

The XePersian Package

<http://bitbucket.org/vafa/xepersian>

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I Dedication

We dedicate the XePersian package to our father, Cyrus The Great. Cyrus the Great (c. 600 BC or 576 BC – December 530 BC), also known as **Cyrus II** or **Cyrus of Persia**, was the first Zoroastrian Persian emperor. He was the founder of the Persian Empire under the Achaemenid dynasty.



Figure 1: Portrait of Cyrus The Great

Cambyes II, who managed to add to the empire by conquering Egypt, Nubia, and Cyrenaica during his short rule.

As a military leader, Cyrus left a legacy on the art of leadership and decision making, and he attributed his success to “Diversity in counsel, unity in command.” Cyrus the Great respected the customs and religions of the lands he conquered. It is said that in universal history, the role of the Achaemenid empire founded by Cyrus lies in its very successful model

It was under his own rule that the empire embraced all previous civilized states of the ancient Near East, expanded vastly and eventually conquered most of Southwest Asia and much of Central Asia, from Egypt and the Hellespont in the west to the Indus River in the east, to create the largest empire the world had yet seen.

The reign of Cyrus lasted 29 to 31 years. Cyrus built his empire by fighting and conquering first the Median Empire, then the Lydian Empire and the Neo-Babylonian Empire. Either before or after Babylon, he led an expedition into central Asia, which resulted in major campaigns that brought “into subjection every nation without exception.” Cyrus did not venture into Egypt, as he himself died in battle, fighting the Massagetae along the Syr Darya in December 530 BC. He was succeeded by his son,

for centralized administration and establishing a government working to the advantage and profit of its subjects. In fact, the administration of the empire through satraps and the vital principle of forming a government at Pasargadae were the work of Cyrus. Aside from his own nation, Iran, Cyrus also left a lasting legacy on Jewish religion (through his Edict of Restoration), human rights, politics, and military strategy, as well as on both Eastern and Western civilizations.

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2 Introduction

XePersian is a package for typesetting Persian/English documents with Xe_{La}T_EX. The package includes adaptations for use with many other commonly-used packages.

2.1 Important Notes

- ☞ The XePersian package only works with Xe_TE_X engine.
- ☞ Before reading this documentation, you should have read the documentation of the version 1.1.6 of `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, I no longer provide this class because I am not familiar with specification of a thesis in Iran and even if I was, the specifications are different from University to University. XePersian is a general package like L^AT_EX 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.
- ☞ To get help, please explore <http://forum.parsilatex.com> and ask your question there.

2.2 XePersian Info On The Terminal and In The Log File

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

```
xepersian package (Persian for LaTeX over XeTeX)
Description: The package supports Persian
typesetting, using fonts provided in the distribution.
Copyright © 2008-2011 Vafa Khalighi
v1.1.0, <commit 100>, 2011/03/21
License: LaTeX Project Public License, version 1.3c or higher (your
choice)
Home: http://bitbucket.org/vafa/xepersian
Location on CTAN: /macros/xetex/latex/xepersian
```

3 Basics

3.1 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 3.3](#).

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.

- ② 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:

```
\documentclass{minimal}
\usepackage{xepersian}
\usepackage{enumerate}
\settextfont{XB Niloofar}
\begin{document}
این فقط یک آزمایش است
\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}
?
```

3.2 Commands for Version number, Mercurial commit number and Date of The Package

```
\xepersianversion \xepersiancommit \xepersiandate
```

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

☞ `\xepersiancommit` gives the current Mercurial commit number of the package.

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

```

\documentclass{article}
\usepackage{xepersian}
\settextfont{XB Niloofar}
\begin{document}
\begin{latin}
This is typeset by \textsf{\XePersian} package,
\expersianversion, \expersiancommit, \expersiandate.
\end{latin}
\end{document}

```

3.3 Options of The Package

There are three options:

3.4 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. Please refer to `bidi` package for details.

3.4.1 Kashida Option

If you pass `Kashida` option to the package, you will use `Kashida` for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Please note that X series fonts of IRMUG (Iranian Mac Users Group) have absolutely super poor quality and if you use any of these fonts with `Kashida` option enabled, the result on the PDF viewed on the monitor is the ugliest of any kind, however the print may look fine. Hence if you are going to enable `Kashida` option, then you are advised to use either “Adobe Arabic” or “Scheherazade” fonts.

Note that you can not use `Kashida` option when you are using `Nastaliq`-like font (well, you still can use `Kashida` option when you use any `Nastaliq`-like font, but I can not guarantee high quality output!).

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

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

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

☞ `\KashidaOff` disables `Kashida`.

3.4.2 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

This is the font issue not XePersian’s bug

New →

T_EX document; otherwise you get an error which indicates that shell scape (or writer8) is not enabled.

3.4.3 localise Option

The `localise` option is now active by default; it allows you to use most frequently-used L^AT_EX commands and environments in Persian, almost like what T_EX-e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of L^AT_EX and T_EX commands and environments. The Persian equivalents of L^AT_EX and T_EX commands are shown in Table 1, The Persian equivalents of XePersian commands are shown in Table 2, Persian equivalents of L^AT_EX environments are shown in Table 3 and Persian equivalents of XePersian environments are shown in Table 4

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

Not only you can use Persian equivalents of L^AT_EX and T_EX commands and environments, but still original L^AT_EX and T_EX commands and environments work too.

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

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

```
\eqcommand{⟨command-name in Persian⟩}{⟨original LATEX command-name⟩}
\eqenvironment{⟨environment-name in Persian⟩}{⟨original LATEX environment-name⟩}
```

Table 1: The Equivalent L^AT_EX and T_EX Commands

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplaysshortskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>

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New →

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\address</code>	\نشانی
<code>\addtocontents</code>	\بیفزابه فهرست
<code>\addtocounter</code>	\اضافه برشمارنده
<code>\addtolength</code>	\اضافه بر بعد
<code>\addvspace</code>	\بیفزافضای و
<code>\adjdemerits</code>	\تنظیم بدنمایی
<code>\advance</code>	\بیفزابر
<code>\afterassignment</code>	\بعدازانتساب
<code>\aftergroup</code>	\بعدازگروه
<code>\aleph</code>	\الف
<code>\aliasfontfeature</code>	\خصیصه مستعار قلم
<code>\aliasfontfeatureoption</code>	\انتخاب خصیصه مستعار قلم
<code>\allowbreak</code>	\شکستی
<code>\alloc@</code>	\تخصی @
<code>\allocationnumber</code>	\تخصیص یافته
<code>\allowdisplaybreaks</code>	\شکست نمایش مجاز
<code>\Alph</code>	\حروف بزرگ
<code>\alph</code>	\حروف کوچک
<code>\alsoname</code>	\نام همچنین
<code>\and</code>	\و
<code>\angle</code>	\زاویه
<code>\appendixname</code>	\عنوان پیوست
<code>\approx</code>	\تقریب
<code>\arabic</code>	\عربی
<code>\arg</code>	\آرگ
<code>\arrayrulecolor</code>	\رنگ خط جدول
<code>\arraycolsep</code>	\فاصله ستونهای آرایه
<code>\arrayrulewidth</code>	\ضخامت خط جدول
<code>\arraystretch</code>	\کشیدگی آرایه
<code>\AtBeginDocument</code>	\در آغاز نوشتار
<code>\AtEndDocument</code>	\در پایان نوشتار
<code>\AtEndOfClass</code>	\در انتهای طبقه
<code>\AtEndOfPackage</code>	\در انتهای سبک
<code>\author</code>	\نویسنده
<code>\backmatter</code>	\مطلب پشت
<code>\backslash</code>	\شکاف پشت
<code>\badness</code>	\بدنمایی
<code>\bar</code>	\میله
<code>\baselineskip</code>	\فاصله کرسی
<code>\baselinestretch</code>	\کشش فاصله کرسی

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\batchmode</code>	<code>\پردازش دسته‌ای</code>
<code>\begin</code>	<code>\شروع</code>
<code>\beginL</code>	<code>\شروع چپ</code>
<code>\beginR</code>	<code>\شروع راست</code>
<code>\begingroup</code>	<code>\شروع گروه</code>
<code>\belowdisplayshortskip</code>	<code>\فاصله کوتاه پایین نمایش</code>
<code>\belowdisplayskip</code>	<code>\فاصله پایین نمایش</code>
<code>\bf</code>	<code>\سیاه</code>
<code>\bfdefault</code>	<code>\پیش فرض سیاه</code>
<code>\bfseries</code>	<code>\شمار سیاه</code>
<code>\bgroup</code>	<code>\شر گروه</code>
<code>\bibitem</code>	<code>\مرجوع</code>
<code>\bibliography</code>	<code>\کتاب نامه</code>
<code>\bibliographystyle</code>	<code>\سبک کتاب نامه</code>
<code>\bibname</code>	<code>\عنوان کتاب نامه</code>
<code>\bigskip</code>	<code>\پرش بلند</code>
<code>\bigskipamount</code>	<code>\مقدار پرش بلند</code>
<code>\botfigrule</code>	<code>\خط پایین شناور</code>
<code>\botmark</code>	<code>\علامت پایین</code>
<code>\bottompageskip</code>	<code>\کادر تا پایین</code>
<code>\bottomfraction</code>	<code>\نسبت پایین</code>
<code>\box</code>	<code>\کادر</code>
<code>\boxmaxdepth</code>	<code>\حداکثر عمق کادر</code>
<code>\break</code>	<code>\بشکن</code>
<code>\bullet</code>	<code>\گلوله</code>
<code>\@cclv</code>	<code>\دوپین @ پنج</code>
<code>\@cclvi</code>	<code>\دوپین @ شش</code>
<code>\caption</code>	<code>\شرح</code>
<code>\catcode</code>	<code>\کدرده</code>
<code>\cc</code>	<code>\رونوشت</code>
<code>\ccname</code>	<code>\نام رونوشت</code>
<code>\cdot</code>	<code>\نقطه وسط</code>
<code>\cdots</code>	<code>\نقاط وسط</code>
<code>\centering</code>	<code>\تنظیم از وسط</code>
<code>\centerline</code>	<code>\خط وسط</code>
<code>\ch@ck</code>	<code>\چک @ ن</code>
<code>\chapter</code>	<code>\فصل</code>
<code>\chaptername</code>	<code>\عنوان فصل</code>
<code>\char</code>	<code>\نویسه</code>
<code>\chardef</code>	<code>\تعریف نویسه</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانه مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپیر
<code>\closein</code>	\ببند ورودی
<code>\closeout</code>	\ببند خروجی
<code>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سربند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار @
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crrc</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@ تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\dblbotfigrule</code>	<code>\خط پایین شناور پهن</code>
<code>\dblbottomfraction</code>	<code>\نسبت پهن پایین</code>
<code>\dblfigrule</code>	<code>\خط بالای شناور پهن</code>
<code>\dblfloatpagefraction</code>	<code>\نسبت صفحه شناور پهن</code>
<code>\dblfloatsep</code>	<code>\فاصله بین شناور پهن</code>
<code>\dblftntlocatcode</code>	<code>\کدمکان غیرهما نطور</code>
<code>\dbltextfloatsep</code>	<code>\فاصله متن و شناور پهن</code>
<code>\dbltopfraction</code>	<code>\نسبت پهن بالا</code>
<code>\DeclareFixedFont</code>	<code>\اعلان قلم ثابت</code>
<code>\DeclareGraphicsExtensions</code>	<code>\اعلان پسوند گرافیک</code>
<code>\DeclareGraphicsRule</code>	<code>\اعلان دستور گرافیک</code>
<code>\DeclareOldFontCommand</code>	<code>\اعلان فرمان قلم قدیمی</code>
<code>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\ابعاد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@ یک</code>
<code>\dimen@ii</code>	<code>\بعد@ دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\doteq</code>	\نقطه مساوی
<code>\dotfill</code>	\پر نقطه‌ا
<code>\dots</code>	\نقاط
<code>\doublebox</code>	\کادر دولا
<code>\doublerulesepcolor</code>	\رنگ فاصله دوخط جدول
<code>\doublerulesep</code>	\فاصله بین دوخط
<code>\downarrow</code>	\فلش پایین
<code>\dp</code>	\عمق
<code>\dump</code>	\تخلیه
<code>\edef</code>	\ترگ
<code>\egroup</code>	\پاگروه
<code>\eject</code>	\انتهای فاصله
<code>\else</code>	\گزینه
<code>\em</code>	\تاکید
<code>\emergencystretch</code>	\کشش لاجرم
<code>\emph</code>	\موکد
<code>\@empty</code>	\@پوچ
<code>\empty</code>	\پوچ
<code>\emptyset</code>	\مجموعه پوچ
<code>\end</code>	\پایان
<code>\endL</code>	\پایان چپ
<code>\endR</code>	\پایان راست
<code>\endcsname</code>	\پایان نام فرمان
<code>\endfirsthead</code>	\پایان اولین سر
<code>\endfoot</code>	\پایان پا
<code>\endgraf</code>	\ته بند
<code>\endgroup</code>	\پایان گروه
<code>\endhead</code>	\پایان سر
<code>\endinput</code>	\پایان ورودی
<code>\endlastfoot</code>	\پایان آخرین پا
<code>\enlargethispage</code>	\گسترش این صفحه
<code>\endline</code>	\ته سطر
<code>\endlinechar</code>	\نویسه ته سطر
<code>\enspace</code>	\ان دوری
<code>\enskip</code>	\ان فاصله
<code>\eqcommand</code>	\فرمان جانشین
<code>\eqenvironment</code>	\محیط جانشین
<code>\eqref</code>	\ارجاع فر
<code>\errhelp</code>	\کمک خطا
<code>\errmessage</code>	\پیام خطا

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\errorcontextlines</code>	<code>\سطرمتن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>
<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\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>\بگسترپس 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>\کادربا</code>
<code>\fboxrule</code>	<code>\ضخامت کادربا</code>
<code>\fboxsep</code>	<code>\حاشیه کادربا</code>
<code>\fcolorbox</code>	<code>\کادربارنگ</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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\fontencoding</code>	<code>\رمزبنه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>
<code>\fontseries</code>	<code>\شمایل قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیرنویس</code>
<code>\footnote</code>	<code>\زیرنویس</code>
<code>\footnotemark</code>	<code>\علامت زیرنویس</code>
<code>\footnoterule</code>	<code>\خط زیرنویس</code>
<code>\footnotesep</code>	<code>\فاصله تازیرنویس</code>
<code>\footnotesize</code>	<code>\اندازه زیرنویس</code>
<code>\footnotetext</code>	<code>\متن زیرنویس</code>
<code>\footskip</code>	<code>\فاصله تا پایین صفحه</code>
<code>\frame</code>	<code>\فریم</code>
<code>\framebox</code>	<code>\کادر با خط</code>
<code>\frenchspacing</code>	<code>\فواصل یکنواخت لاتین</code>
<code>\frontmatter</code>	<code>\مطلب پیش</code>
<code>\futurelet</code>	<code>\بعدبگذار</code>
<code>\@gobble</code>	<code>\@خور حریصانه</code>
<code>\@gobbletwo</code>	<code>\@خور حریصانه دو</code>
<code>\@gobblefour</code>	<code>\@خور حریصانه چهار</code>
<code>\@gtempa</code>	<code>\@عاققت آ</code>
<code>\@gtempb</code>	<code>\@عاققت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعاریف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقیره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شکن</code>
<code>\graphpaper</code>	<code>\کاغذگراف</code>
<code>\guillemotleft</code>	<code>\گیومه چپ</code>
<code>\guillemotright</code>	<code>\گیومه راست</code>
<code>\guilsinglleft</code>	<code>\گیومه تکی چپ</code>
<code>\guilsinglright</code>	<code>\گیومه تکی راست</code>
<code>\halign</code>	<code>\ردیف</code>

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعداز سطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</code>
<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>\سریه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پیرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزافقی</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>\پر خط</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 دو</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 ترشدنی</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>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
\@ifundefined	\@گر تعریف نشده
\if	\گر
\if@tempswa	\@سواقت آ
\ifcase	\گرانواع
\ifcat	\گررده
\ifdefined	\گر تعریف شده
\ifdim	\گر بعد
\ifeof	\گر ته پرونده
\iff	\گرر
\iffalse	\گر نادرست
\IfFileExists	\گر پرونده موجود
\ifhbox	\گر کادرا
\ifhmode	\گر حالتا
\ifinner	\گر درونی
\ifmmode	\گر حالت ریاضی
\ifnum	\گر عدد
\ifodd	\گر فرد
\ifthenelse	\گر آنگاه دیگر
\iftrue	\گر درست
\ifvbox	\گر کادرو
\ifvmode	\گر حالتو
\ifvoid	\گر تهی
\ifx	\گر تام
\ignorespaces	\فاصله خالی را ندیده بگیر
\immediate	\فوری
\include	\شامل
\includegraphics	\درج تصویر
\includeonly	\مشمولین
\indent	\تورفتگی
\index	\در نمایه
\indexentry	\استعلام
\indexname	\عنوان نمایه
\indexspace	\فاصله رهنما
\input	\ورودی
\InputIfFileExists	\ورود پرونده گر موجود
\inputlineno	\شماره سطر ورودی
\insert	\درج
\insertpenalties	\جریمه درج
\interfootnotelinepenalty	\جریمه بین سطرهای زیرنویس
\interdisplaylinepenalty	\جریمه بین سطرهای نمایش

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\interlinepenalty</code>	<code>\جریمه بین سطرها</code>
<code>\intertext</code>	<code>\متن داخلی</code>
<code>\intertextsep</code>	<code>\فاصله شناور در متن</code>
<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرار کن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلپ</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کد کوچک</code>
<code>\ldots</code>	<code>\نقاط</code>
<code>\leaders</code>	<code>\نشانه گر</code>
<code>\leavevmode</code>	<code>\ترکو</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تاچپ</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>\سطر شکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حدفاصله 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 بندلیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه باگزینه</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 بیابین</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 زار یک</code>
<code>\@Mii</code>	<code>\@ده زار دو</code>
<code>\@Miii</code>	<code>\@ده زار سه</code>
<code>\@Miv</code>	<code>\@ده زار چهار</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

