



# The XePersian *Package*

Documentation for *version 19.2*

*to my Master, Ferdowsi The Great*

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

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

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

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# The XePersian *Package*

## Persian for $\text{\LaTeX}$ <sub>2 $\epsilon$</sub> , using Xe $\text{\TeX}$ engine

Documentation for [version 19.2](#)

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## 1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe $\LaTeX$ . The package includes adaptations for use with many other commonly-used packages.

### 1.1 Important Notes

- ☞ The XePersian package only works with Xe $\TeX$  engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ( $\leq 1.0.3$ ) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like  $\LaTeX$  and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

### 1.2 XePersian Info On The Terminal and In The Log File

If you use XePersian package to write any input  $\TeX$  document, and then run `xelatex` on your document, in addition to what bidi package writes to the terminal and to the log file, the XePersian package also writes some information about itself to the terminal and to the log file, too. The information is something like:

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2017 Vafa Khalighi
*
* v19.2, 2017/09/02
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



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

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

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

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

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

For instance, consider the following minimal example:

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

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

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

See the xepersian package documentation for explanation.



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

1.5 \begin{document}

?
```

## 2.2 XePersian's Symbol

As you may know lion symbolizes T<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 few options:

### 2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

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

<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>



### 2.4.2 extrafootnotefeatures Option

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

### 2.4.3 Kashida Option

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

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

`\KashidaOn`   `\KashidaOff`

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

☞ `\KashidaOff` disables `Kashida`.

### 2.4.4 quickindex Option

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

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

### 2.4.5 quickindex-variant1 Option

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

### 2.4.6 quickindex-variant2 Option

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





### 2.4.7 localise Option

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

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

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

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

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

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

Table 1: The Equivalent  $\LaTeX$  and  $\TeX$  Commands

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

*Continued on next page*



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

*Continued on next page*



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

*Continued on next page*



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

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

*Continued on next page*



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

*Continued on next page*



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

<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادرا</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>@firstofone</code>	<code>@اولی از یک</code>
<code>@firstoftwo</code>	<code>@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پرشکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>
<code>\flat</code>	<code>\پهن</code>
<code>\floatpagefraction</code>	<code>\نسبت صفحه شناور</code>
<code>\floatingpenalty</code>	<code>\جریمه شناور</code>
<code>\floatsep</code>	<code>\فاصله بین شناور</code>
<code>\flushbottom</code>	<code>\تنظیم از پایین</code>
<code>\fmtname</code>	<code>\شکل بندی</code>
<code>\fmtversion</code>	<code>\رده شکل بندی</code>
<code>\fnsymbol</code>	<code>\نشانه</code>
<code>\font</code>	<code>\قلم</code>
<code>\fontdimen</code>	<code>\بعد قلم</code>
<code>\fontencoding</code>	<code>\رمزینه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>

*Continued on next page*



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

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

*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>\hbadness</code>	<code>\بدنمایی</code>
<code>\hbox</code>	<code>\کادرا</code>
<code>\headheight</code>	<code>\بلندای سرصفحه</code>
<code>\headsep</code>	<code>\فاصله از سرصفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزاقفی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر د</code>
<code>\hrule</code>	<code>\خط</code>
<code>\hrulefill</code>	<code>\پرخط</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله</code>
<code>\hspace</code>	<code>\فضای</code>
<code>\hss</code>	<code>\هر دوا</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابر پیوند</code>
<code>\hypersetup</code>	<code>\بارگذاری ابر</code>
<code>\hypertarget</code>	<code>\هدف ابر</code>
<code>\hyphenation</code>	<code>\تیره بندی</code>
<code>\hyphenchar</code>	<code>\نویسه تیره</code>
<code>\hyphenpenalty</code>	<code>\جریمه تیره بندی</code>
<code>\@ifclassloaded</code>	<code>\@گر کلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گر ترش دنی</code>
<code>\@ifnextchar</code>	<code>\@گر نویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گر سبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گر ستاره</code>
<code>\@ifundefined</code>	<code>\@گر تعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempswa</code>	<code>\گر@سواقت آ</code>

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

*Continued on next page*



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

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

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

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

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

*Continued on next page*



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

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

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

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

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

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

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

*Continued on next page*



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

\@tempb	\@موقت ب
\@tempc	\@موقت پ
\@tempd	\@موقت ت
\@tempe	\@موقت ث
\@tempboxa	\@کادرقت آ
\@tempcnta	\@شماقت آ
\@tempcntb	\@شماقت ب
\@tempdima	\@بعدقت آ
\@tempdimb	\@بعدقت ب
\@tempdimc	\@بعدقت پ
\@tempskipa	\@فاقت آ
\@tempskipb	\@فاقت ب
\@tempswafalse	\@سواقت آنادرست
\@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 سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی

*Continued on next page*



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

<code>\textbar</code>	\میلۀ متنی
<code>\textgreater</code>	\بزرگ ترممتی
<code>\textless</code>	\کمترمتی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدورمتی
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متنی
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبک متنی
<code>\textsuperscript</code>	\بالا نویسی متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\times	\ضرب در
\title	\عنوان
\to	\به
\today	\امروز
\toks	\جزء
\toksdef	\تعریف جزء
\tolerance	\حدبدنمایی
\top	\بالا
\topfigrule	\خط بالای شناور
\topfraction	\نسبت بالا
\topmargin	\حاشیه بالا
\topmark	\علامت بالا
\toppageskip	\کادر تا بالا
\topsep	\فاصله بالای لیست
\topskip	\فاصله بالا
\totalheight	\بلندای کل
\tracingall	\ردگیری کل
\tracingcommands	\ردگیری فرامین
\tracinglostchars	\ردگیری حروف
\tracingmacros	\ردگیری ماکروها
\tracingonline	\ردگیری نمایشی
\tracingoutput	\ردگیری صفحه بندی
\tracingpages	\ردگیری صفحات
\tracingparagraphs	\ردگیری بندها
\tracingrestores	\ردگیری بازگردانی
\tracingstats	\ردگیری آمارها
\triangle	\مثلث
\ttdefault	\پیش فرض تایپ
\ttfamily	\فامیل تایپ
\tw@	\دو@
\twocolumn	\دو ستون
\typein	\درنویس
\typeout	\برنویس
\uccode	\کد بزرگ
\uchyph	\تیره بندی بزرگ
\undefined	\تعریف نشده
\underline	\زیرخط
\unhbox	\بی کادرا
\unhcopy	\بی کپی
\unitlength	\واحد طول

*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>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پرزعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>
<code>\voidb@x</code>	<code>\ک@درتهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادرگود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>

*Continued on next page*





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

Table 2: The Equivalent XePersian Commands

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

*Continued on next page*



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

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

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

*Continued on next page*



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

*Continued on next page*



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

Table 4: The Equivalent XePersian Environments

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

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

Table 5: The Equivalent  $\LaTeX$  position arguments

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

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

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

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



Table 6: Persian Equivalent keys of graphicx package

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

Table 7: Persian Equivalent key values of graphicx package

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

#### 2.4.9 Localizations of font features and font feature options

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

Table 8: Persian Equivalent font features

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

*Continued on next page*



Original font feature	Equivalent Persian font feature
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه

*Continued on next page*



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

Table 9: Persian Equivalent font feature options

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

## 2.5 A Sample Input T<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 زیر قسمت}
16 ...
17 \end{document}

```

## 2.6 Font Commands



### 2.6.1 Basic Font Commands

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

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T<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.
- ☞ `\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.

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

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

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

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

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





### 2.6.3 Choosing Persian Sans Font

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

### 2.6.4 Choosing Persian Mono Font

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

### 2.6.5 Choosing Persian Iranic Font

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

### 2.6.6 Choosing Persian Navar Font

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

### 2.6.7 Choosing Persian Pook Font

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

### 2.6.8 Choosing Persian Sayeh Font

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

### 2.6.9 Choosing Latin Sans Font

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

### 2.6.10 Choosing Latin Mono Font

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



## 3 Latin and Persian Environment

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

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

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

### 3.1 `latinitems` and `parsiitems` environments

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

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

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

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

### 3.2 Short Latin and Persian Texts

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

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

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

### 3.3 Miscellaneous Commands

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

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



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

### 3.4 New Commands

`\Latincite`

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

### 3.5 Additional Counters

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

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

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



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

`\DefaultMathsDigits   \PersianMathsDigits   \AutoMathsDigits`

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

☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T<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 l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

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

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

## 5.2 Index Generation

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

## 5.3 Converting Your FarsiT<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>2</sup> a magazine just load the class as usual<sup>3</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 6.1.9](#).

#### 6.1.3 Front Page

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

```
\firstimage \firstarticle
```

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

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

<sup>3</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.



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

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

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

```
\secondarticle
```

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

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

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

```
\thirdarticle
```

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

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

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

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

```
\indexitem
```

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

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

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



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

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

```
\weatheritem
```

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

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

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

#### 6.1.4 Inside

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

#### 6.1.5 The article environment

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

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

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

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





```
\authorandplace \timestamp
```

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

```
\image
```

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

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

```
\columnntitle \expandedtitle
```

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

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

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

### 6.1.6 The editorial environment

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



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

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

### 6.1.7 The shortarticle environment

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

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

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

### 6.1.8 Commands between articles

```
\articlesep \newsection
```

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

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

### 6.1.9 Customization

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

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

### 6.2.5 The question Environment

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

```
\true \false
```

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

### 6.2.6 Question Numbers

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



### 6.2.7 The Form and the Mask

`\makeform \makemask`

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

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of  $\text{\LaTeX}$  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}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

## 7.4 amsbook-xepersian.def

```

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

```

## 7.5 appendix-xepersian.def

```

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

```

## 7.6 article-xepersian.def

```

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

```



```

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

```

## 7.7 artikel1-xepersian.def

```

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

```

## 7.8 artikel2-xepersian.def

```

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

```

## 7.9 artikel3-xepersian.def

```

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

```

## 7.10 backref-xepersian.def

```

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

```



```

80 }%
81 }%

```

### 7.11 bidentuftsidenote-xepersian.def

```

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

```

### 7.12 bidimoderncv-xepersian.def

```

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

```

### 7.13 boek3-xepersian.def

```

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

```

### 7.14 boek-xepersian.def

```

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

```

### 7.15 bookest-xepersian.def

```

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

```



```

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

```

## 7.16 book-xepersian.def

```

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

```

## 7.17 breqn-xepersian.def

```

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

```



```

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

```

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

```

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

```



```

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

```



```

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

```



```

310 \eqcommand{      }{dblfntlocatcode}
311 \eqcommand{      }{dbltexfloatsep}
312 \eqcommand{      }{dbltopfraction}
313 \eqcommand{      }{DeclareFixedFont}
314 \eqcommand{      }{DeclareGraphicsExtensions}
315 \eqcommand{      }{DeclareGraphicsRule}
316 \eqcommand{      }{DeclareOldFontCommand}
317 \eqcommand{      }{DeclareOption}
318 \eqcommand{      }{DeclareRobustCommand}
319 \eqcommand{      }{DeclareSymbolFont}
320 \eqcommand{      }{deadcycles}
321 \eqcommand{ }{def}
322 \eqcommand{ @ }{define@key}
323 \eqcommand{   }{definecolor}
324 \eqcommand{ }{deg}
325 \eqcommand{   }{delcode}
326 \eqcommand{   }{delimiter}
327 \eqcommand{   }{delimiterfactor}
328 \eqcommand{ }{depth}
329 \eqcommand{ }{diamondsuit}
330 \eqcommand{ }{dim}
331 \eqcommand{ }{dimen}
332 \eqcommand{ @ }{dimen@}
333 \eqcommand{ @ }{dimen@i}
334 \eqcommand{ @ }{dimen@ii}
335 \eqcommand{   }{dimendef}
336 \eqcommand{   }{discretionary}
337 \eqcommand{   }{displaybreak}
338 \eqcommand{   }{displayindent}
339 \eqcommand{   }{displaystyle}
340 \eqcommand{   }{displaywidth}
341 \eqcommand{ }{divide}
342 \eqcommand{   }{documentclass}
343 \eqcommand{ }{do}
344 \eqcommand{   }{dospecials}
345 \eqcommand{ }{dot}
346 \eqcommand{   }{doteq}
347 \eqcommand{   }{dotfill}
348 \eqcommand{ }{dots}
349 \eqcommand{   }{doublebox}
350 \eqcommand{   }{doublerulesepcolor}
351 \eqcommand{   }{doublerulesep}
352 \eqcommand{   }{downarrow}
353 \eqcommand{ }{dp}
354 \eqcommand{ }{dump}
355 \eqcommand{ }{edef}
356 \eqcommand{   }{egroup}
357 \eqcommand{   }{eject}
358 \eqcommand{ }{else}
359 \eqcommand{ }{em}

```





```

360 \eqcommand{    }{emergencystretch}
361 \eqcommand{    }{emph}
362 \eqcommand{@    }{@empty}
363 \eqcommand{    }{empty}
364 \eqcommand{    }{emptyset}
365 \eqcommand{    }{end}
366 \eqcommand{    }{endL}
367 \eqcommand{    }{endR}
368 \eqcommand{    }{endcsname}
369 \eqcommand{    }{endfirsthead}
370 \eqcommand{    }{endfoot}
371 \eqcommand{    }{endgraf}
372 \eqcommand{    }{endgroup}
373 \eqcommand{    }{endhead}
374 \eqcommand{    }{endinput}
375 \eqcommand{    }{endlastfoot}
376 \eqcommand{    }{enlargethispage}
377 \eqcommand{    }{endline}
378 \eqcommand{    }{endlinechar}
379 \eqcommand{    }{enspace}
380 \eqcommand{    }{enskip}
381 \eqcommand{    }{eqcommand}
382 \eqcommand{    }{eqenvironment}
383 \eqcommand{    }{eqref}
384 \eqcommand{    }{errhelp}
385 \eqcommand{    }{errmessage}
386 \eqcommand{    }{errorcontextlines}
387 \eqcommand{    }{errorstopmode}
388 \eqcommand{    }{escapechar}
389 \eqcommand{    }{euro}
390 \eqcommand{    }{evensidemargin}
391 \eqcommand{    }{everycr}
392 \eqcommand{    }{everydisplay}
393 \eqcommand{    }{everyhbox}
394 \eqcommand{    }{everyjob}
395 \eqcommand{    }{everymath}
396 \eqcommand{    }{everypar}
397 \eqcommand{    }{everyvbox}
398 \eqcommand{    }{ExecuteOptions}
399 \eqcommand{    }{exhyphenpenalty}
400 \eqcommand{    }{expandafter}
401 \eqcommand{    }{extracolsep}
402 \eqcommand{@    }{@firstofone}
403 \eqcommand{@    }{@firstoftwo}
404 \eqcommand{@    }{@f@ur}
405 \eqcommand{    }{fam}
406 \eqcommand{    }{fancy page}
407 \eqcommand{    }{fbox}
408 \eqcommand{    }{fboxrule}
409 \eqcommand{    }{fboxsep}

```



```

410 \eqcommand{      }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{      }{figurename}
413 \eqcommand{      }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{      }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{      }{floatpagefraction}
418 \eqcommand{      }{floatingpenalty}
419 \eqcommand{      }{floatsep}
420 \eqcommand{      }{flushbottom}
421 \eqcommand{      }{fmtname}
422 \eqcommand{      }{fmtversion}
423 \eqcommand{      }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{      }{fontdimen}
426 \eqcommand{      }{fontencoding}
427 \eqcommand{      }{fontfamily}
428 \eqcommand{      }{fontname}
429 \eqcommand{      }{fontseries}
430 \eqcommand{      }{fontshape}
431 \eqcommand{      }{fontsize}
432 \eqcommand{      }{footheight}
433 \eqcommand{      }{footins}
434 \eqcommand{ }{footnote}
435 \eqcommand{      }{footnotemark}
436 \eqcommand{      }{footnoterule}
437 \eqcommand{      }{footnotesep}
438 \eqcommand{      }{footnotesize}
439 \eqcommand{      }{footnotetext}
440 \eqcommand{      }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{      }{framebox}
443 \eqcommand{      }{frenchspacing}
444 \eqcommand{      }{frontmatter}
445 \eqcommand{      }{futurelet}
446 \eqcommand{@      }{@gobble}
447 \eqcommand{@      }{@gobbletwo}
448 \eqcommand{@      }{@gobblefour}
449 \eqcommand{@      }{@gtempa}
450 \eqcommand{@      }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{      }{GenericInfo}
453 \eqcommand{      }{GenericWarning}
454 \eqcommand{      }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{      }{globaldefs}
457 \eqcommand{      }{glossary}
458 \eqcommand{      }{glossaryentry}
459 \eqcommand{      }{goodbreak}

```



```

460 \eqcommand{    }\{graphpaper\}
461 \eqcommand{    }\{guillemotleft\}
462 \eqcommand{    }\{guillemotright\}
463 \eqcommand{    }\{guilsinglleft\}
464 \eqcommand{    }\{guilsinglright\}
465 \eqcommand{    }\{halign\}
466 \eqcommand{    }\{hang\}
467 \eqcommand{    }\{hangafter\}
468 \eqcommand{    }\{hangindent\}
469 \eqcommand{    }\{hbadness\}
470 \eqcommand{    }\{hbox\}
471 \eqcommand{    }\{headheight\}
472 \eqcommand{    }\{headsep\}
473 \eqcommand{    }\{headtoname\}
474 \eqcommand{    }\{heartsuit\}
475 \eqcommand{    }\{height\}
476 \eqcommand{    }\{hfil\}
477 \eqcommand{    }\{hfill\}
478 \eqcommand{    }\{hfilneg\}
479 \eqcommand{    }\{hfuzz\}
480 \eqcommand{    }\{hideskip\}
481 \eqcommand{    }\{hidewidth\}
482 \bidi@csletcs{ }\{hline\}% this is an exception
483 \eqcommand{    }\{hoffset\}
484 \eqcommand{    }\{holdinginserts\}
485 \eqcommand{    }\{hrboxsep\}
486 \eqcommand{    }\{hrule\}
487 \eqcommand{    }\{hrulefill\}
488 \eqcommand{    }\{hsize\}
489 \eqcommand{    }\{hskip\}
490 \eqcommand{    }\{hspace\}
491 \eqcommand{    }\{hss\}
492 \eqcommand{    }\{ht\}
493 \eqcommand{    }\{huge\}
494 \eqcommand{    }\{Huge\}
495 \eqcommand{    }\{hyperlink\}
496 \eqcommand{    }\{hypersetup\}
497 \eqcommand{    }\{hypertarget\}
498 \eqcommand{    }\{hyphenation\}
499 \eqcommand{    }\{hyphenchar\}
500 \eqcommand{    }\{hyphenpenalty\}
501 \eqcommand{@    }\{@ifclassloaded\}
502 \eqcommand{@    }\{@ifdefinable\}
503 \eqcommand{@    }\{@ifnextchar\}
504 \eqcommand{@    }\{@ifpackageloaded\}
505 \eqcommand{@    }\{@ifstar\}
506 \eqcommand{@    }\{@ifundefined\}
507 \eqcommand{ }\{if\}
508 \eqcommand{ @ }\{if@tempwa\}
509 \eqcommand{ }\{ifcase\}

