}}
```

```

1928 \input{latex-localise-commands-xepersian.def}
1929 \input{xepersian-localise-commands-xepersian.def}
1930 \input{latex-localise-environments-xepersian.def}
1931 \input{xepersian-localise-environments-xepersian.def}
1932 \input{latex-localise-messages-xepersian.def}
1933 \input{latex-localise-misc-xepersian.def}
1934 \input{packages-localise-xepersian.def}
1935 \aliasfontfeature{ExternalLocation}{    }
1936 \aliasfontfeature{ExternalLocation}{    }
1937 \aliasfontfeature{Renderer}{    }
1938 \aliasfontfeature{BoldFont}{    }
1939 \aliasfontfeature{Language}{    }
1940 \aliasfontfeature{Script}{    }
1941 \aliasfontfeature{UprightFont}{    }
1942 \aliasfontfeature{ItalicFont}{    }
1943 \aliasfontfeature{BoldItalicFont}{    }
1944 \aliasfontfeature{SlantedFont}{    }
1945 \aliasfontfeature{BoldSlantedFont}{    }
1946 \aliasfontfeature{SmallCapsFont}{    }
1947 \aliasfontfeature{UprightFeatures}{    }
1948 \aliasfontfeature{BoldFeatures}{    }
1949 \aliasfontfeature{ItalicFeatures}{    }
1950 \aliasfontfeature{BoldItalicFeatures}{    }
1951 \aliasfontfeature{SlantedFeatures}{    }
1952 \aliasfontfeature{BoldSlantedFeatures}{    }
1953 \aliasfontfeature{SmallCapsFeatures}{    }
1954 \aliasfontfeature{SizeFeatures}{    }
1955 \aliasfontfeature{Scale}{    }
1956 \aliasfontfeature{WordSpace}{    }
1957 \aliasfontfeature{PunctuationSpace}{    }
1958 \aliasfontfeature{FontAdjustment}{    }
1959 \aliasfontfeature{LetterSpace}{    }
1960 \aliasfontfeature{HyphenChar}{    }
1961 \aliasfontfeature{Color}{    }
1962 \aliasfontfeature{Opacity}{    }
1963 \aliasfontfeature{Mapping}{    }
1964 \aliasfontfeature{Weight}{    }
1965 \aliasfontfeature{Width}{    }
1966 \aliasfontfeature{OpticalSize}{    }
1967 \aliasfontfeature{FakeSlant}{    }
1968 \aliasfontfeature{FakeStretch}{    }
1969 \aliasfontfeature{FakeBold}{    }
1970 \aliasfontfeature{AutoFakeSlant}{    }
1971 \aliasfontfeature{AutoFakeBold}{    }
1972 \aliasfontfeature{Ligatures}{    }
1973 \aliasfontfeature{Alternate}{    }
1974 \aliasfontfeature{Variant}{    }
1975 \aliasfontfeature{Variant}{    }
1976 \aliasfontfeature{CharacterVariant}{    }
1977 \aliasfontfeature{ScriptStyle}{    }

```

```

1978 \aliasfontfeature{ScriptScriptStyle}{      }
1979 \aliasfontfeature{Style}{      }
1980 \aliasfontfeature{Annotation}{      }
1981 \aliasfontfeature{RawFeature}{      }
1982 \aliasfontfeature{CharacterWidth}{      }
1983 \aliasfontfeature{Numbers}{      }
1984 \aliasfontfeature{Contextuals}{      }
1985 \aliasfontfeature{Diacritics}{      }
1986 \aliasfontfeature{Letters}{      }
1987 \aliasfontfeature{Kerning}{      }
1988 \aliasfontfeature{VerticalPosition}{      }
1989 \aliasfontfeature{Fractions}{      }
1990 \aliasfontfeatureoption{Language}{Default}{      }
1991 \aliasfontfeatureoption{Language}{Parsi}{      }
1992 \aliasfontfeatureoption{Script}{Parsi}{      }
1993 \aliasfontfeatureoption{Script}{Latin}{      }

```

### 7.37 memoir-xepersian.def

```

1994 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1995 \renewcommand{\@memfront}{%
1996   \@smemfront\pagenumbering{harfi}}
1997 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1998 \renewcommand*{\thebook}{\@tartibi\c@book}
1999 \renewcommand*{\thepart}{\@tartibi\c@part}
2000 \renewcommand{\appendix}{\par
2001   \setcounter{chapter}{0}%
2002   \setcounter{section}{0}%
2003   \gdef\@chapapp{\appendixname}%
2004   \gdef\thechapter{\@harfi\c@chapter}%
2005   \anappendixtrue}

```

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

```

2006 latex\          \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 7.39 minitoc-xepersian.def

```

2007 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
2008 \def\ptctitle{\if@RTL      else\      Table of Contents\fi}%
2009 \def\plftitle{\if@RTL      else\      List of Figures\fi}%
2010 \def\plttitle{\if@RTL      else\      List of Tables\fi}%
2011 \def\mtctitle{\if@RTL else\      Contents\fi}%
2012 \def\mlftitle{\if@RTL else\      Figures\fi}%
2013 \def\mlttitle{\if@RTL else\      Tables\fi}%
2014 \def\stctitle{\if@RTL else\      Contents\fi}%
2015 \def\slftitle{\if@RTL else\      Figures\fi}%
2016 \def\slttitle{\if@RTL else\      Tables\fi}%

```

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

```

2017 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
2018 %}1#    \ \

```

```

2019 \@ \ @ \ \
2020 \1# \
2021 \1# @\
2022 \1# @\
2023 {@ \ \
2024 %}2#1# @\ \
2025 %1# \ @\ \ \ \
2026 \2# \ @\ \
2027 {{2#1# \}}
2028 undefined\ \ \
2029
2030 %{ \ \ \ \1#} \ \} \1# \ \
2031 \ { \ \ \
2032 \ \ \
2033
2034
2035 \ \ \ \%} \#1
2036 \1#} \ \ % \
2037 \ \ \
2038 }%
2039 \
2040 \ \ \
2041 }
2042 \= \ \
2043
2044
2045 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2046 \def\@xfloat #1[#2]{%
2047 \@nodocument
2048 \def \@captive {#1}%
2049 \def \@fps {#2}%
2050 \@onelevel@sanitize \@fps
2051 \def \reserved@b {!}%
2052 \ifx \reserved@b \@fps
2053 \@fpsadddefault
2054 \else
2055 \ifx \@fps \@empty
2056 \@fpsadddefault
2057 \fi
2058 \fi
2059 \ifhmode
2060 \@bsphack
2061 \@floatpenalty -\@Mii
2062 \else
2063 \@floatpenalty-\@Miii
2064 \fi
2065 \ifinner
2066 \@parmoderr\@floatpenalty\z@
2067 \else
2068 \@next\@currbox\@freelist

```

```

2069      {%
2070      \@tempcnta \sixt@@n
2071      \expandafter \@tfor \expandafter \reserved@a
2072      \expandafter :\expandafter =\@fps
2073      \do
2074      {%
2075      \if \reserved@a h%
2076      \ifodd \@tempcnta
2077      \else
2078      \advance \@tempcnta \@ne
2079      \fi
2080      \fi
2081      \if \reserved@a %
2082      \ifodd \@tempcnta
2083      \else
2084      \advance \@tempcnta \@ne
2085      \fi
2086      \fi
2087      \if \reserved@a t%
2088      \@setfpsbit \tw@
2089      \fi
2090      \if \reserved@a %
2091      \@setfpsbit \tw@
2092      \fi
2093      \if \reserved@a b%
2094      \@setfpsbit 4%
2095      \fi
2096      \if \reserved@a %
2097      \@setfpsbit 4%
2098      \fi
2099      \if \reserved@a p%
2100      \@setfpsbit 8%
2101      \fi
2102      \if \reserved@a %
2103      \@setfpsbit 8%
2104      \fi
2105      \if \reserved@a !%
2106      \ifnum \@tempcnta>15
2107      \advance\@tempcnta -\sixt@@n\relax
2108      \fi
2109      \fi
2110      }%
2111      \@tempcntb \csname ftype@\@captype \endcsname
2112      \multiply \@tempcntb \@xxxii
2113      \advance \@tempcnta \@tempcntb
2114      \global \count\@currbox \@tempcnta
2115      }%
2116      \@fltovf
2117      \fi
2118      \global \setbox\@currbox

```

```

2119 \color@vbox
2120 \normalcolor
2121 \vbox \bgroup
2122 \hsize\columnwidth
2123 \@parboxrestore
2124 \@floatboxreset
2125 }
2126 \let\bm@ \bm@c
2127 \let\bm@ \bm@l
2128 \let\bm@ \bm@r
2129 \let\bm@ \bm@b
2130 \let\bm@ \bm@t
2131 \let\bm@ \bm@s
2132 \long\def\@iiiparbox#1#2[#3]#4#5{%
2133 \leavevmode
2134 \@pboxswfalse
2135 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2136 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
2137 \setlength\@tempdima{#4}%
2138 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2139 \ifx\relax#2\else
2140 \setlength\@tempdimb{#2}%
2141 \edef\@parboxto{to\the\@tempdimb}%
2142 \fi
2143 \if#1b\vbox
2144 \else\if#1\vbox
2145 \else\if #1t\top
2146 \else\if vtop\ #1
2147 \else\ifmmode\vcenter
2148 \else\@pboxswtrue $\vcenter
2149 \fi\fi\fi\fi\fi
2150 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2151 \csname bm@#3\endcsname}%
2152 \if@pboxsw \m@th$\fi
2153 \@end@tempboxa}
2154 \def\@iiiminipage#1#2[#3]#4{%
2155 \leavevmode
2156 \@pboxswfalse
2157 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2158 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
2159 \setlength\@tempdima{#4}%
2160 \def\@mpargs{{#1}{#2}[#3]{#4}}%
2161 \setbox\@tempboxa\vbox\bgroup
2162 \color@begingroup
2163 \hsize\@tempdima
2164 \textwidth\hsize \columnwidth\hsize
2165 \@parboxrestore
2166 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2167 \let\@footnotetext\@mpfootnotetext
2168 \let\@LTrfootnotetext\@mpLTrfootnotetext

```

```

2169 \let\@RTLfootnotetext\@mpRTLfootnotetext
2170 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2171 \@minipagerestore
2172 \setminipage}
2173 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2174 \ifnum \@lastchclass=3 5 \else
2175 \z@ \if #1c\@chnum \z@ \else
2176 \if chnum@ \#1 \z@ \else
2177 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2178 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2179 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2180 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2181 \@chclass \if #1|\@ne \else
2182 \if #1@ \tw@ \else
2183 \if #1p3 \else
2184 \if 3 #1 \else \z@ \@preamerr 0\fi
2185 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2186 \fi}%
2187 }{}
2188 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2189 \def\@testpach{\@chclass
2190 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2191 \ifnum \@lastchclass=7 5 \else
2192 \ifnum \@lastchclass=8 \tw@ \else
2193 \ifnum \@lastchclass=9 \thr@@
2194 \else \z@
2195 \ifnum \@lastchclass = 10 \else
2196 \edef\@nextchar{\expandafter\string\@nextchar}%
2197 \@chnum
2198 \if \@nextchar c\z@ \else
2199 \if \@nextchar @\ \else
2200 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2201 \if \@nextchar \if@RTLtab else\ fi\@ne \ \else
2202 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2203 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2204 \z@ \@chclass
2205 \if\@nextchar |\@ne \else
2206 \if \@nextchar !6 \else
2207 \if \@nextchar @7 \else
2208 \if \@nextchar <8 \else
2209 \if \@nextchar >9 \else
2210 10
2211 \@chnum
2212 \if \@nextchar m\thr@@\else
2213 \if \@nextchar thr@@\else\
2214 \if \@nextchar p4 \else
2215 \if \@nextchar 4 \else
2216 \if \@nextchar b5 \else
2217 \if \@nextchar 5 \else
2218 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi

```

```

2219 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2220 }{}
2221 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2222 \ifadl@usingarypkg
2223 \def\@testpach{\@chclass
2224 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2225 \ifnum \@lastchclass=7 5 \else
2226 \ifnum \@lastchclass=8 \tw@ \else
2227 \ifnum \@lastchclass=9 \thr@@
2228 \else \z@
2229 \ifnum \@lastchclass = 10 \else
2230 \edef\@nextchar{\expandafter\string\@nextchar}%
2231 \@chnum
2232 \if \@nextchar c\z@ \else
2233 \if \@nextchar @z\ \else
2234 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2235 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2236 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2237 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2238 \z@ \@chclass
2239 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2240 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2241 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2242 \if \@nextchar !6 \else
2243 \if \@nextchar @7 \else
2244 \if \@nextchar <8 \else
2245 \if \@nextchar >9 \else
2246 10
2247 \@chnum
2248 \if \@nextchar m\thr@@\else
2249 \if \@nextchar thr@@\else\
2250 \if \@nextchar p4 \else
2251 \if \@nextchar 4 \else
2252 \if \@nextchar b5 \else
2253 \if \@nextchar 5 \else
2254 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2255 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2256
2257 \def\@classz{\@classx
2258 \@tempcnta \count@
2259 \prepnext@tok
2260 \@addtopreamble{\ifcase \@chnum
2261 \hfil
2262 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2263 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2264 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2265 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2266 \adl@endmbox\or
2267 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2268 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox

```



```

2269 \fi}\prepnext@tok}
2270 \def\adl@class@start{4}
2271 \def\adl@class@iiiorvii{7}
2272
2273 \else
2274 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2275     \ifnum \@lastchclass=\thr@@ 5\relax \else
2276     \z@ \if #1c\@chnum \z@ \else
2277     \if \@chnum\z@\ #1 \else
2278     \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
2279     \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
2280     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2281     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2282     \@chclass
2283     \if #1l\@one \let\@arrayrule\adl@arrayrule \else
2284     \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
2285     \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
2286     \if #1@\tw@ \else
2287     \if #1p\thr@@ \else
2288     \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2289     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2290
2291 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2292     \or \or \@addamp \or
2293     \@acolampacol \or \@firstampfalse \@acol \fi
2294     \edef\@preamble{\@preamble
2295     \ifcase \@chnum
2296     \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2297     \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2298     \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2299 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2300     \or \or \@addamp \or
2301     \@acolampacol \or \@firstampfalse \@acol \fi
2302     \edef\@preamble{\@preamble
2303     \ifcase \@chnum
2304     \hfil\adl@putlrc{\@sharp\unskip}\hfil
2305     \or \adl@putlrc{\@sharp\unskip}\hfil
2306     \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2307 \def\adl@class@start{6}
2308 \def\adl@class@iiiorvii{3}
2309 \fi
2310 }{}
2311 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2312 \def\@testpach{\@chclass
2313     \ifnum \@lastchclass=6 \@one \@chnum \@one \else
2314     \ifnum \@lastchclass=7 5 \else
2315     \ifnum \@lastchclass=8 \tw@ \else
2316     \ifnum \@lastchclass=9 \thr@@
2317     \else \z@
2318     \ifnum \@lastchclass = 10 \else

```

[illegible]

```

2369 \expandafter\ifx\csname fst@#1\endcsname\relax
2370 \@flstylefalse\else\@flstyletrue\fi
2371 \setbox\@currbox\color\@vbox\normalcolor
2372 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2373 \@floatboxreset \@setnobreak
2374 \ignorespaces}
2375 }{}
2376 \begingroup \catcode `|=0 \catcode `[= 1
2377 \catcode`=2 \catcode `{\=12 \catcode `}=12
2378 \catcode`\=12 \gdef|\@x@xepersian@localize@verbatim#1\ ] |1#{ } ]]
2379 \gdef|\@sx@xepersian@localize@verbatim#1\ ] |1#{* } *]]
2380 \endgroup
2381 \def\ {|\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2382 \def\end {\ifnewlist \leavevmode\fi\endtrivlist}
2383 \ExplSyntaxOn
2384 \AtBeginDocument{\@namedef{ *}{|\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2385 \ExplSyntaxOff
2386 \expandafter\let\csname end * \endcsname =\end

```

## 7.41 natbib-xepersian.def

```

2387 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2388 \renewcommand\NAT@set@cites{%
2389 \ifNAT@numbers
2390 \ifNAT@super \let\@cite\NAT@citesuper
2391 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2392 \let\citeyearpar=\citeyear
2393 \let\NAT@space\relax
2394 \def\NAT@super@kern{\kern\p}%
2395 \else
2396 \let\NAT@mbox=\mbox
2397 \let\@cite\NAT@citenum
2398 \let\NAT@space\NAT@spacechar
2399 \let\NAT@super@kern\relax
2400 \fi
2401 \let\@citex\NAT@citexnum
2402 \let\@Latincitex\NAT@Latin@citexnum
2403 \let\@biblabel\NAT@biblabelnum
2404 \let\@bibsetup\NAT@bibsetnum
2405 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2406 \def\natexlab##1{%
2407 \def\NAT@penalty{\penalty\@m}%
2408 \else
2409 \let\@cite\NAT@cite
2410 \let\@citex\NAT@citex
2411 \let\@Latincitex\NAT@Latin@citex
2412 \let\@biblabel\NAT@biblabel
2413 \let\@bibsetup\NAT@bibsetup
2414 \let\NAT@space\NAT@spacechar
2415 \let\NAT@penalty\@empty

```

```

2416 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2417 \def\natexlab##1{##1}%
2418 \fi}
2419 \newcommand\NAT@Latin@citex{}
2420 \def\NAT@Latin@citex%
2421 [#1][#2]#3{%
2422 \NAT@reset@parser
2423 \NAT@sort@cites{#3}%
2424 \NAT@reset@citea
2425 \@citef\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2426 \@for\@citeb:=\NAT@cite@list\do
2427 {\@safe@activestrue
2428 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2429 \@safe@activesfalse
2430 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2431 {\reset@font\bfseries ?}\NAT@citeundefined
2432 \PackageWarning{natbib}%
2433 {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2434 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2435 \NAT@parse{\@citeb}%
2436 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2437 \let\NAT@name=\NAT@all@names
2438 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2439 \fi
2440 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2441 \let\NAT@nm\NAT@name\fi
2442 \ifNAT@swa\ifcase\NAT@ctype
2443 \if\relax\NAT@date\relax
2444 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2445 \else
2446 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2447 \ifx\NAT@last@yr\NAT@year
2448 \def\NAT@temp{}}}%
2449 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2450 {Multiple citation on page \thepage: same authors and
2451 year\MessageBreak without distinguishing extra
2452 letter,\MessageBreak appears as question mark}\fi
2453 \NAT@hyper@{\NAT@exlab}%
2454 \else\unskip\NAT@spacechar
2455 \NAT@hyper@{\NAT@date}%
2456 \fi
2457 \else
2458 \@citea\NAT@hyper@{%
2459 \NAT@nmfmt{\NAT@nm}%
2460 \hyper@natlinkbreak{%
2461 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2462 }%
2463 \NAT@date
2464 }%
2465 \fi

```

```

2466 \fi
2467 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2468 \or\@citea\NAT@hyper@{\NAT@date}%
2469 \or\@citea\NAT@hyper@{\NAT@alias}%
2470 \fi \NAT@def@citea
2471 \else
2472 \ifcase\NAT@ctype
2473 \if\relax\NAT@date\relax
2474 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2475 \else
2476 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2477 \ifx\NAT@last@yr\NAT@year
2478 \def\NAT@temp{?}%
2479 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2480 {Multiple citation on page \thepage: same authors and
2481 year\MessageBreak without distinguishing extra
2482 letter,\MessageBreak appears as question mark}\fi
2483 \NAT@hyper@{\NAT@exlab}%
2484 \else
2485 \unskip\NAT@spacechar
2486 \NAT@hyper@{\NAT@date}%
2487 \fi
2488 \else
2489 \@citea\NAT@hyper@{%
2490 \NAT@nmfmt{\NAT@nm}%
2491 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2492 {\@citeb\@extra@b@citeb}%
2493 \NAT@date
2494 }%
2495 \fi
2496 \fi
2497 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2498 \or\@citea\NAT@hyper@{\NAT@date}%
2499 \or\@citea\NAT@hyper@{\NAT@alias}%
2500 \fi
2501 \if\relax\NAT@date\relax
2502 \NAT@def@citea
2503 \else
2504 \NAT@def@citea@close
2505 \fi
2506 \fi
2507 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2508 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2509 \newcommand\NAT@Latin@citexnum{}
2510 \def\NAT@Latin@citexnum[#1][#2]#3{%
2511 \NAT@reset@parser
2512 \NAT@sort@cites{#3}%
2513 \NAT@reset@citea
2514 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2515 \@for\@citeb:=\NAT@cite@list\do

```

```

2516 {\@safe@activestrue
2517 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2518 \@safe@activesfalse
2519 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2520   {\reset@font\bfseries?}
2521   \NAT@citeundefined\PackageWarning{natbib}%
2522   {Citation `@\citeb' on page \thepage \space undefined}}%
2523 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2524   \NAT@parse{\@citeb}%
2525   \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2526     \let\NAT@name=\NAT@all@names
2527     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{%
2528   \fi
2529   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2530     \let\NAT@nm\NAT@name\fi
2531   \ifNAT@swa
2532     \@ifnum{\NAT@ctype>\@ne}{%
2533       \citea
2534       \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2535       }{%
2536         \@ifnum{\NAT@cmprs>\z@}{%
2537           \NAT@ifcat@num\NAT@num
2538           {\let\NAT@nm=\NAT@num}%
2539           {\def\NAT@nm{-2}}%
2540           \NAT@ifcat@num\NAT@last@num
2541           {\@tempcnta=\NAT@last@num\relax}%
2542           {\@tempcnta\m@ne}%
2543           \@ifnum{\NAT@nm=\@tempcnta}{%
2544             \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2545           }{%
2546             \advance\@tempcnta by\@ne
2547             \@ifnum{\NAT@nm=\@tempcnta}{%
2548               \ifx\NAT@last@yr\relax
2549                 \def\NAT@last@yr{\@citea}%
2550               \else
2551                 \def\NAT@last@yr{--\NAT@penalty}%
2552             \fi
2553           }{%
2554             \NAT@last@yr@mbox
2555           }%
2556         }%
2557       }{%
2558         \@tempswatrue
2559         \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2560           \if@tempswa\NAT@citea@mbox\fi
2561         }%
2562       }%
2563       \NAT@def@citea
2564     \else
2565       \ifcase\NAT@ctype

```

```

2566         \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2567         \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super{kern\NAT@open}}%
2568         \fi
2569         \if*#1*\else#1\NAT@spacechar\fi
2570         \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2571         \NAT@def@citea@box
2572     \or
2573         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2574     \or
2575         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2576     \or
2577         \NAT@hyper@citea@space\NAT@alias
2578     \fi
2579 \fi
2580 }%
2581 }%
2582 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2583 \ifNAT@swa\else
2584     \@ifnum{\NAT@ctype=\z@}{%
2585         \if*#2*\else\NAT@cmt#2\fi
2586     }{%
2587         \NAT@mbox{\NAT@close}%
2588     \fi
2589 }{\#1}{#2}%
2590 }%
2591 \AtBeginDocument{\NAT@set@cites}
2592 \DeclareRobustCommand\Latincite
2593     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2594     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2595 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@Latin@citetp}{%
2596     \ifNAT@numbers\else
2597     \NAT@swafalse
2598     \fi
2599     \NAT@Latin@citetp[]}}
2600 \newcommand\NAT@Latin@citetp{}
2601 \def\NAT@Latin@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 7.42 packages-localise-xepersian.def

```

2602 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2603 color} \}{color} @\-localise-xepersian.def}}{}
2604 \@ifpackageloaded{multicol}{%
2605 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2606 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2607 }{}
2608 \@ifpackageloaded{verbatim}{%
2609 \begingroup
2610 \vrb@catcodes
2611 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}
2612 \catcode`\~=\active \lccode`\~=\`^M

```

```

2613 \lccode`\C=~\C
2614 \lowercase{\endgroup
2615   \def\xepersian@localize@verbatim@start#1{%
2616     \verbatim@startline
2617     \if\noexpand#1\noexpand~%
2618       \let\next\xepersian@localize@verbatim@
2619     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2620     \next}%
2621 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2622 \def\xepersian@localize@verbatim@@#1! {%
2623   \verbatim@addtoline{#1}%
2624   \futurelet\next\xepersian@localize@verbatim@@@}%
2625 \def\xepersian@localize@verbatim@@@#1\@nil{%
2626   \ifx\next\@nil
2627     \verbatim@processline
2628     \verbatim@startline
2629     \let\next\xepersian@localize@verbatim@
2630   \else
2631     \def\@tempa##1! \@nil{##1}%
2632     \@temptokena{! }%
2633     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2634     \fi \next}%
2635 \def\xepersian@localize@verbatim@test#1{%
2636   \let\next\xepersian@localize@verbatim@test
2637   \if\noexpand#1\noexpand~%
2638     \expandafter\verbatim@addtoline
2639     \expandafter{\the\@temptokena}%
2640     \verbatim@processline
2641     \verbatim@startline
2642     \let\next\xepersian@localize@verbatim@
2643   \else \if\noexpand#1
2644     \@temptokena\expandafter{\the\@temptokena#1}%
2645   \else \if\noexpand#1\noexpand[%
2646     \let\@tempc\@empty
2647     \let\next\xepersian@localize@verbatim@testend
2648   \else
2649     \expandafter\verbatim@addtoline
2650     \expandafter{\the\@temptokena}%
2651     \def\next{\xepersian@localize@verbatim@#1}%
2652     \fi\fi\fi
2653   \next}%
2654 \def\xepersian@localize@verbatim@testend#1{%
2655   \if\noexpand#1\noexpand~%
2656     \expandafter\verbatim@addtoline
2657     \expandafter{\the\@temptokena[%
2658     \expandafter\verbatim@addtoline
2659     \expandafter{\@tempc}%
2660     \verbatim@processline
2661     \verbatim@startline
2662     \let\next\xepersian@localize@verbatim@

```



```

2663         \else\if\noexpand#1\noexpand]%
2664             \let\next\xepersian@localize@verbatim@@testend
2665         \else\if\noexpand#1\noexpand!%
2666             \expandafter\verbatim@addtoline
2667             \expandafter{\the\@temptokena[]}%
2668             \expandafter\verbatim@addtoline
2669             \expandafter{\@tempc}%
2670             \def\next{\xepersian@localize@verbatim@!}%
2671         \else \expandafter\def\expandafter\@tempc\expandafter
2672             {\@tempc#1}\fi\fi\fi
2673         \next}%
2674     \def\xepersian@localize@verbatim@@testend{%
2675         \ifx\@tempc\@currentvir
2676             \verbatim@finish
2677             \edef\next{\noexpand\end{\@currentvir}}%
2678             \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2679         \else
2680             \expandafter\verbatim@addtoline
2681             \expandafter{\the\@temptokena[]}%
2682             \expandafter\verbatim@addtoline
2683             \expandafter{\@tempc}}%
2684         \let\next\xepersian@localize@verbatim@
2685         \fi
2686         \next}%
2687     \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2688         \@warning{Characters dropped after ``\string\end{#1}''}\fi}}%
2689 \def\
2690     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2691     \xepersian@localize@verbatim@start}
2692 \def\
2693     {\endtrivlist\endgroup\@doendpe}
2694 \def\
2695     {\endcsname =\end
2696     }{}
2697 \ExplSyntaxOn
2698 \AtBeginDocument{
2699     \xepersian_localize_patch_verbatim: {
2700         \ifpackageloaded{verbatim}{
2701             \cs_set:cpn {* } }
2702             \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2703         }
2704     }{
2705     }
2706 }
2707 \ExplSyntaxOff
2708 \ifpackageloaded{graphicx}{%
2709 \def\Gin@boolkey#1#2{%
2710 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2711 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2712 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%

```