\@MM	\بیس@زار
\m@ne	\من@a
\mag	\بزرگ‌نمایی
\magstep	\گام
\magstephalf	\نیم‌گام
\mainmatter	\مطلب اصلی
\makeatletter	\ات حرف
\makeatother	\ات دیگر
\makebox	\کادر بی خط
\makeglossary	\ساخت فرهنگ
\makeindex	\تهیه نمایه
\makelabel	\ساخت برچسب
\makelabels	\ساخت برچسب‌ها
\MakeLowercase	\ساخت حروف کوچک
\maketitle	\عنوان ساز
\MakeUppercase	\ساخت حروف بزرگ
\marginpar	\در حاشیه
\marginparpush	\فاصله دو حاشیه
\marginparsep	\فاصله تا حاشیه
\marginparwidth	\پهنای حاشیه
\mark	\علامت
\markboth	\علامت در دو طرف
\markright	\علامت در راست
\mathaccent	\اعراب ریاضی
\mathchar	\نویسه ریاضی
\mathchardef	\تعریف نویسه ریاضی
\mathcode	\کد ریاضی
\mathrm	\ریاضی رومن
\maxdeadcycles	\حداکثر تکرار
\maxdepth	\حداکثر عمق صفحه
\maxdimen	\بعد بیشین
\mbox	\کادر بی
\mdseries	\شمایل نازک
\meaning	\معنا
\mediumseries	\نازک
\medmuskip	\فاصله متوسط ریاضی
\medskip	\پریش متوسط
\medskipamount	\مقدار پریش متوسط
\medspace	\فضای متوسط
\message	\پیام

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\MessageBreak</code>	<code>\پیامشکن</code>
<code>\minrowclearance</code>	<code>\حدافقل فاصله ردیف</code>
<code>\mkern</code>	<code>\دوری ریاضی</code>
<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال بر راست</code>
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری @ ضی</code>
<code>\multicolumn</code>	<code>\چندستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چندادغام</code>
<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\یک @</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>
<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 نشکستنی</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>\سطر نشکن</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>\حدفاصله 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>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
\@oddhead	\بالای صفحه فرد
\@outeqntrue	\شماره بیرون درست
\@outeqnfalse	\شماره بیرون نادرست
\obeylines	\سطر به سطر
\obeyspaces	\فضا فعال
\oddsidemargin	\حاشیه فرد
\offinterlineskip	\سطوری فاصله
\omit	\حذف
\@onlypreamble	\@تنهادر پیش در آمد
\onecolumn	\یک ستون
\onlynotes	\تنها یادداشت ها
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\بیرونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefillllstretch	\کشش پرر صفحه
\pagefillstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشرده گی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>
<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\کادر پار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سربند</code>
<code>\parsep</code>	<code>\فاصله بندلیست</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 حدبدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایشه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبات الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
\@outputpagerestore	\@ باز آیی خروج صفحه
\radical	\رادیکال
\raggedbottom	\پایین بی تنظیم
\raggedleft	\تنظیم از راست
\raggedright	\تنظیم از چپ
\raise	\انتقال بی بالا
\raisebox	\بالا بر
\raisetag	\ترفیع اتیکت
\rangle	\زاویه ر
\rceil	\سقف ر
\read	\بخوان
\ref	\ارجوع
\reflectbox	\کادر قرینه
\refname	\عنوان مراجع
\refstepcounter	\گام شماره نده مرجع
\relax	\راحت
\removelastskip	\رفع آخرین فاصله
\renewcommand	\فرمان از نو
\renewenvironment	\محیط از نو
\repeat	\از نو
\RequirePackage	\سبک مورد نیاز
\RequirePackageWithOptions	\سبک مورد نیاز با گزینه
\resizebox	\کادر کشیده
\reversemarginpar	\در حاشیه معکوس
\rfloor	\کف ر
\right	\راست
\rightmargin	\حاشیه راست
\rightmark	\علامت راست
\rightpageskip	\کادر تار راست
\rightskip	\فاصله انتهای سطر
\rmdefault	\رومن عادی
\rmfamily	\فامیل رومن
\Roman	\رومن بزرگ
\roman	\رومن کوچک
\romannumeral	\عدد رومی
\rotatebox	\کادر چرخان
\rowcolor	\رنگ ردیف
\rule	\خط
\@secondoftwo	\@ دومی از دو
\@spaces	\@ فضاها

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scriptstyle</code>	<code>\سبک ته نوشت</code>
<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>\در کادر</code>
<code>\setcounter</code>	<code>\مقدار شماره نده</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 بعدیه اندازه</code>
<code>\sfcode</code>	<code>\کد ضرب 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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\simplefontmode</code>	\حالت ساده قلم
<code>\sift@n</code>	\شانزد@
<code>\skewchar</code>	\نویسه اریب
<code>\skip</code>	\فاصله
<code>\skip@</code>	\فاصل@
<code>\skipdef</code>	\تعریف فاصله
<code>\sl</code>	\خوابیده
<code>\sldefault</code>	\پیش فرض خو
<code>\slshape</code>	\شکل خوابیده
<code>\sloppy</code>	\راحت چین
<code>\slshape</code>	\شمایل خو
<code>\small</code>	\کوچک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatcode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حداکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیربند
<code>\subparagraph</code>	\زیرپاراگراف
<code>\subsection</code>	\زیرقسمت
<code>\substack</code>	\زیرپشته
<code>\subsubitem</code>	\زیرزیربند
<code>\subsubsection</code>	\زیرزیرقسمت
<code>\subset</code>	\زیرمجموعه
<code>\subseteq</code>	\زیرمجموعه مساوی
<code>\supereject</code>	\منتهای صفحه

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\suppressfloats</code>	<code>\حذف مکان شناور</code>
<code>\@tempa</code>	<code>\@موقت آ</code>
<code>\@tempb</code>	<code>\@موقت ب</code>
<code>\@tempc</code>	<code>\@موقت پ</code>
<code>\@tempd</code>	<code>\@موقت ت</code>
<code>\@tempe</code>	<code>\@موقت ث</code>
<code>\@tempboxa</code>	<code>\@کادرقت آ</code>
<code>\@tempcnta</code>	<code>\@شماقت آ</code>
<code>\@tempcntb</code>	<code>\@شماقت ب</code>
<code>\@tempdima</code>	<code>\@بعدقت آ</code>
<code>\@tempdimb</code>	<code>\@بعدقت ب</code>
<code>\@tempdimc</code>	<code>\@بعدقت پ</code>
<code>\@tempskipa</code>	<code>\@فاقت آ</code>
<code>\@tempskipb</code>	<code>\@فاقت ب</code>
<code>\@tempswafalse</code>	<code>\@سواقت آ نادرست</code>
<code>\@tempswatru</code>	<code>\@سواقت آ درست</code>
<code>\@temptokena</code>	<code>\@جزقت آ</code>
<code>\@thefnmark</code>	<code>\انگ زیرنویس</code>
<code>\@thirdofthree</code>	<code>\@سومی از سه</code>
<code>\tabbingsep</code>	<code>\فاصله جاگذاری</code>
<code>\tabcolsep</code>	<code>\فاصله بین ستونها</code>
<code>\tableofcontents</code>	<code>\فهرست مطالب</code>
<code>\tablename</code>	<code>\عنوان جدول</code>
<code>\tabskip</code>	<code>\فاصله ستونها</code>
<code>\tabularnewline</code>	<code>\ته سطر جدول</code>
<code>\tag</code>	<code>\اتیکت</code>
<code>\telephone</code>	<code>\تلفن</code>
<code>\TeX</code>	<code>\تک</code>
<code>\text</code>	<code>\متن</code>
<code>\textbullet</code>	<code>\گلوله متنی</code>
<code>\textfont</code>	<code>\قلم متن</code>
<code>\textemdash</code>	<code>\ام دش متنی</code>
<code>\textendash</code>	<code>\ان دش متنی</code>
<code>\textexclamdown</code>	<code>\تعجب وارونه متنی</code>
<code>\textperiodcentered</code>	<code>\نقطه وسط متنی</code>
<code>\textquestiondown</code>	<code>\سوال وارونه متنی</code>
<code>\textquotedblleft</code>	<code>\نقل چپ متنی دولا</code>
<code>\textquotedblright</code>	<code>\نقل راست متنی دولا</code>
<code>\textquoteleft</code>	<code>\نقل متنی چپ</code>
<code>\textquoteright</code>	<code>\نقل متنی راست</code>

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textvisiblespace</code>	\فضای نمایان متنی
<code>\textbackslash</code>	\شکافت پشت متنی
<code>\textbar</code>	\میله متنی
<code>\textgreater</code>	\بزرگ تر متنی
<code>\textless</code>	\کمتر متنی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدور متنی
<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 نویس متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خطها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خطها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancypage</code>	\این صفحه تجملی
<code>\thispagestyle</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\tiny</code>	<code>\ظریف</code>
<code>\time</code>	<code>\زمان</code>
<code>\times</code>	<code>\ضربدر</code>
<code>\title</code>	<code>\عنوان</code>
<code>\to</code>	<code>\به</code>
<code>\today</code>	<code>\امروز</code>
<code>\toks</code>	<code>\جزء</code>
<code>\toksdef</code>	<code>\تعریفجزء</code>
<code>\tolerance</code>	<code>\حدبدنمایی</code>
<code>\top</code>	<code>\بالا</code>
<code>\topfigrule</code>	<code>\خطبالایشناور</code>
<code>\topfraction</code>	<code>\نسبتبالا</code>
<code>\topmargin</code>	<code>\حاشیهبالا</code>
<code>\topmark</code>	<code>\علامتبالا</code>
<code>\toppageskip</code>	<code>\کادرتابالا</code>
<code>\topsep</code>	<code>\فاصلهبالایلیست</code>
<code>\topskip</code>	<code>\فاصلهبالا</code>
<code>\totalheight</code>	<code>\بلندایکل</code>
<code>\tracingall</code>	<code>\ردگیریکل</code>
<code>\tracingcommands</code>	<code>\ردگیریفرامین</code>
<code>\tracinglostchars</code>	<code>\ردگیریحروف</code>
<code>\tracingmacros</code>	<code>\ردگیریماکروها</code>
<code>\tracingonline</code>	<code>\ردگیرینمایشی</code>
<code>\tracingoutput</code>	<code>\ردگیریصفحهبندی</code>
<code>\tracingpages</code>	<code>\ردگیریصفحات</code>
<code>\tracingparagraphs</code>	<code>\ردگیریبندها</code>
<code>\tracingrestores</code>	<code>\ردگیریبازگردانی</code>
<code>\tracingstats</code>	<code>\ردگیریآمارها</code>
<code>\triangle</code>	<code>\مثلث</code>
<code>\ttdefault</code>	<code>\پیشفرضتایپ</code>
<code>\ttfamily</code>	<code>\فامیلتایپ</code>
<code>\tw@</code>	<code>\دو@</code>
<code>\twocolumn</code>	<code>\دوستون</code>
<code>\typein</code>	<code>\درنویس</code>
<code>\typeout</code>	<code>\برنویس</code>
<code>\uccode</code>	<code>\کدبزرگ</code>
<code>\uchyph</code>	<code>\تیره‌بندی‌بزرگ</code>
<code>\undefined</code>	<code>\تعریف‌نشده</code>
<code>\underline</code>	<code>\زیرخط</code>
<code>\unhbox</code>	<code>\بی‌کادرا</code>

Continued on next page

Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\unhcopy</code>	<code>\بی کپی ا</code>
<code>\unitlength</code>	<code>\واحد طول</code>
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\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>\پرز عمودی</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>\vrboxsep</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>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام‌بکن</code>
<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>\ترگع</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>\کادر‌اچپ</code>
<code>\hboxR</code>	<code>\کادر‌راست</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>\persianfont</code>	<code>\قلم‌پارسی</code>
<code>\PersianMathsDigits</code>	<code>\اعداد‌فرمولها‌پارسی</code>
<code>\plq</code>	<code>\علامت‌چپ‌نقل‌قول‌پارسی</code>
<code>\prq</code>	<code>\علامت‌راست‌نقل‌قول‌پارسی</code>

Continued on next page

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

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه

Continued on next page

Environment in L^AT_EX Equivalent Persian Environment

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

Continued on next page

Environment in L ^A T _E X	Equivalent Persian Environment
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

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

3.5 A Sample Input T_EX File

```

\documentclass{article}
\usepackage{xepersian}
\settextfont{XB Niloofar}
\title{یک سند نمونه}
\author{نام نویسنده}
\begin{document}
\maketitle
\tableofcontents
\part{عنوان بخش}
...
\section{عنوان قسمت}
...
\subsection{عنوان زیر قسمت}
...
\subsubsection{عنوان زیر زیر قسمت}
...
\end{document}

```

3.6 Font Commands

3.6.1 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. This command is compulsory and if you do not use it at least once, you will get error saying that you should choose a Persian font by using this command.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T_EX font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode and digits appear in their original form (Western).
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

3.6.2 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 Nastaliq 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.

3.6.3 Choosing Persian Sans Font

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

3.6.4 Choosing Persian Mono Font

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

3.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {<font name>}  
\iraniconfamily \textiranicon{<text>}
```

3.6.6 Choosing Persian Navar Font

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

3.6.7 Choosing Persian Pook Font

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

3.6.8 Choosing Persian Sayeh Font

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

3.6.9 Choosing Latin Sans Font

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

3.6.10 Choosing Latin Mono Font

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

4 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.

Warning: The commands `\Latin` and `\Persian` do not exist as of version 1.1.0

4.1 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.

4.2 Miscellaneous Commands

```
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

☞ `\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.

4.3 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.

4.4 Additional Counters

`XePersian` defines several additional counters to what already `LATEX` offers. These counters are `harfi`, `adadi`, and `tartibi`.

4.5 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 using this command, digits in math mode will appear in Persian form

and if you do not use this command at all, you will get default T_EX font for digits in math mode and digits appear in their original form (Western). The same is also true for `\setmathsfdigitfont`, and `\setmathttdigitfont`.

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

- ✎ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.
- ✎ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ✎ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

5 New Conditionals

5.1 Shell escape (or `writer8`) conditional

```
\ifwritexviii
  (material when Shell escape (or writer8) is enabled)
\else
  (material when Shell escape (or writer8) is not enabled)
\fi
```

6 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.

6.1 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.

6.1.1 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 `ا`, `ب`, 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 \TeX expressions, however the tokens $A, a, I, i, 1, \backslash, \mathcal{U}, \mathcal{T}$ must be inside a $\{\}$ group if they are not to be taken as special.

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

6.2 Index Generation

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

6.3 Converting Your Farsi \TeX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert Farsi \TeX files to XePersian or unicode. This program can be found in doc folder with the name `ftxe-0.11.py`. To convert your Farsi \TeX files to XePersian, put `ftxe-0.11.py` in the same directory that your Farsi \TeX file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.11.py file.ftx file.tex
```

This will convert your `file.ftx` (Farsi \TeX file) to `file.tex` (XePersian file).

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

```
python ftxe-0.11.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.

7 Extra Packages And Classes

7.1 Magazine Typesetting

7.1.1 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.

7.1.2 Usage

To create¹ a magazine just load the class as usual², with

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

at the beginning of your source file. The class options are described in [subsection 7.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsection 7.1.9](#).

7.1.3 Front Page

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

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments *<image>* and *<description>*. Notice that second argument is optional and it declares the image caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

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

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

```
\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.

¹For a sample file, please look at `magazine-sample.tex` in the doc folder

²You 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 3](#) of the documentation.

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

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

```
\thirdarticle
```

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

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

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

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

```
\indexitem
```

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

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

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsubsection 7.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

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

```
\weatheritem
```

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

```
\weatheritem{<image>}{<day-name>}{<max>}{<min>}{<short-des>}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), *<day-name>* like Monday, *<max>* and *<min>* are the highest and lowest day temperatures and *<short-des>*

is a brief description of the weather condition: partly cloudy, sunny and windy ...

7.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. xepersian-magazine arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsection 7.1.5](#), the `editorial` environment [subsection 7.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 7.1.7](#).