```



```

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

```



```

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

```



```

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

```



```

660 \eqcommand{      }\{medmuskip}
661 \eqcommand{      }\{medskip}
662 \eqcommand{      }\{medskipamount}
663 \eqcommand{      }\{medspace}
664 \eqcommand{      }\{message}
665 \eqcommand{      }\{MessageBreak}
666 \eqcommand{      }\{minrowclearance}
667 \eqcommand{      }\{mkern}
668 \eqcommand{      }\{month}
669 \eqcommand{      }\{moveleft}
670 \eqcommand{      }\{moveright}
671 \eqcommand{      }\{mskip}
672 \eqcommand{ @ }\{m@th}
673 \eqcommand{      }\{multicolumn}
674 \eqcommand{      }\{multiply}
675 \eqcommand{      }\{multispan}
676 \eqcommand{      }\{muskip}
677 \eqcommand{      }\{muskipdef}
678 \eqcommand{@ }\{@namedef}
679 \eqcommand{@ }\{@nameuse}
680 \eqcommand{ @ }\{@ne}
681 \eqcommand{      }\{name}
682 \eqcommand{      }\{natural}
683 \eqcommand{      }\{nearrow}
684 \eqcommand{      }\{nearrower}
685 \eqcommand{      }\{NeedsTeXFormat}
686 \eqcommand{      }\{neg}
687 \eqcommand{      }\{negmedspace}
688 \eqcommand{      }\{negthickspace}
689 \eqcommand{      }\{negthinspace}
690 \eqcommand{      }\{newboolean}
691 \eqcommand{      }\{newbox}
692 \eqcommand{      }\{newcommand}
693 \eqcommand{      }\{newcount}
694 \eqcommand{      }\{newcounter}
695 \eqcommand{      }\{newdimen}
696 \eqcommand{      }\{newenvironment}
697 \eqcommand{      }\{newfam}
698 \eqcommand{      }\{newfont}
699 \eqcommand{      }\{newhelp}
700 \eqcommand{      }\{newinsert}
701 \eqcommand{      }\{newlabel}
702 \eqcommand{      }\{newlength}
703 \eqcommand{      }\{newline}
704 \eqcommand{      }\{newlinechar}
705 \eqcommand{      }\{newmuskip}
706 \eqcommand{      }\{newpage}
707 \eqcommand{      }\{newread}
708 \eqcommand{      }\{newsavebox}
709 \eqcommand{      }\{newskip}

```



```

710 \eqcommand{    }\{newtheorem}
711 \eqcommand{    }\{newtoks}
712 \eqcommand{    }\{newwrite}
713 \eqcommand{    }\{noalign}
714 \eqcommand{    }\{nobreak}
715 \eqcommand{    }\{nobreakspace}
716 \eqcommand{    }\{nocite}
717 \eqcommand{    }\{noexpand}
718 \eqcommand{    }\{nofiles}
719 \eqcommand{    }\{noindent}
720 \eqcommand{    }\{nointerlineskip}
721 \eqcommand{    }\{nolimits}
722 \eqcommand{    }\{nolinebreak}
723 \eqcommand{    }\{nonstopmode}
724 \eqcommand{    }\{nonfrenchspacing}
725 \eqcommand{    }\{nonumber}
726 \eqcommand{    }\{nopagebreak}
727 \eqcommand{    }\{normalbaselines}
728 \eqcommand{    }\{normalbaselineskip}
729 \eqcommand{    }\{normalcolor}
730 \eqcommand{    }\{normalfont}
731 \eqcommand{    }\{normallineskip}
732 \eqcommand{    }\{normallineskiplimit}
733 \eqcommand{    }\{normalmarginpar}
734 \eqcommand{    }\{normalsize}
735 \eqcommand{    }\{notag}
736 \eqcommand{    }\{null}
737 \eqcommand{    }\{nullfont}
738 \eqcommand{    }\{number}
739 \eqcommand{    }\{numberline}
740 \eqcommand{    }\{numberwithin}
741 \eqcommand{    }\{@evenfoot}
742 \eqcommand{    }\{@evenhead}
743 \eqcommand{    }\{@oddfoot}
744 \eqcommand{    }\{@oddhead}
745 \eqcommand{    }\{@outeqntrue}
746 \eqcommand{    }\{@outeqnfalse}
747 \eqcommand{    }\{obeylines}
748 \eqcommand{    }\{obeyspaces}
749 \eqcommand{    }\{oddsidemargin}
750 \eqcommand{    }\{offinterlineskip}
751 \eqcommand{    }\{omit}
752 \eqcommand{@    }\{@onlypreamble}
753 \eqcommand{    }\{onecolumn}
754 \eqcommand{    }\{onlynotes}
755 \eqcommand{    }\{onlyslides}
756 \eqcommand{    }\{openin}
757 \eqcommand{    }\{openout}
758 \eqcommand{    }\{OptionNotUsed}
759 \eqcommand{    }\{or}

```





```

760 \eqcommand{ }{outer}
761 \eqcommand{ }{output}
762 \eqcommand{ }{outputpenalty}
763 \eqcommand{ }{overfullrule}
764 \eqcommand{@ }{@preamblecmds}
765 \eqcommand{@ }{p@}
766 \eqcommand{ }{PackageError}
767 \eqcommand{ }{PackageInfo}
768 \eqcommand{ }{PackageWarning}
769 \eqcommand{ }{PackageWarningNoLine}
770 \eqcommand{ }{pagebreak}
771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisplaypenalty}

```



```

810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{      }{qqquad}
824 \eqcommand{@      }{@outputpagerestore}
825 \eqcommand{      }{radical}
826 \eqcommand{      }{raggedbottom}
827 \eqcommand{      }{raggedleft}
828 \eqcommand{      }{raggedright}
829 \eqcommand{      }{raise}
830 \eqcommand{      }{raisebox}
831 \eqcommand{      }{raisetag}
832 \eqcommand{      }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{      }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{      }{reflectbox}
837 \eqcommand{      }{refname}
838 \eqcommand{      }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{      }{removelastskip}
841 \eqcommand{      }{renewcommand}
842 \eqcommand{      }{renewenvironment}
843 \eqcommand{      }{RequirePackage}
844 \eqcommand{      }{RequirePackageWithOptions}
845 \eqcommand{      }{resizebox}
846 \eqcommand{      }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{      }{rightmargin}
850 \eqcommand{      }{rightmark}
851 \eqcommand{      }{rightpageskip}
852 \eqcommand{      }{rightskip}
853 \eqcommand{      }{rmdefault}
854 \eqcommand{      }{rmfamily}
855 \eqcommand{      }{Roman}
856 \eqcommand{      }{roman}
857 \eqcommand{      }{romannumeral}
858 \eqcommand{      }{rotatebox}
859 \eqcommand{      }{rowcolor}

```



```

860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}
893 \eqcommand{ }{sffamily}
894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sist@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 7.19 color-localise-xepersian.def

```

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

```

## 7.20 xepersian-localise-commands-xepersian.def

```

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

```





```

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

```

## 7.21 enumerate-xepersian.def

```

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

```





## 7.23 xepersian-localise-environments-xepersian.def

```
1248 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1249 \eqenvironment{ }{latin}
1250 \eqenvironment{ }{LTR}
1251 \eqenvironment{ }{LTRitems}
1252 \eqenvironment{ }{modernpoem}
1253 \eqenvironment{ *}{modernpoem*}
1254 \eqenvironment{ }{persian}
1255 \eqenvironment{ }{RTL}
1256 \eqenvironment{ }{RTLitems}
1257 \eqenvironment{ }{traditionalpoem}
1258 \eqenvironment{ *}{traditionalpoem*}
```

## 7.24 extarticle-xepersian.def

```
1259 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1260 \renewcommand\thepart {\@tartibi\c@part}
1261 \renewcommand\appendix{\par
1262 \setcounter{section}{0}%
1263 \setcounter{subsection}{0}%
1264 \gdef\thesection{\@harfi\c@section}}
```

## 7.25 extbook-xepersian.def

```
1265 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1266 \renewcommand\frontmatter{%
1267 \cleardoublepage
1268 \@mainmatterfalse
1269 \pagenumbering{harfi}}
1270 \renewcommand\thepart {\@tartibi\c@part}
1271 \renewcommand\appendix{\par
1272 \setcounter{chapter}{0}%
1273 \setcounter{section}{0}%
1274 \gdef\@chapapp{\appendixname}%
1275 \gdef\thechapter{\@harfi\c@chapter}
1276 }%end appendix
```

## 7.26 extrafootnotefeatures-xepersian.def

```
1277 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1278 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1279 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1280 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

## 7.27 extreport-xepersian.def

```
1281 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1282 \renewcommand\thepart {\@tartibi\c@part}
1283 \renewcommand\appendix{\par
1284 \setcounter{chapter}{0}%
1285 \setcounter{section}{0}%
1286 \gdef\@chapapp{\appendixname}%
```



```
1287 \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.28 flowfram-xepersian.def

```
1288 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1289 \def\@outputpage{%
1290 \begingroup
1291 \let\protect\noexpand
1292 \@resetactivechars
1293 \global\let\@if@newlist@if@newlist
1294 \global\@newlistfalse\@parboxrestore
1295 \shipout\vbox{\set@typeset@protect
1296 \aftergroup
1297 \endgroup
1298 \aftergroup
1299 \set@typeset@protect
1300 \reset@font\normalsize\normalsfcodes
1301 \let\label\@gobble
1302 \let\index\@gobble
1303 \let\glossary\@gobble
1304 \baselineskip\z@skip
1305 \lineskip\z@skip
1306 \lineskiplimit\z@
1307 \vskip\topmargin\moveright\@themargin
1308 \vbox{%
1309 \vskip\headheight
1310 \vskip\headsep
1311 \box\@outputbox
1312 }}%
1313 \global\let@if@newlist\@if@newlist
1314 \stepcounter{page}%
1315 \setcounter{displayedframe}{0}%
1316 \let\firstmark\botmark}
```

## 7.29 footnote-xepersian.def

```
1317 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1318
1319 \renewcommand*{\bidi@@footnotetext@font}{\footnotesize@if@RTL@footnote\else\resetlatinfont\fi}
1320
1321 \renewcommand*{\bidi@@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1322
1323 \renewcommand*{\bidi@@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1324
```

## 7.30 framed-xepersian.def

```
1325 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package f
1326 \renewenvironment{titled-frame}[1]{%
1327 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1328 \TitleBarFrame{\textbf{#1}}}%
1329 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
```



```

1330 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
1331 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1332 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (\if@RTL
1333 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1334 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1335 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1336 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1337 % could interfere with the width measurement.
1338 {\endMakeFramed}

```

### 7.31 glossaries-xepersian.def

```

1339 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1340 \glsaddprotectedpagefmt{@harfi}
1341 \glsaddprotectedpagefmt{@tartibi}
1342 \glsaddprotectedpagefmt{@adadi}

```

### 7.32 hyperref-xepersian.def

```

1343 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1344 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1345 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1346 \def\itemautorefname{\if@RTL else\ item\fi}%
1347 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1348 \def\tableautorefname{\if@RTL else\ Table\fi}%
1349 \def\partautorefname{\if@RTL else\ Part\fi}%
1350 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1351 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1352 \def\sectionautorefname{\if@RTL else\ section\fi}%
1353 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1354 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1355 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1356 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1357 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1358 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1359 \def\pageautorefname{\if@RTL else\ page\fi}%
1360 \AtBeginDocument{%
1361 \let\HyOrg@appendix\appendix
1362 \def\appendix{%
1363 \ltx@ifundefined{chapter}%
1364 {\gdef\theHsection{\Alph{section}}}%
1365 {\gdef\theHchapter{\Alph{chapter}}}%
1366 \xdef\Hy@chapapp{\Hy@appendixstring}%
1367 \HyOrg@appendix
1368 }
1369 }
1370 \pdfstringdefDisableCommands{%
1371 \let\lr\@firstofone
1372 \let\rl\@firstofone
1373 \def\XePersian{XePersian}
1374 }

```



```

1375 \ltx@ifundefined{@resets@pp}{%
1376 }{%
1377   \let\HyOrg@resets@pp\@resets@pp
1378   \def\@resets@pp{%
1379     \ltx@ifundefined{chapter}{%
1380       \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1381     }{%
1382       \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1383     }%
1384     \xdef\Hy@chapapp{\Hy@appendixstring}%
1385     \HyOrg@resets@pp
1386   }%
1387 }

```

### 7.33 imspc-xepersian.def

```

1388 \ProvidesFile{imspc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspc class f
1389
1390 \renewcommand \thepart {\@tartibi\c@part}
1391 \def\appendix{\par\c@section\z@ \c@subsection\z@
1392   \let\sectionname\appendixname
1393   \def\thesection{\@harfi\c@section}}
1394

```

### 7.34 kashida-xepersian.def

```

1395 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1396 \chardef\xepersian@zwj="200D % zero-width joiner
1397
1398 \chardef\xepersian@D=10 % dual-joiner class
1399 \chardef\xepersian@L=11 % lam
1400 \chardef\xepersian@R=12 % right-joiner
1401 \chardef\xepersian@A=13 % alef
1402 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1403 \newif\if@Kashida@on
1404 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1405   \leaders\hrule height \XeTeXglyphheight\tw@ \the\xeTeXcharglyph"0640 depth \XeTeXglyphh
1406
1407 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1408   \expandafter\dosetclass\charlist,\end}
1409 \def\dosetclass#1,#2\end{%
1410   \def\test{#1}\def\charlist{#2}%
1411   \ifx\test\empty\let\next\finishsetclass
1412   \else \XeTeXcharclass "\test = \theclass
1413     \let\next\dosetclass \fi
1414   \expandafter\next\charlist,,\end}
1415 \def\finishsetclass#1,,\end{}
1416
1417 \setclass \xepersian@A {0622,0623,0625,0627}
1418 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1419 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}

```



```

1420 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1421 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1422 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1423 \setclass \xepersian@L {0644}
1424 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1425
1426 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1427 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1428 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1429 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1430 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1431 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1432 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1433 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1434
1435 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1436 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1437 \KashidaOn

```

### 7.35 listings-xepersian.def

```

1438 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1439 \def\lstlistingname{\if@RTL else\ Listing\fi}
1440 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

### 7.36 loadingorder-xepersian.def

```

1441 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the la
1442 \bidi@isloaded{algorithmic}
1443 \bidi@isloaded{algorithm}
1444 \bidi@isloaded{backref}
1445 \bidi@isloaded{enumerate}
1446 \bidi@isloaded{tocloft}
1447 \bidi@isloaded{url}
1448 \AtBeginDocument{
1449   \if@bidi@algorithmicloaded@else
1450     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1451     \fi%
1452     \if@bidi@algorithmloaded@else
1453       \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepe
1454       \fi%
1455       \if@bidi@backrefloaded@else
1456         \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepers
1457         \fi%
1458         \if@bidi@enumerateloaded@else
1459           \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepe
1460           \fi%
1461           \if@bidi@tocloftloaded@else
1462             \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepers
1463             \fi%
1464             \if@bidi@urlloaded@else

```



```

1465 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
1466 \fi%
1467 }

```

### 7.37 localise-xepersian.def

```

1468 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1469 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1470 \makezwnjletter
1471 \newcommand*\{eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{%
1472 \newcommand*\{eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname
1473 \@ifpackageloaded{keyval}{%
1474 \newcommand*\keyval@eq@alias@key[4][KV]{%
1475 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1476 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1477 }{\@ifpackageloaded{xkeyval}{%
1478 \newcommand*\keyval@eq@alias@key[4][KV]{%
1479 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1480 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1481 }{}}
1482 \input{latex-localise-commands-xepersian.def}
1483 \input{xepersian-localise-commands-xepersian.def}
1484 \input{latex-localise-environments-xepersian.def}
1485 \input{xepersian-localise-environments-xepersian.def}
1486 \input{latex-localise-messages-xepersian.def}
1487 \input{latex-localise-misc-xepersian.def}
1488 \input{packages-localise-xepersian.def}
1489 \aliasfontfeature{ExternalLocation}{ }
1490 \aliasfontfeature{ExternalLocation}{ }
1491 \aliasfontfeature{Renderer}{ }
1492 \aliasfontfeature{BoldFont}{ }
1493 \aliasfontfeature{Language}{ }
1494 \aliasfontfeature{Script}{ }
1495 \aliasfontfeature{UprightFont}{ }
1496 \aliasfontfeature{ItalicFont}{ }
1497 \aliasfontfeature{BoldItalicFont}{ }
1498 \aliasfontfeature{SlantedFont}{ }
1499 \aliasfontfeature{BoldSlantedFont}{ }
1500 \aliasfontfeature{SmallCapsFont}{ }
1501 \aliasfontfeature{UprightFeatures}{ }
1502 \aliasfontfeature{BoldFeatures}{ }
1503 \aliasfontfeature{ItalicFeatures}{ }
1504 \aliasfontfeature{BoldItalicFeatures}{ }
1505 \aliasfontfeature{SlantedFeatures}{ }
1506 \aliasfontfeature{BoldSlantedFeatures}{ }
1507 \aliasfontfeature{SmallCapsFeatures}{ }
1508 \aliasfontfeature{SizeFeatures}{ }
1509 \aliasfontfeature{Scale}{ }
1510 \aliasfontfeature{WordSpace}{ }
1511 \aliasfontfeature{PunctuationSpace}{ }

```





```

1512 \aliasfontfeature{FontAdjustment}{    }
1513 \aliasfontfeature{LetterSpace}{    }
1514 \aliasfontfeature{HyphenChar}{    }
1515 \aliasfontfeature{Color}{    }
1516 \aliasfontfeature{Opacity}{    }
1517 \aliasfontfeature{Mapping}{    }
1518 \aliasfontfeature{Weight}{    }
1519 \aliasfontfeature{Width}{    }
1520 \aliasfontfeature{OpticalSize}{    }
1521 \aliasfontfeature{FakeSlant}{    }
1522 \aliasfontfeature{FakeStretch}{    }
1523 \aliasfontfeature{FakeBold}{    }
1524 \aliasfontfeature{AutoFakeSlant}{    }
1525 \aliasfontfeature{AutoFakeBold}{    }
1526 \aliasfontfeature{Ligatures}{    }
1527 \aliasfontfeature{Alternate}{    }
1528 \aliasfontfeature{Variant}{    }
1529 \aliasfontfeature{Variant}{    }
1530 \aliasfontfeature{CharacterVariant}{    }
1531 \aliasfontfeature{Style}{    }
1532 \aliasfontfeature{Annotation}{    }
1533 \aliasfontfeature{RawFeature}{    }
1534 \aliasfontfeature{CharacterWidth}{    }
1535 \aliasfontfeature{Numbers}{    }
1536 \aliasfontfeature{Contextuals}{    }
1537 \aliasfontfeature{Diacritics}{    }
1538 \aliasfontfeature{Letters}{    }
1539 \aliasfontfeature{Kerning}{    }
1540 \aliasfontfeature{VerticalPosition}{    }
1541 \aliasfontfeature{Fractions}{    }
1542 \aliasfontfeatureoption{Language}{Default}{    }
1543 \aliasfontfeatureoption{Language}{Parsi}{    }
1544 \aliasfontfeatureoption{Script}{Parsi}{    }
1545 \aliasfontfeatureoption{Script}{Latin}{    }
1546 \aliasfontfeatureoption{Style}{MathScript}{    }
1547 \aliasfontfeatureoption{Style}{MathScriptScript}{    }