```

2713 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2714 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2715 \define@key{Grot}{origin}[c]{%
2716 \@tfor\@tempa:=#1\do{%
2717 \if l\@tempa \Grot@x\z@ \else
2718 \if tempa@ \Grot@x\z@ \else
2719 \if r\@tempa \Grot@x\width \else
2720 \if tempa@ \Grot@x\width \else
2721 \if t\@tempa \Grot@y\height \else
2722 \if tempa@ \Grot@y\height \else
2723 \if b\@tempa \Grot@y-\depth \else
2724 \if tempa@ \Grot@y-\depth \else
2725 \if B\@tempa \Grot@y\z@ \else
2726 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2727 {draft}{ \Gin } @ \
2728 {origin}{ \Gin } @ \
2729 {origin}{ \Grot } @ \
2730 {clip}{ \Gin } @ \
2731 {keepaspectratio}{ \Gin } @ \
2732 {natwidth}{ \Gin } @ \
2733 {natheight}{ \Gin } @ \
2734 {bb}{ \Gin } @ \
2735 {viewport}{ \Gin } @ \
2736 {trim}{ \Gin } @ \
2737 {angle}{ \Gin } @ \
2738 {width}{ \Gin } @ \
2739 {height}{ \Gin } @ \
2740 {totalheight}{ \Gin } @ \
2741 {scale}{ \Gin } @ \
2742 {type}{ \Gin } @ \
2743 {ext}{ \Gin } @ \
2744 {read}{ \Gin } @ \
2745 {command}{ \Gin } @ \
2746 {x}{ \Grot } @ \
2747 {y}{ \Grot } @ \
2748 {units}{ \Grot } @ \
2749 {}{}

```

## 7.43 parsidigits.map

```

2750 LHSName "Digits"
2751 RHSName "ParsiDigits"
2752
2753 pass(Unicode)
2754 U+0030 <> U+06F0 ;
2755 U+0031 <> U+06F1 ;
2756 U+0032 <> U+06F2 ;
2757 U+0033 <> U+06F3 ;
2758 U+0034 <> U+06F4 ;
2759 U+0035 <> U+06F5 ;

```

```

2760 U+0036 <> U+06F6 ;
2761 U+0037 <> U+06F7 ;
2762 U+0038 <> U+06F8 ;
2763 U+0039 <> U+06F9 ;
2764
2765
2766 U+002C <> U+060C ; comma > arabic comma
2767 U+003F <> U+061F ; question mark -> arabic qm
2768 U+003B <> U+061B ; semicolon -> arabic semicolon
2769
2770 ; ligatures from Knuth's original CMR fonts
2771 U+002D U+002D <> U+2013 ; -- -> en dash
2772 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2773
2774 U+0027 <> U+2019 ; ' -> right single quote
2775 U+0027 U+0027 <> U+201D ; '' -> right double quote
2776 U+0022 > U+201D ; " -> right double quote
2777
2778 U+0060 <> U+2018 ; ` -> left single quote
2779 U+0060 U+0060 <> U+201C ; `` -> left double quote
2780
2781 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2782 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2783
2784 ; additions supported in T1 encoding
2785 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2786 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2787 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

#### 7.44 rapport1-xepersian.def

```

2788 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2789 \renewcommand*\thepart{\@tartibi\c@part}
2790 \renewcommand*\appendix{\par
2791   \setcounter{chapter}{0}%
2792   \setcounter{section}{0}%
2793   \gdef\@chapapp{\appendixname}%
2794   \gdef\thechapter{\@harfi\c@chapter}}

```

#### 7.45 rapport3-xepersian.def

```

2795 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2796 \renewcommand*\thepart{\@tartibi\c@part}
2797 \renewcommand*\appendix{\par
2798   \setcounter{chapter}{0}%
2799   \setcounter{section}{0}%
2800   \gdef\@chapapp{\appendixname}%
2801   \gdef\thechapter{\@harfi\c@chapter}}

```

#### 7.46 refrep-xepersian.def

```

2802 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]

```

```

2803 \renewcommand \thepart {\@tartibi\c@part}
2804 \renewcommand\appendix{\par
2805   \setcounter{chapter}{0}%
2806   \setcounter{section}{0}%
2807   \gdef\@chapapp{\appendixname}%
2808   \gdef\thechapter{\@harfi\c@chapter}
2809 }%end appendix

```

## 7.47 report-xepersian.def

```

2810 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2811 \renewcommand \thepart {\@tartibi\c@part}
2812 \renewcommand\appendix{\par
2813   \setcounter{chapter}{0}%
2814   \setcounter{section}{0}%
2815   \gdef\@chapapp{\appendixname}%
2816   \gdef\thechapter{\@harfi\c@chapter}
2817 }%end appendix

```

## 7.48 scrartcl-xepersian.def

```

2818 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2819 \renewcommand*{\thepart}{\@tartibi\c@part}
2820 \renewcommand*\appendix{\par%
2821   \setcounter{section}{0}%
2822   \setcounter{subsection}{0}%
2823   \gdef\thesection{\@harfi\c@section}%
2824   \csname appendixmore\endcsname
2825 }
2826 \renewcommand*{\@maybeautodot}[1]{%
2827   \ifx #1\@stop\let\@maybeautodot\relax
2828   \else
2829     \ifx #1\harfi \@autodottrue\fi
2830     \ifx #1\adadi \@autodottrue\fi
2831     \ifx #1\tartibi \@autodottrue\fi
2832     \ifx #1\Alph \@autodottrue\fi
2833     \ifx #1\alph \@autodottrue\fi
2834     \ifx #1\Roman \@autodottrue\fi
2835     \ifx #1\roman \@autodottrue\fi
2836     \ifx #1\@harfi \@autodottrue\fi
2837     \ifx #1\@adadi \@autodottrue\fi
2838     \ifx #1\@tartibi \@autodottrue\fi
2839     \ifx #1\@Alph \@autodottrue\fi
2840     \ifx #1\@alph \@autodottrue\fi
2841     \ifx #1\@Roman \@autodottrue\fi
2842     \ifx #1\@roman \@autodottrue\fi
2843     \ifx #1\romannumeral \@autodottrue\fi
2844   \fi
2845   \@maybeautodot
2846 }

```

## 7.49 scrbook-xepersian.def

```
2847 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2848 \renewcommand*\frontmatter{%
2849   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2850   \@mainmatterfalse\pagenumbering{harfi}%
2851 }
2852 \renewcommand*\thepart{\@tartibi\c@part}
2853 \renewcommand*\appendix{\par%
2854   \setcounter{chapter}{0}%
2855   \setcounter{section}{0}%
2856   \gdef\@chapapp{\appendixname}%
2857   \gdef\thechapter{\@harfi\c@chapter}%
2858   \csname appendixmore\endcsname
2859 }
2860 \renewcommand*\@maybeautodot[1]{%
2861   \ifx #1\@stop\let\@maybeautodot\relax
2862   \else
2863     \ifx #1\harfi \@autodottrue\fi
2864     \ifx #1\adadi \@autodottrue\fi
2865     \ifx #1\tartibi \@autodottrue\fi
2866     \ifx #1\Alph \@autodottrue\fi
2867     \ifx #1\alph \@autodottrue\fi
2868     \ifx #1\Roman \@autodottrue\fi
2869     \ifx #1\roman \@autodottrue\fi
2870     \ifx #1\@harfi \@autodottrue\fi
2871     \ifx #1\@adadi \@autodottrue\fi
2872     \ifx #1\@tartibi \@autodottrue\fi
2873     \ifx #1\@Alph \@autodottrue\fi
2874     \ifx #1\@alph \@autodottrue\fi
2875     \ifx #1\@Roman \@autodottrue\fi
2876     \ifx #1\@roman \@autodottrue\fi
2877     \ifx #1\romannumeral \@autodottrue\fi
2878   \fi
2879   \@maybeautodot
2880 }
```

## 7.50 scrreprt-xepersian.def

```
2881 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2882 \renewcommand*\thepart{\@tartibi\c@part}
2883 \renewcommand*\appendix{\par%
2884   \setcounter{chapter}{0}%
2885   \setcounter{section}{0}%
2886   \gdef\@chapapp{\appendixname}%
2887   \gdef\thechapter{\@harfi\c@chapter}%
2888   \csname appendixmore\endcsname
2889 }
2890 \renewcommand*\@maybeautodot[1]{%
2891   \ifx #1\@stop\let\@maybeautodot\relax
2892   \else
```

```

2893 \ifx #1\harfi \@autodottrue\fi
2894 \ifx #1\adadi \@autodottrue\fi
2895 \ifx #1\tartibi \@autodottrue\fi
2896 \ifx #1\Alph \@autodottrue\fi
2897 \ifx #1\alph \@autodottrue\fi
2898 \ifx #1\Roman \@autodottrue\fi
2899 \ifx #1\roman \@autodottrue\fi
2900 \ifx #1\charfi \@autodottrue\fi
2901 \ifx #1\@adadi \@autodottrue\fi
2902 \ifx #1\@tartibi \@autodottrue\fi
2903 \ifx #1\@Alph \@autodottrue\fi
2904 \ifx #1\@alph \@autodottrue\fi
2905 \ifx #1\@Roman \@autodottrue\fi
2906 \ifx #1\@roman \@autodottrue\fi
2907 \ifx #1\romannumeral \@autodottrue\fi
2908 \fi
2909 \@maybeautodot
2910 }

```

## 7.51 tkz-linknodes-xepersian.def

```

2911 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2912 \renewcommand*{\@SetTab}{%
2913 \let\@alph\@latalph%
2914 \ifnum \value{C@NumTab}>25\relax%
2915 \setcounter{C@NumTab}{1}%
2916 \else%
2917 \stepcounter{C@NumTab}%
2918 \fi%
2919 \setcounter{C@NumGroup}{0}%
2920 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2921 \setboolean{B@FirstLink}{true}
2922 \setboolean{B@NewGroup}{false}
2923 \setcounter{C@NumGroup}{0}
2924 \setcounter{C@CurrentGroup}{0}
2925 \setcounter{NumC@Node}{0}
2926 \setcounter{NumC@Stop}{0}
2927 \setcounter{C@NextNode}{0}
2928 \setcounter{C@CurrentStop}{0}
2929 \setcounter{C@CurrentNode}{0}
2930 }%

```

## 7.52 tocloft-xepersian.def

```

2931 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2932 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2933 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2934 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2935 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2936 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2937 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}

```

```

2938 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2939 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2940 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2941 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 7.53 xepersian.sty

```

2942 \NeedsTeXFormat{LaTeX2e}
2943 \def\xepersianversion{v13.5}
2944 \def\xepersiandate{2013/10/21}
2945 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2946 Persian typesetting in XeLaTeX]
2947 \RequirePackage{fontspec}
2948 \RequirePackage{xepersian-persiancal}
2949 \RequirePackage{xepersian-mathsdigitspec}
2950 \RequirePackage[RTLdocument]{bidi}
2951 \edef\xepersian@info{*****~J%
2952 * ~J%
2953 * xepersian package (Persian for LaTeX over XeTeX)~J%
2954 * ~J%
2955 * Description: The package supports Persian~J%
2956 * typesetting, using fonts provided in the~J%
2957 * distribution.~J%
2958 * ~J%
2959 * Copyright © 2008-2013 Vafa Khalighi~J%
2960 * ~J%
2961 * \xepersianversion, \xepersiandate~J%
2962 * ~J%
2963 * License: LaTeX Project Public License, version~J%
2964 * 1.3c or higher (your choice)~J%
2965 * ~J%
2966 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2967 * ~J%
2968 * Issue tracker: https://github.com/vafa/xepersian/issues~J%
2969 * ~J%
2970 * Support: persian-tex@tug.org~J%
2971 *****}
2972 \typeout{\xepersian@info}
2973 \edef\xepersian@everyjob{\the\everyjob}
2974 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2975 \def\prq{«}
2976 \def\plq{»}
2977 \def\xepersian@cmds@temp#1{%
2978 \begingroup\expandafter\expandafter\expandafter\endgroup
2979 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2980 \begingroup
2981 \escapechar=-1 %
2982 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2983 \def\y{#1}%
2984 \def\z##1->{}}%

```