7.1.5 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{\langle author \rangle}{\langle place \rangle}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{\langle time \rangle}` 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 multicol package does not provide any float support for its multicol environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{<image>}{<description>}
```

```
\columntitle \expandedtitle
```

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

```
\columntitle{<type>}{<text>}  
\expandedtitle{<type>}{<text>}
```

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

7.1.6 The editorial environment

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

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

All arguments have the same meaning as article environment (see [subsubsection 7.1.5](#)).

7.1.7 The shortarticle environment

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

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

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

7.1.8 Commands between articles

```
\articlesep \newsection
```

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

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

7.1.9 Customization

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

7.1.10 Front Page

```
\customlogo \customminilogo \custommagazinename
```

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

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

```
\edition \editionformat
```

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

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

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

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

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

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

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

```
\pictureCaptionFormat \pagesFormat
```

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

7.1.11 Inside The Magazine

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

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

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

The `\timestamp` command described in [subsection 7.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

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

`\minraggedcols` `\raggedFormat`

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

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

`\heading` `\foot`

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

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

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

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

7.1.12 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.

7.2 Typesetting Multiple-choice Questions

7.2.1 Introduction

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

7.2.2 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.

7.2.3 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.

7.2.4 Creating Questions

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

```
\begin{question}{سؤال}  
\false ۱ جواب  
\true ۲ جواب  
\false ۳ جواب  
\false ۴ جواب  
\end{question}  
\begin{correction}  
جواب واقعی و علت اینکه این جواب، جواب واقعی هست  
\end{correction}
```

7.2.5 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.

7.2.6 Question Numbers

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

7.2.7 The Form and the Mask

```
\makeform \makemask
```

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

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of \LaTeX in order to get a correctly formatted document.

7.2.8 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.

7.2.9 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.

7.3 Customising The Package

7.3.1 The question environment

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

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

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

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

7.3.2 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.

7.3.3 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.

8 xepersian implementation

8.1 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}
```

8.2 algorithm-xepersian.def

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

8.3 amsart-xepersian.def

```
1 \ProvidesFile{amsart-xepersian.def}[2010/07/25 v0.2 adaptations for amsart class]
2 \renewcommand \thepart {\@tartibi\c@part}
3 \def\appendix{\par\c@section\z@ \c@subsection\z@
4 \let\sectionname\appendixname
5 \def\thesection{\@harfi\c@section}}
6 \long\def\@footnotetext#1{%
7 \begingroup
8 \setbox\footins
9 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
10 \interlinepenalty\interfootnotelinepenalty
11 \splittopskip\footnotesep
12 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
13 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
14 \bidi@footnotetext@dir{#1}%
15 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnmark
16 {\rule{\z@}{\footnotesep}\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par
17 \bidi@footnotetext@after
18 \insert\footins{\unvbox\footins}}%
19 \endgroup}
20 \long\def\@RTLfootnotetext#1{%
21 \begingroup
22 \setbox\footins
23 \vbox{\@RTLtrue\reset@font\footnotesize
24 \interlinepenalty\interfootnotelinepenalty
25 \splittopskip\footnotesep
26 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
27 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
28 \bidi@footnotetext@dir{#1}%
```

```

29 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnintext
30 {\rule{\z@}{\footnotesep}\ignorespaces\persianfont #1\unskip\strut\par}}%
31 \bidi@footnotetext@after
32 \insert\footins{\unvbox\footins}%
33 \endgroup}
34 \long\def\@LTRfootnotetext#1{%
35 \begingroup
36 \setbox\footins
37 \vbox{\@RTLfalse\reset@font\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep
40 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
41 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
42 \bidi@footnotetext@dir{#1}}%
43 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnintext
44 {\rule{\z@}{\footnotesep}\ignorespaces\latinfont #1\unskip\strut\par}}%
45 \bidi@footnotetext@after
46 \insert\footins{\unvbox\footins}%
47 \endgroup}

```

8.4 amsbook-xepersian.def

```

1 \ProvidesFile{amsbook-xepersian.def}[2010/07/25 v0.3 adaptations for amsbook class]
2 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
3 \renewcommand \thepart {\@tartibi\c@part}
4 \def\appendix{\par
5 \c@chapter\z@ \c@section\z@
6 \let\chaptername\appendixname
7 \def\thechapter{\@harfi\c@chapter}}
8 \long\def\@footnotetext#1{%
9 \begingroup
10 \setbox\footins
11 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
12 \interlinepenalty\interfootnotelinepenalty
13 \splittopskip\footnotesep
14 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
15 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
16 \bidi@footnotetext@dir{#1}}%
17 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnintext
18 {\rule{\z@}{\footnotesep}\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}%
19 \bidi@footnotetext@after
20 \insert\footins{\unvbox\footins}%
21 \endgroup}
22 \long\def\@RTLfootnotetext#1{%
23 \begingroup
24 \setbox\footins
25 \vbox{\@RTLtrue\reset@font\footnotesize
26 \interlinepenalty\interfootnotelinepenalty
27 \splittopskip\footnotesep
28 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM

```

```

29 \hspace\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
30 \bidi@footnotetext@dir{#1}%
31 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
32 {\rule{\z@}{\footnotesep}\ignorespaces\persianfont #1\unskip\strut\par}}%
33 \bidi@footnotetext@after
34 \insert\footins{\unvbox\footins}%
35 \endgroup}
36 \long\def\@LTRfootnotetext#1{%
37 \begingroup
38 \setbox\footins
39 \vbox{\@RTLfalse\reset@font\footnotesize
40 \interlinepenalty\interfootnotelinepenalty
41 \splittopskip\footnotesep
42 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
43 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
44 \bidi@footnotetext@dir{#1}%
45 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
46 {\rule{\z@}{\footnotesep}\ignorespaces\latinfont #1\unskip\strut\par}}%
47 \bidi@footnotetext@after
48 \insert\footins{\unvbox\footins}%
49 \endgroup}

```

8.5 article-xepersian.def

```

1 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
2 \renewcommand \thepart {\@tartibi\c@part}
3 \renewcommand\appendix{\par
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}}

```

8.6 artikel1-xepersian.def

```

1 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\appendix{\par
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}}

```

8.7 artikel2-xepersian.def

```

1 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\appendix{\par
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}}

```

8.8 artikel3-xepersian.def

```

1 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
2 \renewcommand*\thepart{\@tartibi\c@part}

```

```

3 \renewcommand*\appendix{\par
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}}

```

8.9 backref-xepersian.def

```

1 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
2 \def\backrefpagesname{\if@RTL else\ pages\fi}
3 \def\BR@Latincitex[#1]#2{%
4 \BRorg@Latincitex[#{#1}]{#2}%
5 \ifBR@verbose
6 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
7 \fi
8 \Hy@backout{#2}%
9 }
10 \AtBeginDocument{%
11 \@ifundefined{NAT@parse}{%
12 \global\let\BRorg@Latincitex\@Latincitex
13 \global\let\@Latincitex\BR@Latincitex
14 }{%
15 \@ifpackageloaded{hyperref}{%
16 \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
17 }%
18 \PackageInfo{backref}{** backref set up for natbib **}%
19 }%
20 }%

```

8.10 bidicode-xepersian.def

```

1 \ProvidesFile{bidicode-xepersian.def}[2010/07/25 v0.0 Persian captions for bidicode package]

```

8.11 bidimoderncv-xepersian.def

```

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

```

8.12 boek3-xepersian.def

```

1 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\frontmatter{%
4 \cleardoublepage
5 \@mainmatterfalse
6 \pagenumbering{harfi}}
7 \renewcommand*\appendix{\par
8 \setcounter{chapter}{0}%
9 \setcounter{section}{0}%
10 \gdef\@chapapp{\appendixname}%
11 \gdef\thechapter{\@harfi\c@chapter}}

```

8.13 boek-xepersian.def

```

1 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\frontmatter{%
4   \cleardoublepage
5   \@mainmatterfalse
6   \pagenumbering{harfi}}
7 \renewcommand*\appendix{\par
8   \setcounter{chapter}{0}%
9   \setcounter{section}{0}%
10  \gdef\@chapapp{\appendixname}%
11  \gdef\thechapter{\@harfi\c@chapter}}

```

8.14 bookest-xepersian.def

```

1 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
2 \renewcommand \thepart {\@tartibi\c@part}
3 \renewcommand\appendix{\par
4   \setcounter{chapter}{0}%
5   \setcounter{section}{0}%
6   \gdef\@chapapp{\appendixname}%
7   \gdef\thechapter{\@harfi\c@chapter}
8 }%end appendix

```

8.15 book-xepersian.def

```

1 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
2 \renewcommand\frontmatter{%
3   \cleardoublepage
4   \@mainmatterfalse
5   \pagenumbering{harfi}}
6 \renewcommand \thepart {\@tartibi\c@part}
7 \renewcommand\appendix{\par
8   \setcounter{chapter}{0}%
9   \setcounter{section}{0}%
10  \gdef\@chapapp{\appendixname}%
11  \gdef\thechapter{\@harfi\c@chapter}
12 }%end appendix

```

8.16 breqn-xepersian.def

```

1 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
2 \def\@dmath[#1]{\ifRTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
3   \everydisplay\expandafter{\the\everydisplay \display@setup}%
4   \ifnoskipsec \leavevmode \fi
5   \ifinlabel \leavevmode \global\@inlabelfalse \fi
6   \if@eq@group\else\eq@prelim\fi
7   \setkeys{breqn}{#1}%
8   \the\eqstyle
9   \eq@setnumber
10  \begingroup
11  \eq@setup@a
12  \eq@startup

```

```

13 }
14 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
15 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
16 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
17 \global\let\GRP@label\@empty
18 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
19 \global\grp@linewidth\z@\global\grp@wdNum\z@
20 \global\let\grp@eqs@numbered\@False
21 \global\let\grp@aligned\@True
22 \global\let\grp@shiftnumber\@False
23 \eq@prelim
24 \setkeys{breqn}{#1}%
25 \if\grp@hasNumber \grp@setnumber \fi
26 }
27 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
28 \let\display@setup\dseries@display@setup
29 % Question: should this be the default for dseries???
30 \global\eq@wdCond\z@
31 \@dmath[layout={M},#1]%
32 \mathsurround\z@\@math \penalty\@Mi
33 \let\endmath\ends@math
34 \def\premath{%
35 \ifdim\lastskip<.3em \unskip
36 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
37 }%
38 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
39 \ignorespaces
40 }

```

8.17 commands-ltx.def

```

1 \ProvidesFile{commands-ltx.def}[2010/07/25 v0.2 Persian localisation of LaTeX2e commands]
2 \eqcommand{ }{@arstrut}
3 \eqcommand{ }{above}
4 \eqcommand{ }{abovedisplayshortskip}
5 \eqcommand{ }{abovedisplayskip}
6 \eqcommand{ }{abstractname}
7 \eqcommand{ }{accent}
8 \eqcommand{ }{active}
9 \eqcommand{ }{addcontentsline}
10 \eqcommand{ }{addpenalty}
11 \eqcommand{ }{address}
12 \eqcommand{ }{addtocontents}
13 \eqcommand{ }{addtocounter}
14 \eqcommand{ }{addtolength}
15 \eqcommand{ }{addvspace}
16 \eqcommand{ }{adjdemerits}
17 \eqcommand{ }{advance}
18 \eqcommand{ }{afterassignment}
19 \eqcommand{ }{aftergroup}

```



```

20 \eqcommand{ }{aleph}
21 \eqcommand{ }{aliasfontfeature}
22 \eqcommand{ }{aliasfontfeatureoption}
23 \eqcommand{ }{allowbreak}
24 \eqcommand{ @}{alloc@}
25 \eqcommand{ }{allocationnumber}
26 \eqcommand{ }{allowdisplaybreaks}
27 \eqcommand{ }{Alph}
28 \eqcommand{ }{alph}
29 \eqcommand{ }{alsoname}
30 \eqcommand{ }{and}
31 \eqcommand{ }{angle}
32 \eqcommand{ }{appendixname}
33 \eqcommand{ }{approx}
34 \eqcommand{ }{arabic}
35 \eqcommand{ }{arg}
36 \eqcommand{ }{arrayrulecolor}
37 \eqcommand{ }{arraycolsep}
38 \eqcommand{ }{arrayrulewidth}
39 \eqcommand{ }{arraystretch}
40 \eqcommand{ }{AtBeginDocument}
41 \eqcommand{ }{AtEndDocument}
42 \eqcommand{ }{AtEndOfClass}
43 \eqcommand{ }{AtEndOfPackage}
44 \eqcommand{ }{author}
45 \eqcommand{ }{backmatter}
46 \eqcommand{ }{backslash}
47 \eqcommand{ }{badness}
48 \eqcommand{ }{bar}
49 \eqcommand{ }{baselineskip}
50 \eqcommand{ }{baselinestretch}
51 \eqcommand{ }{batchmode}
52 \eqcommand{ }{begin}
53 \eqcommand{ }{beginL}
54 \eqcommand{ }{beginR}
55 \eqcommand{ }{begingroup}
56 \eqcommand{ }{belowdisplayshortskip}
57 \eqcommand{ }{belowdisplayskip}
58 \eqcommand{ }{bf}
59 \eqcommand{ }{bfdefault}
60 \eqcommand{ }{bfseries}
61 \eqcommand{ }{bgroup}
62 \eqcommand{ }{bibitem}
63 \eqcommand{ }{bibliography}
64 \eqcommand{ }{bibliographystyle}
65 \eqcommand{ }{bibname}
66 \eqcommand{ }{bigskip}
67 \eqcommand{ }{bigskipamount}
68 \eqcommand{ }{botfigrule}
69 \eqcommand{ }{botmark}

```

```

70 \eqcommand{      }{bottompageskip}
71 \eqcommand{      }{bottomfraction}
72 \eqcommand{ }{box}
73 \eqcommand{      }{boxmaxdepth}
74 \eqcommand{ }{break}
75 \eqcommand{ }{bullet}
76 \eqcommand{ @ }{@cclv}
77 \eqcommand{ @ }{@cclvi}
78 \eqcommand{ }{caption}
79 \eqcommand{ }{catcode}
80 \eqcommand{ }{cc}
81 \eqcommand{      }{ccname}
82 \eqcommand{ }{cdot}
83 \eqcommand{ }{cdots}
84 \eqcommand{      }{centering}
85 \eqcommand{ }{centerline}
86 \eqcommand{ @ }{ch@ck}
87 \eqcommand{ }{chapter}
88 \eqcommand{      }{chaptername}
89 \eqcommand{ }{char}
90 \eqcommand{      }{chardef}
91 \eqcommand{      }{CheckCommand}
92 \eqcommand{ }{cite}
93 \eqcommand{      }{ClassError}
94 \eqcommand{      }{ClassInfo}
95 \eqcommand{      }{ClassWarning}
96 \eqcommand{      }{ClassWarningNoLine}
97 \eqcommand{      }{cleaders}
98 \eqcommand{      }{cleardoublepage}
99 \eqcommand{      }{clearpage}
100 \eqcommand{ }{cline}
101 \eqcommand{      }{closein}
102 \eqcommand{      }{closeout}
103 \eqcommand{ }{closing}
104 \eqcommand{      }{clubpenalty}
105 \eqcommand{ }{clubsuit}
106 \eqcommand{      }{colbotmark}
107 \eqcommand{      }{colfirstmark}
108 \eqcommand{ }{color}
109 \eqcommand{      }{colorbox}
110 \eqcommand{      }{coltopmark}
111 \eqcommand{      }{columncolor}
112 \eqcommand{      }{columnsep}
113 \eqcommand{      }{columnwidth}
114 \eqcommand{      }{columnseprule}
115 \eqcommand{      }{contentsline}
116 \eqcommand{      }{contentsname}
117 \eqcommand{ }{copy}
118 \eqcommand{      }{copyright}
119 \eqcommand{      }{count}

```

```

120 \eqcommand{ @}{count@}
121 \eqcommand{ }{countdef}
122 \eqcommand{ }{cr}
123 \eqcommand{ }{crr}
124 \eqcommand{ }{csname}
125 \eqcommand{ }{CurrentOption}
126 \eqcommand{ }{dashbox}
127 \eqcommand{ }{dashv}
128 \eqcommand{@ }{@date}
129 \eqcommand{ }{date}
130 \eqcommand{ }{day}
131 \eqcommand{ }{dblbotfigrule}
132 \eqcommand{ }{dblbottomfraction}
133 \eqcommand{ }{dblfigrule}
134 \eqcommand{ }{dblfloatpagefraction}
135 \eqcommand{ }{dblfloatsep}
136 \eqcommand{ }{dblftntlocatcode}
137 \eqcommand{ }{dbltextfloatsep}
138 \eqcommand{ }{dbltopfraction}
139 \eqcommand{ }{DeclareFixedFont}
140 \eqcommand{ }{DeclareGraphicsExtensions}
141 \eqcommand{ }{DeclareGraphicsRule}
142 \eqcommand{ }{DeclareOldFontCommand}
143 \eqcommand{ }{DeclareOption}
144 \eqcommand{ }{DeclareRobustCommand}
145 \eqcommand{ }{DeclareSymbolFont}
146 \eqcommand{ }{deadcycles}
147 \eqcommand{ }{def}
148 \eqcommand{ }{definecolor}
149 \eqcommand{ }{deg}
150 \eqcommand{ }{delcode}
151 \eqcommand{ }{delimiter}
152 \eqcommand{ }{delimiterfactor}
153 \eqcommand{ }{depth}
154 \eqcommand{ }{diamondsuit}
155 \eqcommand{ }{dim}
156 \eqcommand{ }{dimen}
157 \eqcommand{ @}{dimen@}
158 \eqcommand{ @ }{dimen@i}
159 \eqcommand{ @ }{dimen@ii}
160 \eqcommand{ }{dimendef}
161 \eqcommand{ }{discretionary}
162 \eqcommand{ }{displaybreak}
163 \eqcommand{ }{displayindent}
164 \eqcommand{ }{displaystyle}
165 \eqcommand{ }{displaywidth}
166 \eqcommand{ }{divide}
167 \eqcommand{ }{documentclass}
168 \eqcommand{ }{do}
169 \eqcommand{ }{dospecials}

```

```

170 \eqcommand{ }{dot}
171 \eqcommand{ }{doteq}
172 \eqcommand{ }{dotfill}
173 \eqcommand{ }{dots}
174 \eqcommand{ }{doublebox}
175 \eqcommand{ }{doublerulesepcolor}
176 \eqcommand{ }{doublerulesep}
177 \eqcommand{ }{downarrow}
178 \eqcommand{ }{dp}
179 \eqcommand{ }{dump}
180 \eqcommand{ }{edef}
181 \eqcommand{ }{egroup}
182 \eqcommand{ }{eject}
183 \eqcommand{ }{else}
184 \eqcommand{ }{em}
185 \eqcommand{ }{emergencystretch}
186 \eqcommand{ }{emph}
187 \eqcommand{@ }{@empty}
188 \eqcommand{ }{empty}
189 \eqcommand{ }{emptyset}
190 \eqcommand{ }{end}
191 \eqcommand{ }{endL}
192 \eqcommand{ }{endR}
193 \eqcommand{ }{endcsname}
194 \eqcommand{ }{endfirsthead}
195 \eqcommand{ }{endfoot}
196 \eqcommand{ }{endgraf}
197 \eqcommand{ }{endgroup}
198 \eqcommand{ }{endhead}
199 \eqcommand{ }{endinput}
200 \eqcommand{ }{endlastfoot}
201 \eqcommand{ }{enlargethispage}
202 \eqcommand{ }{endline}
203 \eqcommand{ }{endlinechar}
204 \eqcommand{ }{enspace}
205 \eqcommand{ }{enskip}
206 \eqcommand{ }{eqcommand}
207 \eqcommand{ }{eqenvironment}
208 \eqcommand{ }{eqref}
209 \eqcommand{ }{errhelp}
210 \eqcommand{ }{errmessage}
211 \eqcommand{ }{errorcontextlines}
212 \eqcommand{ }{errorstopmode}
213 \eqcommand{ }{escapechar}
214 \eqcommand{ }{euro}
215 \eqcommand{ }{evensidemargin}
216 \eqcommand{ }{everycr}
217 \eqcommand{ }{everydisplay}
218 \eqcommand{ }{everyhbox}
219 \eqcommand{ }{everyjob}