```

### 7.38 memoir-xepersian.def

```

1548 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1549 \renewcommand{\@memfront}{%
1550   \@smemfront\pagenumbering{harfi}}
1551 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1552 \renewcommand*{\thebook}{\@tartibi\c@book}
1553 \renewcommand*{\thepart}{\@tartibi\c@part}
1554 \renewcommand{\appendix}{\par
1555   \setcounter{chapter}{0}%
1556   \setcounter{section}{0}%
1557   \gdef\@chapapp{\appendixname}%
1558   \gdef\thechapter{\@harfi\c@chapter}%

```



```
1559 \anappendixtrue}
```

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

```
1560 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]
```

### 7.40 minitoc-xepersian.def

```
1561 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1562 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1563 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1564 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1565 \def\mtctitle{\if@RTL else\ Contents\fi}%
1566 \def\mlftitle{\if@RTL else\ Figures\fi}%
1567 \def\mltttitle{\if@RTL else\ Tables\fi}%
1568 \def\stctitle{\if@RTL else\ Contents\fi}%
1569 \def\slftitle{\if@RTL else\ Figures\fi}%
1570 \def\slttitle{\if@RTL else\ Tables\fi}%

```

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

```
1571 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1572 %}1# \ \
1573 \ @ \ @ \ \
1574 \1# \
1575 \1# @\
1576 \1# @\
1577 {\ @ \ \
1578 %}2#1# @\ \
1579 %1# \ @\ \ \ \
1580 \2# \ @\ \
1581 {{2#1# \}}
1582 undefined\ \ \
1583
1584 %{\ \ \ \ \1#} \ \} \1# \ \
1585 \ { \ \ \
1586 \ \ \
1587
1588
1589 \ \ \ \%} \#1
1590 \1#} \ \ \% \
1591 \ \ \
1592 }%
1593 \
1594 \ \ \
1595 }
1596 \ = \ \
1597
1598
1599 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1600 \def\xfloat #1[#2]{%
1601 \@nodocument

```



```

1602 \def \@capytype {#1}%
1603 \def \@fps {#2}%
1604 \@onelevel@sanitize \@fps
1605 \def \reserved@a {!}%
1606 \ifx \reserved@a \@fps
1607   \@fpsadddefault
1608 \else
1609   \ifx \@fps \@empty
1610     \@fpsadddefault
1611   \fi
1612 \fi
1613 \ifhmode
1614   \@bsphack
1615   \@floatpenalty -\@Mii
1616 \else
1617   \@floatpenalty-\@Miii
1618 \fi
1619 \ifinner
1620   \@parmoderr\@floatpenalty\z@
1621 \else
1622   \@next\@currbox\@freelist
1623   {%
1624     \@tempcnta \sixt@@n
1625     \expandafter \@tfor \expandafter \reserved@a
1626     \expandafter :\expandafter =\@fps
1627     \do
1628     {%
1629       \if \reserved@a h%
1630         \ifodd \@tempcnta
1631         \else
1632           \advance \@tempcnta \@ne
1633         \fi
1634       \fi
1635       \if \reserved@a %
1636         \ifodd \@tempcnta
1637         \else
1638           \advance \@tempcnta \@ne
1639         \fi
1640       \fi
1641       \if \reserved@a t%
1642         \@setfpsbit \tw@
1643       \fi
1644       \if \reserved@a %
1645         \@setfpsbit \tw@
1646       \fi
1647       \if \reserved@a b%
1648         \@setfpsbit 4%
1649       \fi
1650       \if \reserved@a %
1651         \@setfpsbit 4%

```



```

1652         \fi
1653         \if \reserved@a p%
1654             \@setfpsbit 8%
1655         \fi
1656         \if \reserved@a %
1657             \@setfpsbit 8%
1658         \fi
1659         \if \reserved@a !%
1660             \ifnum \@tempcnta>15
1661                 \advance\@tempcnta -\sixt@@n\relax
1662             \fi
1663         \fi
1664     }%
1665     \@tempcntb \csname ftype@\@capytype \endcsname
1666     \multiply \@tempcntb \@xxxii
1667     \advance \@tempcnta \@tempcntb
1668     \global \count\@currbox \@tempcnta
1669 }%
1670 \@fltovf
1671 \fi
1672 \global \setbox\@currbox
1673 \color@vbox
1674 \normalcolor
1675 \vbox \bgroup
1676 \hsize\columnwidth
1677 \@parboxrestore
1678 \@floatboxreset
1679 }
1680 \let\bm@ \bm@c
1681 \let\bm@ \bm@l
1682 \let\bm@ \bm@r
1683 \let\bm@ \bm@b
1684 \let\bm@ \bm@t
1685 \let\bm@ \bm@s
1686 \long\def\@iiiparbox#1#2[#3]#4#5{%
1687     \leavevmode
1688     \@pboxswfalse
1689     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1690     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1691     \setlength\@tempdima{#4}%
1692     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
1693     \ifx\relax#2\else
1694         \setlength\@tempdimb{#2}%
1695         \edef\@parboxto{to\the\@tempdimb}%
1696     \fi
1697     \if#1b\vbox
1698     \else\if#1\vbox
1699     \else\if #1t\top
1700     \else\if vtop\ #1
1701     \else\ifmode\center

```



```

1702 \else\@pboxswtrue $\vcenter
1703 \fi\fi\fi\fi\fi
1704 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1705 \csname bm@#3\endcsname}%
1706 \if@pboxsw \m@th$\fi
1707 \@end@tempboxa}
1708 \def\@iiiminipage#1#2[#3]#4{%
1709 \leavevmode
1710 \@pboxswfalse
1711 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1712 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1713 \setlength\@tempdima{#4}%
1714 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1715 \setbox\@tempboxa\vbox\bgroup
1716 \color@begingroup
1717 \hsize\@tempdima
1718 \textwidth\hsize \columnwidth\hsize
1719 \@parboxrestore
1720 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1721 \let\@footnotetext\@mpfootnotetext
1722 \let\@LTRfootnotetext\@mpLTRfootnotetext
1723 \let\@RTLfootnotetext\@mpRTLfootnotetext
1724 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1725 \@minipagerestore
1726 \@setminipage}
1727 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1728 \ifnum \@lastchclass=3 5 \else
1729 \z@ \if #1c\@chnum \z@ \else
1730 \if chnum@ #1 \z@ \else
1731 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1732 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
1733 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1734 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1735 \@chclass \if #1|\@one \else
1736 \if #1@\tw@ \else
1737 \if #1p3 \else
1738 \if 3 #1 \else \z@ \@preamerr 0\fi
1739 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1740 \fi}%
1741 \}{}
1742 \@ifdefinitionfileloaded{array-xetex-bidi}{%
1743 \def\@testpach{\@chclass
1744 \ifnum \@lastchclass=6 \@one \@chnum \@one \else
1745 \ifnum \@lastchclass=7 5 \else
1746 \ifnum \@lastchclass=8 \tw@ \else
1747 \ifnum \@lastchclass=9 \thr@@
1748 \else \z@
1749 \ifnum \@lastchclass = 10 \else
1750 \edef\@nextchar{\expandafter\string\@nextchar}%
1751 \@chnum

```



```

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

```



```

1802 \if \@nextchar m\thr@@\else
1803 \if \@nextchar thr@@\else\
1804 \if \@nextchar p4 \else
1805 \if \@nextchar 4 \else
1806 \if \@nextchar b5 \else
1807 \if \@nextchar 5 \else
1808 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1809 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1810
1811 \def\@classz{\@classx
1812 \@tempcnta \count@
1813 \prepnext@tok
1814 \@addtopreamble{\ifcase \@chnum
1815 \hfil
1816 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1817 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1818 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1819 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1820 \adl@endmbox\or
1821 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \endpbox \or
1822 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \endpbox
1823 \fi}\prepnext@tok}
1824 \def\adl@class@start{4}
1825 \def\adl@class@iiiorvii{7}
1826
1827 \else
1828 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1829 \ifnum \@lastchclass=\thr@@ 5\relax \else
1830 \z@ \if #1c\@chnum \z@ \else
1831 \if @chnum\z@\ #1 \else
1832 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1833 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
1834 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1835 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1836 \@chclass
1837 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1838 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1839 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1840 \if #1@\tw@ \else
1841 \if #1p\thr@@ \else
1842 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
1843 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1844
1845 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1846 \or \or \@addamp \or
1847 \@acolampacol \or \@firstampfalse \@acol \fi
1848 \edef\@preamble{\@preamble
1849 \ifcase \@chnum
1850 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1851 \or \adl@putlrc{\$ \relax \@sharp$}\hfil

```



```

1852          \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1853 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1854          \or \or \@addamp \or
1855          \@acolampacol \or \@firstampfalse \@acol \fi
1856 \edef\@preamble{\@preamble
1857 \ifcase \@chnum
1858          \hfil\adl@putlrc{\@sharp\unskip}\hfil
1859          \or \adl@putlrc{\@sharp\unskip}\hfil
1860          \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1861 \def\adl@class@start{6}
1862 \def\adl@class@iiiorvii{3}
1863 \fi
1864 }{}
1865 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1866 \def\@testpach{\@chclass
1867 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1868 \ifnum \@lastchclass=7 5 \else
1869 \ifnum \@lastchclass=8 \tw@ \else
1870 \ifnum \@lastchclass=9 \thr@@
1871 \else \z@
1872 \ifnum \@lastchclass = 10 \else
1873 \edef\@nextchar{\expandafter\string\@nextchar}%
1874 \@chnum
1875 \if \@nextchar c\z@ \else
1876 \if \@nextchar @z\ \else
1877 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1878 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1879 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1880 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1881 \if \@nextchar C7 \else
1882 \if \@nextchar 7 \else
1883 \if \@nextchar L8 \else
1884 \if \@nextchar 8 \else
1885 \if \@nextchar R9 \else
1886 \if \@nextchar 9 \else
1887 \if \@nextchar J10 \else
1888 \if \@nextchar 10 \else
1889 \z@ \@chclass
1890 \if \@nextchar |\@ne \else
1891 \if \@nextchar !6 \else
1892 \if \@nextchar @7 \else
1893 \if \@nextchar <8 \else
1894 \if \@nextchar >9 \else
1895 10
1896 \@chnum
1897 \if \@nextchar m\thr@@\else
1898 \if \@nextchar thr@@\else\
1899 \if \@nextchar p4 \else
1900 \if \@nextchar4 \else
1901 \if \@nextchar b5 \else

```





```

1902 \if \@nextchar 5 \else
1903 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1904 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1905 }{}
1906 \@ifdefinitionfileloaded{float-xetex-bidi}{%
1907 \let\@float@Hx\@xfloat
1908 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}}]{\@ifnextchar{ }{\@float@{1#} }{\@float@Hx{#1} }}
1909 \def\@float@HH#1[H]{%
1910 \expandafter\let\csname end#1\endcsname\float@endH
1911 \let\@currbox\float@box
1912 \def\@capytype{#1}\setbox\@floatcapt=\vbox{}%
1913 \expandafter\ifx\csname fst@#1\endcsname\relax
1914 \@flstylefalse\else\@flstyletrue\fi
1915 \setbox\@currbox\color@vbox\normalcolor
1916 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1917 \@floatboxreset \@setnobreak
1918 \ignorespaces}
1919 \def\@float@[ ]1# {%
1920 \expandafter\let\csname end#1\endcsname\float@endH
1921 \let\@currbox\float@box
1922 \def\@capytype{#1}\setbox\@floatcapt=\vbox{}%
1923 \expandafter\ifx\csname fst@#1\endcsname\relax
1924 \@flstylefalse\else\@flstyletrue\fi
1925 \setbox\@currbox\color@vbox\normalcolor
1926 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1927 \@floatboxreset \@setnobreak
1928 \ignorespaces}
1929 }{}
1930 \begingroup \catcode `|=0 \catcode `|= 1
1931 \catcode`=2 \catcode `|=12 \catcode `|=12
1932 \catcode`\|=12 \gdef|@x@xepersian@localize@verbatim#1\[[ ] |1#{ }
1933 \gdef|@sx@xepersian@localize@verbatim#1\[[* ] |1#{* }
1934 \endgroup
1935 \def\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
1936 \def\end \@ifnewlist \leavevmode\fi\endtrivlist}
1937 \ExplSyntaxOn
1938 \AtBeginDocument{\@namedef{ *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@localize@verbatim}
1939 \ExplSyntaxOff
1940 \expandafter\let\csname end * \endcsname =\end

```

```

1941 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1942 \renewcommand\NAT@set@cites{%
1943   \ifNAT@numbers
1944     \ifNAT@super \let\@cite\NAT@citesuper
1945     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1946     \let\citeyearpar=\citeyear
1947     \let\NAT@space\relax
1948     \def\NAT@super@kernf{\kern\p@}%

```



```

1949 \else
1950     \let\NAT@mbox=\mbox
1951     \let\@cite\NAT@citenum
1952     \let\NAT@space\NAT@spacechar
1953     \let\NAT@super@kern\relax
1954 \fi
1955 \let\@citex\NAT@citexnum
1956 \let\@Latincitex\NAT@Latin@citexnum
1957 \let\@biblabel\NAT@biblabelnum
1958 \let\@bibsetup\NAT@bibsetnum
1959 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1960 \def\natexlab##1{%
1961     \def\NAT@penalty{\penalty\@m}%
1962 \else
1963     \let\@cite\NAT@cite
1964     \let\@citex\NAT@citex
1965     \let\@Latincitex\NAT@Latin@citex
1966     \let\@biblabel\NAT@biblabel
1967     \let\@bibsetup\NAT@bibsetup
1968     \let\NAT@space\NAT@spacechar
1969     \let\NAT@penalty\@empty
1970     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
1971     \def\natexlab##1{##1}%
1972 \fi}
1973 \newcommand\NAT@Latin@citex{}
1974 \def\NAT@Latin@citex%
1975     [#1] [#2] #3{%
1976     \NAT@reset@parser
1977     \NAT@sort@cites{#3}%
1978     \NAT@reset@citea
1979     \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
1980         \@for\@citeb:=\NAT@cite@list\do
1981             {\@safe@activestru
1982                 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
1983                 \@safe@activesfalse
1984                 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
1985                     {\reset@font\bfseries ?}\NAT@citeundefined
1986                     \PackageWarning{natbib}%
1987                     {Citation `'\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
1988                 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
1989                     \NAT@parse{\@citeb}%
1990                     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
1991                         \let\NAT@name=\NAT@all@names
1992                         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
1993                     \fi
1994                     \ifNAT@full\let\NAT@nm\NAT@all@names\else
1995                         \let\NAT@nm\NAT@name\fi
1996                     \ifNAT@swa\ifcase\NAT@ctype
1997                         \if\relax\NAT@date\relax
1998                             \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%

```



```

1999 \else
2000 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2001 \ifx\NAT@last@yr\NAT@year
2002 \def\NAT@temp{?}%
2003 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2004 {Multiple citation on page \thepage: same authors and
2005 year\MessageBreak without distinguishing extra
2006 letter,\MessageBreak appears as question mark}\fi
2007 \NAT@hyper@{\NAT@exlab}%
2008 \else\unskip\NAT@spacechar
2009 \NAT@hyper@{\NAT@date}%
2010 \fi
2011 \else
2012 \@citea\NAT@hyper@{%
2013 \NAT@nmfmt{\NAT@nm}%
2014 \hyper@natlinkbreak{%
2015 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2016 }%
2017 \NAT@date
2018 }%
2019 \fi
2020 \fi
2021 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2022 \or\@citea\NAT@hyper@{\NAT@date}%
2023 \or\@citea\NAT@hyper@{\NAT@alias}%
2024 \fi \NAT@def@citea
2025 \else
2026 \ifcase\NAT@ctype
2027 \if\relax\NAT@date\relax
2028 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2029 \else
2030 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2031 \ifx\NAT@last@yr\NAT@year
2032 \def\NAT@temp{?}%
2033 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2034 {Multiple citation on page \thepage: same authors and
2035 year\MessageBreak without distinguishing extra
2036 letter,\MessageBreak appears as question mark}\fi
2037 \NAT@hyper@{\NAT@exlab}%
2038 \else
2039 \unskip\NAT@spacechar
2040 \NAT@hyper@{\NAT@date}%
2041 \fi
2042 \else
2043 \@citea\NAT@hyper@{%
2044 \NAT@nmfmt{\NAT@nm}%
2045 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2046 {\@citeb\@extra@b@citeb}%
2047 \NAT@date
2048 }%

```



```

2049     \fi
2050     \fi
2051     \or\@citea\NAT@hyper@\NAT@nmfmt{\NAT@nm}}%
2052     \or\@citea\NAT@hyper@\NAT@date}%
2053     \or\@citea\NAT@hyper@\NAT@alias}%
2054     \fi
2055     \if\relax\NAT@date\relax
2056         \NAT@def@citea
2057     \else
2058         \NAT@def@citea@close
2059     \fi
2060 \fi
2061 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2062 \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2063 \newcommand\NAT@Latin@citexnum{
2064 \def\NAT@Latin@citexnum[#1][#2]#3{%
2065     \NAT@reset@parser
2066     \NAT@sort@cites{#3}%
2067     \NAT@reset@citea
2068     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2069     \@for\@citeb:=\NAT@cite@list\do
2070     {\@safe@activestrue
2071     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2072     \@safe@activesfalse
2073     \ifundefined{b@\@citeb\@extra@b@citeb}{%
2074         {\reset@font\bfseries?}
2075         \NAT@citeundefined\PackageWarning{natbib}%
2076         {Citation ``\@citeb' on page \thepage \space undefined}}%
2077     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2078     \NAT@parse{\@citeb}%
2079     \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2080         \let\NAT@name=\NAT@all@names
2081         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2082     \fi
2083     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2084         \let\NAT@nm\NAT@name\fi
2085     \ifNAT@swa
2086         \@ifnum{\NAT@ctype>\@ne}{%
2087             \@citea
2088             \NAT@hyper@\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2089         }{%
2090             \@ifnum{\NAT@cmprs>\z@}{%
2091                 \NAT@ifcat@num\NAT@num
2092                 {\let\NAT@nm=\NAT@num}%
2093                 {\def\NAT@nm{-2}}%
2094                 \NAT@ifcat@num\NAT@last@num
2095                 {\@tempcnta=\NAT@last@num\relax}%
2096                 {\@tempcnta\m@ne}%
2097                 \@ifnum{\NAT@nm=\@tempcnta}{%
2098                     \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%