```

2985     \edef\y{\expandafter\z\meaning\y}%
2986     \expandafter\endgroup
2987     \ifx\x\y
2988         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2989         \expandafter{%
2990             \csname#1\endcsname
2991         }%
2992     \fi
2993     \fi
2994 }%
2995 \xepersian@cmds@temp{shellescape}
2996 \newif\ifwritexviii
2997 \ifnum\xepersian@shellescape=1\relax
2998     \writexviii>true
2999 \else
3000     \writexviii>false
3001 \fi
3002 \newfontscript{Parsi}{arab}
3003 \newfontlanguage{Parsi}{FAR}
3004 \ExplSyntaxOn
3005 \DeclareDocumentCommand \settextfont { 0 } m { {
3006     \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}
3007     \use:x {
3008         \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont {
3009             \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3010             \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3011         }
3012     }
3013     \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
3014     \normalfont
3015 }
3016 \settextfont[ExternalLocation,BoldFont={persian-modern-bold},BoldItalicFont={persian-modern-bo
3017 \setdigitfont[ExternalLocation,BoldFont={persian-modern-bold},BoldItalicFont={persian-modern-b
3018 \DeclareDocumentCommand \setlatintextfont { 0 } m { {
3019     \fontspec_select:nn{Mapping=teX-text,#1}{#2}
3020     \use:x {
3021         \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont {
3022             \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3023             \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3024         }
3025     }
3026 }
3027 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3028 \cs_set_eq:NN \setlatinsansfont \setsansfont
3029 \cs_set_eq:NN \setlatinmonofont \setmonofont
3030 \DeclareDocumentCommand \defpersianfont { m 0 } m { {
3031     \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#2}{#3}
3032     \use:x {
3033         \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3034             \exp_not:N \fontencoding {\g_fontspec_encoding_tl}

```



```

3035 \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3036 }
3037 }
3038 }
3039 \DeclareDocumentCommand \deflatinfont { m O{} m } {
3040 \fontspec_select:nn{Mapping=tex-text,#2}{#3}
3041 \use:x {
3042 \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3043 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3044 \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3045 }
3046 }
3047 }
3048 \newcommand\persiansfdefault{}
3049 \newcommand\persianttdefault{}
3050 \newcommand\iranicsfdefault{}
3051 \newcommand\navarsfdefault{}
3052 \newcommand\pooksfdefault{}
3053 \newcommand\sayehsfdefault{}
3054 \DeclareRobustCommand\persiansffamily
3055 {\not@math@alphabet\persiansffamily\mathpersiansf
3056 \fontfamily\persiansfdefault\selectfont}
3057 \DeclareRobustCommand\persianttfamily
3058 {\not@math@alphabet\persianttfamily\mathpersiantt
3059 \fontfamily\persianttdefault\selectfont}
3060 \DeclareRobustCommand\iranicfamily
3061 {\not@math@alphabet\iranicfamily\mathiranicsf
3062 \fontfamily\iranicsfdefault\selectfont}
3063 \DeclareRobustCommand\navarfamilysf
3064 {\not@math@alphabet\navarfamilysf\mathnavarsf
3065 \fontfamily\navarsfdefault\selectfont}
3066 \DeclareRobustCommand\pookfamilysf
3067 {\not@math@alphabet\pookfamilysf\mathpooksf
3068 \fontfamily\pooksfdefault\selectfont}
3069 \DeclareRobustCommand\sayehsfamily
3070 {\not@math@alphabet\sayehsfamily\mathsayehsf
3071 \fontfamily\sayehsfdefault\selectfont}
3072 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3073 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3074 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
3075 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
3076 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
3077 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
3078 \DeclareDocumentCommand \setpersiansansfont { O{} m } {
3079 \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3080 \normalfont
3081 }
3082 \DeclareDocumentCommand \setpersianmonofont { O{} m } {
3083 \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3084 \normalfont

```

```

3085 }
3086 \DeclareDocumentCommand \setnavarfont { 0{ } m } {
3087   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3088   \normalfont
3089 }
3090 \DeclareDocumentCommand \setpookfont { 0{ } m } {
3091   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2
3092   \normalfont
3093 }
3094 \setpookfont[ExternalLocation,ItalicFont={persian-modern-italicoutline},SlantedFont={persian-m
3095 \DeclareDocumentCommand \setsayehfont { 0{ } m } {
3096   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3097   \normalfont
3098 }
3099 \setsayehfont[ExternalLocation,ItalicFont={persian-modern-italicshadow},SlantedFont={persian-m
3100 \DeclareDocumentCommand \setiraniconfont { 0{ } m } {
3101   \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3102   \normalfont
3103 }
3104 \ExplSyntaxOff
3105 \setiraniconfont[ExternalLocation,BoldFont={persian-modern-boldoblique}]{persian-modern-oblique}
3106 \def\resetlatinfont{%
3107 \let\normalfont\latinfont%
3108 \let\reset@font\normalfont%
3109 \latinfont}
3110 \def\setpersianfont{%
3111 \let\normalfont\persianfont%
3112 \let\reset@font\normalfont%
3113 \persianfont}
3114 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3115 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3116 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3117 \def\endlatin{\endLTR}
3118 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3119 \def\endpersian{\endRTL}
3120 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlat
3121 \newenvironment{parsiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\e
3122 \let\originaltoday=\today
3123 \def\latintoday{\lr{\originaltoday}}
3124 \def\today{\rl{\persiantoday}}
3125 \def \@LTRmarginparreset {%
3126   \reset@font
3127   \latinfont
3128   \normalsize
3129   \@minipagetrue
3130   \everypar{\@minipagefalse\everypar{}\beginL}%
3131 }
3132 \DeclareRobustCommand\Latincite{%
3133   \@ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3134 \def\@Latincitex[#1]#2{\leavevmode

```

```

3135 \let\@citea\@empty
3136 \@cite{\lr{\@for\@citeb:=#2\do
3137   {\@citea\def\@citea{\penalty\@m }%
3138   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3139   \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3140   \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3141   \G@refundefinedtrue
3142   \@latex@warning
3143     {Citation `'\@citeb' on page \thepage \space undefined}}%
3144   {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}{#1}}
3145 \def\@outputpage{%
3146 \begingroup          % the \endgroup is put in by \aftergroup
3147 \let \protect \noexpand
3148 \@resetactivechars
3149 \global\let\@if@newlist\if@newlist
3150 \global\@newlistfalse
3151 \@parboxrestore
3152 \shipout \vbox{%
3153   \set@typeset@protect
3154   \aftergroup \endgroup
3155   \aftergroup \set@typeset@protect
3156                               % correct? or just restore by ending
3157                               % the group?
3158 \if@specialpage
3159   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3160 \fi
3161 \if@twoside
3162   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3163   \let\@themargin\oddsidemargin
3164   \else \let\@thehead\@evenhead
3165   \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3166 \fi
3167 \ifx\@thehead\@empty \let\@thehead\hfil \fi
3168 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3169 \else %% not @twoside
3170 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3171 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3172 \fi
3173 \reset@font
3174 \normalsize
3175 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3176 \normalsfcodes
3177 \let\label\@gobble
3178 \let\index\@gobble
3179 \let\glossary\@gobble
3180 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3181 \beginindvi
3182 \vskip \topmargin
3183 \moveright\@themargin \vbox {%
3184   \setbox\@tempboxa \vbox to\headheight{%

```

```

3185         \vfil
3186         \color@hbox
3187         \normalcolor
3188         \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3189         \color@endbox
3190         }%
3191         \dp\@tempboxa \z@
3192         \box\@tempboxa
3193         \vskip \headsep
3194         \box\@outputbox
3195         \baselineskip \footskip
3196         \color@hbox
3197         \normalcolor
3198         \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3199         \color@endbox
3200         }%
3201     }%
3202     \global\let\if@newlist\@if@newlist
3203     \global \@colht \textheight
3204     \stepcounter{page}%
3205     \let\firstmark\botmark
3206 }
3207 \newcommand\twocolumnstableofcontents{%
3208 \@ifpackageloaded{multicol}{%
3209     \begin{multicols}{2}[\section*{\contentsname}]%
3210         \small
3211         \@starttoc{toc}%
3212     \end{multicols}}
3213 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei
3214 \def\XePersian{\leavevmode$\smash{\hbox{X}\lower.5ex
3215     \hbox{\kern-.125em\@reflect@box{E}}Persian}}$}
3216 \def\figurename{\if@RTL else\ Figure\fi}
3217 \def\tablename{\if@RTL else\ Table\fi}
3218 \def\contentsname{\if@RTL else\ Contents\fi}
3219 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3220 \def\listtablename{\if@RTL else\ List of Tables\fi}
3221 \def\appendixname{\if@RTL else\ Appendix\fi}
3222 \def\indexname{\if@RTL else\ Index\fi}
3223 \def\refname{\if@RTL else\ References\fi}
3224 \def\abstractname{\if@RTL else\ Abstract\fi}
3225 \def\partname{\if@RTL else\ Part\fi}
3226 \def\datename{\if@RTL else\ Date:\fi}
3227 \def\@and{\if@RTL else\ and\fi}
3228 \def\bibname{\if@RTL else\ Bibliography\fi}
3229 \def\chaptername{\if@RTL else\ Chapter\fi}
3230 \def\ccname{\if@RTL else\ cc\fi}
3231 \def\enclname{\if@RTL else\ encl\fi}
3232 \def\pagename{\if@RTL else\ Page\fi}
3233 \def\headtoname{\if@RTL else\ To\fi}

```

```

3234 \def\proofname{\if@RTL else\ Proof\fi}
3235 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3236 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3237 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi\
3238 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3239 \let\harfinumeral\@harfi
3240 \newcommand{\adadi}[1]{%
3241 \expandafter\@adadi\csname c@#1\endcsname%
3242 }
3243 \newcommand{\@adadi}[1]{%
3244 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3245 }
3246 \let\adadinumeral\@adadi%
3247 \def\xepersian@numberoutofrange#1#2{%
3248 \PackageError{xepersian}{The number `#1' is too large %
3249 to be formatted using xepersian}{The largest possible %
3250 number is 999,999,999.}%
3251 }
3252 \def\xepersian@numberstring#1#2#3#4{%
3253 \ifnum\number#1<\@ne%
3254 #3%
3255 \else\ifnum\number#1<1000000000 %
3256 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3257 \else%
3258 \xepersian@numberoutofrange{#1}{#4}%
3259 \fi\fi%
3260 }
3261 \def\xepersian@adadi#1#2{%
3262 \expandafter\xepersian@@adadi%
3263 \ifcase%
3264 \ifnum#1<10 1%
3265 \else\ifnum#1<100 2%
3266 \else\ifnum#1<\@m 3%
3267 \else\ifnum#1<\@M 4%
3268 \else\ifnum#1<100000 5%
3269 \else\ifnum#1<1000000 6%
3270 \else\ifnum#1<10000000 7%
3271 \else\ifnum#1<100000000 8%
3272 \else9%
3273 \fi\fi\fi\fi\fi\fi\fi\fi %
3274 \or00000000#1% case 1: Add 8 leading zeros
3275 \or0000000#1% case 2: Add 7 leading zeros
3276 \or000000#1% case 3: Add 6 leading zeros
3277 \or00000#1% case 4: Add 5 leading zeros
3278 \or0000#1% case 5: Add 4 leading zeros
3279 \or000#1% case 6: Add 3 leading zeros
3280 \or00#1% case 7: Add 2 leading zeros
3281 \or0#1% case 8: Add 1 leading zero
3282 \or#1% case 9: Add no leading zeros
3283 \or%

```

```

3284 \@nil#2%
3285 \fi%
3286 }
3287 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3288 \ifnum#1#2#3>\z@
3289 \xepersian@milyoongan#1#2#3%
3290 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3291 \fi%
3292 \ifnum#4#5#6>\z@%
3293 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3294 \ifnum#4#5#6>\@ne\fi%
3295 %
3296 \ifnum#7>\z@\ \fi%
3297 \fi%
3298 \xepersian@sadgan#7{#4#5#6}1#9%
3299 }
3300 \def\xepersian@milyoongan#1#2#3{%
3301 \ifnum#1#2#3=\@ne%
3302 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3303 %
3304 %
3305 \else%
3306 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3307 %
3308 %
3309 \fi%
3310 }
3311 \def\xepersian@sadgan#1#2#3#4#5#6{%
3312 \ifnum#1>\z@%
3313 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3314 %
3315 \ifnum#2#3>\z@\ \fi%
3316 \fi%
3317 \ifnum#2#3<20%
3318 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3319 \else%
3320 \xepersian@dahgan#2%
3321 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3322 #60%
3323 \fi%
3324 }
3325 \def\xepersian@yekani#1{%
3326 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3327 \or or\ or\ or\ or\ or\ %
3328 \or or\ or\ or\ %
3329 \or or\ %fi\
3330 }
3331 \def\xepersian@yekanii#1{%
3332 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3333 }

```

```

3334 \def\xepersian@yekanii#1{%
3335 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3336 }
3337 \def\xepersian@yekaniv#1{%
3338 \ifcase#1\@empty\or\or\ or\ or\ or\ %
3339 \or\or\ or\ %fi\
3340 }
3341 \def\xepersian@dahgan#1{%
3342 \ifcase#1\or\or\ or\ %
3343 \or\or\ or\ or\ %
3344 \or %fi\
3345 }
3346 \newcommand{\tartibi}[1]{%
3347 \expandafter\@tartibi\csname c@#1\endcsname%
3348 }
3349 \newcommand{\@tartibi}[1]{%
3350 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3351 }
3352 \let\tartibinumeral\@tartibi%
3353 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3354 \ifnum\number#1<\@ne%
3355 #3%
3356 \else\ifnum\number#1<1000000000 %
3357 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3358 \else%
3359 \xepersian@numberoutofrange{#1}{#4}%
3360 \fi\fi%
3361 }
3362 \def\xepersian@adadi@tartibi#1#2{%
3363 \expandafter\xepersian@@adadi@tartibi%
3364 \ifcase%
3365 \ifnum#1<10 1%
3366 \else\ifnum#1<100 2%
3367 \else\ifnum#1<\@m 3%
3368 \else\ifnum#1<\@M 4%
3369 \else\ifnum#1<100000 5%
3370 \else\ifnum#1<1000000 6%
3371 \else\ifnum#1<10000000 7%
3372 \else\ifnum#1<100000000 8%
3373 \else9%
3374 \fi\fi\fi\fi\fi\fi\fi\fi %
3375 \or00000000#1% case 1: Add 8 leading zeros
3376 \or0000000#1% case 2: Add 7 leading zeros
3377 \or000000#1% case 3: Add 6 leading zeros
3378 \or00000#1% case 4: Add 5 leading zeros
3379 \or0000#1% case 5: Add 4 leading zeros
3380 \or000#1% case 6: Add 3 leading zeros
3381 \or00#1% case 7: Add 2 leading zeros
3382 \or0#1% case 8: Add 1 leading zero
3383 \or#1% case 9: Add no leading zeros

```