```

```

220 \eqcommand{    }{everymath}
221 \eqcommand{    }{everypar}
222 \eqcommand{    }{everyvbox}
223 \eqcommand{    }{ExecuteOptions}
224 \eqcommand{    }{exhyphenpenalty}
225 \eqcommand{    }{expandafter}
226 \eqcommand{    }{extracolsep}
227 \eqcommand{@    }{@firstofone}
228 \eqcommand{@    }{@firstoftwo}
229 \eqcommand{ @ }{f@ur}
230 \eqcommand{    }{fam}
231 \eqcommand{    }{fancy page}
232 \eqcommand{    }{fbox}
233 \eqcommand{    }{fboxrule}
234 \eqcommand{    }{fboxsep}
235 \eqcommand{    }{fcolorbox}
236 \eqcommand{ }{fi}
237 \eqcommand{    }{figurename}
238 \eqcommand{    }{filbreak}
239 \eqcommand{ }{fill}
240 \eqcommand{    }{firstmark}
241 \eqcommand{ }{flat}
242 \eqcommand{    }{floatpagefraction}
243 \eqcommand{    }{floatingpenalty}
244 \eqcommand{    }{floatsep}
245 \eqcommand{    }{flushbottom}
246 \eqcommand{    }{fmtname}
247 \eqcommand{    }{fmtversion}
248 \eqcommand{    }{fnsymbol}
249 \eqcommand{ }{font}
250 \eqcommand{    }{fontdimen}
251 \eqcommand{    }{fontencoding}
252 \eqcommand{    }{fontfamily}
253 \eqcommand{    }{fontname}
254 \eqcommand{    }{fontseries}
255 \eqcommand{    }{fontshape}
256 \eqcommand{    }{fontsize}
257 \eqcommand{    }{footheight}
258 \eqcommand{    }{footins}
259 \eqcommand{    }{footnote}
260 \eqcommand{    }{footnotemark}
261 \eqcommand{    }{footnoterule}
262 \eqcommand{    }{footnotesep}
263 \eqcommand{    }{footnotesize}
264 \eqcommand{    }{footnotetext}
265 \eqcommand{    }{footskip}
266 \eqcommand{ }{frame}
267 \eqcommand{    }{framebox}
268 \eqcommand{    }{frenchspacing}
269 \eqcommand{    }{frontmatter}

```

```

270 \eqcommand{ }{futurelet}
271 \eqcommand{@ }{@gobble}
272 \eqcommand{@ }{@gobbletwo}
273 \eqcommand{@ }{@gobblefour}
274 \eqcommand{@ }{@gtempa}
275 \eqcommand{@ }{@gtempb}
276 \eqcommand{ }{gdef}
277 \eqcommand{ }{GenericInfo}
278 \eqcommand{ }{GenericWarning}
279 \eqcommand{ }{GenericError}
280 \eqcommand{ }{global}
281 \eqcommand{ }{globaldefs}
282 \eqcommand{ }{glossary}
283 \eqcommand{ }{glossaryentry}
284 \eqcommand{ }{goodbreak}
285 \eqcommand{ }{graphpaper}
286 \eqcommand{ }{guillemotleft}
287 \eqcommand{ }{guillemotright}
288 \eqcommand{ }{guilsinglleft}
289 \eqcommand{ }{guilsinglright}
290 \eqcommand{ }{halign}
291 \eqcommand{ }{hang}
292 \eqcommand{ }{hangafter}
293 \eqcommand{ }{hangindent}
294 \eqcommand{ }{hbadness}
295 \eqcommand{ }{hbox}
296 \eqcommand{ }{headheight}
297 \eqcommand{ }{headsep}
298 \eqcommand{ }{headtoname}
299 \eqcommand{ }{heartsuit}
300 \eqcommand{ }{height}
301 \eqcommand{ }{hfill}
302 \eqcommand{ }{hfill}
303 \eqcommand{ }{hfilneg}
304 \eqcommand{ }{hfuzz}
305 \eqcommand{ }{hideskip}
306 \eqcommand{ }{hidewidth}
307 \eqcommand{ }{hline}
308 \eqcommand{ }{hoffset}
309 \eqcommand{ }{holdinginserts}
310 \eqcommand{ }{hrboxsep}
311 \eqcommand{ }{hrule}
312 \eqcommand{ }{hrulefill}
313 \eqcommand{ }{hsize}
314 \eqcommand{ }{hskip}
315 \eqcommand{ }{hspace}
316 \eqcommand{ }{hss}
317 \eqcommand{ }{ht}
318 \eqcommand{ }{huge}
319 \eqcommand{ }{Huge}

```

```

320 \eqcommand{      }{hyperlink}
321 \eqcommand{      }{hypersetup}
322 \eqcommand{      }{hypertarget}
323 \eqcommand{      }{hyphenation}
324 \eqcommand{      }{hyphenchar}
325 \eqcommand{      }{hyphenpenalty}
326 \eqcommand{@      }{@ifclassloaded}
327 \eqcommand{@      }{@ifdefinable}
328 \eqcommand{@      }{@ifnextchar}
329 \eqcommand{@      }{@ifpackageloaded}
330 \eqcommand{@      }{@ifstar}
331 \eqcommand{@      }{@ifundefined}
332 \eqcommand{ }{if}
333 \eqcommand{ @ }{if@tempwa}
334 \eqcommand{   }{ifcase}
335 \eqcommand{   }{ifcat}
336 \eqcommand{   }{ifdefined}
337 \eqcommand{   }{ifdim}
338 \eqcommand{   }{ifeof}
339 \eqcommand{   }{iff}
340 \eqcommand{   }{iffalse}
341 \eqcommand{   }{IfFileExists}
342 \eqcommand{   }{ifhbox}
343 \eqcommand{   }{ifhmode}
344 \eqcommand{   }{ifinner}
345 \eqcommand{   }{ifmmode}
346 \eqcommand{   }{ifnum}
347 \eqcommand{   }{ifodd}
348 \eqcommand{   }{ifthenelse}
349 \eqcommand{   }{iftrue}
350 \eqcommand{   }{ifvbox}
351 \eqcommand{   }{ifvmode}
352 \eqcommand{   }{ifvoid}
353 \eqcommand{   }{ifx}
354 \eqcommand{   }{ignorespaces}
355 \eqcommand{   }{immediate}
356 \eqcommand{   }{include}
357 \eqcommand{   }{includegraphics}
358 \eqcommand{   }{includeonly}
359 \eqcommand{   }{indent}
360 \eqcommand{   }{index}
361 \eqcommand{   }{indexentry}
362 \eqcommand{   }{indexname}
363 \eqcommand{   }{indexspace}
364 \eqcommand{   }{input}
365 \eqcommand{   }{InputIfFileExists}
366 \eqcommand{   }{inputlineno}
367 \eqcommand{   }{insert}
368 \eqcommand{   }{insertpenalties}
369 \eqcommand{   }{interfootnotelinepenalty}

```

```

370 \eqcommand{           }{interdisplaylinepenalty}
371 \eqcommand{           }{interlinepenalty}
372 \eqcommand{           }{intertext}
373 \eqcommand{           }{intertextsep}
374 \eqcommand{ }{invisible}
375 \eqcommand{           }{itdefault}
376 \eqcommand{           }{itshape}
377 \eqcommand{ }{item}
378 \eqcommand{           }{itemindent}
379 \eqcommand{           }{itemsep}
380 \eqcommand{           }{iterate}
381 \eqcommand{           }{itshape}
382 \eqcommand{           }{jobname}
383 \eqcommand{ }{jot}
384 \eqcommand{ }{kern}
385 \eqcommand{ }{kill}
386 \eqcommand{ }{label}
387 \eqcommand{           }{labelenumi}
388 \eqcommand{           }{labelenumii}
389 \eqcommand{           }{labelenumiii}
390 \eqcommand{           }{labelenumiv}
391 \eqcommand{           }{labelitemi}
392 \eqcommand{           }{labelitemii}
393 \eqcommand{           }{labelitemiii}
394 \eqcommand{           }{labelitemiv}
395 \eqcommand{           }{labelsep}
396 \eqcommand{           }{labelwidth}
397 \eqcommand{ }{language}
398 \eqcommand{ }{large}
399 \eqcommand{ }{Large}
400 \eqcommand{ }{LARGE}
401 \eqcommand{ }{lastbox}
402 \eqcommand{ }{lastkern}
403 \eqcommand{           }{lastpenalty}
404 \eqcommand{           }{lastskip}
405 \eqcommand{ }{LaTeX}
406 \eqcommand{ }{LaTeXe}
407 \eqcommand{           }{lccode}
408 \eqcommand{           }{ldots}
409 \eqcommand{           }{leaders}
410 \eqcommand{ }{leavevmode}
411 \eqcommand{ }{left}
412 \eqcommand{           }{leftmargin}
413 \eqcommand{           }{leftmargini}
414 \eqcommand{           }{leftmarginii}
415 \eqcommand{           }{leftmarginiii}
416 \eqcommand{           }{leftmarginiv}
417 \eqcommand{           }{leftmarginv}
418 \eqcommand{           }{leftmarginvi}
419 \eqcommand{           }{leftmark}

```



```

420 \eqcommand{    }{leftpageskip}
421 \eqcommand{    }{leftskip}
422 \eqcommand{    }{let}
423 \eqcommand{    }{line}
424 \eqcommand{    }{linebreak}
425 \eqcommand{    }{linepenalty}
426 \eqcommand{    }{lineskip}
427 \eqcommand{    }{lineskiplimit}
428 \eqcommand{    }{linespread}
429 \eqcommand{    }{linethickness}
430 \eqcommand{    }{linewidth}
431 \eqcommand{    }{listfigurename}
432 \eqcommand{    }{listfiles}
433 \eqcommand{    }{listoffigures}
434 \eqcommand{    }{listoftables}
435 \eqcommand{    }{listparindent}
436 \eqcommand{    }{listtablename}
437 \eqcommand{    }{LoadClass}
438 \eqcommand{    }{LoadClassWithOptions}
439 \eqcommand{    }{location}
440 \eqcommand{    }{long}
441 \eqcommand{    }{loop}
442 \eqcommand{    }{looseness}
443 \eqcommand{    }{lower}
444 \eqcommand{@    }{@makeother}
445 \eqcommand{@    }{@m}
446 \eqcommand{ @    }{@M}
447 \eqcommand{ @    }{@Mi}
448 \eqcommand{ @    }{@Mii}
449 \eqcommand{ @    }{@Miii}
450 \eqcommand{ @    }{@Miv}
451 \eqcommand{ @    }{@MM}
452 \eqcommand{ @    }{@mOne}
453 \eqcommand{    }{mag}
454 \eqcommand{    }{magstep}
455 \eqcommand{    }{magstephalf}
456 \eqcommand{    }{mainmatter}
457 \eqcommand{    }{makeatletter}
458 \eqcommand{    }{makeatother}
459 \eqcommand{    }{makebox}
460 \eqcommand{    }{makeglossary}
461 \eqcommand{    }{makeindex}
462 \eqcommand{    }{makelabel}
463 \eqcommand{    }{makelabels}
464 \eqcommand{    }{MakeLowercase}
465 \eqcommand{    }{maketitle}
466 \eqcommand{    }{MakeUppercase}
467 \eqcommand{    }{marginpar}
468 \eqcommand{    }{marginparpush}
469 \eqcommand{    }{marginparsep}

```

```

470 \eqcommand{      }{marginparwidth}
471 \eqcommand{    }{mark}
472 \eqcommand{      }{markboth}
473 \eqcommand{      }{markright}
474 \eqcommand{      }{mathaccent}
475 \eqcommand{      }{mathchar}
476 \eqcommand{      }{mathchardef}
477 \eqcommand{    }{mathcode}
478 \eqcommand{    }{mathrm}
479 \eqcommand{    }{maxdeadcycles}
480 \eqcommand{    }{maxdepth}
481 \eqcommand{    }{maxdimen}
482 \eqcommand{    }{mbox}
483 \eqcommand{    }{mdseries}
484 \eqcommand{  }{meaning}
485 \eqcommand{  }{mediumseries}
486 \eqcommand{    }{medmuskip}
487 \eqcommand{    }{medskip}
488 \eqcommand{    }{medskipamount}
489 \eqcommand{    }{medspace}
490 \eqcommand{  }{message}
491 \eqcommand{    }{MessageBreak}
492 \eqcommand{    }{minrowclearance}
493 \eqcommand{    }{mkern}
494 \eqcommand{  }{month}
495 \eqcommand{    }{moveleft}
496 \eqcommand{    }{moveright}
497 \eqcommand{    }{mskip}
498 \eqcommand{ @ }{m@th}
499 \eqcommand{    }{multicolumn}
500 \eqcommand{  }{multiply}
501 \eqcommand{    }{multispan}
502 \eqcommand{    }{muskip}
503 \eqcommand{    }{muskipdef}
504 \eqcommand{@    }{@namedef}
505 \eqcommand{@    }{@nameuse}
506 \eqcommand{ @ }{@ne}
507 \eqcommand{  }{name}
508 \eqcommand{  }{natural}
509 \eqcommand{  }{nearrow}
510 \eqcommand{  }{narrower}
511 \eqcommand{    }{NeedsTeXFormat}
512 \eqcommand{  }{neg}
513 \eqcommand{    }{negmedspace}
514 \eqcommand{    }{negthickspace}
515 \eqcommand{    }{negthinspace}
516 \eqcommand{  }{newboolean}
517 \eqcommand{  }{newbox}
518 \eqcommand{  }{newcommand}
519 \eqcommand{  }{newcount}

```

```

520 \eqcommand{      }{newcounter}
521 \eqcommand{      }{newdimen}
522 \eqcommand{      }{newenvironment}
523 \eqcommand{      }{newfam}
524 \eqcommand{      }{newfont}
525 \eqcommand{      }{newhelp}
526 \eqcommand{      }{newinsert}
527 \eqcommand{      }{newlabel}
528 \eqcommand{      }{newlength}
529 \eqcommand{      }{newline}
530 \eqcommand{      }{newlinechar}
531 \eqcommand{      }{newmuskip}
532 \eqcommand{      }{newpage}
533 \eqcommand{      }{newread}
534 \eqcommand{      }{newsavebox}
535 \eqcommand{      }{newskip}
536 \eqcommand{      }{newtheorem}
537 \eqcommand{      }{newtoks}
538 \eqcommand{      }{newwrite}
539 \eqcommand{      }{noalign}
540 \eqcommand{      }{nobreak}
541 \eqcommand{      }{nobreakspace}
542 \eqcommand{      }{nocite}
543 \eqcommand{      }{noexpand}
544 \eqcommand{      }{nofiles}
545 \eqcommand{      }{noindent}
546 \eqcommand{      }{nointerlineskip}
547 \eqcommand{      }{nolimits}
548 \eqcommand{      }{nolinebreak}
549 \eqcommand{      }{nonstopmode}
550 \eqcommand{      }{nonfrenchspacing}
551 \eqcommand{      }{nonumber}
552 \eqcommand{      }{nopagebreak}
553 \eqcommand{      }{normalbaselines}
554 \eqcommand{      }{normalbaselineskip}
555 \eqcommand{      }{normalcolor}
556 \eqcommand{      }{normalfont}
557 \eqcommand{      }{normallineskip}
558 \eqcommand{      }{normallineskiplimit}
559 \eqcommand{      }{normalmarginpar}
560 \eqcommand{      }{normalsize}
561 \eqcommand{      }{notag}
562 \eqcommand{      }{null}
563 \eqcommand{      }{nullfont}
564 \eqcommand{      }{number}
565 \eqcommand{      }{numberline}
566 \eqcommand{      }{numberwithin}
567 \eqcommand{      }{@evenfoot}
568 \eqcommand{      }{@evenhead}
569 \eqcommand{      }{@oddfoot}

```

```

570 \eqcommand{      }{@oddhead}
571 \eqcommand{      }{@outeqtrue}
572 \eqcommand{      }{@outeqfalse}
573 \eqcommand{      }{obeylines}
574 \eqcommand{      }{obeyspaces}
575 \eqcommand{      }{oddsidemargin}
576 \eqcommand{      }{offinterlineskip}
577 \eqcommand{ }{omit}
578 \eqcommand{@      }{@onlypreamble}
579 \eqcommand{      }{onecolumn}
580 \eqcommand{      }{onlynotes}
581 \eqcommand{      }{onlyslides}
582 \eqcommand{      }{openin}
583 \eqcommand{      }{openout}
584 \eqcommand{      }{OptionNotUsed}
585 \eqcommand{ }{or}
586 \eqcommand{      }{outer}
587 \eqcommand{      }{output}
588 \eqcommand{      }{outputpenalty}
589 \eqcommand{      }{overfullrule}
590 \eqcommand{@      }{@preamblecmds}
591 \eqcommand{@ }{p@}
592 \eqcommand{      }{PackageError}
593 \eqcommand{      }{PackageInfo}
594 \eqcommand{      }{PackageWarning}
595 \eqcommand{      }{PackageWarningNoLine}
596 \eqcommand{      }{pagebreak}
597 \eqcommand{      }{pagecolor}
598 \eqcommand{      }{pagedepth}
599 \eqcommand{      }{pagefilllstretch}
600 \eqcommand{      }{pagefillstretch}
601 \eqcommand{      }{pagefilstretch}
602 \eqcommand{      }{pagegoal}
603 \eqcommand{      }{pagename}
604 \eqcommand{      }{pagenumbering}
605 \eqcommand{      }{pageref}
606 \eqcommand{      }{pagerulewidth}
607 \eqcommand{      }{pageshrink}
608 \eqcommand{      }{pagestretch}
609 \eqcommand{      }{pagestyle}
610 \eqcommand{      }{pagetotal}
611 \eqcommand{      }{paperheight}
612 \eqcommand{      }{paperwidth}
613 \eqcommand{ }{par}
614 \eqcommand{      }{paragraph}
615 \eqcommand{      }{parallel}
616 \eqcommand{      }{parbox}
617 \eqcommand{      }{parfillskip}
618 \eqcommand{      }{parindent}
619 \eqcommand{      }{parsep}