```



```

2099      }{%
2100          \advance\@tempcnta by\@ne
2101          \@ifnum{\NAT@nm=\@tempcnta}{%
2102              \ifx\NAT@last@yr\relax
2103                  \def\NAT@last@yr{\@citea}%
2104              \else
2105                  \def\NAT@last@yr{--\NAT@penalty}%
2106              \fi
2107          }{%
2108              \NAT@last@yr@mbox
2109          }%
2110      }%
2111  }{%
2112      \@tempswatrue
2113      \@ifnum{\NAT@merge>\@one}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2114          \if@tempswa\NAT@citea@mbox\fi
2115      }%
2116  }%
2117  \NAT@def@citea
2118  \else
2119      \ifcase\NAT@ctype
2120          \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2121              \@citea \NAT@test{\@one}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2122          \fi
2123          \if*#1*\else#1\NAT@spacechar\fi
2124          \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2125          \NAT@def@citea@box
2126      \or
2127          \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2128      \or
2129          \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2130      \or
2131          \NAT@hyper@citea@space\NAT@alias
2132      \fi
2133  \fi
2134  }%
2135  }%
2136      \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2137      \ifNAT@swa\else
2138          \@ifnum{\NAT@ctype=\z@}{%
2139              \if*#2*\else\NAT@cmt#2\fi
2140          }{%
2141              \NAT@mbox{\NAT@@close}%
2142          \fi
2143      }{#1}{#2}%
2144  }%
2145  \AtBeginDocument{\NAT@set@cites}
2146  \DeclareRobustCommand\Latincite
2147      {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2148          \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}

```



```

2149 \newcommand\NAT@Latin@cites{\ifnextchar [{\NAT@Latin@@citetp}{%
2150     \ifNAT@numbers\else
2151     \NAT@swafalse
2152     \fi
2153     \NAT@Latin@@citetp[]}}
2154 \newcommand\NAT@Latin@@citetp{
2155 \def\NAT@Latin@@citetp[#1]{\ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

### 7.43 packages-localise-xepersian.def

```

2156 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2157 color} \}{color} @\-localise-xepersian.def}}{}
2158 \@ifpackageloaded{multicol}{%
2159 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2160 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2161 }{}
2162 \@ifpackageloaded{verbatim}{%
2163 \begingroup
2164 \vrb@catcodes
2165 \lccode`!=`\\ \lccode`\[=``{\ \lccode`\]=``}
2166 \catcode`\~=\active \lccode`\~=\`^M
2167 \lccode`\C=``C
2168 \lowercase{\endgroup
2169 \def\xepersian@localize@verbatim@start#1{%
2170     \verbatim@startline
2171     \if\noexpand#1\noexpand~%
2172     \let\next\xepersian@localize@verbatim@
2173     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2174     \next}%
2175 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2176 \def\xepersian@localize@verbatim@@#1! {%
2177     \verbatim@addtoline{#1}%
2178     \futurelet\next\xepersian@localize@verbatim@@@}%
2179 \def\xepersian@localize@verbatim@@@#1\@nil{%
2180     \ifx\next\@nil
2181     \verbatim@processline
2182     \verbatim@startline
2183     \let\next\xepersian@localize@verbatim@
2184     \else
2185     \def\@tempa##1! \@nil{##1}%
2186     \@temptokena{! }%
2187     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2188     \fi \next}%
2189 \def\xepersian@localize@verbatim@test#1{%
2190     \let\next\xepersian@localize@verbatim@test
2191     \if\noexpand#1\noexpand~%
2192     \expandafter\verbatim@addtoline
2193     \expandafter{\the\@temptokena}%
2194     \verbatim@processline
2195     \verbatim@startline

```



```

2196         \let\next\xepersian@localize@verbatim@
2197     \else \if\noexpand#1
2198         \@temptokena\expandafter{\the\@temptokena#1}%
2199     \else \if\noexpand#1\noexpand[%
2200         \let\@tempc\@empty
2201         \let\next\xepersian@localize@verbatim@testend
2202     \else
2203         \expandafter\verbatim@addtoline
2204         \expandafter{\the\@temptokena}%
2205         \def\next{\xepersian@localize@verbatim@#1}%
2206     \fi\fi\fi
2207     \next}%
2208 \def\xepersian@localize@verbatim@testend#1{%
2209     \if\noexpand#1\noexpand~%
2210         \expandafter\verbatim@addtoline
2211         \expandafter{\the\@temptokena[]}%
2212         \expandafter\verbatim@addtoline
2213         \expandafter{\@tempc}%
2214         \verbatim@processline
2215         \verbatim@startline
2216         \let\next\xepersian@localize@verbatim@
2217     \else\if\noexpand#1\noexpand[%
2218         \let\next\xepersian@localize@verbatim@@testend
2219     \else\if\noexpand#1\noexpand!%
2220         \expandafter\verbatim@addtoline
2221         \expandafter{\the\@temptokena[]}%
2222         \expandafter\verbatim@addtoline
2223         \expandafter{\@tempc}%
2224         \def\next{\xepersian@localize@verbatim@!}%
2225     \else \expandafter\def\expandafter\@tempc\expandafter
2226         {\@tempc#1}\fi\fi\fi
2227     \next}%
2228 \def\xepersian@localize@verbatim@@testend{%
2229     \ifx\@tempc\@currenvir
2230         \verbatim@finish
2231         \edef\next{\noexpand\end{\@currenvir}%
2232             \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2233     \else
2234         \expandafter\verbatim@addtoline
2235         \expandafter{\the\@temptokena[]}%
2236         \expandafter\verbatim@addtoline
2237         \expandafter{\@tempc[]}%
2238         \let\next\xepersian@localize@verbatim@
2239     \fi
2240     \next}%
2241 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2242     \@warning{Characters dropped after ~\string\end{#1}'}\fi}}%
2243 \def\
2244     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2245     \xepersian@localize@verbatim@start}
2246 \namedef{
2247     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}

```



```

2246 \def\end          {\endtrivlist\endgroup\@doendpe}
2247 \expandafter\let\csname end          *\endcsname =\end
2248 \}{}
2249 \ExplSyntaxOn
2250 \AtBeginDocument{
2251   \xepersian_localize_patch_verbatim:
2252 }
2253 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2254   \@ifpackageloaded{verbatim}{
2255     \cs_set:cpn {*          } }
2256     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2257   }
2258 }{
2259 }
2260 }
2261 \ExplSyntaxOff
2262 \@ifpackageloaded{graphicx}{%
2263 \def\Gin@boolkey#1#2{%
2264 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2265 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2266 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2267 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2268 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2269 \define@key{Grot}{origin}[c]{%
2270 \@tfor\@tempa:=#1\do{%
2271   \if l\@tempa \Grot@x\z@ \else
2272   \if tempa@ \Grot@x\z@ \else
2273   \if r\@tempa \Grot@x\width \else
2274   \if tempa@ \Grot@x\width \else
2275   \if t\@tempa \Grot@y\height \else
2276   \if tempa@ \Grot@y\height \else
2277   \if b\@tempa \Grot@y-\depth \else
2278   \if tempa@ \Grot@y-\depth \else
2279   \if B\@tempa \Grot@y\z@ \else
2280   \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2281 {draft}{ \Gin } @ \
2282 {origin}{ \Gin } @ \
2283 {origin}{ \Grot } @ \
2284 {clip}{ \Gin } @ \
2285 {keepaspectratio}{ \Gin } @ \
2286 {natwidth}{ \Gin } @ \
2287 {natheight}{ \Gin } @ \
2288 {bb}{ \Gin } @ \
2289 {viewport}{ \Gin } @ \
2290 {trim}{ \Gin } @ \
2291 {angle}{ \Gin } @ \
2292 {width}{ \Gin } @ \
2293 {height}{ \Gin } @ \
2294 {totalheight}{ \Gin } @ \
2295 {scale}{ \Gin } @ \

```





```

2296 {type}{ }{Gin} @ \
2297 {ext}{ }{Gin} @ \
2298 {read}{ }{Gin} @ \
2299 {command}{ }{Gin} @ \
2300 {x}{ }{Grot} @ \
2301 {y}{ }{Grot} @ \
2302 {units}{ }{Grot} @ \
2303 {}{}

```

## 7.44 parsidigits.map

```

2304 LHSName "Digits"
2305 RHSName "ParsiDigits"
2306
2307 pass(Unicode)
2308 U+0030 <> U+06F0 ;
2309 U+0031 <> U+06F1 ;
2310 U+0032 <> U+06F2 ;
2311 U+0033 <> U+06F3 ;
2312 U+0034 <> U+06F4 ;
2313 U+0035 <> U+06F5 ;
2314 U+0036 <> U+06F6 ;
2315 U+0037 <> U+06F7 ;
2316 U+0038 <> U+06F8 ;
2317 U+0039 <> U+06F9 ;
2318
2319
2320 U+002C <> U+060C ; comma > arabic comma
2321 U+003F <> U+061F ; question mark -> arabic qm
2322 U+003B <> U+061B ; semicolon -> arabic semicolon
2323
2324 ; ligatures from Knuth's original CMR fonts
2325 U+002D U+002D <> U+2013 ; -- -> en dash
2326 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2327
2328 U+0027 <> U+2019 ; ' -> right single quote
2329 U+0027 U+0027 <> U+201D ; '' -> right double quote
2330 U+0022 > U+201D ; " -> right double quote
2331
2332 U+0060 <> U+2018 ; ` -> left single quote
2333 U+0060 U+0060 <> U+201C ; `` -> left double quote
2334
2335 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2336 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2337
2338 ; additions supported in T1 encoding
2339 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2340 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2341 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```



## 7.45 rapport1-xepersian.def

```
2342 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2343 \renewcommand*\thepart{\@tartibi\c@part}
2344 \renewcommand*\appendix{\par
2345   \setcounter{chapter}{0}%
2346   \setcounter{section}{0}%
2347   \gdef\@chapapp{\appendixname}%
2348   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.46 rapport3-xepersian.def

```
2349 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2350 \renewcommand*\thepart{\@tartibi\c@part}
2351 \renewcommand*\appendix{\par
2352   \setcounter{chapter}{0}%
2353   \setcounter{section}{0}%
2354   \gdef\@chapapp{\appendixname}%
2355   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.47 refrep-xepersian.def

```
2356 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2357 \renewcommand \thepart {\@tartibi\c@part}
2358 \renewcommand\appendix{\par
2359   \setcounter{chapter}{0}%
2360   \setcounter{section}{0}%
2361   \gdef\@chapapp{\appendixname}%
2362   \gdef\thechapter{\@harfi\c@chapter}
2363 }%end appendix
```

## 7.48 report-xepersian.def

```
2364 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2365 \renewcommand \thepart {\@tartibi\c@part}
2366 \renewcommand\appendix{\par
2367   \setcounter{chapter}{0}%
2368   \setcounter{section}{0}%
2369   \gdef\@chapapp{\appendixname}%
2370   \gdef\thechapter{\@harfi\c@chapter}
2371 }%end appendix
```

## 7.49 scrartcl-xepersian.def

```
2372 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2373 \renewcommand*\thepart{\@tartibi\c@part}
2374 \renewcommand*\appendix{\par%
2375   \setcounter{section}{0}%
2376   \setcounter{subsection}{0}%
2377   \gdef\thesection{\@harfi\c@section}%
2378   \csname appendixmore\endcsname
2379 }
2380 \renewcommand*\@@maybeautodot}[1]{%
```



```

2381 \ifx #1\@stop\let\@@maybeautodot\relax
2382 \else
2383 \ifx #1\harfi \@autodottrue\fi
2384 \ifx #1\adadi \@autodottrue\fi
2385 \ifx #1\tartibi \@autodottrue\fi
2386 \ifx #1\Alph \@autodottrue\fi
2387 \ifx #1\alph \@autodottrue\fi
2388 \ifx #1\Roman \@autodottrue\fi
2389 \ifx #1\roman \@autodottrue\fi
2390 \ifx #1\@harfi \@autodottrue\fi
2391 \ifx #1\@adadi \@autodottrue\fi
2392 \ifx #1\@tartibi \@autodottrue\fi
2393 \ifx #1\@Alph \@autodottrue\fi
2394 \ifx #1\@alph \@autodottrue\fi
2395 \ifx #1\@Roman \@autodottrue\fi
2396 \ifx #1\@roman \@autodottrue\fi
2397 \ifx #1\romannumeral \@autodottrue\fi
2398 \fi
2399 \@@maybeautodot
2400 }

```

## 7.50 scrbook-xepersian.def

```

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

```



```

2428 \ifx #1\@alph \@autodottrue\fi
2429 \ifx #1\@Roman \@autodottrue\fi
2430 \ifx #1\@roman \@autodottrue\fi
2431 \ifx #1\romannumeral \@autodottrue\fi
2432 \fi
2433 \@maybeautodot
2434 }

```

## 7.51 scrreprt-xepersian.def

```

2435 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2436 \renewcommand*{\thepart}{\@tartibi\c@part}
2437 \renewcommand*\appendix{\par%
2438 \setcounter{chapter}{0}%
2439 \setcounter{section}{0}%
2440 \gdef\@chapapp{\appendixname}%
2441 \gdef\thechapter{\@harfi\c@chapter}%
2442 \csname appendixmore\endcsname
2443 }
2444 \renewcommand*{\@maybeautodot}[1]{%
2445 \ifx #1\@stop\let\@maybeautodot\relax
2446 \else
2447 \ifx #1\harfi \@autodottrue\fi
2448 \ifx #1\adadi \@autodottrue\fi
2449 \ifx #1\tartibi \@autodottrue\fi
2450 \ifx #1\Alph \@autodottrue\fi
2451 \ifx #1\alph \@autodottrue\fi
2452 \ifx #1\Roman \@autodottrue\fi
2453 \ifx #1\roman \@autodottrue\fi
2454 \ifx #1\@harfi \@autodottrue\fi
2455 \ifx #1\@adadi \@autodottrue\fi
2456 \ifx #1\@tartibi \@autodottrue\fi
2457 \ifx #1\@Alph \@autodottrue\fi
2458 \ifx #1\@alph \@autodottrue\fi
2459 \ifx #1\@Roman \@autodottrue\fi
2460 \ifx #1\@roman \@autodottrue\fi
2461 \ifx #1\romannumeral \@autodottrue\fi
2462 \fi
2463 \@maybeautodot
2464 }

```

## 7.52 soul-xepersian.def

```

2465 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2466 \let\SOUL@tt\relax
2467 \newfontface{\SOUL@tt}{Times New Roman}

```

## 7.53 tkz-linknodes-xepersian.def

```

2468 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2469 \renewcommand*{\@SetTab}{%
2470 \let\@alph\@latinalph%

```



```

2471 \ifnum \value{C@NumTab}>25\relax%
2472 \setcounter{C@NumTab}{1}%
2473 \else%
2474 \stepcounter{C@NumTab}%
2475 \fi%
2476 \setcounter{C@NumGroup}{0}%
2477 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2478 \setboolean{B@FirstLink}{true}
2479 \setboolean{B@NewGroup}{false}
2480 \setcounter{C@NumGroup}{0}
2481 \setcounter{C@CurrentGroup}{0}
2482 \setcounter{NumC@Node}{0}
2483 \setcounter{NumC@stop}{0}
2484 \setcounter{C@NextNode}{0}
2485 \setcounter{C@CurrentStop}{0}
2486 \setcounter{C@CurrentNode}{0}
2487 }%

```

## 7.54 tocloft-xepersian.def

```

2488 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2489 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2490 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2491 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2492 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2493 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2494 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2495 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2496 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2497 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2498 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 7.55 xepersian.sty

```

2499 \NeedsTeXFormat{LaTeX2e}
2500 \def\xepersianversion{v19.2}
2501 \def\xepersiandate{2017/09/02}
2502 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2503 Persian typesetting in XeLaTeX]
2504 \RequirePackage{fontspec}
2505 \RequirePackage{xepersian-persiancal}
2506 \RequirePackage{xepersian-mathsdigitspec}
2507 \RequirePackage{bidi}
2508 \edef\xepersian@info{*****~J%
2509 * ~J%
2510 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2511 * ~J%
2512 * Description: The package supports Persian~J%
2513 * typesetting, using fonts provided in the~J%
2514 * distribution.~J%
2515 * ~J%

```



```

2516 * Copyright (c) 2008--2017 Vafa Khalighi^^J%
2517 * ^^J%
2518 * \xepersianversion, \xepersiandate^^J%
2519 * ^^J%
2520 * License: LaTeX Project Public License, version^^J%
2521 * 1.3c or higher (your choice)^^J%
2522 * ^^J%
2523 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2524 * ^^J%
2525 * Issue tracker: https://github.com/tex-xet/xepersian/issues^^J%
2526 * ^^J%
2527 * Support: persian-tex@tug.org^^J%
2528 * ^^J%
2529 *****}
2530 \typeout{\@xepersian@info}
2531 \edef\xepersian@everyjob{\the\everyjob}
2532 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2533 \edef\@bidi@strip@v\xepersianversion{\expandafter\@gobble\xepersianversion}
2534 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2535   \ifdim\@bidi@strip@v\xepersianversion pt > #1 pt %
2536     \expandafter\@firstoftwo
2537   \else
2538     \expandafter\@secondoftwo
2539   \fi}
2540 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2541   \ifdim\@bidi@strip@v\xepersianversion pt < #1 pt %
2542     \expandafter\@firstoftwo
2543   \else
2544     \expandafter\@secondoftwo
2545   \fi}
2546 \newcommand*{\IfxepersianPackageVersion}[1]{%
2547   \ifdim\@bidi@strip@v\xepersianversion pt = #1 pt %
2548     \expandafter\@firstoftwo
2549   \else
2550     \expandafter\@secondoftwo
2551   \fi}
2552 \def\prq{«}
2553 \def\plq{»}
2554 \def\xepersian@cmds@temp#1{%
2555   \begingroup\expandafter\expandafter\expandafter\endgroup
2556   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2557     \begingroup
2558       \escapechar=-1 %
2559       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2560       \def\y{#1}%
2561       \def\z##1->{%}%
2562       \edef\y{\expandafter\z\meaning\y}%
2563     \expandafter\endgroup
2564     \ifx\x\y
2565       \expandafter\def\csname xepersian@#1\endcsname

```



```

2566     \expandafter{%
2567     \csname#1\endcsname
2568     }%
2569     \fi
2570     \fi
2571 }%
2572 \xepersian@cmds@temp{shellescape}
2573 \newif\ifwritexviii
2574 \ifnum\xepersian@shellescape=1\relax
2575   \writexviiitrue
2576 \else
2577   \writexviiifalse
2578 \fi
2579 \newfontscript{Parsi}{arab}
2580 \newfontlanguage{Parsi}{FAR}
2581 \ExplSyntaxOn
2582
2583 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2584 {
2585   \__xepersian_main_settextfont:nnn {#1} {#2} {#3}
2586 }
2587 \cs_set:Nn \__xepersian_main_settextfont:nnn
2588 {
2589   \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2590   \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2591   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2592   {
2593     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2594     \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2595     \exp_not:N \selectfont
2596   }
2597 }
2598 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2599 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2600 \normalfont
2601 \ignorespaces
2602 }
2603
2604 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2605 {
2606   \__xepersian_main_setlatintextfont:nnn {#1} {#2} {#3}
2607 }
2608 \cs_set:Nn \__xepersian_main_setlatintextfont:nnn
2609 {
2610   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2611   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2612   {
2613     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2614     \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2615     \exp_not:N \selectfont

```