```

3384 \or%
3385 \@nil#2%
3386 \fi%
3387 }
3388 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3389 \ifnum#1#2#3>\z@
3390 \xepersian@milyoongan@tartibi#1#2#3%
3391 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3392 \fi%
3393 \ifnum#4#5#6>\z@%
3394 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3395 \ifnum#4#5#6>\@ne \fi%
3396 %
3397 \ifnum#7>\z@\ \fi%
3398 \fi%
3399 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3400 }
3401 \def\xepersian@milyoongan@tartibi#1#2#3{%
3402 \ifnum#1#2#3=\@ne%
3403 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3404 %
3405 %
3406 \else%
3407 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3408 %
3409 %
3410 \fi%
3411 }
3412 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3413 \ifnum#1>\z@%
3414 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3415 %
3416 \ifnum#2#3>\z@\ \fi%
3417 \fi%
3418 \ifnum#2#3<20%
3419 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3420 \else%
3421 \xepersian@dahgan#2%
3422 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3423 #60%
3424 \fi%
3425 }
3426 \def\xepersian@tartibi#1{%
3427 \ifcase#1 \or or\ or\ or\ %
3428 \or or\ or\ or\ or\ %
3429 \or or\ or\ or\ %
3430 \or or\ or\ %
3431 \or or\ or\ %fi\
3432 }
3433 \def\xepersian@yekanv#1{%

```



```

3434 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3435 \or or\ or\ or\ or\ or\ or\ %
3436 \or or\ or\ or\ %
3437 \or or\ %fi\
3438 }
3439 \providecommand*\xpg@warning}[1]{%
3440   \PackageWarning{XePersian}%
3441     {#1}}
3442 \if@bidi@csundef{abjadnumeral}{%
3443 \def\abjadnumeral#1{%
3444 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3445 \else
3446   \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3447   \else
3448     \ifnum#1<10\expandafter\abj@num@i\number#1%
3449     \else
3450       \ifnum#1<100\expandafter\abj@num@ii\number#1%
3451       \else
3452         \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3453         \else
3454           \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3455           \fi
3456         \fi
3457       \fi
3458     \fi
3459   \fi
3460 \fi
3461 }
3462 \def\abjad@zero{}
3463 \def\abj@num@i#1{%
3464   \ifcase#1\or or\ or\ or\ %
3465     \or or\ or\ or\ or\ fi\
3466   \ifnum#1=\z@\abjad@zero\fi}
3467 \def\abj@num@ii#1{%
3468   \ifcase#1\or or\ or\ or\ or\ %
3469     \or or\ or\ or\ fi\
3470   \ifnum#1=\z@\fi\abj@num@i}
3471 \def\abj@num@iii#1{%
3472   \ifcase#1\or or\ or\ or\ or\ %
3473     \or or\ or\ or\ fi\
3474   \ifnum#1=\z@\fi\abj@num@ii}
3475 \def\abj@num@iv#1{%
3476   \ifcase#1\or fi\
3477   \ifnum#1=\z@\fi\abj@num@iii}
3478 }{}
3479 \let\@latinalph\@alph%
3480 \let\@latinAlph\@Alph%
3481 \def\PersianAlphs{%
3482   \let\@alph\abjadnumeral%
3483   \let\@Alph\abjadnumeral%

```

```

3484 }
3485 \def\LatinAlphs{%
3486     \let\@alph\@latinalph%
3487     \let\@Alph\@latinAlph%
3488 }
3489 \PersianAlphs
3490 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3491 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3492 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3493 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3494 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3495 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3496 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3497 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3498 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3499 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3500 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3501 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3502 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3503 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3504 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3505 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3506 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}{}}
3507 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3508 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3509 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3510 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3511 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3512 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3513 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3514 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3515 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3516 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3517 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3518 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3519 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3520 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3521 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3522 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3523 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3524 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3525 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3526 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3527 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3528 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3529 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3530 \DeclareOption{Kashida}{\input{kashida-xepersian.def}}
3531 \DeclareOption{localise}{\input{localise-xepersian.def}}
3532 \DeclareOption{extrafootnotefeatures}{\@extrafootnotefeaturetrue}
3533 \DeclareOption{quickindex}{%

```

```

3534 \PackageWarning{xepersian}{Obsolete option}%
3535 \ifwritexviii%
3536 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3537 \renewcommand\printindex{\newpage%
3538 \immediate\closeout\@indexfile
3539 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3540 \@input@\jobname.ind}}}%
3541 \else
3542 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3543 \fi}
3544 \DeclareOption{quickindex-variant1}{%
3545 \ifwritexviii%
3546 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3547 \renewcommand\printindex{\newpage%
3548 \immediate\closeout\@indexfile
3549 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3550 \@input@\jobname.ind}}}%
3551 \else
3552 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3553 \fi}
3554 \DeclareOption{quickindex-variant2}{%
3555 \ifwritexviii%
3556 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3557 \renewcommand\printindex{\newpage%
3558 \immediate\closeout\@indexfile
3559 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3560 \@input@\jobname.ind}}}%
3561 \else
3562 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3563 \fi}
3564 \ExecuteOptions{localise}
3565 \ProcessOptions
3566
3567 \if@extrafootnotefeatures
3568 \input{extrafootnotefeatures-xetex-bidi.def}
3569 \input{extrafootnotefeatures-xepersian.def}
3570 \fi

```

## 7.54 xepersian-magazine.cls

```

3571 \NeedsTeXFormat{LaTeX2e}
3572 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3573 \RequirePackage{ifthen}
3574 \newlength{\xepersian@imgsize}
3575 \newlength{\xepersian@coltitsize}
3576 \newlength{\xepersian@pageneed}
3577 \newlength{\xepersian@pageleft}
3578 \newlength{\xepersian@indexwidth}
3579 \newcommand{\xepersian@ncolumns}{0}
3580 \newlength{\columnlines}

```

```

3581 \setlength{\columnlines}{0 pt} % no lines by default
3582 \newboolean{xepersian@hyphenatedtitles}
3583 \setboolean{xepersian@hyphenatedtitles}{true}
3584 \newboolean{xepersian@ninepoints}
3585 \setboolean{xepersian@ninepoints}{false}
3586 \newboolean{xepersian@showgrid}
3587 \setboolean{xepersian@showgrid}{false}
3588 \newboolean{xepersian@a3paper}
3589 \setboolean{xepersian@a3paper}{false}
3590 \newboolean{xepersian@insidefrontpage}
3591 \setboolean{xepersian@insidefrontpage}{false}
3592 \newboolean{xepersian@insideweather}
3593 \setboolean{xepersian@insideweather}{false}
3594 \newboolean{xepersian@insideindex}
3595 \setboolean{xepersian@insideindex}{false}
3596 \newcount\xepersian@gridrows
3597 \newcount\xepersian@gridcolumns
3598 \xepersian@gridrows=40
3599 \xepersian@gridcolumns=50
3600 \newcount\minraggedcols
3601 \minraggedcols=5
3602 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3603 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3604 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3605 \DeclareOption{twocolumn}%
3606 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3607 \DeclareOption{notitlepage}%
3608 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3609 \DeclareOption{twoside}%
3610 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3611 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3612 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3613 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3614 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3615 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3616 \ProcessOptions\relax
3617 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3618 \RequirePackage{ifxetex}
3619 \RequirePackage{multido}
3620 \RequirePackage{datetime}
3621 \RequirePackage{multicol}
3622 \RequirePackage{fancyhdr}
3623 \RequirePackage{fancybox}
3624 \ifthenelse{\boolean{xepersian@a3paper}}{%
3625 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3626 }{
3627 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3628 }
3629 \RequirePackage[absolute]{textpos} % absolute positioning
3630 \RequirePackage{hyphenat} % when hyphenate

```

```

3631 \RequirePackage{lastpage} % to know the last page number
3632 \RequirePackage{setspace} % set space between lines
3633 \RequirePackage{ragged2e}
3634 \newcommand{\raggedFormat}{\RaggedLeft}
3635 \AtEndOfClass{\xepersianInit}
3636 \ifthenelse{\boolean{xepersian@showgrid}}{%
3637 \AtBeginDocument{
3638 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3639 \advance\minraggedcols by -1
3640 }{%
3641 \AtBeginDocument{
3642 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3643 \advance\minraggedcols by -1
3644 }
3645 \ifthenelse{\boolean{xepersian@ninepoints}}{
3646 \renewcommand{\normalsize}{%
3647   \@setfontsize{\normalsize}{9pt}{10pt}%
3648   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3649   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3650   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3651   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3652
3653 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3654
3655 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3656
3657 \renewcommand{\small}{%
3658   \@setfontsize{\small}{8pt}{9pt}%
3659   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3660   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3661   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3662   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3663
3664 \renewcommand{\footnotesize}{%
3665   \@setfontsize{\footnotesize}{8pt}{9pt}%
3666   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3667   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3668   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3669   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3670
3671 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3672 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3673 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3674 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3675 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3676 }{}
3677 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3678 \newcommand{\xepersian@wwwFormat}{\sffamily}
3679 \newcommand{\xepersian@www}{%
3680 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}

```

```

3681 }
3682 \newcommand{\xepersian@edition}{ {
3683 \newcommand{\editionFormat}{\large\bfseries\texttt}
3684 \newcommand{\xepersian@editionLogo}{%
3685 \raisebox{-3pt}{%
3686 {\editionFormat\xepersian@edition}%
3687 }%
3688 }
3689 \newcommand{\indexFormat}{\large\bfseries}
3690 \newcommand{\xepersian@indexFrameTitle}[1]
3691 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3692
3693 \newcommand{\indexEntryFormat}{\normalsize}
3694 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3695 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3696 \end{minipage}}
3697 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3698 \newcommand{\indexEntryPageTxt}{ }
3699 \newcommand{\indexEntryPageFormat}{\footnotesize}
3700 \newcommand{\xepersian@indexEntryPage}[1]{%
3701 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3702 }
3703 \newcommand{\headDateTimeFormat}{ }
3704 \newcommand{\xepersian@headDateTime}{%
3705 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3706 \currenttime %
3707 }
3708 \newcommand{\weatherFormat}{\bfseries}
3709 \newcommand{\xepersian@weather}[1]{%
3710 \noindent{\weatherFormat #1}%
3711 }
3712 \newcommand{\weatherTempFormat}{\small}
3713 \newcommand{\weatherUnits}{\textdegree{C}}
3714 \newcommand{\xepersian@section}[0]{ {
3715 \newcommand{\xepersian@headleft}{%
3716 {\small\bfseries \@custommagazinename} \date
3717 }
3718 \newcommand{\xepersian@headcenter}{%
3719 \xepersian@section{ }
3720 }
3721 \newcommand{\xepersian@headright}{%
3722 \small\xepersian@edition%
3723 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3724 }
3725
3726 \newcommand{\heading}[3]{%
3727 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3728 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3729 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3730 }

```

```

3731 \newcommand{\xepersian@footright}{%
3732 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3733 }
3734 \newcommand{\xepersian@footcenter}{%
3735 }
3736 \newcommand{\xepersian@footleft}{%
3737 }
3738
3739 \newcommand{\foot}[3]{%
3740 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3741 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3742 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3743 }
3744 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3745 \newcommand{\xepersian@firstTitle}[1]{%
3746 {%
3747 \begin{spacing}{2.0}{%
3748 \noindent\ignorespaces
3749 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3750 {\nohyphens{\firstTitleFormat #1}}%
3751 {\firstTitleFormat #1}}%
3752 }%
3753 \end{spacing}%
3754 }%
3755 }
3756 \newcommand{\firstTextFormat}{%
3757 \newcommand{\xepersian@firstText}[1]{%
3758 {\noindent\ignorespaces\firstTextFormat #1}%
3759 }
3760 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3761 \newcommand{\xepersian@secondTitle}[1]{%
3762 \begin{spacing}{1.5}{%
3763 \noindent\ignorespaces\flushright
3764 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3765 {\nohyphens{\secondTitleFormat #1}}%
3766 {\secondTitleFormat #1}}%
3767 }\end{spacing}%
3768 }
3769 \newcommand{\secondSubtitleFormat}{\large}
3770 \newcommand{\xepersian@secondSubtitle}[1]{%
3771 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3772 }
3773 \newcommand{\secondTextFormat}{%
3774 \newcommand{\xepersian@secondText}[1]{%
3775 \begin{multicols}{2}
3776 {\noindent\ignorespaces\secondTextFormat #1}
3777 \end{multicols}
3778 }
3779 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3780 \newcommand{\xepersian@thirdTitle}[1]{%

```