```

```

620 \eqcommand{   }{parshape}
621 \eqcommand{   }{parskip}
622 \eqcommand{ }{part}
623 \eqcommand{   }{partname}
624 \eqcommand{   }{partopsep}
625 \eqcommand{   }{PassOptionToClass}
626 \eqcommand{   }{PassOptionToPackage}
627 \eqcommand{ }{path}
628 \eqcommand{   }{patterns}
629 \eqcommand{ }{pausing}
630 \eqcommand{   }{penalty}
631 \eqcommand{ }{phantom}
632 \eqcommand{   }{poptabs}
633 \eqcommand{   }{postdisplaypenalty}
634 \eqcommand{   }{predisplaydirection}
635 \eqcommand{   }{predisplaypenalty}
636 \eqcommand{   }{predisplaysize}
637 \eqcommand{   }{pretolerance}
638 \eqcommand{   }{prevdepth}
639 \eqcommand{   }{prevgraf}
640 \eqcommand{   }{printindex}
641 \eqcommand{   }{ProcessOptions}
642 \eqcommand{ }{protect}
643 \eqcommand{   }{providecommand}
644 \eqcommand{   }{ProvidesClass}
645 \eqcommand{   }{ProvidesFile}
646 \eqcommand{   }{ProvidesPackage}
647 \eqcommand{   }{pushtabs}
648 \eqcommand{ }{quad}
649 \eqcommand{   }{qquad}
650 \eqcommand{@   }{@outputpagerestore}
651 \eqcommand{   }{radical}
652 \eqcommand{   }{raggedbottom}
653 \eqcommand{   }{raggedleft}
654 \eqcommand{   }{raggedright}
655 \eqcommand{   }{raise}
656 \eqcommand{   }{raisebox}
657 \eqcommand{   }{raisetag}
658 \eqcommand{   }{rangle}
659 \eqcommand{ }{rceil}
660 \eqcommand{   }{read}
661 \eqcommand{ }{ref}
662 \eqcommand{   }{reflectbox}
663 \eqcommand{   }{refname}
664 \eqcommand{   }{refstepcounter}
665 \eqcommand{ }{relax}
666 \eqcommand{   }{removelastskip}
667 \eqcommand{   }{renewcommand}
668 \eqcommand{   }{renewenvironment}
669 \eqcommand{ }{repeat}

```

```

670 \eqcommand{      }{RequirePackage}
671 \eqcommand{      }{RequirePackageWithOptions}
672 \eqcommand{      }{resizebox}
673 \eqcommand{      }{reversemarginpar}
674 \eqcommand{ }{rfloor}
675 \eqcommand{ }{right}
676 \eqcommand{      }{rightmargin}
677 \eqcommand{      }{rightmark}
678 \eqcommand{      }{rightpageskip}
679 \eqcommand{      }{rightskip}
680 \eqcommand{      }{rmdefault}
681 \eqcommand{      }{rmfamily}
682 \eqcommand{      }{Roman}
683 \eqcommand{      }{roman}
684 \eqcommand{      }{romannumeral}
685 \eqcommand{      }{rotatebox}
686 \eqcommand{      }{rowcolor}
687 \eqcommand{ }{rule}
688 \eqcommand{@      }{@secondoftwo}
689 \eqcommand{@      }{@spaces}
690 \eqcommand{      }{samepage}
691 \eqcommand{      }{savebox}
692 \eqcommand{      }{sbox}
693 \eqcommand{      }{scalebox}
694 \eqcommand{      }{scdefault}
695 \eqcommand{      }{scshape}
696 \eqcommand{      }{scriptfont}
697 \eqcommand{      }{scriptscriptfont}
698 \eqcommand{      }{scriptscriptstyle}
699 \eqcommand{      }{scriptsize}
700 \eqcommand{      }{scripstyle}
701 \eqcommand{      }{scrollmode}
702 \eqcommand{      }{section}
703 \eqcommand{      }{secdef}
704 \eqcommand{      }{see}
705 \eqcommand{      }{seealso}
706 \eqcommand{      }{seename}
707 \eqcommand{      }{selectfont}
708 \eqcommand{      }{setboolean}
709 \eqcommand{      }{setbox}
710 \eqcommand{      }{setcounter}
711 \eqcommand{      }{setlength}
712 \eqcommand{      }{setminus}
713 \eqcommand{      }{SetSymbolFont}
714 \eqcommand{      }{settodepth}
715 \eqcommand{      }{settoheight}
716 \eqcommand{      }{settowidth}
717 \eqcommand{      }{sfcode}
718 \eqcommand{      }{sfdefault}
719 \eqcommand{      }{sffamily}

```

```

720 \eqcommand{      }{shadowbox}
721 \eqcommand{  }{sharp}
722 \eqcommand{    }{shipout}
723 \eqcommand{      }{shortstack}
724 \eqcommand{    }{show}
725 \eqcommand{      }{showbox}
726 \eqcommand{        }{showboxbreadth}
727 \eqcommand{        }{showboxdepth}
728 \eqcommand{        }{showlists}
729 \eqcommand{        }{showthe}
730 \eqcommand{      }{simplefontmode}
731 \eqcommand{ @}{sirt@@n}
732 \eqcommand{    }{skewchar}
733 \eqcommand{  }{skip}
734 \eqcommand{ @}{skip@}
735 \eqcommand{    }{skipdef}
736 \eqcommand{  }{sl}
737 \eqcommand{    }{sldefault}
738 \eqcommand{    }{slshape}
739 \eqcommand{    }{sloppy}
740 \eqcommand{    }{slshape}
741 \eqcommand{  }{small}
742 \eqcommand{    }{smallskip}
743 \eqcommand{        }{smallskipamount}
744 \eqcommand{  }{smash}
745 \eqcommand{  }{smile}
746 \eqcommand{        }{snglftlocatcode}
747 \eqcommand{  }{space}
748 \eqcommand{    }{spacefactor}
749 \eqcommand{    }{spaceskip}
750 \eqcommand{  }{spadesuit}
751 \eqcommand{  }{span}
752 \eqcommand{  }{special}
753 \eqcommand{        }{splitmaxdepth}
754 \eqcommand{        }{splittopskip}
755 \eqcommand{  }{star}
756 \eqcommand{        }{stepcounter}
757 \eqcommand{  }{stretch}
758 \eqcommand{  }{string}
759 \eqcommand{  }{strut}
760 \eqcommand{    }{strutbox}
761 \eqcommand{  }{subitem}
762 \eqcommand{    }{subparagraph}
763 \eqcommand{  }{subsection}
764 \eqcommand{  }{substack}
765 \eqcommand{    }{subsubitem}
766 \eqcommand{    }{subsubsection}
767 \eqcommand{  }{subset}
768 \eqcommand{    }{subsetq}
769 \eqcommand{    }{supereject}

```

```

770 \eqcommand{      }{suppressfloats}
771 \eqcommand{@    }{@tempa}
772 \eqcommand{@    }{@tempb}
773 \eqcommand{@    }{@tempc}
774 \eqcommand{@    }{@tempd}
775 \eqcommand{@    }{@tempe}
776 \eqcommand{@    }{@tempboxa}
777 \eqcommand{@    }{@tempcnta}
778 \eqcommand{@    }{@tempcntb}
779 \eqcommand{@    }{@tempdima}
780 \eqcommand{@    }{@tempdimb}
781 \eqcommand{@    }{@tempdimc}
782 \eqcommand{@    }{@tempkipa}
783 \eqcommand{@    }{@tempkipb}
784 \eqcommand{@    }{@tempswafalse}
785 \eqcommand{@    }{@tempwatrue}
786 \eqcommand{@    }{@temptokena}
787 \eqcommand{    }{@thefnmark}
788 \eqcommand{@    }{@thirdofthree}
789 \eqcommand{    }{tabbingsep}
790 \eqcommand{    }{tabcolsep}
791 \eqcommand{    }{tableofcontents}
792 \eqcommand{    }{tablename}
793 \eqcommand{    }{tabskip}
794 \eqcommand{    }{tabularnewline}
795 \eqcommand{    }{tag}
796 \eqcommand{    }{telephone}
797 \eqcommand{ }{TeX}
798 \eqcommand{ }{text}
799 \eqcommand{    }{textbullet}
800 \eqcommand{    }{textfont}
801 \eqcommand{    }{textendash}
802 \eqcommand{    }{textendash}
803 \eqcommand{    }{textexclamdown}
804 \eqcommand{    }{textperiodcentered}
805 \eqcommand{    }{textquestiondown}
806 \eqcommand{    }{textquotedblleft}
807 \eqcommand{    }{textquotedblright}
808 \eqcommand{    }{textquoteleft}
809 \eqcommand{    }{textquoteright}
810 \eqcommand{    }{textvisiblespace}
811 \eqcommand{    }{textbackslash}
812 \eqcommand{    }{textbar}
813 \eqcommand{    }{textgreater}
814 \eqcommand{    }{textless}
815 \eqcommand{    }{textbf}
816 \eqcommand{    }{textcircled}
817 \eqcommand{    }{textcolor}
818 \eqcommand{    }{textcompwordmark}
819 \eqcommand{    }{textfloatsep}

```



```

820 \eqcommand{ }{textfraction}
821 \eqcommand{ }{textheight}
822 \eqcommand{ }{textindent}
823 \eqcommand{ }{textit}
824 \eqcommand{ }{textmd}
825 \eqcommand{ }{textnormal}
826 \eqcommand{ }{textregistered}
827 \eqcommand{ }{textrm}
828 \eqcommand{ }{textsc}
829 \eqcommand{ }{textsf}
830 \eqcommand{ }{textsl}
831 \eqcommand{ }{textstyle}
832 \eqcommand{ }{textsuperscript}
833 \eqcommand{ }{textrademark}
834 \eqcommand{ }{texttt}
835 \eqcommand{ }{textup}
836 \eqcommand{ }{textwidth}
837 \eqcommand{ }{thanks}
838 \eqcommand{ }{the}
839 \eqcommand{ }{thempfn}
840 \eqcommand{ }{thicklines}
841 \eqcommand{ }{thickmuskip}
842 \eqcommand{ }{thinmuskip}
843 \eqcommand{ }{thickspace}
844 \eqcommand{ }{thinlines}
845 \eqcommand{ }{thinspace}
846 \eqcommand{ }{thisfancy page}
847 \eqcommand{ }{thispagestyle}
848 \eqcommand{ @}{thr@@}
849 \eqcommand{ }{tilde}
850 \eqcommand{ }{tiny}
851 \eqcommand{ }{time}
852 \eqcommand{ }{times}
853 \eqcommand{ }{title}
854 \eqcommand{ }{to}
855 \eqcommand{ }{today}
856 \eqcommand{ }{toks}
857 \eqcommand{ }{toksdef}
858 \eqcommand{ }{tolerance}
859 \eqcommand{ }{top}
860 \eqcommand{ }{topfigrule}
861 \eqcommand{ }{topfraction}
862 \eqcommand{ }{topmargin}
863 \eqcommand{ }{topmark}
864 \eqcommand{ }{toppageskip}
865 \eqcommand{ }{topsep}
866 \eqcommand{ }{topskip}
867 \eqcommand{ }{totalheight}
868 \eqcommand{ }{tracingall}
869 \eqcommand{ }{tracingcommands}

```

```

870 \eqcommand{      }{tracinglostchars}
871 \eqcommand{      }{tracingmacros}
872 \eqcommand{      }{tracingonline}
873 \eqcommand{      }{tracingoutput}
874 \eqcommand{      }{tracingpages}
875 \eqcommand{      }{tracingparagraphs}
876 \eqcommand{      }{tracingrestores}
877 \eqcommand{      }{tracingstats}
878 \eqcommand{ }{triangle}
879 \eqcommand{   }{ttdefault}
880 \eqcommand{   }{ttfamily}
881 \eqcommand{ @}{tw@}
882 \eqcommand{   }{twocolumn}
883 \eqcommand{   }{typein}
884 \eqcommand{   }{typeout}
885 \eqcommand{   }{uccode}
886 \eqcommand{   }{uchyph}
887 \eqcommand{   }{underline}
888 \eqcommand{   }{unhbox}
889 \eqcommand{   }{unhcopy}
890 \eqcommand{   }{unitlength}
891 \eqcommand{   }{unkern}
892 \eqcommand{   }{unpenalty}
893 \eqcommand{   }{unskip}
894 \eqcommand{   }{unvbox}
895 \eqcommand{   }{unvcopy}
896 \eqcommand{   }{updefault}
897 \eqcommand{   }{upshape}
898 \eqcommand{   }{usebox}
899 \eqcommand{   }{usecounter}
900 \eqcommand{   }{usefont}
901 \eqcommand{   }{usepackage}
902 \eqcommand{@   }{@vobeyspaces}
903 \eqcommand{@   }{@void}
904 \eqcommand{   }{vadjust}
905 \eqcommand{   }{valign}
906 \eqcommand{   }{value}
907 \eqcommand{   }{vbadness}
908 \eqcommand{   }{vbox}
909 \eqcommand{   }{vcenter}
910 \eqcommand{   }{verb}
911 \eqcommand{ }{vfil}
912 \eqcommand{ }{vfill}
913 \eqcommand{   }{vfilneg}
914 \eqcommand{   }{vfuzz}
915 \eqcommand{   }{visible}
916 \eqcommand{   }{vline}
917 \eqcommand{   }{voffset}
918 \eqcommand{ @ }{@voidb@x}
919 \eqcommand{   }{vpageref}

```

```

920 \eqcommand{      }{vrboxsep}
921 \eqcommand{      }{vref}
922 \eqcommand{      }{vrule}
923 \eqcommand{      }{vsize}
924 \eqcommand{      }{vskip}
925 \eqcommand{      }{vspace}
926 \eqcommand{      }{vsplit}
927 \eqcommand{      }{vss}
928 \eqcommand{      }{vtop}
929 \eqcommand{      }{wd}
930 \eqcommand{      }{whiledo}
931 \eqcommand{      }{widehat}
932 \eqcommand{      }{widetilde}
933 \eqcommand{      }{widowpenalty}
934 \eqcommand{      }{width}
935 \eqcommand{      }{wlog}
936 \eqcommand{      }{write}
937 \eqcommand{@      }{@xobeysp}
938 \eqcommand{ @ }{@xxxii}
939 \eqcommand{      }{xdef}
940 \eqcommand{      }{xleaders}
941 \eqcommand{      }{xspaceskip}
942 \eqcommand{      }{year}
943 \eqcommand{@      }{z@}
944 \eqcommand{@      }{z@skip}

```

8.18 color-localise.def

```

1 color}          \-localise.def}[2011/03/01 v0.1 localising color package]
2 rgb}{0}{      } \,0,0}
3 rgb}{1}{      } \,1,1}
4 rgb}{1}{      } \,0,0}
5 rgb}{0}{      } \,1,0}
6 rgb}{0}{      } \,0,1}
7 cmyk}{1}{      } \,0,0,0}
8 cmyk}{0}{      } \,1,0,0}
9 cmyk}{0}{      } \,0,1,0}

```

8.19 commands-xepersian.def

```

1 \ProvidesFile{commands-xepersian.def}[2010/07/25 v0.1 Persian localisation of XePersian commands]
2 \eqcommand{      }{autofooterule}
3 \eqcommand{      }{AutoMathsDigits}
4 \eqcommand{      }{DefaultMathsDigits}
5 \eqcommand{      }{deflatinfont}
6 \eqcommand{      }{defpersianfont}
7 \eqcommand{      }{hboxL}
8 \eqcommand{      }{hboxR}
9 \eqcommand{      }{Latincite}
10 \eqcommand{      }{latinfont}
11 \eqcommand{      }{latintoday}

```

```

12 \eqcommand{      }{\leftfootnoterule}
13 \eqcommand{      }{\lr}
14 \eqcommand{      }{\LRE}
15 \eqcommand{      }{\LTRdblcol}
16 \eqcommand{      }{\LTRfootnote}
17 \eqcommand{      }{\LTRfootnotetext}
18 \eqcommand{      }{\LTRthanks}
19 \eqcommand{      }{\persianfont}
20 \eqcommand{      }{\PersianMathsDigits}
21 \eqcommand{      }{\plq}
22 \eqcommand{      }{\prq}
23 \eqcommand{      }{\rightfootnoterule}
24 \eqcommand{      }{\rl}
25 \eqcommand{      }{\RLE}
26 \eqcommand{      }{\RTLdblcol}
27 \eqcommand{      }{\RTLfootnote}
28 \eqcommand{      }{\RTLfootnotetext}
29 \eqcommand{      }{\RTLthanks}
30 \eqcommand{@      }{\@SepMark}
31 \eqcommand{      }{\SepMark}
32 \eqcommand{      }{\setdefaultbibitems}
33 \eqcommand{      }{\setdefaultmarginpar}
34 \eqcommand{      }{\setdigitfont}
35 \eqcommand{      }{\setfootnoteLR}
36 \eqcommand{      }{\setfootnoteRL}
37 \eqcommand{      }{\setlatintextfont}
38 \eqcommand{      }{\setLTR}
39 \eqcommand{      }{\setLTRbibitems}
40 \eqcommand{      }{\setLTRmarginpar}
41 \eqcommand{      }{\setRTL}
42 \eqcommand{      }{\setRTLbibitems}
43 \eqcommand{      }{\setRTLMarginpar}
44 \eqcommand{      }{\settextfont}
45 \eqcommand{      }{\textwidthfootnoterule}
46 \eqcommand{      }{\twocolumnstableofcontents}
47 \eqcommand{      }{\unsetfootnoteRL}
48 \eqcommand{      }{\unsetLTR}
49 \eqcommand{      }{\unsetRTL}
50 \eqcommand{      }{\vboxL}
51 \eqcommand{      }{\vboxR}
52 \eqcommand{      }{\XeLaTeX}
53 \eqcommand{      }{\XePersian}
54 \eqcommand{      }{\xepersianversion}
55 \eqcommand{      }{\xepersiandate}
56 \eqcommand{      }{\xepersiancommit}
57 \eqcommand{      }{\XeTeX}

```

8.20 empheq-xepersian.def

```

1 \ProvidesFile{empheq-xepersian.def}[2011/03/01 v0.1 adaptations for empheq package]

```

```

2 \def\tagform@#1{\maketag@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@La
3 \def\text#1{\@text{\if@Latin\else\beginR\fi#1\if@Latin\else\endR\fi}}

```

8.2.1 enumerate-xepersian.def

```

1 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
2 \def\@enloop@{%
3   \ifx entemp\          \def\@tempa{\@enLabel\harfi } \else
4   \ifx entemp\          \def\@tempa{\@enLabel\adadi } \else
5   \ifx entemp\          \def\@tempa{\@enLabel\tartibi } \else
6   \ifx A\@entemp        \def\@tempa{\@enLabel\Alph } \else
7   \ifx a\@entemp        \def\@tempa{\@enLabel\alph } \else
8   \ifx i\@entemp        \def\@tempa{\@enLabel\roman } \else
9   \ifx I\@entemp        \def\@tempa{\@enLabel\Roman } \else
10  \ifx 1\@entemp         \def\@tempa{\@enLabel\arabic} \else
11  \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
12  \ifx \bgroup\@entemp   \let\@tempa\@enGroup      \else
13  \ifx \@enum@\@entemp   \let\@tempa\@gobble      \else
14                          \let\@tempa\@enOther
15                          \@enhook
16                          \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
17  \@tempa}