```

2616 }
2617 }
2618 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2619 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2620 \normalfont
2621 \ignorespaces
2622 }
2623
2624 \tl_set_eq:NN \setlatinsansfont \setsansfont
2625 \tl_set_eq:NN \setlatinmonofont \setmonofont
2626
2627 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
2628 {
2629   \__xepersian_main_defpersianfont:nnnn {#1} {#2} {#3} {#4}
2630 }
2631 \cs_set:Nn \__xepersian_main_defpersianfont:nnnn
2632 {
2633   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2634   \use:x
2635   {
2636     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2637     {
2638       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2639       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2640       \exp_not:N \selectfont
2641     }
2642   }
2643 }
2644
2645 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2646 {
2647   \__xepersian_main_deflatinfont:nnnn {#1} {#2} {#3} {#4}
2648 }
2649 \cs_set:Nn \__xepersian_main_deflatinfont:nnnn
2650 {
2651   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}
2652   \use:x
2653   {
2654     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2655     {
2656       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2657       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2658       \exp_not:N \selectfont
2659     }
2660   }
2661 }
2662
2663 \newcommand\persiansfdefault{}
2664 \newcommand\persianttdefault{}
2665 \newcommand\iranicdefault{}

```





```

2666 \newcommand\navardefault{}
2667 \newcommand\pookdefault{}
2668 \newcommand\sayehdefault{}
2669 \DeclareRobustCommand\persiansffamily
2670     {\not@math@alphabet\persiansffamily\mathpersiansf
2671     \fontfamily\persiansfdefault\selectfont}
2672 \DeclareRobustCommand\persianttfamily
2673     {\not@math@alphabet\persianttfamily\mathpersiantt
2674     \fontfamily\persianttdefault\selectfont}
2675 \DeclareRobustCommand\iranicrofamily
2676     {\not@math@alphabet\iranicrofamily\mathiranicro
2677     \fontfamily\iranicrodefault\selectfont}
2678 \DeclareRobustCommand\navarfamily
2679     {\not@math@alphabet\navarfamily\mathnavar
2680     \fontfamily\navardefault\selectfont}
2681 \DeclareRobustCommand\pookfamily
2682     {\not@math@alphabet\pookfamily\mathpook
2683     \fontfamily\pookdefault\selectfont}
2684 \DeclareRobustCommand\sayehfamily
2685     {\not@math@alphabet\sayehfamily\mathsayeh
2686     \fontfamily\sayehdefault\selectfont}
2687 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2688 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2689 \DeclareTextFontCommand{\textiranicro}{\iranicrofamily}
2690 \DeclareTextFontCommand{\textnavar}{\navarfamily}
2691 \DeclareTextFontCommand{\textpook}{\pookfamily}
2692 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
2693
2694 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2695 {
2696     \_xepersian\_main\_setpersiansansfont:nnn {#1} {#2} {#3}
2697 }
2698 \cs\_set:Nn \_xepersian\_main\_setpersiansansfont:nnn
2699 {
2700     \fontspec\_set\_family:Nnn \g\_xepersian\_persiansffamily\_family {Script=Parsi,Language=Parsi,M
2701     \tl\_set\_eq:NN \persiansfdefault \g\_xepersian\_persiansffamily\_family
2702     \use:x { \exp\_not:n { \DeclareRobustCommand \persiansffamily }
2703     {
2704         \exp\_not:N \fontencoding { \l\_fontspec\_nfss\_enc\_tl }
2705         \exp\_not:N \fontfamily { \g\_xepersian\_persiansffamily\_family }
2706         \exp\_not:N \selectfont
2707     }
2708 }
2709 \str\_if\_eq\_x:nnT {\familydefault} {\persiansfdefault}
2710 { \tl\_set\_eq:NN \encodingdefault \l\_fontspec\_nfss\_enc\_tl }
2711 \normalfont
2712 \ignorespaces
2713 }
2714
2715 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }

```



```

2716 {
2717   \_xepersian_main_setpersianmonofont:nnn {#1} {#2} {#3}
2718 }
2719 \cs_set:Nn \_xepersian_main_setpersianmonofont:nnn
2720 {
2721   \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,Mappi
2722   \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2723   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2724     {
2725       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2726       \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2727       \exp_not:N \selectfont
2728     }
2729   }
2730   \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2731     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2732   \normalfont
2733   \ignorespaces
2734 }
2735
2736 \DeclareDocumentCommand \setnavarfont { 0{ } m 0{ } }
2737 {
2738   \_xepersian_main_setnavarfont:nnn {#1} {#2} {#3}
2739 }
2740 \cs_set:Nn \_xepersian_main_setnavarfont:nnn
2741 {
2742   \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi
2743   \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2744   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2745     {
2746       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2747       \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2748       \exp_not:N \selectfont
2749     }
2750   }
2751   \str_if_eq_x:nnT {\familydefault} {\navardefault}
2752     { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2753   \normalfont
2754   \ignorespaces
2755 }
2756
2757 \DeclareDocumentCommand \setpookfont { 0{ } m 0{ } }
2758 {
2759   \_xepersian_main_setpookfont:nnn {#1} {#2} {#3}
2760 }
2761 \cs_set:Nn \_xepersian_main_setpookfont:nnn
2762 {
2763   \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mappin
2764   \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2765   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }

```



```

2766 {
2767   \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2768   \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2769   \exp_not:N \selectfont
2770 }
2771 }
2772 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2773 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2774 \normalfont
2775 \ignorespaces
2776 }
2777
2778 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2779 {
2780   \__xepersian_main_setsayehfont:nnn {#1} {#2} {#3}
2781 }
2782 \cs_set:Nn \__xepersian_main_setsayehfont:nnn
2783 {
2784   \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=Default}
2785   \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2786   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2787     {
2788       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2789       \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2790       \exp_not:N \selectfont
2791     }
2792   }
2793   \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2794   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2795   \normalfont
2796   \ignorespaces
2797 }
2798
2799 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
2800 {
2801   \__xepersian_main_setiraniconfont:nnn {#1} {#2} {#3}
2802 }
2803 \cs_set:Nn \__xepersian_main_setiraniconfont:nnn
2804 {
2805   \fontspec_set_family:Nnn \g__xepersian_iraniconfamily_family {Script=Parsi,Language=Parsi,Mapping=Default}
2806   \tl_set_eq:NN \iranicondefault \g__xepersian_iraniconfamily_family
2807   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
2808     {
2809       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2810       \exp_not:N \fontfamily { \g__xepersian_iraniconfamily_family }
2811       \exp_not:N \selectfont
2812     }
2813   }
2814   \str_if_eq_x:nnT {\familydefault} {\iranicondefault}
2815   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }

```



```

2816 \normalfont
2817 \ignorespaces
2818 }
2819
2820
2821 \ExplSyntaxOff
2822 \def\resetlatinfont{%
2823 \nonlatinfalse%
2824 \let\normalfont\latinfont%
2825 \let\reset@font\normalfont%
2826 \latinfont%
2827 \fontsize\fontsize\font@baselineskip%
2828 \selectfont}
2829 \def\setpersianfont{%
2830 \nonlatintrue%
2831 \let\normalfont\persianfont%
2832 \let\reset@font\normalfont%
2833 \persianfont%
2834 \fontsize\fontsize\font@baselineskip%
2835 \selectfont}
2836 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2837 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2838 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2839 \def\endlatin{\endLTR}
2840 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2841 \def\endpersian{\endRTL}
2842 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
2843 \newenvironment{parsiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PARSIITEMS}}
2844 \let\originaltoday=\today
2845 \def\latintoday{\lr{\originaltoday}}
2846 \def\today{\rl{\persiantoday}}
2847 \def \@LTRmarginparreset {%
2848 \reset@font
2849 \resetlatinfont
2850 \normalsize
2851 \@minipagetrue
2852 \everypar{\@minipagefalse\everypar{}\beginL}%
2853 }
2854 \DeclareRobustCommand\Latincite{%
2855 \ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
2856 \def\@Latincitex[#1]#2{\leavevmode
2857 \let\@citea\@empty
2858 \@citef{\lr{\@for\@citeb:=#2\do
2859 {\@citea\def\@citea{\penalty\@m\ }%
2860 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2861 \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2862 \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
2863 \G@refundefinedtrue
2864 \@latex@warning
2865 {Citation '\@citeb' on page \thepage \space undefined}}}%

```



```

2866      {\@cite@ofmt{\csname b@{\@citeb\endcsname}}}\{#1}}
2867
2868 \renewcommand*{\bidi@font@@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2869
2870 \newif\if@xepersian@@computeautoilg
2871 \newcount\xepersian@tcl
2872 \newdimen\xepersian@ilg
2873 \newdimen\xepersian@strutilg
2874 \chardef\f@ur=4
2875 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2876 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2877 \loop
2878 \iffontchar\font\xepersian@tcl
2879 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
2880 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
2881 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
2882 \fi
2883 \else
2884 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
2885 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
2886 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
2887 \fi
2888 \fi
2889 \fi
2890 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
2891 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2892 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
2893 \fi
2894 \else
2895 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
2896 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2897 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
2898 \fi
2899 \fi
2900 \fi
2901 \fi
2902 \advance\xepersian@tcl@ne
2903 \ifnum\xepersian@tcl<1792\repeat
2904 \advance\xepersian@strutilg\xepersian@ilg
2905 % \ifdim\xepersian@strutilg>\baselineskip
2906 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2907 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2908 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
2909 % \selectfont
2910 % \fi
2911 }
2912
2913 \newcommand\twocolumnstableofcontents{%
2914 \if@bidi@csundef{multi@column@out}{%
2915 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b

```



```

2916 \begin{multicols}{2}[\section*{\contentsname}]%
2917 \small
2918 \@starttoc{toc}%
2919 \end{multicols}}

2920 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
2921 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
2922 \def\figurename{\if@RTL else\ Figure\fi}
2923 \def\tablename{\if@RTL else\ Table\fi}
2924 \def\contentsname{\if@RTL else\ Contents\fi}
2925 \def\listfigurename{\if@RTL else\ List of Figures\fi}
2926 \def\listtablename{\if@RTL else\ List of Tables\fi}
2927 \def\appendixname{\if@RTL else\ Appendix\fi}
2928 \def\indexname{\if@RTL else\ Index\fi}
2929 \def\refname{\if@RTL else\ References\fi}
2930 \def\abstractname{\if@RTL else\ Abstract\fi}
2931 \def\partname{\if@RTL else\ Part\fi}
2932 \def\datename{\if@RTL else\ Date:\fi}
2933 \def\@and{\if@RTL else\ and\fi}
2934 \def\bibname{\if@RTL else\ Bibliography\fi}
2935 \def\chaptername{\if@RTL else\ Chapter\fi}
2936 \def\ccname{\if@RTL else\ cc\fi}
2937 \def\enclname{\if@RTL else\ encl\fi}
2938 \def\pagename{\if@RTL else\ Page\fi}
2939 \def\headtoname{\if@RTL else\ To\fi}
2940 \def\proofname{\if@RTL else\ Proof\fi}
2941 \def\@Abjad#1{%
2942 \ifcase#1\or or\ or\ or\ %
2943 \or or\ or\ or\ or\ %
2944 \or or\ or\ or\ or\ %
2945 \or or\ or\ or\ %
2946 \or or\ or\ or\ or\ %
2947 \or or\ or\ or\ or\ %
2948 \else\@ctrerr\fi}
2949 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
2950 \let\Abjadnumeral\@Abjad
2951 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
2952 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
2953 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
2954 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
2955 \let\harfinumeral\@harfi
2956 \newcommand{\adadi}[1]{%
2957 \expandafter\@adadi\csname c@#1\endcsname%
2958 }
2959 \newcommand{\@adadi}[1]{%
2960 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
2961 }
2962 \let\adadinumeral\@adadi%
2963 \def\xepersian@numberoutofrange#1#2{%
2964 \PackageError{xepersian}{The number `#1' is too large %

```



```

2965 to be formatted using xepersian}{The largest possible %
2966 number is 999,999,999.}%
2967 }
2968 \def\xepersian@numberstring#1#2#3#4{%
2969 \ifnum\number#1<\@ne%
2970 #3%
2971 \else\ifnum\number#1<1000000000 %
2972 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
2973 \else%
2974 \xepersian@numberoutofrange{#1}{#4}%
2975 \fi\fi%
2976 }
2977 \def\xepersian@adadi#1#2{%
2978 \expandafter\xepersian@@adadi%
2979 \ifcase%
2980 \ifnum#1<10 1%
2981 \else\ifnum#1<100 2%
2982 \else\ifnum#1<\@m 3%
2983 \else\ifnum#1<\@M 4%
2984 \else\ifnum#1<100000 5%
2985 \else\ifnum#1<1000000 6%
2986 \else\ifnum#1<10000000 7%
2987 \else\ifnum#1<100000000 8%
2988 \else9%
2989 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
2990 \or000000000#1% case 1: Add 8 leading zeros
2991 \or00000000#1% case 2: Add 7 leading zeros
2992 \or0000000#1% case 3: Add 6 leading zeros
2993 \or000000#1% case 4: Add 5 leading zeros
2994 \or00000#1% case 5: Add 4 leading zeros
2995 \or000#1% case 6: Add 3 leading zeros
2996 \or00#1% case 7: Add 2 leading zeros
2997 \or0#1% case 8: Add 1 leading zero
2998 \or#1% case 9: Add no leading zeros
2999 \or%
3000 \@nil#2%
3001 \fi%
3002 }
3003 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3004 \ifnum#1#2#3>\z@
3005 \xepersian@milyoongan#1#2#3%
3006 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3007 \fi%
3008 \ifnum#4#5#6>\z@%
3009 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3010 \ifnum#4#5#6>\@ne\fi%
3011 %
3012 \ifnum#7>\z@\ \fi%
3013 \fi%
3014 \xepersian@sadgan#7{#4#5#6}1#9%

```



```

3015 }
3016 \def\xepersian@milyoongan#1#2#3{%
3017 \ifnum#1#2#3=\@ne%
3018 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3019 %
3020 %
3021 \else%
3022 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3023 %
3024 %
3025 \fi%
3026 }
3027 \def\xepersian@sadgan#1#2#3#4#5#6{%
3028 \ifnum#1>\z@%
3029 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3030 %
3031 \ifnum#2#3>\z@ \fi%
3032 \fi%
3033 \ifnum#2#3<20%
3034 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3035 \else%
3036 \xepersian@dahgan#2%
3037 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3038 #60%
3039 \fi%
3040 }
3041 \def\xepersian@yekani#1{%
3042 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3043 \or or\ or\ or\ or\ or\ or\ %
3044 \or or\ or\ or\ %
3045 \or or\ %fi\
3046 }
3047 \def\xepersian@yekanii#1{%
3048 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3049 }
3050 \def\xepersian@yekanii#1{%
3051 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3052 }
3053 \def\xepersian@yekaniv#1{%
3054 \ifcase#1\@empty\or or\ or\ or\ or\ %
3055 \or or\ or\ %fi\
3056 }
3057 \def\xepersian@dahgan#1{%
3058 \ifcase#1\or or\ or\ %
3059 \or or\ or\ %
3060 \or %fi\
3061 }
3062 \newcommand{\tartibi}[1]{%
3063 \expandafter\@tartibi\csname c@#1\endcsname%
3064 }

```





```

3065 \newcommand{\@tartibi}[1]{%
3066 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3067 }
3068 \let\tartibinumeral\@tartibi%
3069 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3070 \ifnum\number#1<\@ne%
3071 #3%
3072 \else\ifnum\number#1<1000000000 %
3073 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3074 \else%
3075 \xepersian@numberoutofrange{#1}{#4}%
3076 \fi\fi%
3077 }
3078 \def\xepersian@adadi@tartibi#1#2{%
3079 \expandafter\xepersian@@adadi@tartibi%
3080 \ifcase%
3081 \ifnum#1<10 1%
3082 \else\ifnum#1<100 2%
3083 \else\ifnum#1<\@m 3%
3084 \else\ifnum#1<\@M 4%
3085 \else\ifnum#1<100000 5%
3086 \else\ifnum#1<1000000 6%
3087 \else\ifnum#1<10000000 7%
3088 \else\ifnum#1<100000000 8%
3089 \else9%
3090 \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi %
3091 \or00000000#1% case 1: Add 8 leading zeros
3092 \or0000000#1% case 2: Add 7 leading zeros
3093 \or000000#1% case 3: Add 6 leading zeros
3094 \or00000#1% case 4: Add 5 leading zeros
3095 \or0000#1% case 5: Add 4 leading zeros
3096 \or000#1% case 6: Add 3 leading zeros
3097 \or00#1% case 7: Add 2 leading zeros
3098 \or0#1% case 8: Add 1 leading zero
3099 \or#1% case 9: Add no leading zeros
3100 \or%
3101 \@nil#2%
3102 \fi%
3103 }
3104 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3105 \ifnum#1#2#3>\z@
3106 \xepersian@milyoongan@tartibi#1#2#3%
3107 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3108 \fi%
3109 \ifnum#4#5#6>\z@%
3110 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3111 \ifnum#4#5#6>\@ne \fi%
3112 %
3113 \ifnum#7>\z@\ \fi%
3114 \fi%

```



```

3115 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3116 }
3117 \def\xepersian@milyoongan@tartibi#1#2#3{%
3118 \ifnum#1#2#3=\@ne%
3119 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3120 %
3121 %
3122 \else%
3123 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3124 %
3125 %
3126 \fi%
3127 }
3128 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3129 \ifnum#1>\z@%
3130 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3131 %
3132 \ifnum#2#3>\z@\ \fi%
3133 \fi%
3134 \ifnum#2#3<20%
3135 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3136 \else%
3137 \ifnum#2#3=30%
3138 \xepersian@dahgan@tartibi#2%
3139 \else%
3140 \xepersian@dahgan#2%
3141 \fi%
3142 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3143 #60%
3144 \fi%
3145 }
3146 \def\xepersian@dahgan@tartibi#1{%
3147 \ifcase#1\or\or\ or\ or\ %
3148 \or\or\ or\ or\ %
3149 \or %fi\
3150 }
3151 \def\xepersian@tartibi#1{%
3152 \ifcase#1\or\or\ or\ or\ %
3153 \or\or\ or\ or\ or\ %
3154 \or\or\ or\ or\ %
3155 \or\or\ or\ %
3156 \or\or\ or\ %fi\
3157 }
3158 \def\xepersian@yekanv#1{%
3159 \ifcase#1\@empty\or\or\ or\ or\ or\ or\ %
3160 \or\or\ or\ or\ or\ or\ %
3161 \or\or\ or\ or\ %
3162 \or\or\ %fi\
3163 }
3164 \providecommand*{\xpg@warning}[1]{%

```