```

3781 \begin{spacing}{1.5}{%
3782 \noindent\ignorespaces\flushright
3783 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3784 {\nohyphens{\thirdTitleFormat #1}}%
3785 {\thirdTitleFormat #1}}%
3786 }\end{spacing}%
3787 }
3788 \newcommand{\thirdSubtitleFormat}{\large}
3789 \newcommand{\xepersian@thirdSubtitle}[1]{%
3790 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3791 \newcommand{\thirdTextFormat}{}
3792 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3793 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3794 \newcommand{\xepersian@pictureCaption}[1]{%
3795 {\noindent\pictureCaptionFormat #1}}%
3796 }
3797 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3798 \newcommand{\xepersian@pages}[1]{%
3799 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3800 \newcommand{\innerTitleFormat}{\Huge}
3801 \newcommand{\xepersian@innerTitle}[1]{%
3802 \begin{flushright}{%
3803 \noindent
3804 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3805 {\nohyphens{\innerTitleFormat #1}}%
3806 {\innerTitleFormat #1}}%
3807 }%
3808 \\%
3809 \end{flushright}}%
3810 }
3811 \newcommand{\innerSubtitleFormat}{\large}
3812 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
3813 \newcommand{\timestampTxt}{}
3814 \newcommand{\timestampSeparator}{|}
3815 \newcommand{\timestampFormat}{\small}
3816 \newcommand{\timestamp}[1]{%
3817 {\timestampFormat%
3818 #1~\timestampTxt}%
3819 }~\timestampSeparator}%
3820 }
3821 \newcommand{\innerAuthorFormat}{\footnotesize}
3822 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3823 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3824 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3825 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3826 \newcommand{\editorialAuthorFormat}{\textsc}
3827 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3828 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
3829 \newcommand{\shortarticleSubtitleFormat}{\Large}
3830 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}

```



```

3831 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3832 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1\}}
3833 \renewcommand{\maketitle}{\begin{titlepage}%
3834   \let\footnotesize\small
3835   \let\footnoterule\relax
3836   \let \footnote \thanks
3837   \null\vfil
3838   \vskip 60\p@
3839   \begin{center}%
3840     {\LARGE \@title \par}%
3841     \vskip 1em%
3842     {\LARGE «\xepersian@edition» \par}%
3843     \vskip 3em%
3844     {\large
3845       \lineskip .75em%
3846       \begin{tabular}[t]{c}%
3847         \@author
3848       \end{tabular}\par}%
3849     \vskip 1.5em%
3850     {\large \@date \par}%
3851   \end{center}\par
3852   \@thanks
3853   \vfil\null
3854 \end{titlepage}%
3855 \setcounter{footnote}{0}%
3856 \global\let\thanks\relax
3857 \global\let\maketitle\relax
3858 \global\let\@thanks\@empty
3859 \global\let\@author\@empty
3860 \global\let\@date\@empty
3861 \global\let\@title\@empty
3862 \global\let\title\relax
3863 \global\let\author\relax
3864 \global\let\date\relax
3865 \global\let\and\relax
3866 }
3867 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3868 \newsavebox{\xepersian@fmbox}
3869 \newenvironment{xepersian@fmpage}[1]
3870 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3871 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3872 \newcommand{\image}[2]{
3873   \vspace{5pt}
3874   \setlength{\fboxsep}{1pt}
3875   \addtolength{\xepersian@imgsize}{\columnwidth}
3876   \addtolength{\xepersian@imgsize}{-1\columnsep}
3877   \ifxetex
3878     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3879     \addtolength{\xepersian@pageneed}{50pt}
3880 \ClassWarning{xepersian-magazine}{%

```

```

3881 Image #1 needs: \the\xepersian@pageneed \space %
3882 and there is left: \the\page@free\space%
3883 }
3884 \ifdim \xepersian@pageneed < \page@free
3885
3886 {\centering\fbbox{%
3887 \includegraphics[width = \xepersian@imgsize,
3888 height = \xepersian@imgsize,
3889 keepaspectratio ]{#1}}
3890 \xepersian@pictureCaption{#2}
3891
3892 \vspace{5pt}
3893 \else
3894 \ClassWarning{Image #1 needs more space!%
3895 It was not inserted!}
3896 \fi
3897 \fi
3898 }
3899 \textblockorigin{1cm}{1cm}
3900 \newdimen\xepersian@dx
3901 \newdimen\xepersian@dy
3902 \newcount\xepersian@cx
3903 \newcount\xepersian@cy
3904 \newcommand{\grid}[3][ ]{
3905 \xepersian@dx=\textwidth%
3906 \xepersian@dy=\textheight%
3907 \xepersian@cx=#3% %columns
3908 \xepersian@cy=#2% %rows
3909
3910 \count1=#3%
3911 \advance\count1 by 1
3912
3913 \count2=#2%
3914 \advance\count2 by 1
3915
3916 \divide\xepersian@dx by #3
3917 \divide\xepersian@dy by #2
3918
3919 \setlength{\TPHorizModule}{\xepersian@dx}
3920 \setlength{\TPVertModule}{\xepersian@dy}
3921
3922 \ifthenelse{\equal{#1}{show}}{
3923 \multido{\xepersian@nrow=0+1}{\count2}{
3924 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3925 \rule[0pt]{\textwidth}{.1pt}
3926 \end{textblock}
3927 }
3928
3929 \multido{\xepersian@ncol=0+1}{\count1}{
3930 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)

```

```

3931 \rule[0pt]{.1pt}{\textheight}
3932 \end{textblock}
3933 }
3934 {}
3935 }
3936 \newcommand{\xepersianInit}{
3937 \setlength{\headheight}{14pt}
3938 \renewcommand{\headrulewidth}{0.4pt}
3939
3940 \pagestyle{fancy}
3941
3942 \setlength{\columnseprule}{\columnlines}
3943 \setlength{\fboxrule}{0.1 pt}
3944
3945 }
3946
3947 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3948 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3949 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3950 \newcommand{\logo}[0]{
3951 %% Heading %%
3952 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3953
3954 \vspace*{-3pt}
3955
3956 {\Large\bfseries \@customlogo}
3957 \hrulefill
3958 \hspace{10pt}\xepersian@headDateTime
3959
3960 }
3961 \newcommand{\minilogo}[0]{
3962 {\large\bfseries \@customminilogo}
3963
3964 \vspace*{5pt}
3965 }
3966 \newcommand{\mylogo}[1]{
3967 {\beginR#1\endR}
3968
3969 \noindent
3970 \xepersian@editionLogo\hspace{5pt}
3971 \hrulefill
3972 \hspace{5pt}\xepersian@headDateTime
3973 }
3974 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3975 \newenvironment{frontpage}[0]
3976 {
3977 \setboolean{xepersian@insidefrontpage}{true}
3978 \thispagestyle{empty}
3979 \logo
3980

```

```

3981 }%
3982 {
3983 \thispagestyle{empty}
3984 \clearpage
3985 \newpage
3986 \fancyhead{}
3987 \fancyfoot{}
3988 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
3989 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
3990 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3991 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
3992 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
3993 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3994 \renewcommand{\headrulewidth}{0.4pt}
3995 \setboolean{xepersian@insidefrontpage}{false}
3996
3997 }
3998 \newcommand{\firstarticle}[3]
3999 {
4000 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4001 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4002 \begin{textblock}{24}(22,5)
4003 }
4004 {
4005 \begin{textblock}{28}(22,5)
4006 }
4007 \vspace{-7pt}
4008 \xepersian@firstTitle{#1}
4009 \end{textblock}
4010 \begin{textblock}{29}(22,10)
4011 \vspace{5pt plus 2pt minus 2pt}
4012
4013 \xepersian@firstText{\timestamp{#3}~#2}
4014
4015 \end{textblock}
4016
4017 \begin{textblock}{50}(0,15)
4018 \rule{50\TPHorizModule}{.3pt}
4019 \end{textblock}
4020 }{%else
4021 \ClassError{xepersian-magazine}{%
4022 \protect\firstarticle\space in a wrong place.\MessageBreak
4023 \protect\firstarticle\space may only appear inside frontpage environment.
4024 }{%
4025 \protect\firstarticle\space may only appear inside frontpage environment.
4026 }%
4027 }
4028 }
4029 \newcommand{\secondarticle}[5]
4030 {

```

```

4031 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4032 \begin{textblock}{33}(2,16)
4033 \xepersian@pages{#4}
4034 \vspace{-5pt}
4035 \xepersian@secondTitle{#1}
4036
4037 \vspace*{5pt}
4038
4039 \xepersian@secondSubtitle{#2}
4040
4041 \vspace*{-7pt}
4042
4043 \xepersian@secondText{\timestamp{#5}~#3}
4044
4045 \end{textblock}
4046
4047 \begin{textblock}{33}(2,25)
4048 \vspace{5pt plus 2pt minus 2pt}
4049
4050 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4051 \end{textblock}
4052 }{%else
4053 \ClassError{xepersian-magazine}{%
4054 \protect\secondarticle\space in a wrong place.\MessageBreak
4055 \protect\secondarticle\space may only appear inside frontpage environment.
4056 }{%
4057 \protect\secondarticle\space may only appear inside frontpage environment.
4058 }%
4059 }
4060 }
4061 \newcommand{\thirdarticle}[6]
4062 {
4063 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4064 \begin{textblock}{32}(2,26)
4065 \xepersian@pages{#5}
4066 \vspace{-5pt}
4067 \setlength{\fboxsep}{1pt}
4068 \xepersian@thirdTitle{#1}
4069
4070 \vspace*{5pt}
4071
4072 \xepersian@thirdSubtitle{#2}
4073
4074 \vspace*{5pt}
4075
4076 {\noindent\ignorespaces %
4077 \ifthenelse{\equal{#4}{}}{}}
4078
4079 \xepersian@thirdText{\timestamp{#6}~#3}
4080

```

```

4081 }
4082
4083 \vspace*{5pt}
4084
4085 \end{textblock}
4086 }{%else
4087 \ClassError{xepersian-magazine}{%
4088 \protect\thirdarticle\space in a wrong place.\MessageBreak
4089 \protect\thirdarticle\space may only appear inside frontpage environment.
4090 }{%
4091 \protect\thirdarticle\space may only appear inside frontpage environment.
4092 }%
4093 }
4094 }
4095 \newcommand{\firstimage}[2]
4096 {
4097 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4098 \begin{textblock}{18}(2,5)
4099 \setlength{\fboxsep}{1pt}
4100 \ifxetex % only in PDF
4101 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4102 \fi
4103
4104 \xepersian@pictureCaption{#2}
4105 \end{textblock}%
4106 }
4107 {\ClassError{xepersian-magazine}{%
4108 \protect\firstimage\space in a wrong place.\MessageBreak
4109 \protect\firstimage\space may only appear inside frontpage environment.
4110 }{%
4111 \protect\firstimage\space may only appear inside frontpage environment.
4112 }}
4113 }%
4114 \newcommand{\weatheritem}[5]{%
4115 \ifthenelse{\boolean{xepersian@insideweather}}{
4116 \begin{minipage}{45pt}
4117 \ifxetex
4118 \includegraphics[width=40pt]{#1}
4119 \fi
4120 \end{minipage}
4121 \begin{minipage}{50pt}
4122 \weatherTempFormat
4123 #2\\
4124 \beginL#3 $| $ #4 \lr{\weatherUnits{}}\endL\\
4125 #5
4126 \end{minipage}
4127 }{%else
4128 \ClassError{xepersian-magazine}{%
4129 \protect\weatheritem\space in a wrong place.\MessageBreak
4130 \protect\weatheritem\space may only appear inside weatherblock environment.

```

```

4131 }{%
4132 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4133 weatherblock environment may only appear inside frontpage environment.
4134 }%
4135 }
4136 }
4137 \newenvironment{weatherblock}[1]
4138 {
4139 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4140 \setboolean{xepersian@insideweather}{true}
4141 \begin{textblock}{32}(2,38)
4142 \vspace*{-15pt}
4143
4144 \xepersian@weather{\beginR#1\endR}
4145
4146 \vspace*{5pt}
4147
4148 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4149 \begin{minipage}{32\TPHorizModule}
4150 \hspace{5pt}
4151
4152 }{%
4153 \ClassError{xepersian-magazine}{%
4154 weatherblock in a wrong place.\MessageBreak
4155 weatherblock may only appear inside frontpage environment.
4156 }{%
4157 weatherblock may only appear inside frontpage environment.
4158 }
4159 }
4160 }%
4161 {
4162 \end{minipage}
4163 \end{xepersian@fmpage}
4164 \end{textblock}
4165 \setboolean{xepersian@insideweather}{false}
4166 }
4167 \newenvironment{authorblock}[0]
4168 {
4169 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4170 \begin{textblock}{15}(36,35)
4171 \setlength{\fboxsep}{5pt}
4172 \begin{xepersian@fmpage}{13\TPHorizModule}
4173 \begin{minipage}{13\TPHorizModule}
4174 \centering
4175 \minilogo
4176
4177 }{%else
4178 \ClassError{xepersian-magazine}{%
4179 authorblock in a wrong place.\MessageBreak
4180 authorblock may only appear inside frontpage environment.

```