```

8.2.2 environments-ltx.def

```

1 \ProvidesFile{environments-ltx.def}[2010/07/25 v0.2 Persian localisation of LaTeX2e environments]
2 \eqenvironment{ }{abstract}
3 \eqenvironment{ }{appendix}
4 \eqenvironment{ }{array}
5 \eqenvironment{ }{center}
6 \eqenvironment{ }{description}
7 \eqenvironment{ }{displaymath}
8 \eqenvironment{ }{document}
9 \eqenvironment{ }{enumerate}
10 \eqenvironment{ }{figure}
11 \eqenvironment{ *}{figure*}
12 \eqenvironment{ }{filecontents}
13 \eqenvironment{ *}{filecontents*}
14 \eqenvironment{ }{flushleft}
15 \eqenvironment{ }{flushright}
16 \eqenvironment{ }{itemize}
17 \eqenvironment{ }{letter}
18 \eqenvironment{ }{list}
19 \eqenvironment{ }{longtable}
20 \eqenvironment{ }{lrbox}
21 \eqenvironment{ }{math}
22 \eqenvironment{ }{matrix}
23 \eqenvironment{ }{minipage}
24 \eqenvironment{ }{multicols}
25 \eqenvironment{ }{multline}
26 \eqenvironment{ }{note}

```

```

27 \eqenvironment{ }{overlay}
28 \eqenvironment{ }{picture}
29 \eqenvironment{ }{quotation}
30 \eqenvironment{ }{quote}
31 \eqenvironment{ }{slide}
32 \eqenvironment{ }{sloppypar}
33 \eqenvironment{ }{split}
34 \eqenvironment{ }{subarray}
35 \eqenvironment{ }{tabbing}
36 \eqenvironment{ }{table}
37 \eqenvironment{ *}{table*}
38 \eqenvironment{ }{tabular}
39 \eqenvironment{ *}{tabular*}
40 \eqenvironment{ }{thebibliography}
41 \eqenvironment{ }{theindex}
42 \eqenvironment{ }{titlepage}
43 \eqenvironment{ }{trivlist}
44 \eqenvironment{ }{verbatim}
45 \eqenvironment{ *}{verbatim*}
46 \eqenvironment{ }{verse}

```

8.23 environments-xepersian.def

```

1 \ProvidesFile{environments-xepersian.def}[2010/07/25 v0.1 Persian localisation of XePersian and b]
2 \eqenvironment{ }{latin}
3 \eqenvironment{ }{LTR}
4 \eqenvironment{ }{LTRitems}
5 \eqenvironment{ }{modernpoem}
6 \eqenvironment{ *}{modernpoem*}
7 \eqenvironment{ }{persian}
8 \eqenvironment{ }{RTL}
9 \eqenvironment{ }{RTLitems}
10 \eqenvironment{ }{traditionalpoem}
11 \eqenvironment{ *}{traditionalpoem*}

```

8.24 extarticle-xepersian.def

```

1 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
2 \renewcommand\thepart { \@tartibi\c@part}
3 \renewcommand\appendix{\par
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}}

```

8.25 extbook-xepersian.def

```

1 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
2 \renewcommand\frontmatter{%
3 \cleardoublepage
4 \@mainmatterfalse
5 \pagenumbering{harfi}}
6 \renewcommand \thepart { \@tartibi\c@part}

```

```

7 \renewcommand\appendix{\par
8 \setcounter{chapter}{0}%
9 \setcounter{section}{0}%
10 \gdef\@chapapp{\appendixname}%
11 \gdef\thechapter{\@harfi\c@chapter}
12 }%end appendix

```

8.26 extreport-xepersian.def

```

1 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
2 \renewcommand\thepart {\@tartibi\c@part}
3 \renewcommand\appendix{\par
4 \setcounter{chapter}{0}%
5 \setcounter{section}{0}%
6 \gdef\@chapapp{\appendixname}%
7 \gdef\thechapter{\@harfi\c@chapter}}

```

8.27 flowfram-xepersian.def

```

1 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
2 \def\@outputpage{%
3 \begingroup
4 \let\protect\noexpand
5 \@resetactivechars
6 \global\let\@if@newlist@if@newlist
7 \global\@newlistfalse\@parboxrestore
8 \shipout\vbox{\set@typeset@protect
9 \aftergroup
10 \endgroup
11 \aftergroup
12 \set@typeset@protect
13 \reset@font\normalsize\normalsfcodes
14 \let\label@gobble
15 \let\index@gobble
16 \let\glossary@gobble
17 \baselineskip\z@skip
18 \lineskip\z@skip
19 \lineskiplimit\z@
20 \vskip\topmargin\moveright\@themargin
21 \vbox{%
22 \vskip\headheight
23 \vskip\headsep
24 \box\@outputbox
25 }}%
26 \global\let@if@newlist\@if@newlist
27 \stepcounter{page}%
28 \setcounter{displayedframe}{0}%
29 \let\firstmark\botmark}

```

8.28 footnote-bidi-xepersian.def

```

1 \ProvidesFile{footnote-bidi-xepersian.def}[2010/07/25 v0.2 footnote macros for xepersian package]

```

```

2 \long\def\@footnotetext#1{%
3   \begingroup
4   \setbox\footins
5   \vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
6     \interlinepenalty\interfootnotelinepenalty
7     \splittopskip\footnotesep
8     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9     \hsize\columnwidth \@parboxrestore
10    \bidi@footnotetext@dir{#1}%
11    \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
12    {\rule{\z@}{\footnotesep}\ignorespaces\ifRTL@footnote#1\else\latinfont#1\fi\strut}}%
13    \bidi@footnotetext@after
14    \insert\footins{\unvbox\footins}%
15    \endgroup}
16 \long\def\@RTLfootnotetext#1{%
17   \begingroup
18   \setbox\footins
19   \vbox{\@RTLtrue\reset@font\footnotesize
20     \interlinepenalty\interfootnotelinepenalty
21     \splittopskip\footnotesep
22     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
23     \hsize\columnwidth \@parboxrestore
24     \bidi@footnotetext@dir{#1}%
25     \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
26     {\rule{\z@}{\footnotesep}\ignorespaces\persianfont #1\strut}}%
27     \bidi@footnotetext@after
28     \insert\footins{\unvbox\footins}%
29     \endgroup}
30 \long\def\@LTRfootnotetext#1{%
31   \begingroup
32   \setbox\footins
33   \vbox{\@RTLfalse\reset@font\footnotesize
34     \interlinepenalty\interfootnotelinepenalty
35     \splittopskip\footnotesep
36     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
37     \hsize\columnwidth \@parboxrestore
38     \bidi@footnotetext@dir{#1}%
39     \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
40     {\rule{\z@}{\footnotesep}\ignorespaces\latinfont #1\strut}}%
41     \bidi@footnotetext@after
42     \insert\footins{\unvbox\footins}%
43     \endgroup}
44 \long\def\@mpfootnotetext#1{%
45   \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
46     \unvbox\@mpfootins
47     \reset@font\footnotesize
48     \hsize\columnwidth
49     \@parboxrestore
50     \protected@edef\@currentlabel
51     {\csname p@mpfootnote\endcsname\@thefnmark}}%

```



```

52   \color@begingroup
53   \bidi@footnotetext@dir{#1}
54   \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
55     \@makefntext{%
56     \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutb
57   \color@endgroup}}
58 \long\def\@mpRTLfootnotetext#1{%
59   \global\setbox\@mpfootins\vbox{\@RTLtrue%
60     \unvbox\@mpfootins
61     \reset@font\footnotesize
62     \hsize\columnwidth
63     \@parboxrestore
64     \protected@edef\@currentlabel
65       {\csname p@mpfootnote\endcsname\@thefnmark}%
66     \color@begingroup
67     \bidi@footnotetext@dir{#1}
68     \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
69       \@makefntext{%
70       \rule\z@\footnotesep\ignorespaces\persianfont#1\@finalstrut\strutbox}%
71     \color@endgroup}}
72 \long\def\@mpLTRfootnotetext#1{%
73   \global\setbox\@mpfootins\vbox{\@RTLfalse%
74     \unvbox\@mpfootins
75     \reset@font\footnotesize
76     \hsize\columnwidth
77     \@parboxrestore
78     \protected@edef\@currentlabel
79       {\csname p@mpfootnote\endcsname\@thefnmark}%
80     \color@begingroup
81     \bidi@footnotetext@dir{#1}
82     \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
83       \@makefntext{%
84       \rule\z@\footnotesep\ignorespaces\latinfont#1\@finalstrut\strutbox}%
85     \color@endgroup}}

```

8.29 hyperref-xepersian.def

```

1 \ProvidesFile{hyperref-xepersian.def}[2010/07/25 v0.3 bilingual captions for hyperref package]
2 \def\equationautorefname{\if@RTL else\ Equation\fi}%
3 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
4 \def\itemautorefname{\if@RTL else\ item\fi}%
5 \def\figureautorefname{\if@RTL else\ Figure\fi}%
6 \def\tableautorefname{\if@RTL else\ Table\fi}%
7 \def\partautorefname{\if@RTL else\ Part\fi}%
8 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
9 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
10 \def\sectionautorefname{\if@RTL else\ section\fi}%
11 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
12 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
13 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%

```

```

14 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
15 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
16 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
17 \def\pageautorefname{\if@RTL else\ page\fi}%
18 \AtBeginDocument{%
19 \let\HyOrg@appendix\appendix
20 \def\appendix{%
21 \ltx@ifundefined{chapter}%
22 {\gdef\theHsection{\Alph{section}}}%
23 {\gdef\theHchapter{\Alph{chapter}}}%
24 \xdef\Hy@chapapp{\Hy@appendixstring}%
25 \HyOrg@appendix
26 }
27 }

```

8.30 kashida-xepersian.def

```

1 \ProvidesFile{kashida-xepersian.def}[2010/07/25 v0.1 implementation of Kashida for xepersian packa
2 \chardef\zwj="200D % zero-width joiner
3 \chardef\ksh="0640 % kashida
4
5 \chardef\D=10 % dual-joiner class
6 \chardef\L=11 % lam
7 \chardef\R=12 % right-joiner
8 \chardef\A=13 % alef
9 \chardef\V=256 % vowel or other combining mark (to be ignored)
10
11 \def\kashida{\zwj\nobreak \setbox0=\hbox{\ksh}%
12 \leaders\hrule height\ht0 \hskip0pt plus 0.5em \zwj}
13
14 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
15 \expandafter\dosetclass\charlist,\end}
16 \def\dosetclass#1,#2\end{%
17 \def\test{#1}\def\charlist{#2}%
18 \ifx\test\empty\let\next\finishsetclass
19 \else \XeTeXcharclass "\test = \theclass
20 \let\next\dosetclass \fi
21 \expandafter\next\charlist,,\end}
22 \def\finishsetclass#1,,\end{}
23
24 \setclass \A {0622,0623,0625,0627}
25 \setclass \R {0624,0629,062F,0630,0631,0632,0648,0698}
26 \setclass \D {0626,0628,062A,062B,062C,062D,062E}
27 \setclass \D {0633,0634,0635,0636,0637,0638,0639,063A}
28 \setclass \D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
29 \setclass \D {067E,0686,06A9,06AF,06CC}
30 \setclass \L {0644}
31 \setclass \V {064B,064C,064D,064E,064F,0650,0651,0652}
32
33 \XeTeXinterchartoks \D \D = {\kashida}

```

```

34 \XeTeXinterchartoks \L \D = {\kashida}
35 \XeTeXinterchartoks \D \L = {\kashida}
36 \XeTeXinterchartoks \L \L = {\kashida}
37 \XeTeXinterchartoks \D \R = {\kashida}
38 \XeTeXinterchartoks \D \A = {\kashida}
39 \XeTeXinterchartoks \L \R = {\kashida}
40 \XeTeXinterchartoks \L \A = {}
41
42 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
43 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
44 \KashidaOn

```

8.31 listings-xepersian.def

```

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

```

8.32 loadingorder-bidi-xepersian.def

```

1 \ProvidesFile{loadingorder-bidi-xepersian.def}[2010/07/25 v0.2 making sure that xepersian is the l
2 \bidi@isloaded{algorithmic}
3 \bidi@isloaded{algorithm}
4 \bidi@isloaded{backref}
5 \bidi@isloaded{enumerate}
6 \bidi@isloaded{tocloft}
7 \AtBeginDocument{
8 \if@bidi@algorithmicloaded@else
9 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersi
10 \fi%
11 \if@bidi@algorithmloaded@else
12 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian
13 \fi%
14 \if@bidi@backrefloaded@else
15 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian p
16 \fi%
17 \if@bidi@enumerateloaded@else
18 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian
19 \fi%
20 \if@bidi@tocloftloaded@else
21 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian p
22 \fi%
23 }

```

8.33 localise-xepersian.def

```

1 \ProvidesFile{localise-xepersian.def}[2010/07/25 v0.2a Persian localisation of LaTeX2e]
2 \newcommand{\makezwnjletter}{\catcode`\relax}
3 \makezwnjletter
4 \newcommand*{\eqcommand}[2]{%
5 \expandafter\ifdefinable \csname#1\endcsname{%
6 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}

```

```

7 \newcommand*\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}
8 \input{commands-ltx.def}
9 \input{commands-xepersian.def}
10 \input{environments-ltx.def}
11 \input{environments-xepersian.def}
12 \input{messages-localise.def}
13 \input{misc-localise-xepersian.def}
14 \input{packages-localise-xepersian.def}

```

8.34 memoir-xepersian.def

```

1 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
2 \renewcommand{\@memfront}{%
3   \@smemfront\pagenumbering{harfi}}
4 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
5 \renewcommand*\{thebook}{\@tartibi\c@book}
6 \renewcommand*\{thepart}{\@tartibi\c@part}
7 \renewcommand{\appendix}{\par
8   \setcounter{chapter}{0}%
9   \setcounter{section}{0}%
10  \gdef\@chapapp{\appendixname}%
11  \gdef\thechapter{\@harfi\c@chapter}%
12  \anappendixtrue}

```

8.35 messages-localise.def

```

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

```

8.36 minitoc-xepersian.def

```

1 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
2 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
3 \def\plftitle{\if@RTL else\ List of Figures\fi}%
4 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
5 \def\mtctitle{\if@RTL else\ Contents\fi}%
6 \def\mlftitle{\if@RTL else\ Figures\fi}%
7 \def\mltttitle{\if@RTL else\ Tables\fi}%
8 \def\stctitle{\if@RTL else\ Contents\fi}%
9 \def\slftitle{\if@RTL else\ Figures\fi}%
10 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

8.37 misc-localise-xepersian.def

```

1 \ProvidesFile{misc-localise-xepersian.def}[2011/03/01 v0.1 miscellaneous Persian localisation of
2 %}1# \ \
3   \@ \ @ \ \
4   \1# \
5   \1# @\
6   \1# @\
7 {@ \ \
8 %}2#1# @\ \
9 %1# \ @\ \ \ \
10   \2# \ @\ \

```

```

11 {{2#1# \}}
12 undefined\ \ \

```

8.38 multicol-xepersian.def

```

1 \ProvidesFile{multicol-xepersian.def}[2010/07/25 v0.1 adaptations for multicol package]
2 \long\def\@footnotetext#1{%
3   \begingroup
4   \setbox\footins
5   \vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
6     \interlinepenalty\interfootnotelinepenalty
7     \splittopskip\footnotesep
8     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9     \hsize\textwidth \@parboxrestore
10    \bidi@footnotetext@dir{#1}%
11    \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
12    {\rule{\z@}{\footnotesep}\ignorespaces\ifRTL@footnote#1\else\latinfont#1\fi\strut}}%
13    \bidi@footnotetext@after
14    \insert\footins{\unvbox\footins}%
15    \endgroup}
16 \long\def\@RTLfootnotetext#1{%
17   \begingroup
18   \setbox\footins
19   \vbox{\@RTLtrue\reset@font\footnotesize
20     \interlinepenalty\interfootnotelinepenalty
21     \splittopskip\footnotesep
22     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
23     \hsize\textwidth \@parboxrestore
24     \bidi@footnotetext@dir{#1}%
25     \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
26     {\rule{\z@}{\footnotesep}\ignorespaces\persianfont #1\strut}}%
27     \bidi@footnotetext@after
28     \insert\footins{\unvbox\footins}%
29     \endgroup}
30 \long\def\@LTRfootnotetext#1{%
31   \begingroup
32   \setbox\footins
33   \vbox{\@RTLfalse\reset@font\footnotesize
34     \interlinepenalty\interfootnotelinepenalty
35     \splittopskip\footnotesep
36     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
37     \hsize\textwidth \@parboxrestore
38     \bidi@footnotetext@dir{#1}%
39     \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
40     {\rule{\z@}{\footnotesep}\ignorespaces\latinfont #1\strut}}%
41     \bidi@footnotetext@after
42     \insert\footins{\unvbox\footins}%
43     \endgroup}
44 \long\def\@mpfootnotetext#1{%
45   \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```

```

46 \unvbox\@mpfootins
47 \reset@font\footnotesize
48 \hsize\textwidth
49 \@parboxrestore
50 \protected@edef\@currentlabel
51   {\csname p@mpfootnote\endcsname\@thefnmark}%
52 \color@begingroup
53 \bidi@footnotetext@dir{#1}
54 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
55   \@makefnmark{%
56   \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutb
57   \color@endgroup}}
58 \long\def\@mpRTLfootnotetext#1{%
59   \global\setbox\@mpfootins\vbox{\@RTLtrue%
60     \unvbox\@mpfootins
61     \reset@font\footnotesize
62     \hsize\textwidth
63     \@parboxrestore
64     \protected@edef\@currentlabel
65       {\csname p@mpfootnote\endcsname\@thefnmark}%
66     \color@begingroup
67     \bidi@footnotetext@dir{#1}
68     \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
69     \@makefnmark{%
70     \rule\z@\footnotesep\ignorespaces\persianfont#1\@finalstrut\strutbox}%
71     \color@endgroup}}
72 \long\def\@mpLTRfootnotetext#1{%
73   \global\setbox\@mpfootins\vbox{\@RTLfalse%
74     \unvbox\@mpfootins
75     \reset@font\footnotesize
76     \hsize\textwidth
77     \@parboxrestore
78     \protected@edef\@currentlabel
79       {\csname p@mpfootnote\endcsname\@thefnmark}%
80     \color@begingroup
81     \bidi@footnotetext@dir{#1}
82     \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi
83     \@makefnmark{%
84     \rule\z@\footnotesep\ignorespaces\latinfont#1\@finalstrut\strutbox}%
85     \color@endgroup}}