```

3165 \PackageWarning{XePersian}%
3166 {#1}}
3167 \if@bidi@csundef{@abjad}{%
3168 \def\@abjad#1{%
3169 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3170 \else
3171 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3172 \else
3173 \ifnum#1<10\expandafter\abj@num@i\number#1%
3174 \else
3175 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3176 \else
3177 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3178 \else
3179 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3180 \fi
3181 \fi
3182 \fi
3183 \fi
3184 \fi
3185 \fi
3186 }
3187 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3188 \let\abjadnumeral\@abjad
3189 \def\abjad@zero{}
3190 \def\abj@num@i#1{%
3191 \ifcase#1\or or\ or\ or\ %
3192 \or or\ or\ or\ or\ fi\
3193 \ifnum#1=\z@\abjad@zero\fi}
3194 \def\abj@num@ii#1{%
3195 \ifcase#1\or or\ or\ or\ or\ %
3196 \or or\ or\ or\ fi\
3197 \ifnum#1=\z@\fi\abj@num@i}
3198 \def\abj@num@iii#1{%
3199 \ifcase#1\or or\ or\ or\ or\ %
3200 \or or\ or\ or\ fi\
3201 \ifnum#1=\z@\fi\abj@num@ii}
3202 \def\abj@num@iv#1{%
3203 \ifcase#1\or fi\
3204 \ifnum#1=\z@\fi\abj@num@iii}
3205 }{}
3206 \let\@latinalph\@alph%
3207 \let\@latinAlph\@Alph%
3208 \def\LatinAlphs{%
3209 \let\@alph\@latinalph%
3210 \let\@Alph\@latinAlph%
3211 }
3212 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
3213 \renewcommand*{\bidi@thebibliography@font@hook}{%
3214 \if@LTRbibitems

```



```

3215 \resetlatinfont
3216 \fi}
3217 \bidi@AfterEndPreamble{%
3218 \if@bidi@csundef{persianfont}{%
3219 \PackageError{xepersian}{You have not specified any font\MessageBreak
3220 for the main Persian text}{Use '\settextfont' to load a font.}%
3221 }{}}
3222 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3223 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3224 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3225 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3226 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3227 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3228 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3229 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3230 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
3231 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3232 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3233 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3234 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3235 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3236 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3237 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3238 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3239 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3240 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}}
3241 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3242 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3243 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3244 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3245 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3246 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3247 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3248 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3249 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3250 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3251 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3252 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3253 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3254 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3255 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3256 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3257 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3258 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3259 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3260 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3261 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3262 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3263 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3264 \define@choicekey{xepersian.sty}{mathdigits}[xepersian@tempa\xepersian@tempb]{automatic,default}

```



```

3265 \ifcase\xepersian@tempb\relax
3266 \AutoMathsDigits
3267 \or
3268 \DefaultMathsDigits
3269 \or
3270 \PersianMathsDigits
3271 \fi}
3272 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3273 \ifcase\xepersian@tempb\relax
3274 \AutoInlineMathsDigits
3275 \or
3276 \DefaultInlineMathsDigits
3277 \or
3278 \PersianInlineMathsDigits
3279 \fi}
3280 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3281 \ifcase\xepersian@tempb\relax
3282 \AutoDisplayMathsDigits
3283 \or
3284 \DefaultDisplayMathsDigits
3285 \or
3286 \PersianDisplayMathsDigits
3287 \fi}
3288 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3289 \ifcase\xepersian@tempb\relax
3290 \@RTLtrue
3291 \or
3292 \@RTLfalse
3293 \fi}
3294
3295 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttol
3296 \ifcase\xepersian@tempb\relax
3297 \@RTLtrue
3298 \or
3299 \@RTLfalse
3300 \fi}
3301
3302
3303 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3304 \ifcase\xepersian@tempb\relax
3305 \@RTLtabtrue
3306 \or
3307 \@RTLtabfalse
3308 \fi}
3309
3310 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3311 \ifcase\xepersian@tempb\relax
3312 \@nonlatinfalse
3313 \or
3314 \@nonlatintrue

```



```

3315 \fi}
3316
3317 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3318 \ifcase\xepersian@tempb\relax
3319 \RTLtrue
3320 \or
3321 \RTLfalse
3322 \fi}
3323 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left
3324 \ifcase\xepersian@tempb\relax
3325 \autofootnoterule
3326 \or
3327 \leftfootnoterule
3328 \or
3329 \rightfootnoterule
3330 \or
3331 \SplitFootnoteRule
3332 \or
3333 \textwidthfootnoterule
3334 \fi}
3335 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
3336 \ifcase\xepersian@tempb\relax
3337 \RTL@footnotetrue
3338 \or
3339 \RTL@footnotefalse
3340 \fi}
3341 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3342 \ifcase\xepersian@tempb\relax
3343 \footdir@debugtrue
3344 \or
3345 \footdir@debugfalse
3346 \fi}
3347 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3348 \ifcase\xepersian@tempb\relax
3349 \input{kashida-xepersian.def}
3350 \fi}
3351 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3352 \ifcase\xepersian@tempb\relax
3353 \input{localise-xepersian.def}
3354 \fi}
3355 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,o
3356 \ifcase\xepersian@tempb\relax
3357 \@extrafootnotefeaturestrue
3358 \or
3359 \@extrafootnotefeaturesfalse
3360 \fi}
3361 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3362 \ifcase\xepersian@tempb\relax
3363 \PackageWarning{xepersian}{Obsolete option}%
3364 \ifwritexviii%

```



```

3365     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3366     \renewcommand\printindex{\newpage%
3367     \immediate\closeout\@indexfile
3368     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3369     \@input@{\jobname.ind}}}%
3370     \else
3371     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3372     \fi
3373 \fi}
3374 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off
3375 \ifcase\xepersian@tempb\relax
3376 \ifwritexviii%
3377 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3378 \renewcommand\printindex{\newpage%
3379 \immediate\closeout\@indexfile
3380 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3381 \@input@{\jobname.ind}}}%
3382 \else
3383 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3384 \fi
3385 \fi}
3386 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off
3387 \ifcase\xepersian@tempb\relax
3388 \ifwritexviii%
3389 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3390 \renewcommand\printindex{\newpage%
3391 \immediate\closeout\@indexfile
3392 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3393 \@input@{\jobname.ind}}}%
3394 \else
3395 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3396 \fi
3397 \fi}
3398 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3399 \ifcase\xepersian@tempb\relax
3400 \def\PersianAlphs{%
3401 \let\@alph\@abjad%
3402 \let\@Alph\@abjad%
3403 }
3404 \or
3405 \def\PersianAlphs{%
3406 \let\@alph\@Abjad%
3407 \let\@Alph\@Abjad%
3408 }
3409 \fi}
3410 \DeclareOptionX{defaultlatinfontfeatures}{%
3411 \defaultfontfeatures
3412 [\latinfont]
3413 {#1}
3414 }

```



```

3415
3416
3417 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3418   \ifcase\xepersian@tempb\relax
3419     \@xepersian@@computeautoilgtrue
3420   \or
3421     \@xepersian@@computeautoilgfalse
3422   \fi}
3423
3424 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3425   \ifcase\xepersian@tempb\relax
3426   \def\bidi@firstcolumn@status@write{%
3427     \protected@write\@auxout{}%
3428       {\string\bidi@column@status
3429        {1}}}%
3430   \def\bidi@lastcolumn@status@write{%
3431     \protected@write\@auxout{}%
3432       {\string\bidi@column@status{2}}}%
3433   \or
3434     \let\bidi@firstcolumn@status@write\relax
3435     \let\bidi@lastcolumn@status@write\relax
3436   \fi}
3437
3438
3439 \ExecuteOptionsX{%
3440   documentdirection=righttoleft,
3441   tabledirection=righttoleft,
3442   script=nonlatin,
3443   footnotedirection=righttoleft,
3444   footnoterule=automatic,
3445   abjadvariant=two,
3446   DetectColumn=off
3447 }
3448
3449 \ProcessOptionsX
3450
3451 \if@extrafootnotefeatures
3452   \input{extrafootnotefeatures-xetex-bidi.def}
3453   \input{extrafootnotefeatures-xepersian.def}
3454 \fi
3455
3456 \if\xepersian@@computeautoilg
3457 \bidi@patchcmd{\set@fontsize}{%
3458 \baselineskip\f@baselineskip\relax
3459 }{%
3460 \baselineskip\f@baselineskip\relax
3461 \xepersian@computeautoilg
3462 \ifdim\xepersian@strutilg>\baselineskip
3463 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
3464 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%

```





```

3465 \baselineskip\xepersian@strutilg
3466 \ifdim\footnotesep=.7\baselineskip
3467 \else
3468 \footnotesep.7\baselineskip
3469 \fi
3470 \fi
3471 \}{}{}
3472 \fi
3473
3474 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3475 \PersianAlphs

```

## 7.56 xepersian-magazine.cls

```

3476 \NeedsTeXFormat{LaTeX2e}
3477 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3478 \RequirePackage{ifthen}
3479 \newlength{\xepersian@imgsize}
3480 \newlength{\xepersian@coltitsize}
3481 \newlength{\xepersian@pageneed}
3482 \newlength{\xepersian@pageleft}
3483 \newlength{\xepersian@indexwidth}
3484 \newcommand{\xepersian@ncolumns}{0}
3485 \newlength{\columnlines}
3486 \setlength{\columnlines}{0 pt} % no lines by default
3487 \newboolean{xepersian@hyphenatedtitles}
3488 \setboolean{xepersian@hyphenatedtitles}{true}
3489 \newboolean{xepersian@ninepoints}
3490 \setboolean{xepersian@ninepoints}{false}
3491 \newboolean{xepersian@showgrid}
3492 \setboolean{xepersian@showgrid}{false}
3493 \newboolean{xepersian@a3paper}
3494 \setboolean{xepersian@a3paper}{false}
3495 \newboolean{xepersian@insidefrontpage}
3496 \setboolean{xepersian@insidefrontpage}{false}
3497 \newboolean{xepersian@insideweather}
3498 \setboolean{xepersian@insideweather}{false}
3499 \newboolean{xepersian@insideindex}
3500 \setboolean{xepersian@insideindex}{false}
3501 \newcount\xepersian@gridrows
3502 \newcount\xepersian@gridcolumns
3503 \xepersian@gridrows=40
3504 \xepersian@gridcolumns=50
3505 \newcount\minraggedcols
3506 \minraggedcols=5
3507 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3508 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3509 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3510 \DeclareOption{twocolumn}%
3511 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}

```



```

3512 \DeclareOption{notitlepage}%
3513 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3514 \DeclareOption{twoside}%
3515 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3516 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3517 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3518 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3519 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3520 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3521 \ProcessOptions\relax
3522 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3523 \RequirePackage{ifxetex}
3524 \RequirePackage{multido}
3525 \RequirePackage{datetime}
3526 \RequirePackage{multicol}
3527 \RequirePackage{fancyhdr}
3528 \RequirePackage{fancybox}
3529 \ifthenelse{\boolean{xepersian@a3paper}}{%
3530 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3531 }{
3532 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3533 }
3534 \RequirePackage[absolute]{textpos} % absolute positioning
3535 \RequirePackage{hyphenat} % when hyphenate
3536 \RequirePackage{lastpage} % to know the last page number
3537 \RequirePackage{setspace} % set space between lines
3538 \RequirePackage{ragged2e}
3539 \newcommand{\raggedFormat}{\RaggedLeft}
3540 \AtEndOfClass{\xepersianInit}
3541 \ifthenelse{\boolean{xepersian@showgrid}}{%
3542 \AtBeginDocument{
3543 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3544 \advance\minraggedcols by -1
3545 }{%
3546 \AtBeginDocument{
3547 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3548 \advance\minraggedcols by -1
3549 }
3550 \ifthenelse{\boolean{xepersian@ninepoints}}{
3551 \renewcommand{\normalsize}{%
3552 \setfontsize{\normalsize}{9pt}{10pt}%
3553 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3554 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3555 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3556 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3557
3558 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3559
3560 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3561

```



```

3562 \renewcommand{\small}{%
3563   \@setfontsize{\small}{8pt}{9pt}%
3564   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3565   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3566   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3567   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3568
3569 \renewcommand{\footnotesize}{%
3570   \@setfontsize{\footnotesize}{8pt}{9pt}%
3571   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3572   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3573   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3574   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3575
3576 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3577 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3578 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3579 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3580 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3581 }{}
3582 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3583 \newcommand{\xepersian@wwwFormat}{\sffamily}
3584 \newcommand{\xepersian@www}{%
3585   \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3586 }
3587 \newcommand{\xepersian@edition}{ {
3588   \newcommand{\editionFormat}{\large\bfseries\texttt}
3589   \newcommand{\xepersian@editionLogo}{%
3590     \raisebox{-3pt}{%
3591       {\editionFormat\xepersian@edition}%
3592     }%
3593 }
3594 \newcommand{\indexFormat}{\large\bfseries}
3595 \newcommand{\xepersian@indexFrameTitle}[1]
3596 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3597
3598 \newcommand{\indexEntryFormat}{\normalsize}
3599 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3600 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3601 \end{minipage}}
3602 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3603 \newcommand{\indexEntryPageTxt}{ {
3604 \newcommand{\indexEntryPageFormat}{\footnotesize}
3605 \newcommand{\xepersian@indexEntryPage}[1]{%
3606 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3607 }
3608 \newcommand{\headDateTimeFormat}{ }
3609 \newcommand{\xepersian@headDateTime}{%
3610 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3611 \currenttime %

```



```

3612 }
3613 \newcommand{\weatherFormat}{\bfseries}
3614 \newcommand{\xepersian@weather}[1]{%
3615 \noindent{\weatherFormat #1}%
3616 }
3617 \newcommand{\weatherTempFormat}{\small}
3618 \newcommand{\weatherUnits}{\textdegree{}C}
3619 \newcommand{\xepersian@section}[0]{ {
3620 \newcommand{\xepersian@headleft}{%
3621 {\small\bfseries \@custommagazinename} \date
3622 }
3623 \newcommand{\xepersian@headcenter}{%
3624 \xepersian@section{}
3625 }
3626 \newcommand{\xepersian@headright}{%
3627 \small\xepersian@edition%
3628 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3629 }
3630
3631 \newcommand{\heading}[3]{%
3632 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3633 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3634 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3635 }
3636 \newcommand{\xepersian@footright}{%
3637 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3638 }
3639 \newcommand{\xepersian@footcenter}{%
3640 }
3641 \newcommand{\xepersian@footleft}{%
3642 }
3643
3644 \newcommand{\foot}[3]{%
3645 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3646 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3647 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3648 }
3649 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3650 \newcommand{\xepersian@firstTitle}[1]{%
3651 {%
3652 \begin{spacing}{2.0}{%
3653 \noindent\ignorespaces
3654 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3655 {\nohyphens{\firstTitleFormat #1}}%
3656 {\firstTitleFormat #1}}%
3657 }%
3658 \end{spacing}%
3659 }%
3660 }
3661 \newcommand{\firstTextFormat}{%

```



```

3662 \newcommand{\xepersian@firstText}[1]{%
3663 {\noindent\ignorespaces\firstTextFormat #1}%
3664 }
3665 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3666 \newcommand{\xepersian@secondTitle}[1]{%
3667 \begin{spacing}{1.5}{%
3668 \noindent\ignorespaces\flushright
3669 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3670 {\nohyphens{\secondTitleFormat #1}}%
3671 {\secondTitleFormat #1}}%
3672 }\end{spacing}%
3673 }
3674 \newcommand{\secondSubtitleFormat}{\large}
3675 \newcommand{\xepersian@secondSubtitle}[1]{%
3676 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3677 }
3678 \newcommand{\secondTextFormat}{}
3679 \newcommand{\xepersian@secondText}[1]{%
3680 \begin{multicols}{2}
3681 {\noindent\ignorespaces\secondTextFormat #1}
3682 \end{multicols}
3683 }
3684 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3685 \newcommand{\xepersian@thirdTitle}[1]{%
3686 \begin{spacing}{1.5}{%
3687 \noindent\ignorespaces\flushright
3688 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3689 {\nohyphens{\thirdTitleFormat #1}}%
3690 {\thirdTitleFormat #1}}%
3691 }\end{spacing}%
3692 }
3693 \newcommand{\thirdSubtitleFormat}{\large}
3694 \newcommand{\xepersian@thirdSubtitle}[1]{%
3695 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3696 \newcommand{\thirdTextFormat}{}
3697 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3698 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3699 \newcommand{\xepersian@pictureCaption}[1]{%
3700 {\noindent\pictureCaptionFormat #1}%
3701 }
3702 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3703 \newcommand{\xepersian@pages}[1]{%
3704 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3705 \newcommand{\innerTitleFormat}{\Huge}
3706 \newcommand{\xepersian@innerTitle}[1]{%
3707 \begin{flushright}{%
3708 \noindent
3709 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3710 {\nohyphens{\innerTitleFormat #1}}%
3711 {\innerTitleFormat #1}}%

```



```

3712 }%
3713 %%
3714 \end{flushright}%
3715 }
3716 \newcommand{\innerSubtitleFormat}{\large}
3717 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
3718 \newcommand{\timestampTxt}{}
3719 \newcommand{\timestampSeparator}{|}
3720 \newcommand{\timestampFormat}{\small}
3721 \newcommand{\timestamp}[1]{%
3722 {\timestampFormat%
3723 #1~\timestampTxt}%
3724 }~\timestampSeparator}%
3725 }
3726 \newcommand{\innerAuthorFormat}{\footnotesize}
3727 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3728 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3729 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3730 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3731 \newcommand{\editorialAuthorFormat}{\textsc}
3732 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3733 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
3734 \newcommand{\shortarticleSubtitleFormat}{\Large}
3735 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
3736 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3737 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
3738 \renewcommand{\maketitle}{\begin{titlepage}%
3739 \let\footnotesize\small
3740 \let\footnoterule\relax
3741 \let \footnote \thanks
3742 \null\vfil
3743 \vskip 60\p@
3744 \begin{center}%
3745 {\LARGE \@title \par}%
3746 \vskip 1em%
3747 {\LARGE «\xepersian@edition» \par}%
3748 \vskip 3em%
3749 {\large
3750 \lineskip .75em%
3751 \begin{tabular}[t]{c}%
3752 \@author
3753 \end{tabular}\par}%
3754 \vskip 1.5em%
3755 {\large \@date \par}%
3756 \end{center}\par
3757 \@thanks
3758 \vfil\null
3759 \end{titlepage}%
3760 \setcounter{footnote}{0}%
3761 \global\let\thanks\relax

```