```

4181 }{%
4182 authorblock may only appear inside frontpage environment.
4183 }
4184 }
4185 }
4186 {
4187 \end{minipage}
4188 \end{xepersian@fmpage}
4189 \end{textblock}
4190 }
4191 \newenvironment{indexblock}[1]
4192 {
4193 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4194 \setboolean{xepersian@insideindex}{true}%let's in
4195 \begin{textblock}{15}(36,16)
4196 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4197 \xepersian@indexFrameTitle{#1}
4198
4199 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4200 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4201 \begin{minipage}{\xepersian@indexwidth}
4202 \vspace*{10pt}
4203 }{%else
4204 \ClassError{xepersian-magazine}{%
4205 indexblock in a wrong place.\MessageBreak
4206 indexblock may only appear inside frontpage environment.
4207 }{%
4208 indexblock may only appear inside frontpage environment.
4209 }
4210 }
4211 }%
4212 {
4213 \end{minipage}
4214 \end{xepersian@fmpage}
4215 \end{textblock}
4216 \setboolean{xepersian@insideindex}{false}%let's out
4217 }
4218 \newcommand{\indexitem}[2]
4219 {
4220 \ifthenelse{\boolean{xepersian@insideindex}}{
4221 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4222
4223 \vspace{0.5cm}
4224
4225 \noindent\ignorespaces\indexEntrySeparator{
4226 }{%else
4227 \ClassError{xepersian-magazine}{%
4228 \protect\indexitem\space in a wrong place.\MessageBreak
4229 \protect\indexitem\space may only appear inside indexblock environment.
4230 }{%

```



```

4231 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4232 indexblock environment may only appear inside frontpage environment.
4233 }%
4234 }
4235 }
4236 \newcommand{\xepersian@inexpandedtitle}[1]{
4237 \begin{minipage}{.95\textwidth}
4238 \begin{center}
4239 \noindent\Large\textbf{\beginR#1\endR}
4240 \end{center}
4241 \end{minipage}
4242 }
4243 \newcommand{\expandedtitle}[2]{
4244 \end{multicols}
4245
4246 \begin{center}
4247 \setlength{\fboxsep}{5pt}
4248 \setlength{\shadowsize}{2pt}
4249 \ifthenelse{\equal{#1}{shadowbox}}{%
4250 \shadowbox{%
4251 \xepersian@inexpandedtitle{#2}%
4252 }%
4253 }{}
4254 \ifthenelse{\equal{#1}{doublebox}}{%
4255 \doublebox{%
4256 \xepersian@inexpandedtitle{#2}%
4257 }%
4258 }{}
4259 \ifthenelse{\equal{#1}{ovalbox}}{%
4260 \ovalbox{%
4261 \xepersian@inexpandedtitle{#2}%
4262 }%
4263 }{}
4264 \ifthenelse{\equal{#1}{ovalbox}}{%
4265 \ovalbox{%
4266 \xepersian@inexpandedtitle{#2}%
4267 }%
4268 }{}
4269 \ifthenelse{\equal{#1}{lines}}{
4270 \hrule
4271 \vspace*{8pt}
4272 \begin{center}
4273 \noindent\Large\textbf{#2}
4274 \end{center}
4275 \vspace*{8pt}
4276 \hrule
4277 }{}
4278 \end{center}
4279
4280 \begin{multicols}{\xepersian@ncolumns{}}

```

```

4281 \ifnum \xepersian@ncolumns > \minraggedcols
4282 \raggedFormat
4283 \fi
4284 }
4285 \newcommand{\xepersian@incolumntitle}[2]{
4286 \begin{minipage}{#1}
4287 \begin{center}
4288 \noindent\normalsize\textbf{#2}
4289 \end{center}
4290 \end{minipage}
4291 }
4292
4293 \newcommand{\columnntitle}[2]{
4294 \vspace*{5pt}
4295 \begin{center}
4296 \setlength{\fboxsep}{5pt}
4297 \setlength{\shadowsize}{2pt}
4298 \addtolength{\xepersian@coltitsize}{\columnwidth}
4299 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4300 \addtolength{\xepersian@coltitsize}{-5pt}
4301 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4302 \ifthenelse{\equal{#1}{shadowbox}}{%
4303 \shadowbox{%
4304 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4305 }%
4306 }{}
4307 \ifthenelse{\equal{#1}{doublebox}}{%
4308 \doublebox{%
4309 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4310 }%
4311 }{}
4312 \ifthenelse{\equal{#1}{ovalbox}}{%
4313 \ovalbox{%
4314 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4315 }%
4316 }{}
4317 \ifthenelse{\equal{#1}{ovalbox}}{%
4318 \ovalbox{%
4319 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4320 }%
4321 }{}
4322 \ifthenelse{\equal{#1}{lines}}{
4323 \hrule
4324 \vspace*{5pt}
4325 \begin{center}
4326 \noindent\normalsize\textbf{#2}
4327 \end{center}
4328 \vspace*{5pt}
4329 \hrule
4330 }{}

```

```

4331 \end{center}
4332 }
4333 \renewcommand{\date}{%
4334 \longdate{\today}%
4335 }
4336 \newcommand{\authorandplace}[2]{%
4337 \rightline{%
4338 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
4339 }%
4340 \par %
4341 }
4342 \newcommand{\newsection}[1]{
4343 \renewcommand{\xepersian@section}{#1}
4344 }
4345 \newenvironment{article}[5]
4346 {
4347 \xepersian@say{Adding a new piece of article}
4348 \renewcommand{\xepersian@ncolumns}{#1}
4349 \begin{multicols}{#1}[
4350 \xepersian@pages{#4}
4351 \xepersian@innerTitle{#2}%
4352 \xepersian@innerSubtitle{#3}%
4353 ][4cm]%
4354 \label{#5}
4355 \ifnum #1 > \minraggedcols
4356 \raggedFormat
4357 \fi
4358 }
4359 {\~\innerTextFinalMark{}
4360 \end{multicols}
4361 }
4362 \newcommand{\articlesep}{%
4363 \setlength{\xepersian@pageneed}{16000pt}
4364 \setlength\xepersian@pageleft{\pagegoal}
4365 \addtolength\xepersian@pageleft{-\pagetotal}
4366
4367 \xepersian@say{How much left \the\xepersian@pageleft}
4368
4369 \ifdim \xepersian@pageneed < \xepersian@pageleft
4370 \xepersian@say{Not enough space}
4371 \else
4372 \xepersian@say{Adding sep line between articles}
4373 \vspace*{10pt plus 10pt minus 5pt}
4374 \hrule
4375 \vspace*{10pt plus 5pt minus 5pt}
4376 \fi
4377
4378 }
4379 \newcommand{\xepersian@editorialTit}[2]{
4380 \setlength{\arrayrulewidth}{.1pt}

```

```

4381 \begin{center}
4382 \begin{tabular}{c}
4383 \noindent
4384 \xepersian@editorialTitle{#1}
4385 \vspace{2pt plus 1pt minus 1pt}
4386 \\
4387 \hline
4388 \vspace{2pt plus 1pt minus 1pt}
4389 \\
4390 \editorialAuthorFormat{#2}
4391 \end{tabular}
4392 \end{center}
4393 }
4394 \newenvironment{editorial}[4]
4395 {
4396 \xepersian@say{Adding a new editorial}
4397 \begin{multicols}{#1}[%
4398 \xepersian@editorialTit{#2}{#3}%
4399 ] [4cm]
4400 \label{#4}
4401 \ifnum #1 > \minraggedcols
4402 \raggedFormat
4403 \fi
4404 }
4405 {
4406 \end{multicols}
4407 }
4408 \newcommand{\xepersian@shortarticleTit}[2]{
4409 \begin{center}
4410 \vbox{%
4411 \noindent
4412 \xepersian@shortarticleTitle{#1}
4413 \vspace{4pt plus 2pt minus 2pt}
4414 \hrule
4415 \vspace{4pt plus 2pt minus 2pt}
4416 \xepersian@shortarticleSubtitle{#2}
4417 }
4418 \end{center}
4419 }
4420 \newenvironment{shortarticle}[4]
4421 {
4422 \xepersian@say{Adding a short article block}
4423 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4424 \label{#4}
4425 \par %
4426 \ifnum #1 > \minraggedcols
4427 \raggedFormat
4428 \fi
4429 }
4430 {

```

```

4431 \end{multicols}
4432 }
4433 \newcommand{\shortarticleitem}[2]{
4434 \goodbreak
4435 \vspace{5pt plus 3pt minus 3pt}
4436 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}}
4437 \vspace{5pt plus 3pt minus 3pt}
4438 {\noindent #2}\\
4439 }

```

## 7.55 xepersian-mathsdigitspec.sty

```

4440 \NeedsTeXFormat{LaTeX2e}
4441 \ProvidesPackage{xepersian-mathsdigitspec}
4442 [2013/10/21 v1.0.5 Unicode Persian maths digits in XeLaTeX]
4443 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4444 \let\newfam\new@mathgroup
4445 \def\select@group#1#2#3#4{%
4446 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4447 {%
4448 \ifmmode
4449 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4450 \begingroup
4451 \escapechar\m@ne
4452 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4453 \globaldefs\@ne \math@fonts
4454 \endgroup
4455 \init@restore@version
4456 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4457 {\number\csname c@mv@\math@version\endcsname}}}%
4458 \global\advance\csname c@mv@\math@version\endcsname\@ne
4459 \else
4460 \let#1\relax
4461 \@latex@error{Too many math alphabets used in
4462 version \math@version}%
4463 \@eha
4464 \fi
4465 \else \expandafter\non@alpherr\fi
4466 #1{#4}%
4467 }%
4468 }
4469 \def\document@select@group#1#2#3#4{%
4470 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4471 {%
4472 \ifmmode
4473 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4474 \begingroup
4475 \escapechar\m@ne
4476 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4477 \globaldefs\@ne \math@fonts

```

```

4478 \endgroup
4479 \expandafter\extract@alph@from@version
4480 \csname mv@\math@version\expandafter\endcsname
4481 \expandafter{\number\csname
4482 c@mv@\math@version\endcsname}%
4483 #1%
4484 \global\advance\csname c@mv@\math@version\endcsname\@ne
4485 \else
4486 \let#1\relax
4487 \latex@error{Too many math alphabets used
4488 in version \math@version}%
4489 \@eha
4490 \fi
4491 \else \expandafter\non@alpherr\fi
4492 #1{#4}%
4493 }%
4494 }
4495 \ExplSyntaxOn
4496 \bool_set_false:N \g_fontspec_math_bool
4497 \ExplSyntaxOff
4498 \def\@preamblecmds{}
4499 \newcommand\xepersian@not@onlypreamble[1]{%
4500 \def\do##1{\ifx#1##1\else\noexpand\do\noexpand##1\fi}%
4501 \xdef\@preamblecmds{\@preamblecmds}}
4502 \xepersian@not@onlypreamble\@preamblecmds
4503 \def\xepersian@notprerr{ can be used only in preamble (\on@line)}
4504 \AtBeginDocument{%
4505 \def\do#1{\noexpand\do\noexpand#1}%
4506 \edef\@preamblecmds{%
4507 \def\noexpand\do##1{%
4508 \def##1{\noexpand\xepersian@NotprerrMessage##1\noexpand\@eha}}}%
4509 \@preamblecmds}
4510 \def\xepersian@NotprerrMessage#1{%
4511 \PackageError{xepersian}%
4512 {\noexpand\string#1 \noexpand\xepersian@notprerr}{}}%
4513 }
4514 \def\nocite#1{%
4515 \@bsphack{\setbox0=\hbox{\cite{#1}}\@esphack}
4516 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4517 \newcommand\SetMathCode[4]{%
4518 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4519 \newcommand\SetMathCharDef[4]{%
4520 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4521 \ExplSyntaxOn
4522 \cs_new_eq:NN \orig_mathbf:n \mathbf
4523 \cs_new_eq:NN \orig_mathit:n \mathit
4524 \cs_new_eq:NN \orig_mathrm:n \mathrm
4525 \cs_new_eq:NN \orig_mathsf:n \mathsf
4526 \cs_new_eq:NN \orig_mathtt:n \mathtt
4527 \NewDocumentCommand \new@mathbf { m } {

```

```

4528 \orig_mathbf:n {
4529   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4530     \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4531   }
4532   #1
4533 }
4534 }
4535 \NewDocumentCommand \new@mathit { m } {
4536   \orig_mathit:n {
4537     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4538       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4539     }
4540     #1
4541   }
4542 }
4543 \NewDocumentCommand \new@mathrm { m } {
4544   \orig_mathrm:n {
4545     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4546       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4547     }
4548     #1
4549   }
4550 }
4551 \NewDocumentCommand \new@mathsf { m } {
4552   \orig_mathsf:n {
4553     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4554       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4555     }
4556     #1
4557   }
4558 }
4559 \NewDocumentCommand \new@mathtt { m } {
4560   \orig_mathtt:n {
4561     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4562       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4563     }
4564     #1
4565   }
4566 }
4567 \newcommand\setdigitfont [2] [] {%
4568   \let\glb@currsizel\relax
4569   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1}{#2}
4570   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4571   \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4572   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4573   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4574   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4575   \def\xepersianmathsdigits{%
4576     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4577     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}

```

```

4578 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4579 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4580 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4581 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4582 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4583 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4584 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4585 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4586 \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }

4587 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4588 \cs_set_eq:NN \mathbf \new@mathbf
4589 \cs_set_eq:NN \mathit \new@mathit
4590 \cs_set_eq:NN \mathrm \new@mathrm}
4591 }
4592 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m } {
4593 \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1}{#2}
4594 \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4595 \def\persianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4596 }
4597 \DeclareDocumentCommand \setmathttdigitfont { 0{} m } {
4598 \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1}{#2}
4599 \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4600 \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4601 }
4602 \ExplSyntaxOff
4603 \ifx\newcommand\undefined\else
4604 \newcommand{\ZifferAn}{}
4605 \fi
4606 \mathchardef\ziffer@DotOri="013A
4607 {\ZifferAn
4608 \catcode\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4609 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4610 \def\ziffer@check#1#2{%
4611 \ifx\n1\endgroup#1\else
4612 \ifx\n2\endgroup#1\else
4613 \ifx\n3\endgroup#1\else
4614 \ifx\n4\endgroup#1\else
4615 \ifx\n5\endgroup#1\else
4616 \ifx\n6\endgroup#1\else
4617 \ifx\n7\endgroup#1\else
4618 \ifx\n8\endgroup#1\else
4619 \ifx\n9\endgroup#1\else
4620 \ifx\n0\endgroup#1\else
4621 \endgroup#2%
4622 \fi
4623 \fi
4624 \fi
4625 \fi
4626 \fi

```