```

8.39 packages-localise-xepersian.def

```

1 packages} \-localise-xepersian.def} [2011/03/01 v0.1 localising LaTeX2e Packages]
2 color} \}{color} @\-localise.def}}{}

```

8.40 parsidigits.map

```

1 ; Vafa Khalighi ...
2 LHSName "Digits"
3 RHSName "ParsiDigits"

```

```

4
5 pass(Unicode)
6 U+0030 <> U+06F0 ;
7 U+0031 <> U+06F1 ;
8 U+0032 <> U+06F2 ;
9 U+0033 <> U+06F3 ;
10 U+0034 <> U+06F4 ;
11 U+0035 <> U+06F5 ;
12 U+0036 <> U+06F6 ;
13 U+0037 <> U+06F7 ;
14 U+0038 <> U+06F8 ;
15 U+0039 <> U+06F9 ;
16
17 U+0644 U+0651 U+064E U+0627 <> U+0644 U+0627 U+0651 U+064E ; lam shadda fatha alif -> lam alif shadda
18 U+0644 U+0651 U+0627 <> U+0644 U+0627 U+0651 ; lam shadda alif -> lam alif shadda
19 U+0644 U+0652 U+0622 <> U+0644 U+0622 U+0652 ; lam sukun alifmadda -> lam alifmadda sukun
20 U+0644 U+0652 U+0623 <> U+0644 U+0623 U+0652 ; lam sukun alifhamzaabove -> lam alifhamzaabove sukun
21 U+0644 U+0652 U+0625 <> U+0644 U+0625 U+0652 ; lam sukun alifhamzabelow -> lam alifhamzabelow sukun
22 U+0644 U+0651 U+064B U+0627 <> U+0644 U+0627 U+0651 U+064B ; lam shadda fathatan alif -> lam alif sha
23 U+0644 U+064B U+0627 <> U+0644 U+0627 U+064B ; lam fathatan alif -> lam alif fathatan
24
25 U+002C <> U+060C ; comma -> arabic comma
26 U+003F <> U+061F ; question mark -> arabic qm
27 U+003B <> U+061B ; semicolon -> arabic semicolon
28
29 ; ligatures from Knuth's original CMR fonts
30 U+002D U+002D <> U+2013 ; -- -> en dash
31 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
32
33 U+0027 <> U+2019 ; ' -> right single quote
34 U+0027 U+0027 <> U+201D ; '' -> right double quote
35 U+0022 > U+201D ; " -> right double quote
36
37 U+0060 <> U+2018 ; ` -> left single quote
38 U+0060 U+0060 <> U+201C ; `` -> left double quote
39
40 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclamation
41 U+003F U+0060 <> U+00BF ; ?` -> inverted question
42
43 ; additions supported in T1 encoding
44 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
45 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
46 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

8.41 rapport1-xepersian.def

```

1 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\appendix{\par
4 \setcounter{chapter}{0}%

```

```

5 \setcounter{section}{0}%
6 \gdef\@chapapp{\appendixname}%
7 \gdef\thechapter{\@harfi\c@chapter}

```

8.42 rapport3-xepersian.def

```

1 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2 \renewcommand*\thepart{\@tartibi\c@part}
3 \renewcommand*\appendix{\par
4 \setcounter{chapter}{0}%
5 \setcounter{section}{0}%
6 \gdef\@chapapp{\appendixname}%
7 \gdef\thechapter{\@harfi\c@chapter}}

```

8.43 refrep-xepersian.def

```

1 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2 \renewcommand \thepart {\@tartibi\c@part}
3 \renewcommand\appendix{\par
4 \setcounter{chapter}{0}%
5 \setcounter{section}{0}%
6 \gdef\@chapapp{\appendixname}%
7 \gdef\thechapter{\@harfi\c@chapter}
8}%end appendix

```

8.44 report-xepersian.def

```

1 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2 \renewcommand \thepart {\@tartibi\c@part}
3 \renewcommand\appendix{\par
4 \setcounter{chapter}{0}%
5 \setcounter{section}{0}%
6 \gdef\@chapapp{\appendixname}%
7 \gdef\thechapter{\@harfi\c@chapter}
8}%end appendix

```

8.45 scrartcl-xepersian.def

```

1 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2 \renewcommand*\{thepart\}{\@tartibi\c@part}
3 \renewcommand*\appendix{\par%
4 \setcounter{section}{0}%
5 \setcounter{subsection}{0}%
6 \gdef\thesection{\@harfi\c@section}%
7 \csname appendixmore\endcsname
8 }
9 \renewcommand*\{@@maybeautodot\}[1]{%
10 \ifx #1\@stop\let\@@maybeautodot\relax
11 \else
12 \ifx #1\harfi \@@autodottrue\fi
13 \ifx #1\adadi \@@autodottrue\fi
14 \ifx #1\tartibi \@@autodottrue\fi
15 \ifx #1\Alph \@@autodottrue\fi

```



```

16 \ifx #1\alph \@autodottrue\fi
17 \ifx #1\Roman \@autodottrue\fi
18 \ifx #1\roman \@autodottrue\fi
19 \ifx #1\@harfi \@autodottrue\fi
20 \ifx #1\@adadi \@autodottrue\fi
21 \ifx #1\@tartibi \@autodottrue\fi
22 \ifx #1\@Alph \@autodottrue\fi
23 \ifx #1\@alph \@autodottrue\fi
24 \ifx #1\@Roman \@autodottrue\fi
25 \ifx #1\@roman \@autodottrue\fi
26 \ifx #1\romannumeral \@autodottrue\fi
27 \fi
28 \@@maybeautodot
29 }

```

8.46 scrbook-xepersian.def

```

1 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2 \renewcommand*\frontmatter{%
3 \if@twoside\cleardoubleoddpages\else\clearpage\fi
4 \@mainmatterfalse\pagenumbering{harfi}%
5 }
6 \renewcommand*\thepart{\@tartibi\c@part}
7 \renewcommand*\appendix{\par%
8 \setcounter{chapter}{0}%
9 \setcounter{section}{0}%
10 \gdef\@chapapp{\appendixname}%
11 \gdef\thechapter{\@harfi\c@chapter}%
12 \csname appendixmore\endcsname
13 }
14 \renewcommand*\@@maybeautodot}[1]{%
15 \ifx #1\@stop\let\@@maybeautodot\relax
16 \else
17 \ifx #1\harfi \@autodottrue\fi
18 \ifx #1\adadi \@autodottrue\fi
19 \ifx #1\tartibi \@autodottrue\fi
20 \ifx #1\Alph \@autodottrue\fi
21 \ifx #1\alph \@autodottrue\fi
22 \ifx #1\Roman \@autodottrue\fi
23 \ifx #1\roman \@autodottrue\fi
24 \ifx #1\@harfi \@autodottrue\fi
25 \ifx #1\@adadi \@autodottrue\fi
26 \ifx #1\@tartibi \@autodottrue\fi
27 \ifx #1\@Alph \@autodottrue\fi
28 \ifx #1\@alph \@autodottrue\fi
29 \ifx #1\@Roman \@autodottrue\fi
30 \ifx #1\@roman \@autodottrue\fi
31 \ifx #1\romannumeral \@autodottrue\fi
32 \fi
33 \@@maybeautodot

```

```
34 }
```

8.47 scrreprt-xepersian.def

```
1 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2 \renewcommand*{\thepart}{\@tartibi\c@part}
3 \renewcommand*{\appendix}{\par%
4   \setcounter{chapter}{0}%
5   \setcounter{section}{0}%
6   \gdef\@chapapp{\appendixname}%
7   \gdef\thechapter{\@harfi\c@chapter}%
8   \csname appendixmore\endcsname
9 }
10 \renewcommand*{\@maybeautodot}[1]{%
11   \ifx #1\@stop\let\@maybeautodot\relax
12   \else
13     \ifx #1\harfi \@autodottrue\fi
14     \ifx #1\adadi \@autodottrue\fi
15     \ifx #1\tartibi \@autodottrue\fi
16     \ifx #1\Alph \@autodottrue\fi
17     \ifx #1\alph \@autodottrue\fi
18     \ifx #1\Roman \@autodottrue\fi
19     \ifx #1\roman \@autodottrue\fi
20     \ifx #1\@harfi \@autodottrue\fi
21     \ifx #1\@adadi \@autodottrue\fi
22     \ifx #1\@tartibi \@autodottrue\fi
23     \ifx #1\@Alph \@autodottrue\fi
24     \ifx #1\@alph \@autodottrue\fi
25     \ifx #1\@Roman \@autodottrue\fi
26     \ifx #1\@roman \@autodottrue\fi
27     \ifx #1\romannumeral \@autodottrue\fi
28   \fi
29   \@maybeautodot
30 }
```

8.48 tocloft-xepersian.def

```
1 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
3 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
4 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
5 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
6 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
7 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
8 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
9 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
10 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
11 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}
```

8.49 xepersian.sty

```
1 \NeedsTeXFormat{LaTeX2e}
```

```

2 \def\xepersianversion{v1.1.0}
3 \def\xepersiancommit{commit 100}
4 \def\xepersiandate{2011/03/21}
5 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space <\xepersiancommit>
6 Persian typesetting in XeLaTeX]
7 \RequirePackage{fontspec}
8 \RequirePackage{xepersian-persiancal}
9 \RequirePackage{xepersian-mathsdigitspec}
10 \RequirePackage{etoolbox}
11 \RequirePackage[RTLdocument]{bidi}
12 \edef\xepersianinfo{%
13 xepersian package (Persian for LaTeX over XeTeX)^J
14 Description: The package supports Persian^J
15 typesetting, using fonts provided in the distribution.^J
16 Copyright © 2008-2011 Vafa Khalighi^J
17 \xepersianversion, <\xepersiancommit>, \xepersiandate^J
18 License: LaTeX Project Public License, version 1.3c or higher (your choice)^J
19 Home: http://bitbucket.org/vafa/xepersian^J
20 Location on CTAN: /macros/xetex/latex/xepersian}
21 \typeout{\xepersianinfo}
22 \edef\xepersian@everyjob{\the\everyjob}
23 \everyjob{\xepersian@everyjob\typeout{\xepersianinfo}}
24 \if@developmentversion
25   \PackageWarningNoLine{xepersian}{Thanks for testing the development version of xepersian package}
26 \fi
27 \def\prq{«}
28 \def\plq{»}
29 \def\xepersian@cmds@temp#1{%
30   \begingroup\expandafter\expandafter\expandafter\endgroup
31   \expandafter\ifx\csname xepersian@#1\endcsname\relax
32     \begingroup
33       \escapechar=-1 %
34       \edef\x{\expandafter\meaning\csname#1\endcsname}%
35       \def\y{#1}%
36       \def\z##1->{%}
37       \edef\y{\expandafter\z\meaning\y}%
38     \expandafter\endgroup
39     \ifx\x\y
40       \expandafter\def\csname xepersian@#1\endcsname\expandafter\endcsname
41       \expandafter{%
42         \csname#1\endcsname
43       }%
44     \fi
45   \fi
46 }%
47 \xepersian@cmds@temp{shellescape}
48 \newif\ifwritexviii
49 \ifnum\xepersian@shellescape=1\relax
50   \writexviii>true
51 \else

```

```

52 \writexviiifalse
53 \fi
54 \newfontscript{Parsi}{arab}
55 \newfontlanguage{Parsi}{FAR}
56 \newcommand*\settextfont [2] [] {%
57 \newfontfamily\persianfont [Script=Parsi,Language=Parsi,Mapping=parsidigits,#1]{#2}
58 \let\rmdefault\zf@family
59 \normalfont
60 }
61 \newcommand*\setlatintextfont [2] [] {%
62 \newfontfamily\latinfont [Mapping=teX-text,#1]{#2}
63 }
64 \setlatintextfont [ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldital}
65 \let\setlatinsansfont\setsansfont
66 \let\setlatinmonofont\setmonofont
67 \newcommand*\defpersianfont [1] {%
68 \ifnextchar [{\defpersianfont@i#1}{\defpersianfont@i#1 []}]
69 \def\defpersianfont@i#1[#2]#3{%
70 \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#2}{#3}%
71 \edef\@tempa{%
72 \noexpand\DeclareRobustCommand\noexpand#1
73 {\noexpand\fontfamily{\zf@family}\noexpand\selectfont}}%
74 \@tempa}
75 \newcommand*\deflatinfont [1] {%
76 \ifnextchar [{\deflatinfont@i#1}{\deflatinfont@i#1 []}]
77 \def\deflatinfont@i#1[#2]#3{%
78 \zf@fontspec{Mapping=teX-text,#2}{#3}%
79 \edef\@tempa{%
80 \noexpand\DeclareRobustCommand\noexpand#1
81 {\noexpand\fontfamily{\zf@family}\noexpand\selectfont}}%
82 \@tempa}
83 \newcommand\persiansfdefault{}
84 \newcommand\persianttdefault{}
85 \newcommand\iranicdefault{}
86 \newcommand\navardefault{}
87 \newcommand\pookdefault{}
88 \newcommand\sayehdefault{}
89 \DeclareRobustCommand\persiansffamily
90 {\not@math@alphabet\persiansffamily\mathpersiansf
91 \fontfamily\persiansfdefault\selectfont}
92 \DeclareRobustCommand\persianttfamily
93 {\not@math@alphabet\persianttfamily\mathpersiantt
94 \fontfamily\persianttdefault\selectfont}
95 \DeclareRobustCommand\iranicfamily
96 {\not@math@alphabet\iranicfamily\mathiranic
97 \fontfamily\iranicdefault\selectfont}
98 \DeclareRobustCommand\navarfamil
99 {\not@math@alphabet\navarfamil\mathnavar
100 \fontfamily\navardefault\selectfont}
101 \DeclareRobustCommand\pookfamily

```

```

102         {\not@math@alphabet\pookfamily\mathpook
103          \fontfamily\pookdefault\selectfont}
104 \DeclareRobustCommand\sayehfamily
105         {\not@math@alphabet\sayehfamily\mathsayeh
106          \fontfamily\sayehdefault\selectfont}
107 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
108 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
109 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
110 \DeclareTextFontCommand{\textnavar}{\navarfamil}
111 \DeclareTextFontCommand{\textpook}{\pookfamily}
112 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
113 \newcommand*\setpersiansansfont [2] [] {%
114   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
115   \let\persiansfdefault\zf@family
116   \normalfont}
117 \newcommand*\setpersianmonofont [2] [] {%
118   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
119   \let\persianttdefault\zf@family
120   \normalfont}
121 \newcommand*\setnavarfont [2] [] {%
122   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
123   \let\navardefault\zf@family
124   \normalfont}
125 \newcommand*\setpookfont [2] [] {%
126   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
127   \let\pookdefault\zf@family
128   \normalfont}
129 \newcommand*\setsayehfont [2] [] {%
130   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
131   \let\sayehdefault\zf@family
132   \normalfont}
133 \newcommand*\setiranicafont [2] [] {%
134   \zf@fontspec{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}%
135   \let\iranicadefault\zf@family
136   \normalfont}
137 \def\resetlatinfont{%
138 \let\normalfont\latinfont%
139 \latinfont}
140 \def\setpersianfont{%
141 \let\normalfont\persianfont%
142 \persianfont}
143 \def\lr#1{\LRE{\latinfont#1}}
144 \def\rl#1{\RLE{\persianfont#1}}
145 \def\latin{\LTR\LatinAlphs@Latintrue@RTL@footnotefalse\resetlatinfont}
146 \def\endlatin{\endLTR}
147 \def\persian{\RTL\PersianAlphs@RTL@footnotetrue\setpersianfont}
148 \def\endpersian{\endRTL}
149 \let\originaltoday=\today
150 \def\today{\lr{\originaltoday}}
151 \let\latintoday\today

```

```

152 \def\today{\rl{\persiantoday}}
153 \DeclareRobustCommand\Latincite{%
154 \ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
155 \def\@Latincitex[#1]#2{\leavevmode
156 \let\@citea\@empty
157 \@cite{\@for\@citeb:=#2\do
158 {\@citea\def\@citea{\lr{,}\penalty\@m }%
159 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
160 \iffiles\immediate\write\@auxout{\string\citation{\@citeb}}\fi
161 \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries\lr{?}}}%
162 \G@refundefinedtrue
163 \@latex@warning
164 {Citation ``\@citeb' on page \thepage \space undefined}}%
165 {\@cite@ofmt{\lr{\csname b@\@citeb\endcsname}}}\@#1}}
166 \def\@outputpage{%
167 \begingroup % the \endgroup is put in by \aftergroup
168 \let \protect \noexpand
169 \@resetactivechars
170 \global\let\@if@newlist\if@newlist
171 \global\@newlistfalse
172 \@parboxrestore
173 \shipout \vbox{%
174 \set@typeset@protect
175 \aftergroup \endgroup
176 \aftergroup \set@typeset@protect
177 % correct? or just restore by ending
178 % the group?
179 \if@specialpage
180 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}}%
181 \fi
182 \if@twoside
183 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
184 \let\@themargin\oddsidemargin
185 \else \let\@thehead\@evenhead
186 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
187 \fi
188 \ifx\@thehead\@empty \let\@thehead\hfil \fi
189 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
190 \else %% not @twoside
191 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
192 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
193 \fi
194 \reset@font
195 \normalsize
196 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
197 \normalsfcodes
198 \let\label\@gobble
199 \let\index\@gobble
200 \let\glossary\@gobble
201 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@

```