```

3762 \global\let\maketitle\relax
3763 \global\let\@thanks\@empty
3764 \global\let\@author\@empty
3765 \global\let\@date\@empty
3766 \global\let\@title\@empty
3767 \global\let\title\relax
3768 \global\let\author\relax
3769 \global\let\date\relax
3770 \global\let\and\relax
3771 }
3772 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3773 \newsavebox{\xepersian@fmbbox}
3774 \newenvironment{\xepersian@fmpage}[1]
3775 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
3776 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
3777 \newcommand{\image}[2]{
3778 \vspace{5pt}
3779 \setlength{\fboxsep}{1pt}
3780 \addtolength{\xepersian@imgsize}{\columnwidth}
3781 \addtolength{\xepersian@imgsize}{-1\columnsep}
3782 \ifxetex
3783 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3784 \addtolength{\xepersian@pageneed}{50pt}
3785 \ClassWarning{\xepersian-magazine}{%
3786 Image #1 needs: \the\xepersian@pageneed \space %
3787 and there is left: \the\page@free\space%
3788 }
3789 \ifdim \xepersian@pageneed < \page@free
3790
3791 {\centering\fbox{%
3792 \includegraphics[width = \xepersian@imgsize,
3793 height = \xepersian@imgsize,
3794 keepaspectratio ]{#1}}}
3795 \xepersian@pictureCaption{#2}
3796
3797 \vspace{5pt}
3798 \else
3799 \ClassWarning{Image #1 needs more space!%
3800 It was not inserted!}
3801 \fi
3802 \fi
3803 }
3804 \textblockorigin{1cm}{1cm}
3805 \newdimen\xepersian@dx
3806 \newdimen\xepersian@dy
3807 \newcount\xepersian@cx
3808 \newcount\xepersian@cy
3809 \newcommand{\grid}[3][ ]{
3810 \xepersian@dx=\textwidth%
3811 \xepersian@dy=\textheight%

```



```

3812 \xepersian@cx=#3% %columns
3813 \xepersian@cy=#2% %rows
3814
3815 \count1=#3%
3816 \advance\count1 by 1
3817
3818 \count2=#2%
3819 \advance\count2 by 1
3820
3821 \divide\xepersian@dx by #3
3822 \divide\xepersian@dy by #2
3823
3824 \setlength{\TPHorizModule}{\xepersian@dx}
3825 \setlength{\TPVertModule}{\xepersian@dy}
3826
3827 \ifthenelse{\equal{#1}{show}}{
3828 \multido{\xepersian@nrow=0+1}{\count2}{
3829 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3830 \rule[0pt]{\textwidth}{.1pt}
3831 \end{textblock}
3832 }
3833
3834 \multido{\xepersian@ncol=0+1}{\count1}{
3835 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3836 \rule[0pt]{.1pt}{\textheight}
3837 \end{textblock}
3838 }
3839 }{}
3840 }
3841 \newcommand{\xepersianInit}{
3842 \setlength{\headheight}{14pt}
3843 \renewcommand{\headrulewidth}{0.4pt}
3844
3845 \pagestyle{fancy}
3846
3847 \setlength{\columnseprule}{\columnlines}
3848 \setlength{\fboxrule}{0.1 pt}
3849
3850 }
3851
3852 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3853 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3854 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3855 \newcommand{\logo}[0]{
3856 %% Heading %%
3857 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3858
3859 \vspace*{-3pt}
3860
3861 {\Large\bfseries \@customlogo}

```





```

3862 \hrulefill
3863 \hspace{10pt}\xepersian@headDateTime
3864
3865 }
3866 \newcommand{\minilogo}[0]{
3867 {\large\bfseries \@customminilogo}
3868
3869 \vspace*{5pt}
3870 }
3871 \newcommand{\mylogo}[1]{
3872 {\beginR#1\endR}
3873
3874 \noindent
3875 \xepersian@editionLogo\hspace{5pt}
3876 \hrulefill
3877 \hspace{5pt}\xepersian@headDateTime
3878 }
3879 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3880 \newenvironment{frontpage}[0]
3881 {
3882 \setboolean{xepersian@insidefrontpage}{true}
3883 \thispagestyle{empty}
3884 \logo
3885
3886 }%
3887 {
3888 \thispagestyle{empty}
3889 \clearpage
3890 \newpage
3891 \fancyhead{}
3892 \fancyfoot{}
3893 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
3894 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
3895 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3896 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
3897 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
3898 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3899 \renewcommand{\headrulewidth}{0.4pt}
3900 \setboolean{xepersian@insidefrontpage}{false}
3901
3902 }
3903 \newcommand{\firstarticle}[3]
3904 {
3905 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3906 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3907 \begin{textblock}{24}(22,5)
3908 }
3909 {
3910 \begin{textblock}{28}(22,5)
3911 }

```



```

3912 \vspace{-7pt}
3913 \xepersian@firstTitle{#1}
3914 \end{textblock}
3915 \begin{textblock}{29}(22,10)
3916 \vspace{5pt plus 2pt minus 2pt}
3917
3918 \xepersian@firstText{\timestamp{#3}~#2}
3919
3920 \end{textblock}
3921
3922 \begin{textblock}{50}(0,15)
3923 \rule{50\TPHorizModule}{.3pt}
3924 \end{textblock}
3925 }{%else
3926 \ClassError{xepersian-magazine}{%
3927 \protect\firstarticle\space in a wrong place.\MessageBreak
3928 \protect\firstarticle\space may only appear inside frontpage environment.
3929 }{%
3930 \protect\firstarticle\space may only appear inside frontpage environment.
3931 }%
3932 }
3933 }
3934 \newcommand{\secondarticle}[5]
3935 {
3936 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3937 \begin{textblock}{33}(2,16)
3938 \xepersian@pages{#4}
3939 \vspace{-5pt}
3940 \xepersian@secondTitle{#1}
3941
3942 \vspace*{5pt}
3943
3944 \xepersian@secondSubtitle{#2}
3945
3946 \vspace*{-7pt}
3947
3948 \xepersian@secondText{\timestamp{#5}~#3}
3949
3950 \end{textblock}
3951
3952 \begin{textblock}{33}(2,25)
3953 \vspace{5pt plus 2pt minus 2pt}
3954
3955 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
3956 \end{textblock}
3957 }{%else
3958 \ClassError{xepersian-magazine}{%
3959 \protect\secondarticle\space in a wrong place.\MessageBreak
3960 \protect\secondarticle\space may only appear inside frontpage environment.
3961 }{%

```



```

3962 \protect\secondarticle\space may only appear inside frontpage environment.
3963 }%
3964 }
3965 }
3966 \newcommand{\thirdarticle}[6]
3967 {
3968 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3969 \begin{textblock}{32}(2,26)
3970 \xepersian@pages{#5}
3971 \vspace{-5pt}
3972 \setlength{\fboxsep}{1pt}
3973 \xepersian@thirdTitle{#1}
3974
3975 \vspace*{5pt}
3976
3977 \xepersian@thirdSubtitle{#2}
3978
3979 \vspace*{5pt}
3980
3981 {\noindent\ignorespaces %
3982 \ifthenelse{\equal{#4}{}}{}
3983
3984 \xepersian@thirdText{\timestamp{#6}~#3}
3985
3986 }
3987
3988 \vspace*{5pt}
3989
3990 \end{textblock}
3991 }{%else
3992 \ClassError{xepersian-magazine}{%
3993 \protect\thirdarticle\space in a wrong place.\MessageBreak
3994 \protect\thirdarticle\space may only appear inside frontpage environment.
3995 }{%
3996 \protect\thirdarticle\space may only appear inside frontpage environment.
3997 }%
3998 }
3999 }
4000 \newcommand{\firstimage}[2]
4001 {
4002 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4003 \begin{textblock}{18}(2,5)
4004 \setlength{\fboxsep}{1pt}
4005 \ifxetex % only in PDF
4006 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4007 \fi
4008
4009 \xepersian@pictureCaption{#2}
4010 \end{textblock}%
4011 }

```



```

4012 {\ClassError{xepersian-magazine}}{%
4013 \protect\firstimage\space in a wrong place.\MessageBreak
4014 \protect\firstimage\space may only appear inside frontpage environment.
4015 }{%
4016 \protect\firstimage\space may only appear inside frontpage environment.
4017 }}
4018 }%
4019 \newcommand{\weatheritem}[5]{%
4020 \ifthenelse{\boolean{xepersian@insideweather}}{
4021 \begin{minipage}{45pt}
4022 \ifxetex
4023 \includegraphics[width=40pt]{#1}
4024 \fi
4025 \end{minipage}
4026 \begin{minipage}{50pt}
4027 \weatherTempFormat
4028 #2\\
4029 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4030 #5
4031 \end{minipage}
4032 }{%else
4033 \ClassError{xepersian-magazine}}{%
4034 \protect\weatheritem\space in a wrong place.\MessageBreak
4035 \protect\weatheritem\space may only appear inside weatherblock environment.
4036 }{%
4037 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4038 weatherblock environment may only appear inside frontpage environment.
4039 }%
4040 }
4041 }
4042 \newenvironment{weatherblock}[1]
4043 {
4044 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4045 \setboolean{xepersian@insideweather}{true}
4046 \begin{textblock}{32}(2,38)
4047 \vspace*{-15pt}
4048
4049 \xepersian@weather{\beginR#1\endR}
4050
4051 \vspace*{5pt}
4052
4053 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4054 \begin{minipage}{32\TPHorizModule}
4055 \hspace{5pt}
4056
4057 }{%
4058 \ClassError{xepersian-magazine}}{%
4059 weatherblock in a wrong place.\MessageBreak
4060 weatherblock may only appear inside frontpage environment.
4061 }{%

```



```

4062 weatherblock may only appear inside frontpage environment.
4063 }
4064 }
4065 }%
4066 {
4067 \end{minipage}
4068 \end{xepersian@fmpage}
4069 \end{textblock}
4070 \setboolean{xepersian@insideweather}{false}
4071 }
4072 \newenvironment{authorblock}[0]
4073 {
4074 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4075 \begin{textblock}{15}(36,35)
4076 \setlength{\fboxsep}{5pt}
4077 \begin{xepersian@fmpage}{13\TPHorizModule}
4078 \begin{minipage}{13\TPHorizModule}
4079 \centering
4080 \minilogo
4081
4082 }{%else
4083 \ClassError{xepersian-magazine}{%
4084 authorblock in a wrong place.\MessageBreak
4085 authorblock may only appear inside frontpage environment.
4086 }{%
4087 authorblock may only appear inside frontpage environment.
4088 }
4089 }
4090 }
4091 {
4092 \end{minipage}
4093 \end{xepersian@fmpage}
4094 \end{textblock}
4095 }
4096 \newenvironment{indexblock}[1]
4097 {
4098 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4099 \setboolean{xepersian@insideindex}{true}%let's in
4100 \begin{textblock}{15}(36,16)
4101 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4102 \xepersian@indexFrameTitle{#1}
4103
4104 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4105 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4106 \begin{minipage}{\xepersian@indexwidth}
4107 \vspace*{10pt}
4108 }{%else
4109 \ClassError{xepersian-magazine}{%
4110 indexblock in a wrong place.\MessageBreak
4111 indexblock may only appear inside frontpage environment.

```



```

4112 }{%
4113 indexblock may only appear inside frontpage environment.
4114 }
4115 }
4116 }%
4117 {
4118 \end{minipage}
4119 \end{xepersian@fmpage}
4120 \end{textblock}
4121 \setboolean{xepersian@insideindex}{false}%let's out
4122 }
4123 \newcommand{\indexitem}[2]
4124 {
4125 \ifthenelse{\boolean{xepersian@insideindex}}{
4126 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4127
4128 \vspace{0.5cm}
4129
4130 \noindent\ignorespaces\indexEntrySeparator{
4131 }{%else
4132 \ClassError{xepersian-magazine}{%
4133 \protect\indexitem\space in a wrong place.\MessageBreak
4134 \protect\indexitem\space may only appear inside indexblock environment.
4135 }{%
4136 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4137 indexblock environment may only appear inside frontpage environment.
4138 }%
4139 }
4140 }
4141 \newcommand{\xepersian@inexpandedtitle}[1]{
4142 \begin{minipage}{.95\textwidth}
4143 \begin{center}
4144 \noindent\Large\textbf{\beginR#1\endR}
4145 \end{center}
4146 \end{minipage}
4147 }
4148 \newcommand{\expandedtitle}[2]{
4149 \end{multicols}
4150
4151 \begin{center}
4152 \setlength{\fboxsep}{5pt}
4153 \setlength{\shadowsize}{2pt}
4154 \ifthenelse{\equal{#1}{shadowbox}}{%
4155 \shadowbox{%
4156 \xepersian@inexpandedtitle{#2}%
4157 }%
4158 }{
4159 \ifthenelse{\equal{#1}{doublebox}}{%
4160 \doublebox{%
4161 \xepersian@inexpandedtitle{#2}%

```



```

4162 }%
4163 }{}
4164 \ifthenelse{\equal{#1}{ovalbox}}{%
4165 \ovalbox{%
4166 \xepersian@inexpandedtitle{#2}%
4167 }%
4168 }{}
4169 \ifthenelse{\equal{#1}{Ovalbox}}{%
4170 \Ovalbox{%
4171 \xepersian@inexpandedtitle{#2}%
4172 }%
4173 }{}
4174 \ifthenelse{\equal{#1}{lines}}{
4175 \hrule
4176 \vspace*{8pt}
4177 \begin{center}
4178 \noindent\Large\textbf{#2}
4179 \end{center}
4180 \vspace*{8pt}
4181 \hrule
4182 }{}
4183 \end{center}
4184
4185 \begin{multicols}{\xepersian@ncolumns{}}
4186 \ifnum \xepersian@ncolumns > \minraggedcols
4187 \raggedFormat
4188 \fi
4189 }
4190 \newcommand{\xepersian@incolumntitle}[2]{
4191 \begin{minipage}{#1}
4192 \begin{center}
4193 \noindent\normalsize\textbf{#2}
4194 \end{center}
4195 \end{minipage}
4196 }
4197
4198 \newcommand{\columnntitle}[2]{
4199 \vspace*{5pt}
4200 \begin{center}
4201 \setlength{\fboxsep}{5pt}
4202 \setlength{\shadowsize}{2pt}
4203 \addtolength{\xepersian@coltitsize}{\columnwidth}
4204 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4205 \addtolength{\xepersian@coltitsize}{-5pt}
4206 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4207 \ifthenelse{\equal{#1}{shadowbox}}{%
4208 \shadowbox{%
4209 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4210 }%
4211 }{}

```



```

4212 \ifthenelse{\equal{#1}{doublebox}}{%
4213 \doublebox{%
4214 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4215 }%
4216 }{}
4217 \ifthenelse{\equal{#1}{ovalbox}}{%
4218 \ovalbox{%
4219 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4220 }%
4221 }{}
4222 \ifthenelse{\equal{#1}{ovalbox}}{%
4223 \ovalbox{%
4224 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4225 }%
4226 }{}
4227 \ifthenelse{\equal{#1}{lines}}{
4228 \hrule
4229 \vspace*{5pt}
4230 \begin{center}
4231 \noindent\normalsize\textbf{#2}
4232 \end{center}
4233 \vspace*{5pt}
4234 \hrule
4235 }{}
4236 \end{center}
4237 }
4238 \renewcommand{\date}{%
4239 \longdate{\today}%
4240 }
4241 \newcommand{\authorandplace}[2]{%
4242 \rightline{%
4243 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4244 }%
4245 \par %
4246 }
4247 \newcommand{\newsection}[1]{
4248 \renewcommand{\xepersian@section}{#1}
4249 }
4250 \newenvironment{article}[5]
4251 {
4252 \xepersian@say{Adding a new piece of article}
4253 \renewcommand{\xepersian@ncolumns}{#1}
4254 \begin{multicols}{#1}[
4255 \xepersian@pages{#4}
4256 \xepersian@innerTitle{#2}%
4257 \xepersian@innerSubtitle{#3}%
4258 ] [4cm]%
4259 \label{#5}
4260 \ifnum #1 > \minraggedcols
4261 \raggedFormat

```





```

4262 \fi
4263 }
4264 {\innerTextFinalMark{}
4265 \end{multicols}
4266 }
4267 \newcommand{\articlesep}{%
4268 \setlength{\xepersian@pageneed}{16000pt}
4269 \setlength\xepersian@pageleft{\pagegoal}
4270 \addtolength\xepersian@pageleft{-\pagetotal}
4271
4272 \xepersian@say{How much left \the\xepersian@pageleft}
4273
4274 \ifdim \xepersian@pageneed < \xepersian@pageleft
4275 \xepersian@say{Not enough space}
4276 \else
4277 \xepersian@say{Adding sep line between articles}
4278 \vspace*{10pt plus 10pt minus 5pt}
4279 \hrule
4280 \vspace*{10pt plus 5pt minus 5pt}
4281 \fi
4282
4283 }
4284 \newcommand{\xepersian@editorialTit}[2]{
4285 \setlength{\arrayrulewidth}{.1pt}
4286 \begin{center}
4287 \begin{tabular}{c}
4288 \noindent
4289 \xepersian@editorialTitle{#1}
4290 \vspace{2pt plus 1pt minus 1pt}
4291 \\
4292 \hline
4293 \vspace{2pt plus 1pt minus 1pt}
4294 \\
4295 \editorialAuthorFormat{#2}
4296 \end{tabular}
4297 \end{center}
4298 }
4299 \newenvironment{editorial}[4]
4300 {
4301 \xepersian@say{Adding a new editorial}
4302 \begin{multicols}{#1}[%
4303 \xepersian@editorialTit{#2}{#3}%
4304 ] [4cm]
4305 \label{#4}
4306 \ifnum #1 > \minraggedcols
4307 \raggedFormat
4308 \fi
4309 }
4310 {
4311 \end{multicols}

```



```

4312 }
4313 \newcommand{\xepersian@shortarticleTit}[2]{
4314 \begin{center}
4315 \vbox{%
4316 \noindent
4317 \xepersian@shortarticleTitle{#1}
4318 \vspace{4pt plus 2pt minus 2pt}
4319 \hrule
4320 \vspace{4pt plus 2pt minus 2pt}
4321 \xepersian@shortarticleSubtitle{#2}
4322 }
4323 \end{center}
4324 }
4325 \newenvironment{shortarticle}[4]
4326 {
4327 \xepersian@say{Adding a short article block}
4328 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4329 \label{#4}
4330 \par %
4331 \ifnum #1 > \minraggedcols
4332 \raggedFormat
4333 \fi
4334 }
4335 {
4336 \end{multicols}
4337 }
4338 \newcommand{\shortarticleitem}[2]{
4339 \goodbreak
4340 \vspace{5pt plus 3pt minus 3pt}
4341 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4342 \vspace{5pt plus 3pt minus 3pt}
4343 {\noindent #2}\\
4344 }

```

## 7.57 xepersian-mathsdigitspec.sty