```

4627         \fi
4628     \fi
4629 \fi
4630 \fi
4631 \fi}
4632 \mathcode`.="8000\relax
4633 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4634 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4635 \def\PersianMathsDigits{\def\SetMathsDigits{%
4636 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4637 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4638 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4639 \def\AutoMathsDigits{\def\SetMathsDigits{%
4640 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4641 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4642 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
4643 \AutoMathsDigits
4644 \everymath\expandafter{\the\everymath\SetMathsDigits}
4645 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

## 7.56 xepersian-multiplechoice.sty

```

4646 \NeedsTeXFormat{LaTeX2e}
4647 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4648         Multiple Choice Questionnaire class for Persian in XeLaTeX]
4649 \RequirePackage{pifont}
4650 \RequirePackage{fullpage}
4651 \RequirePackage{ifthen}
4652 \RequirePackage{calc}
4653 \RequirePackage{verbatim}
4654 \RequirePackage{tabularx}
4655 \def\@headerfont{\bfseries}
4656 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4657 \def\@X{X}
4658 \newcommand\X[1]{\gdef\@X{#1}}
4659 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4660 \newcolumnntype{D}{>{\pbs\centering}X}
4661 \newcolumnntype{Q}{>{\@headerfont}X}
4662
4663 \renewcommand\tabularxcolumn[1]{m{#1}}
4664 \newcommand\makeform@nocorrection{%
4665     \addtocontents{frm}{\protect\end{tabularx}}
4666     \@starttoc{frm}}
4667 \newcommand\makeform@correction{%
4668     \addtocontents{frm}{\protect\end{tabularx}}}
4669 \newcommand\makemask@nocorrection{%
4670     \addtocontents{msk}{\protect\end{tabularx}}
4671     \@starttoc{msk}}
4672 \newcommand\makemask@correction{%
4673     \addtocontents{msk}{\protect\end{tabularx}}}

```

```

4674 \newlength\questionspace
4675 \setlength\questionspace{0pt}
4676 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4677 \def\@answerstitlefont{\bfseries}
4678 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4679 \def\@answernumberfont{\bfseries}
4680 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4681 \newcounter{question}\stepcounter{question}
4682 \newcounter{@choice}
4683 \def\@initorcheck{%
4684   \xdef\@choices{\the@choice}%
4685   \setcounter{@choice}{1}%
4686   \gdef\@arraydesc{|Q||}%
4687   \gdef\@headerline{}%
4688   \whiledo{\not{\value{@choice}>\@choices}}{
4689     \xdef\@arraydesc{\@arraydesc D|}
4690     \def\@appendheader{\g@addto@macro\@headerline}
4691     \@appendheader{&\protect\@headerfont}
4692     \edef\@the@choice{{\alph{@choice}}}%
4693     \expandafter\@appendheader\@the@choice
4694     \stepcounter{@choice}}%
4695   \addtocontents{frm}{%
4696     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4697     \protect\hline
4698     \@headerline\protect\\\protect\hline\protect\hline}%
4699   \addtocontents{msk}{%
4700     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4701     \protect\hline
4702     \@headerline\protect\\\protect\hline\protect\hline}%
4703   \gdef\@initorcheck{%
4704     \ifthenelse{\value{@choice} = \@choices}{}%
4705     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4706       (\the@choice\space instead of \@choices)}{%
4707       Questions must all have the same number of proposed answers.%
4708       \MessageBreak
4709       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4710 \newenvironment{question}[1]{%
4711   %% \begin{question}
4712   \begin{minipage}{\textwidth}
4713     \xdef\@formanswerline{\@questionheader}%
4714     \xdef\@maskanswerline{\@questionheader}%
4715     \fbox{\parbox[c]{\linewidth}{#1}}
4716     \vspace\questionspace\par
4717     {\@answerstitlefont\@answerstitle}
4718     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4719   %% \end{question}
4720   \end{list}
4721   \@initorcheck%
4722   \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4723   \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%

```

```

4724 \end{minipage}
4725 \stepcounter{question}}
4726 \def\@truesymbol{\ding{52}~}
4727 \def\@falsesymbol{\ding{56}~}
4728 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4729 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4730 \def\@true@nocorrection{\item}
4731 \def\@false@nocorrection{\item}
4732 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4733 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4734 \newcommand\true{%
4735 \xdef\@formanswerline{\@formanswerline&}%
4736 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4737 \@true}%
4738 \newcommand>false{%
4739 \xdef\@formanswerline{\@formanswerline&}%
4740 \xdef\@maskanswerline{\@maskanswerline&}%
4741 \@false}%
4742 \def\@correctionstyle{\itshape}
4743 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4744 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4745 \def\@questionheader{\thequestion}
4746 \answerstyle{
4747 \DeclareOption{nocorrection}{%
4748 \let\@true\@true@nocorrection
4749 \let\@false\@false@nocorrection
4750 \let\correction\comment
4751 \let\endcorrection\endcomment
4752 \def\makeform{\makeform@nocorrection}
4753 \def\makemask{\makemask@nocorrection}}
4754 \DeclareOption{correction}{%
4755 \let\@true\@true@correction
4756 \let\@false\@false@correction
4757 \let\correction\@correction
4758 \let\endcorrection\end@correction
4759 \def\makeform{\makeform@correction}
4760 \def\makemask{\makemask@correction}}
4761 \ExecuteOptions{nocorrection}
4762 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4763 \def\@questiontitlefont{\bfseries}
4764 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4765 \newlength\questiontitlespace
4766 \setlength\questiontitlespace{5pt}
4767 \newlength\questionsepspace
4768 \setlength\questionsepspace{20pt}
4769 \gdef\@questionsepspace{0pt}
4770 \let\old@question\question
4771 \let\old@endquestion\endquestion
4772 \renewenvironment{question}[1]{%
4773 %% \begin{question}

```

```

4774 \vspace\@questionsepspace
4775 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4776 \nopagebreak\vspace\questiontitlespace\par
4777 \old@question{#1}{\%
4778 %% \end{question}
4779 \old@endquestion
4780 \gdef\@questionsepspace{\questionsepspace}}
4781 \questiontitle{ \thequestion:}
4782 \ProcessOptions

```

## 7.57 xepersian-persiancal.sty

```

4783 \NeedsTeXFormat{LaTeX2e}
4784 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4785
4786 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4787 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4788 \newcount\XePersian@latini \newcount\XePersian@persiani
4789 \newcount\XePersian@latinii \newcount\XePersian@persianii
4790 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4791 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4792 \newcount\XePersian@latinv \newcount\XePersian@persianv
4793 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4794 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4795 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4796 \newcount\XePersian@latinix \newcount\XePersian@persianix
4797 \newcount\XePersian@latinx \newcount\XePersian@persianx
4798 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4799 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4800 \newcount\XePersian@persianxiii
4801
4802 \newcount\XePersian@temp
4803 \newcount\XePersian@temptwo
4804 \newcount\XePersian@tempthree
4805 \newcount\XePersian@yModHundred
4806 \newcount\XePersian@thirtytwo
4807 \newcount\XePersian@dn
4808 \newcount\XePersian@sn
4809 \newcount\XePersian@mminusone
4810
4811
4812 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4813 \XePersian@temp=\XePersian@y
4814 \divide\XePersian@temp by 100\relax
4815 \multiply\XePersian@temp by 100\relax
4816 \XePersian@yModHundred=\XePersian@y
4817 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4818 \ifodd\XePersian@yModHundred
4819 \XePersian@leapfalse
4820 \else

```

```

4821 \XePersian@temp=\XePersian@yModHundred
4822 \divide\XePersian@temp by 2\relax
4823 \ifodd\XePersian@temp\XePersian@leapfalse
4824 \else
4825     \ifnum\XePersian@yModHundred=0%
4826         \XePersian@temp=\XePersian@y
4827         \divide\XePersian@temp by 400\relax
4828         \multiply\XePersian@temp by 400\relax
4829         \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4830     \else\XePersian@leaptrue
4831 \fi
4832 \fi
4833 \fi
4834 \XePersian@latini=31\relax
4835 \ifXePersian@leap
4836     \XePersian@latinii = 29\relax
4837 \else
4838     \XePersian@latinii = 28\relax
4839 \fi
4840 \XePersian@latiniii = 31\relax
4841 \XePersian@latiniv = 30\relax
4842 \XePersian@latin v = 31\relax
4843 \XePersian@latinvi = 30\relax
4844 \XePersian@latinvii = 31\relax
4845 \XePersian@latinviii = 31\relax
4846 \XePersian@latinix = 30\relax
4847 \XePersian@latinx = 31\relax
4848 \XePersian@latinxi = 30\relax
4849 \XePersian@latinxii = 31\relax
4850 \XePersian@thirtytwo=32\relax
4851 \XePersian@temp=\XePersian@y
4852 \advance\XePersian@temp by -17\relax
4853 \XePersian@temptwo=\XePersian@temp
4854 \divide\XePersian@temptwo by 33\relax
4855 \multiply\XePersian@temptwo by 33\relax
4856 \advance\XePersian@temp by -\XePersian@temptwo
4857 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4858 \else
4859     \XePersian@temptwo=\XePersian@temp
4860     \divide\XePersian@temptwo by 4\relax
4861     \multiply\XePersian@temptwo by 4\relax
4862     \advance\XePersian@temp by -\XePersian@temptwo
4863     \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4864 \fi
4865 \XePersian@tempthree=\XePersian@y % Number of Leap years
4866 \advance\XePersian@tempthree by -1
4867 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4868 \divide\XePersian@temp by 4\relax
4869 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4870 \divide\XePersian@temptwo by 100\relax

```

```

4871 \advance\XePersian@temp by -\XePersian@temptwo
4872 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4873 \divide\XePersian@temptwo by 400\relax
4874 \advance\XePersian@temp by \XePersian@temptwo
4875 \advance\XePersian@tempthree by -611 % Number of Kabise years
4876 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4877 \divide\XePersian@temptwo by 33\relax
4878 \multiply\XePersian@temptwo by 8\relax
4879 \advance\XePersian@temp by -\XePersian@temptwo
4880 \XePersian@temptwo=\XePersian@tempthree %
4881 \divide\XePersian@temptwo by 33\relax
4882 \multiply\XePersian@temptwo by 33\relax
4883 \advance\XePersian@tempthree by -\XePersian@temptwo
4884 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
4885 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4886 \advance\XePersian@temp by -\XePersian@tempthree
4887 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4888 \XePersian@persiani=31
4889 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4890 \XePersian@persianii = 30\relax
4891 \ifXePersian@kabiseh
4892 \XePersian@persianiii = 30\relax
4893 \else
4894 \XePersian@persianiii = 29\relax
4895 \fi
4896 \XePersian@persianiv = 31\relax
4897 \XePersian@persianv = 31\relax
4898 \XePersian@persianvi = 31\relax
4899 \XePersian@persianvii = 31\relax
4900 \XePersian@persianviii= 31\relax
4901 \XePersian@persianix = 31\relax
4902 \XePersian@persianx = 30\relax
4903 \XePersian@persianxi = 30\relax
4904 \XePersian@persianxii = 30\relax
4905 \XePersian@persianxiii= 30\relax
4906 \XePersian@dn= 0\relax
4907 \XePersian@sn= 0\relax
4908 \XePersian@mminusone=\XePersian@m
4909 \advance\XePersian@mminusone by -1\relax
4910 \XePersian@i=0\relax
4911 \ifnum\XePersian@i < \XePersian@mminusone
4912 \loop
4913 \advance \XePersian@i by 1\relax
4914 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4915 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4916 \fi
4917 \advance \XePersian@dn by \XePersian@d
4918 \XePersian@i=1\relax
4919 \XePersian@sn = \XePersian@persiani
4920 \ifnum \XePersian@sn<\XePersian@dn

```

```

4921 \loop
4922 \advance \XePersian@i by 1\relax
4923 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4924 \ifnum \XePersian@sn<\XePersian@dn \repeat
4925 \fi
4926 \ifnum \XePersian@i < 4
4927   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4928   \advance \XePersian@y by -622\relax
4929 \else
4930   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4931   \advance \XePersian@y by -621\relax
4932 \fi
4933 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4934 \endcsname
4935 \ifnum\XePersian@i = 1
4936   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
4937 \else
4938   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4939 \fi
4940 \newcommand*{\persiantoday}{\%
4941 \number\XePersian@d\space%
4942 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4943 }
4944 \let\persianyear\XePersian@y
4945 \let\persianmonth\XePersian@m
4946 \let\persianday\XePersian@d
4947 \def\XePersian@persian@month#1{\ifcase#1\or or\
4948 or\
4949 or\    or\
4950 or\
4951 or\    or\
4952 or\    or\
4953 or\    or\
4954 \fi\

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## 8 Change History

v13.1	General: Added implementation of the package. . . . .	1	\bidi@reflect@box. . . . .	124	
v13.2	General: Replaced \reflect with		v13.5	General: Fixed the extra space after Persian decimal separator. . .	152