```

4345 \NeedsTeXFormat{LaTeX2e}
4346 \ProvidesPackage{xepersian-mathsdigitspec}
4347 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4348 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4349 \let\newfam\new@mathgroup
4350 \def\select@group#1#2#3#4{%
4351 \ifx\math@bgroup\bggroup\else\relax\expandafter\@firstofone\fi
4352 {%
4353 \ifmmode
4354 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4355 \begingroup
4356 \escapechar\m@ne
4357 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4358 \globaldefs\@ne \math@fonts

```



```

4359 \endgroup
4360 \init@restore@version
4361 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4362         {\number\csname c@mv@\math@version\endcsname}}}%
4363 \global\advance\csname c@mv@\math@version\endcsname\@ne
4364 \else
4365 \let#1\relax
4366 \@latex@error{Too many math alphabets used in
4367               version \math@version}%
4368 \@eha
4369 \fi
4370 \else \expandafter\non@alpherr\fi
4371 #1{#4}%
4372 }%
4373 }
4374 \def\document@select@group#1#2#3#4{%
4375 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4376 {%
4377 \ifmmode
4378 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4379 \begin@group
4380 \escapechar\m@ne
4381 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4382 \globaldefs\@ne \math@fonts
4383 \endgroup
4384 \expandafter\extract@alph@from@version
4385 \csname mv@\math@version\expandafter\endcsname
4386 \expandafter{\number\csname
4387               c@mv@\math@version\endcsname}%
4388 #1%
4389 \global\advance\csname c@mv@\math@version\endcsname\@ne
4390 \else
4391 \let#1\relax
4392 \@latex@error{Too many math alphabets used
4393               in version \math@version}%
4394 \@eha
4395 \fi
4396 \else \expandafter\non@alpherr\fi
4397 #1{#4}%
4398 }%
4399 }
4400 \ExplSyntaxOn
4401 \bool_set_false:N \g__fontspec_math_bool
4402 \tl_map_inline:nn
4403 {
4404 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4405 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4406 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4407 \version@list\version@elt\alpha@list\alpha@elt
4408 \restore@mathversion\init@restore@version\dorestore@version\process@table

```



```

4409 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4410 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4411 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4412 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4413 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4414 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4415 \set@mathdelimiter\DeclareMathRadical\mathchar@type
4416 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4417 }
4418 {
4419 \tl_remove_once:Nn \@preamblecmds {\do#1}
4420 }
4421 \ExplSyntaxOff
4422 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4423 \newcommand\SetMathCode[4]{%
4424 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4425 \newcommand\SetMathCharDef[4]{%
4426 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4427 \ExplSyntaxOn
4428 \cs_new_eq:NN \orig_mathbf:n \mathbf
4429 \cs_new_eq:NN \orig_mathit:n \mathit
4430 \cs_new_eq:NN \orig_mathrm:n \mathrm
4431 \cs_new_eq:NN \orig_mathsf:n \mathsf
4432 \cs_new_eq:NN \orig_mathtt:n \mathtt
4433 \NewDocumentCommand \new@mathbf { m } {
4434 \orig_mathbf:n {
4435 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4436 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4437 }
4438 #1
4439 }
4440 }
4441 \NewDocumentCommand \new@mathit { m } {
4442 \orig_mathit:n {
4443 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4444 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4445 }
4446 #1
4447 }
4448 }
4449 \NewDocumentCommand \new@mathrm { m } {
4450 \orig_mathrm:n {
4451 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4452 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4453 }
4454 #1
4455 }
4456 }
4457 \NewDocumentCommand \new@mathsf { m } {
4458 \orig_mathsf:n {

```



```

4459 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4460 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4461 }
4462 #1
4463 }
4464 }
4465 \NewDocumentCommand \new@mathtt{ m } {
4466 \orig_mathtt:n {
4467 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4468 \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4469 }
4470 #1
4471 }
4472 }
4473
4474 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
4475 {
4476 \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4477 }
4478 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4479 {
4480 \let\glb@currsize\relax
4481 \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4482 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4483 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4484 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4485 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4486 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4487 \def\persianmathsdigits{%
4488 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4489 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4490 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4491 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4492 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4493 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4494 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4495 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4496 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4497 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4498 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4499 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4500 \tl_set_eq:NN \mathbf \new@mathbf
4501 \tl_set_eq:NN \mathit \new@mathit
4502 \tl_set_eq:NN \mathrm \new@mathrm
4503 }
4504
4505
4506 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4507 {

```



```

4508 \_xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4509 }
4510 \cs_set:Nn \_xepersian_main_setmathsfdigitfont:nnn
4511 {
4512 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4513 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4514 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4515 }
4516
4517
4518
4519 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4520 {
4521 \_xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4522 }
4523 \cs_set:Nn \_xepersian_main_setmathttdigitfont:nnn
4524 {
4525 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4526 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4527 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4528 }
4529
4530 \ExplSyntaxOff
4531 \ifx\newcommand\undefined\else
4532 \newcommand{\ZifferAn}{}
4533 \fi
4534 \mathchardef\ziffer@DotOri="013A
4535 {\ZifferAn
4536 \catcode\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4537 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4538 \def\ziffer@check#1#2{%
4539 \ifx\n1\endgroup#1\else
4540 \ifx\n2\endgroup#1\else
4541 \ifx\n3\endgroup#1\else
4542 \ifx\n4\endgroup#1\else
4543 \ifx\n5\endgroup#1\else
4544 \ifx\n6\endgroup#1\else
4545 \ifx\n7\endgroup#1\else
4546 \ifx\n8\endgroup#1\else
4547 \ifx\n9\endgroup#1\else
4548 \ifx\n0\endgroup#1\else
4549 \ifx\n\overline\endgroup#1\else
4550 \endgroup#2%
4551 \fi
4552 \fi
4553 \fi
4554 \fi
4555 \fi
4556 \fi
4557 \fi

```



```

4558     \fi
4559     \fi
4560     \fi
4561 \fi}
4562 \mathcode`.="8000\relax
4563 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4564 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4565 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4566 \def\DefaultMathsDigits{%
4567     \DefaultInlineMathsDigits%
4568     \DefaultDisplayMathsDigits%
4569 }
4570 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4571 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4572 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4573 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4574 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4575 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4576 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4577 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4578 \def\PersianMathsDigits{%
4579     \PersianInlineMathsDigits%
4580     \PersianDisplayMathsDigits%
4581 }
4582 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
4583 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4584 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4585 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4586 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4587 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4588 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4589 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4590 \def\AutoMathsDigits{%
4591     \AutoInlineMathsDigits%
4592     \AutoDisplayMathsDigits%
4593 }
4594 \AutoMathsDigits
4595 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
4596 \let\SetDisplayMathsDigits\relax%
4597 }
4598 \g@addto@macro\document{\everydisplay\expandafter{%
4599     \the\everydisplay\SetDisplayMathsDigits%
4600     \let\SetInlineMathsDigits\relax%
4601 }}

```

## 7.58 xepersian-multiplechoice.sty

```

4602 \NeedsTeXFormat{LaTeX2e}
4603 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4604 Multiple Choice Questionnaire class for Persian in XeLaTeX]

```



```

4605 \RequirePackage{pifont}
4606 \RequirePackage{fullpage}
4607 \RequirePackage{ifthen}
4608 \RequirePackage{calc}
4609 \RequirePackage{verbatim}
4610 \RequirePackage{tabularx}
4611 \def\@headerfont{\bfseries}
4612 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4613 \def\@X{X}
4614 \newcommand\X[1]{\gdef\@X{#1}}
4615 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4616 \newcolumntype{D}{>{\pbs\centering}X}
4617 \newcolumntype{Q}{>{\@headerfont}X}
4618
4619 \renewcommand\tabularxcolumn[1]{m{#1}}
4620 \newcommand\makeform@nocorrection{%
4621   \addtocontents{frm}{\protect\end{tabularx}}
4622   \@starttoc{frm}}
4623 \newcommand\makeform@correction{%
4624   \addtocontents{frm}{\protect\end{tabularx}}}
4625 \newcommand\makemask@nocorrection{%
4626   \addtocontents{msk}{\protect\end{tabularx}}
4627   \@starttoc{msk}}
4628 \newcommand\makemask@correction{%
4629   \addtocontents{msk}{\protect\end{tabularx}}}
4630 \newlength\questionspace
4631 \setlength\questionspace{Opt}
4632 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4633 \def\@answerstitlefont{\bfseries}
4634 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4635 \def\@answernumberfont{\bfseries}
4636 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4637 \newcounter{question}\stepcounter{question}
4638 \newcounter{@choice}
4639 \def\@initorcheck{%
4640   \xdef\@choices{\the@choice}%
4641   \setcounter{@choice}{1}%
4642   \gdef\@arraydesc{||Q||}%
4643   \gdef\@headerline{}}
4644 \whiledo{\not{\value{@choice}>\@choices}}{
4645   \xdef\@arraydesc{\@arraydesc D|}
4646   \def\@appendheader{\g@addto@macro\@headerline}
4647   \@appendheader{\&\protect\@headerfont}
4648   \edef\@the@choice{\alph{@choice}}
4649   \expandafter\@appendheader\@the@choice
4650   \stepcounter{@choice}}%
4651 \addtocontents{frm}{%
4652   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4653   \protect\hline
4654   \@headerline\protect\\\protect\hline\protect\hline}%

```





```

4655 \addtocontents{msk}{%
4656 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4657 \protect\hline
4658 \@headerline\protect\\protect\hline\protect\hline}%
4659 \gdef\@initorcheck{%
4660 \ifthenelse{\value{@choice} = \@choices}{\{%
4661 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4662 (\the@choice\space instead of \@choices)}{\%
4663 Questions must all have the same number of proposed answers.%
4664 \MessageBreak
4665 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4666 \newenvironment{question}[1]{%
4667 %% \begin{question}
4668 \begin{minipage}{\textwidth}
4669 \xdef\@formanswerline{\@questionheader}%
4670 \xdef\@maskanswerline{\@questionheader}%
4671 \fbox{\parbox[c]{\linewidth}{#1}}
4672 \vspace\questionspace\par
4673 {\@answerstitlefont\@answerstitle}
4674 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4675 %% \end{question}
4676 \end{list}
4677 \@initorcheck%
4678 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4679 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4680 \end{minipage}
4681 \stepcounter{question}}
4682 \def\@truesymbol{\ding{52}~}
4683 \def\@falsesymbol{\ding{56}~}
4684 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4685 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4686 \def\@true@nocorrection{\item}
4687 \def\@false@nocorrection{\item}
4688 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4689 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4690 \newcommand\true{%
4691 \xdef\@formanswerline{\@formanswerline&}%
4692 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4693 \@true}%
4694 \newcommand>false{%
4695 \xdef\@formanswerline{\@formanswerline&}%
4696 \xdef\@maskanswerline{\@maskanswerline&}%
4697 \@false}%
4698 \def\@correctionstyle{\itshape}
4699 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4700 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4701 \def\@questionheader{\thequestion}
4702 \answerstitle{
4703 \DeclareOption{nocorrection}{%
4704 \let\@true\@true@nocorrection

```



```

4705 \let\@false\@false@nocorrection
4706 \let\correction\comment
4707 \let\endcorrection\endcomment
4708 \def\makeform{\makeform@nocorrection}
4709 \def\makemask{\makemask@nocorrection}}
4710 \DeclareOption{correction}{%
4711 \let\@true\@true@correction
4712 \let\@false\@false@correction
4713 \let\correction\@correction
4714 \let\endcorrection\end@correction
4715 \def\makeform{\makeform@correction}
4716 \def\makemask{\makemask@correction}}
4717 \ExecuteOptions{nocorrection}
4718 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4719 \def\@questiontitlefont{\bfseries}
4720 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4721 \newlength\questiontitlespace
4722 \setlength\questiontitlespace{5pt}
4723 \newlength\questionsepspace
4724 \setlength\questionsepspace{20pt}
4725 \gdef\@questionsepspace{0pt}
4726 \let\old@question\question
4727 \let\old@endquestion\endquestion
4728 \renewenvironment{question}[1]{%
4729 %% \begin{question}
4730 \vspace\@questionsepspace
4731 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4732 \nopagebreak\vspace\questiontitlespace\par
4733 \old@question{#1}}{%
4734 %% \end{question}
4735 \old@endquestion
4736 \gdef\@questionsepspace{\questionsepspace}}
4737 \questiontitle{ \thequestion:}
4738 \ProcessOptions

```

## 7.59 xepersian-persiancal.sty

```

4739 \NeedsTeXFormat{LaTeX2e}
4740 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4741
4742 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4743 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4744 \newcount\XePersian@latini \newcount\XePersian@persiani
4745 \newcount\XePersian@latinii \newcount\XePersian@persianii
4746 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4747 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4748 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4749 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4750 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4751 \newcount\XePersian@latinviii \newcount\XePersian@persianviii

```



```

4752 \newcount\XePersian@latinix \newcount\XePersian@persianix
4753 \newcount\XePersian@latinx \newcount\XePersian@persianx
4754 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4755 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4756 \newcount\XePersian@persianxiii
4757
4758 \newcount\XePersian@temp
4759 \newcount\XePersian@temptwo
4760 \newcount\XePersian@tempthree
4761 \newcount\XePersian@yModHundred
4762 \newcount\XePersian@thirtytwo
4763 \newcount\XePersian@dn
4764 \newcount\XePersian@sn
4765 \newcount\XePersian@mminusone
4766
4767
4768 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4769 \XePersian@temp=\XePersian@y
4770 \divide\XePersian@temp by 100\relax
4771 \multiply\XePersian@temp by 100\relax
4772 \XePersian@yModHundred=\XePersian@y
4773 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4774 \ifodd\XePersian@yModHundred
4775 \XePersian@leapfalse
4776 \else
4777 \XePersian@temp=\XePersian@yModHundred
4778 \divide\XePersian@temp by 2\relax
4779 \ifodd\XePersian@temp\XePersian@leapfalse
4780 \else
4781 \ifnum\XePersian@yModHundred=0%
4782 \XePersian@temp=\XePersian@y
4783 \divide\XePersian@temp by 400\relax
4784 \multiply\XePersian@temp by 400\relax
4785 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4786 \else\XePersian@leaptrue
4787 \fi
4788 \fi
4789 \fi
4790 \XePersian@latini=31\relax
4791 \ifXePersian@leap
4792 \XePersian@latinii = 29\relax
4793 \else
4794 \XePersian@latinii = 28\relax
4795 \fi
4796 \XePersian@latiniii = 31\relax
4797 \XePersian@latiniv = 30\relax
4798 \XePersian@latinv = 31\relax
4799 \XePersian@latinvi = 30\relax
4800 \XePersian@latinvii = 31\relax
4801 \XePersian@latinviii = 31\relax

```



```

4802 \XePersian@latinix = 30\relax
4803 \XePersian@latinx = 31\relax
4804 \XePersian@latinxi = 30\relax
4805 \XePersian@latinxii = 31\relax
4806 \XePersian@thirtytwo=32\relax
4807 \XePersian@temp=\XePersian@y
4808 \advance\XePersian@temp by -17\relax
4809 \XePersian@temptwo=\XePersian@temp
4810 \divide\XePersian@temptwo by 33\relax
4811 \multiply\XePersian@temptwo by 33\relax
4812 \advance\XePersian@temp by -\XePersian@temptwo
4813 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
4814 \else
4815   \XePersian@temptwo=\XePersian@temp
4816   \divide\XePersian@temptwo by 4\relax
4817   \multiply\XePersian@temptwo by 4\relax
4818   \advance\XePersian@temp by -\XePersian@temptwo
4819   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
4820 \fi
4821 \XePersian@tempthree=\XePersian@y % Number of Leap years
4822 \advance\XePersian@tempthree by -1
4823 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4824 \divide\XePersian@temp by 4\relax
4825 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4826 \divide\XePersian@temptwo by 100\relax
4827 \advance\XePersian@temp by -\XePersian@temptwo
4828 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4829 \divide\XePersian@temptwo by 400\relax
4830 \advance\XePersian@temp by \XePersian@temptwo
4831 \advance\XePersian@tempthree by -611 % Number of Kabise years
4832 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4833 \divide\XePersian@temptwo by 33\relax
4834 \multiply\XePersian@temptwo by 8\relax
4835 \advance\XePersian@temp by -\XePersian@temptwo
4836 \XePersian@temptwo=\XePersian@tempthree %
4837 \divide\XePersian@temptwo by 33\relax
4838 \multiply\XePersian@temptwo by 33\relax
4839 \advance\XePersian@tempthree by -\XePersian@temptwo
4840 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
4841 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4842 \advance\XePersian@temp by -\XePersian@tempthree
4843 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4844 \XePersian@persiani=31
4845 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4846 \XePersian@persianii = 30\relax
4847 \ifXePersian@kabiseh
4848   \XePersian@persianiii = 30\relax
4849 \else
4850   \XePersian@persianiii = 29\relax
4851 \fi

```



```

4852 \XePersian@persianiv = 31\relax
4853 \XePersian@persianv = 31\relax
4854 \XePersian@persianvi = 31\relax
4855 \XePersian@persianvii = 31\relax
4856 \XePersian@persianviii= 31\relax
4857 \XePersian@persianix = 31\relax
4858 \XePersian@persianx = 30\relax
4859 \XePersian@persianxi = 30\relax
4860 \XePersian@persianxii = 30\relax
4861 \XePersian@persianxiii= 30\relax
4862 \XePersian@dn= 0\relax
4863 \XePersian@sn= 0\relax
4864 \XePersian@mminusone=\XePersian@m
4865 \advance\XePersian@mminusone by -1\relax
4866 \XePersian@i=0\relax
4867 \ifnum\XePersian@i < \XePersian@mminusone
4868 \loop
4869 \advance \XePersian@i by 1\relax
4870 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4871 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4872 \fi
4873 \advance \XePersian@dn by \XePersian@d
4874 \XePersian@i=1\relax
4875 \XePersian@sn = \XePersian@persiani
4876 \ifnum \XePersian@sn<\XePersian@dn
4877 \loop
4878 \advance \XePersian@i by 1\relax
4879 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4880 \ifnum \XePersian@sn<\XePersian@dn \repeat
4881 \fi
4882 \ifnum \XePersian@i < 4
4883 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4884 \advance \XePersian@y by -622\relax
4885 \else
4886 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4887 \advance \XePersian@y by -621\relax
4888 \fi
4889 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4890 \endcsname
4891 \ifnum\XePersian@i = 1
4892 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian
4893 \else
4894 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4895 \fi
4896 \newcommand*{\persiantoday}{%
4897 \number\XePersian@d\space%
4898 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4899 }
4900 \let\persianyear\XePersian@y
4901 \let\persianmonth\XePersian@m

```



```

4902 \let\persianday\XePersian@d
4903 \def\XePersian@persian@month#1{\ifcase#1\or or\
4904 or\
4905 or\    or\
4906 or\
4907 or\    or\
4908 or\    or\
4909 or\    or\
4910 {fi\

```



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## 8 Change History

v13.1	General: Added implementation of the package. . . . .	0
v13.2	General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code> . . . . .	117
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	148
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. . . . .	85