```

202 \@begin{dvi}
203 \vskip \topmargin
204 \moveright\@themargin \vbox {%
205 \setbox\@tempboxa \vbox to\headheight{%
206 \vfil
207 \color@hbox
208 \normalcolor
209 \hb@xt@\textwidth{\if@RTLmain\beginR\fi\@thehead\if@RTLmain\endR\fi}%
210 \color@endbox
211 }% %% 22 Feb 87
212 \dp\@tempboxa \z@
213 \box\@tempboxa
214 \vskip \headsep
215 \box\@outputbox
216 \baselineskip \footskip
217 \color@hbox
218 \normalcolor
219 \hb@xt@\textwidth{\if@RTLmain\beginR\fi\@thefoot\if@RTLmain\endR\fi}%
220 \color@endbox
221 }%
222 }%
223 \global\let\if@newlist\@if@newlist
224 \global \colht \textheight
225 \stepcounter{page}%
226 \let\firstmark\botmark
227 }
228 \newcommand\twocolumnstableofcontents{%
229 \@ifpackageloaded{multicol}{%
230 \begin{multicols}{2}[\section*{\contentsname}]%
231 \small
232 \@starttoc{toc}%
233 \end{multicols}}
234 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for being
235 \def\XePersian{\leavevmode$\smash{\hbox{X}\lower.5ex
236 \hbox{\kern-.125em\reflect{E}}Persian}}$}
237 \def\figurename{\if@RTL else\ Figure\fi}
238 \def\tablename{\if@RTL else\ Table\fi}
239 \def\contentsname{\if@RTL else\ Contents\fi}
240 \def\listfigurename{\if@RTL else\ List of Figures\fi}
241 \def\listtablename{\if@RTL else\ List of Tables\fi}
242 \def\appendixname{\if@RTL else\ Appendix\fi}
243 \def\indexname{\if@RTL else\ Index\fi}
244 \def\refname{\if@RTL else\ References\fi}
245 \def\abstractname{\if@RTL else\ Abstract\fi}
246 \def\partname{\if@RTL else\ Part\fi}
247 \def\datename{\if@RTL else\ Date:\fi}
248 \def\@and{\if@RTL else\ and\fi}
249 \def\bibname{\if@RTL else\ Bibliography\fi}
250 \def\chaptername{\if@RTL else\ Chapter\fi}
251 \def\ccname{\if@RTL else\ cc\fi}

```

```

252 \def\enclname{\if@RTL else\   encl\fi}
253 \def\pagename{\if@RTL else\   Page\fi}
254 \def\headtoname{\if@RTL else\ To\fi}
255 \def\proofname{\if@RTL else\   Proof\fi}
256 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
257 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
258 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
259 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
260 \def\@adadi#1{\ifcase#1 \or or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
261 \def\adadi#1{\expandafter\@adadi\csname c@#1\endcsname}
262 \def\@tartibi#1{\ifcase#1 \or \or \or \or \or \or \or \or \or \or \or \or \or \or \or
263 \def\tartibi#1{\expandafter\@tartibi\csname c@#1\endcsname}
264 \providecommand*\xpg@warning}[1]{%
265   \PackageWarning{XePersian}%
266   {#1}}
267 \ifcsdef{abjad}{-}{%
268 \def\abjad#1{%
269 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
270 \else
271   \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
272   \else
273     \ifnum#1<10\expandafter\abj@num@i\number#1%
274     \else
275       \ifnum#1<100\expandafter\abj@num@ii\number#1%
276       \else
277         \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
278         \else
279           \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
280           \fi
281           \fi
282           \fi
283           \fi
284           \fi
285 \fi
286 }
287 \def\abjad@zero{}
288 \def\abj@num@i#1{%
289   \ifcase#1\or or\ or\ or\ %
290     \or or\ or\ or\ or\ fi\
291   \ifnum#1=\z@\abjad@zero\fi}
292 \def\abj@num@ii#1{%
293   \ifcase#1\or or\ or\ or\ or\ %
294     \or or\ or\ or\ fi\
295   \ifnum#1=\z@\fi\abj@num@i}
296 \def\abj@num@iii#1{%
297   \ifcase#1\or or\ or\ or\ or\ %
298     \or or\ or\ or\ fi\
299   \ifnum#1=\z@\fi\abj@num@ii}
300 \def\abj@num@iv#1{%
301   \ifcase#1\or fi\

```



```

302 \ifnum#1=\z@\fi\abj@num@iii}
303 }
304 \let\@latalph\@alph%
305 \let\@latinAlph\@Alph%
306 \def\PersianAlphs{%
307 \let\@alph\abjad%
308 \let\@Alph\abjad%
309 }
310 \def\LatinAlphs{%
311 \let\@alph\@latalph%
312 \let\@Alph\@latinAlph%
313 }
314 \PersianAlphs
315 \@ifdefinitionfileloaded{loadingorder-bidi}{\input{loadingorder-bidi-xepersian.def}}{}
316 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
317 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
318 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
319 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
320 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
321 \@ifpackageloaded{bidi}{\input{footnote-bidi-xepersian.def}}{}
322 \@ifpackageloaded{bidicode}{\input{bidicode-xepersian.def}}{}
323 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
324 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
325 \@ifpackageloaded{empheq}{\input{empheq-xepersian.def}}{}
326 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
327 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
328 \@ifpackageloaded{multicol}{\input{multicol-xepersian.def}}{}
329 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}{}
330 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
331 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
332 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
333 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
334 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
335 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
336 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
337 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
338 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
339 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
340 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
341 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
342 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
343 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
344 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
345 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
346 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
347 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
348 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
349 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
350 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
351 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}

```

```

352 \DeclareOption{Kashida}{\input{kashida-xepersian.def}}
353 \DeclareOption{localise}{\input{localise-xepersian.def}}
354 \DeclareOption{extrafootnotefeatures}{\input{extrafootnotefeatures.def}}
355 \DeclareOption{quickindex}{%
356 \ifwritexviii%
357 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir class}}
358 \renewcommand\printindex{\newpage%
359 \immediate\closeout\@indexfile
360 \immediate\write18{xindy -L persian -C utf8 -M texindy \jobname.idx}
361 \@input@\jobname.ind}}%
362 \else
363 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --shell-escape"}
364 \fi}
365 \ExecuteOptions{localise}
366 \ProcessOptions

```

8.50 xepersian-magazine.cls

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3 \RequirePackage{ifthen}
4 \newlength{\xepersian@imgsize}
5 \newlength{\xepersian@coltitsize}
6 \newlength{\xepersian@pageneed}
7 \newlength{\xepersian@pageleft}
8 \newlength{\xepersian@indexwidth}
9 \newcommand{\xepersian@ncolumns}{0}
10 \newlength{\columnlines}
11 \setlength{\columnlines}{0 pt} % no lines by default
12 \newboolean{xepersian@hyphenatedtitles}
13 \setboolean{xepersian@hyphenatedtitles}{true}
14 \newboolean{xepersian@ninepoints}
15 \setboolean{xepersian@ninepoints}{false}
16 \newboolean{xepersian@showgrid}
17 \setboolean{xepersian@showgrid}{false}
18 \newboolean{xepersian@a3paper}
19 \setboolean{xepersian@a3paper}{false}
20 \newboolean{xepersian@insidefrontpage}
21 \setboolean{xepersian@insidefrontpage}{false}
22 \newboolean{xepersian@insideweather}
23 \setboolean{xepersian@insideweather}{false}
24 \newboolean{xepersian@insideindex}
25 \setboolean{xepersian@insideindex}{false}
26 \newcount\xepersian@gridrows
27 \newcount\xepersian@gridcolumns
28 \xepersian@gridrows=40
29 \xepersian@gridcolumns=50
30 \newcount\minraggedcols
31 \minraggedcols=5
32 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}

```

```

33 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
34 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
35 \DeclareOption{twocolumn}%
36 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
37 \DeclareOption{notitlepage}%
38 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
39 \DeclareOption{twoside}%
40 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
41 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
42 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
43 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
44 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
45 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
46 \ProcessOptions\relax
47 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
48 \RequirePackage{ifxetex}
49 \RequirePackage{multido}
50 \RequirePackage{datetime}
51 \RequirePackage{multicol}
52 \RequirePackage{fancyhdr}
53 \RequirePackage{fancybox}
54 \ifthenelse{\boolean{xepersian@a3paper}}{%
55 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
56 }{
57 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
58 }
59 \RequirePackage[absolute]{textpos} % absolute positioning
60 \RequirePackage{hyphenat} % when hyphenate
61 \RequirePackage{lastpage} % to know the last page number
62 \RequirePackage{setspace} % set space between lines
63 \RequirePackage{ragged2e}
64 \newcommand{\raggedFormat}{\RaggedLeft}
65 \AtEndOfClass{\xepersianInit}
66 \ifthenelse{\boolean{xepersian@showgrid}}{%
67 \AtBeginDocument{
68 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
69 \advance\minraggedcols by -1
70 }{%
71 \AtBeginDocument{
72 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
73 \advance\minraggedcols by -1
74 }
75 \ifthenelse{\boolean{xepersian@ninepoints}}{
76 \renewcommand{\normalsize}{%
77 \setfontsize{\normalsize}{9pt}{10pt}%
78 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
79 \setlength{\belowdisplayskip}{\abovedisplayskip}%
80 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
81 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
82

```

```

83 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
84
85 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
86
87 \renewcommand{\small}{%
88   \@setfontsize{\small}{8pt}{9pt}%
89   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
90   \setlength{\belowdisplayskip}{\abovedisplayskip}%
91   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
92   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
93
94 \renewcommand{\footnotesize}{%
95   \@setfontsize{\footnotesize}{8pt}{9pt}%
96   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
97   \setlength{\belowdisplayskip}{\abovedisplayskip}%
98   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
99   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
100
101 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
102 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
103 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
104 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
105 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
106 }{}
107 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
108 \newcommand{\xepersian@wwwFormat}{\sfamily}
109 \newcommand{\xepersian@www}{%
110 \raisebox{-3pt}{\@xepersian@wwwFormat\@customwwwTxt}}
111 }
112 \newcommand{\xepersian@edition}{
113 \newcommand{\editionFormat}{\large\bfseries\texttt}
114 \newcommand{\xepersian@editionLogo}{%
115 \raisebox{-3pt}{%
116 {\editionFormat\xepersian@edition}%
117 }%
118 }
119 \newcommand{\indexFormat}{\large\bfseries}
120 \newcommand{\xepersian@indexFrameTitle}[1]
121 {\begin{flushright}{\indexFormat #1}\end{flushright}}
122
123 \newcommand{\indexEntryFormat}{\normalsize}
124 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
125 {\indexEntryFormat\noindent\ignorespaces{#1}}%
126 \end{minipage}}
127 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
128 \newcommand{\indexEntryPageTxt}{
129 \newcommand{\indexEntryPageFormat}{\footnotesize}
130 \newcommand{\xepersian@indexEntryPage}[1]{%
131 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
132 }

```

```

133 \newcommand{\headDateTimeFormat}{}
134 \newcommand{\xepersian@headDateTime}{%
135 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
136 \currenttime %
137 }
138 \newcommand{\weatherFormat}{\bfseries}
139 \newcommand{\xepersian@weather}[1]{%
140 \noindent{\weatherFormat #1}%
141 }
142 \newcommand{\weatherTempFormat}{\small}
143 \newcommand{\weatherUnits}{\textdegree{C}}
144 \newcommand{\xepersian@section}[0]{ {
145 \newcommand{\xepersian@headleft}{%
146 {\small\bfseries \@custommagazinename} \date
147 }
148 \newcommand{\xepersian@headcenter}{%
149 \xepersian@section{
150 }
151 \newcommand{\xepersian@headright}{%
152 \small\xepersian@edition%
153 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
154 }
155 }
156 \newcommand{\heading}[3]{%
157 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
158 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
159 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
160 }
161 \newcommand{\xepersian@footright}{%
162 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
163 }
164 \newcommand{\xepersian@footcenter}{%
165 }
166 \newcommand{\xepersian@footleft}{%
167 }
168 }
169 \newcommand{\foot}[3]{%
170 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
171 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
172 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
173 }
174 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
175 \newcommand{\xepersian@firstTitle}[1]{%
176 {%
177 \begin{spacing}{2.0}{%
178 \noindent\ignorespaces
179 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
180 {\nohyphens{\firstTitleFormat #1}}%
181 {\firstTitleFormat #1}}%
182 }%

```

```

183 \end{spacing}%
184 }%
185 }
186 \newcommand{\firstTextFormat}{}
187 \newcommand{\xepersian@firstText}[1]{%
188 {\noindent\ignorespaces\firstTextFormat #1}%
189 }
190 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
191 \newcommand{\xepersian@secondTitle}[1]{%
192 \begin{spacing}{1.5}{%
193 \noindent\ignorespaces\flushright
194 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
195 {\nohyphens{\secondTitleFormat #1}}%
196 {\{\secondTitleFormat #1}}%
197 }\end{spacing}%
198 }
199 \newcommand{\secondSubtitleFormat}{\large}
200 \newcommand{\xepersian@secondSubtitle}[1]{%
201 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
202 }
203 \newcommand{\secondTextFormat}{}
204 \newcommand{\xepersian@secondText}[1]{%
205 \begin{multicols}{2}
206 {\noindent\ignorespaces\secondTextFormat #1}
207 \end{multicols}
208 }
209 \newcommand{\thirdTitleFormat}{\Large\bfseries}
210 \newcommand{\xepersian@thirdTitle}[1]{%
211 \begin{spacing}{1.5}{%
212 \noindent\ignorespaces\flushright
213 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
214 {\nohyphens{\thirdTitleFormat #1}}%
215 {\{\thirdTitleFormat #1}}%
216 }\end{spacing}%
217 }
218 \newcommand{\thirdSubtitleFormat}{\large}
219 \newcommand{\xepersian@thirdSubtitle}[1]{%
220 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
221 \newcommand{\thirdTextFormat}{}
222 \newcommand{\xepersian@thirdText}[1]{\{\thirdTextFormat #1}}
223 \newcommand{\pictureCaptionFormat}{\small\bfseries}
224 \newcommand{\xepersian@pictureCaption}[1]{%
225 {\noindent\pictureCaptionFormat #1}%
226 }
227 \newcommand{\pagesFormat}{\bfseries\footnotesize}
228 \newcommand{\xepersian@pages}[1]{%
229 {\noindent{\pagesFormat\MakeUppercase{#1}}%
230 \newcommand{\innerTitleFormat}{\Huge}
231 \newcommand{\xepersian@innerTitle}[1]{%
232 \begin{flushright}{%

```

```

233 \noindent
234 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
235 {\nohyphens{innerTitleFormat #1}}%
236 {{\innerTitleFormat #1}}%
237 }%
238 \\%
239 \end{flushright}%
240 }
241 \newcommand{innerSubtitleFormat}{\large}
242 \newcommand{xepersian@innerSubtitle}[1]{{\innerSubtitleFormat #1}}
243 \newcommand{timestampTxt}{}
244 \newcommand{timestampSeparator}{|}
245 \newcommand{timestampFormat}{\small}
246 \newcommand{timestamp}[1]{%
247 {\timestampFormat%
248 #1~\timestampTxt}%
249 }~\timestampSeparator}%
250 }
251 \newcommand{innerAuthorFormat}{\footnotesize}
252 \newcommand{innerPlaceFormat}{\footnotesize\bfseries}
253 \newcommand{innerTextFinalMark}{\rule{0.65em}{0.65em}}
254 \newcommand{editorialTitleFormat}{\LARGE\textit}
255 \newcommand{xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
256 \newcommand{editorialAuthorFormat}{\textsc}
257 \newcommand{shortarticleTitleFormat}{\LARGE\bfseries}
258 \newcommand{xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
259 \newcommand{shortarticleSubtitleFormat}{\Large}
260 \newcommand{xepersian@shortarticleSubtitle}[1]{{\shortarticleSubtitleFormat #1}}
261 \newcommand{shortarticleItemTitleFormat}{\large\bfseries}
262 \newcommand{xepersian@shortarticleItemTitle}[1]{{\shortarticleItemTitleFormat #1}}
263 \renewcommand{maketitle}{\begin{titlepage}%
264 \let\footnotesize\small
265 \let\footnoterule\relax
266 \let \footnote \thanks
267 \null\vfil
268 \vskip 60\p@
269 \begin{center}%
270 {\LARGE \@title \par}%
271 \vskip 1em%
272 {\LARGE «\xepersian@edition» \par}%
273 \vskip 3em%
274 {\large
275 \lineskip .75em%
276 \begin{tabular}[t]{c}%
277 \@author
278 \end{tabular}\par}%
279 \vskip 1.5em%
280 {\large \@date \par}%
281 \end{center}\par
282 \@thanks

```

```

283 \vfil\null
284 \end{titlepage}%
285 \setcounter{footnote}{0}%
286 \global\let\thanks\relax
287 \global\let\maketitle\relax
288 \global\let\@thanks\@empty
289 \global\let\@author\@empty
290 \global\let\@date\@empty
291 \global\let\@title\@empty
292 \global\let\title\relax
293 \global\let\author\relax
294 \global\let\date\relax
295 \global\let\and\relax
296 }
297 \newcommand{\xepersian@say}[1]{\typeout{#1}}
298 \newsavebox{\xepersian@fmbbox}
299 \newenvironment{xepersian@fmpage}[1]
300 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
301 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
302 \newcommand{\image}[2]{
303 \vspace{5pt}
304 \setlength{\fboxsep}{1pt}
305 \addtolength{\xepersian@imgsize}{\columnwidth}
306 \addtolength{\xepersian@imgsize}{-1\columnsep}
307 \ifxetex
308 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
309 \addtolength{\xepersian@pageneed}{50pt}
310 \ClassWarning{xepersian-magazine}{%
311 Image #1 needs: \the\xepersian@pageneed \space %
312 and there is left: \the\page@free\space%
313 }
314 \ifdim \xepersian@pageneed < \page@free
315
316 {\centering\fbox{%
317 \includegraphics[width = \xepersian@imgsize,
318 height = \xepersian@imgsize,
319 keepaspectratio ]{#1}}}
320 \xepersian@pictureCaption{#2}
321
322 \vspace{5pt}
323 \else
324 \ClassWarning{Image #1 needs more space!%
325 It was not inserted!}
326 \fi
327 \fi
328 }
329 \textblockorigin{1cm}{1cm}
330 \newdimen\xepersian@dx
331 \newdimen\xepersian@dy
332 \newcount\xepersian@cx

```



```

333 \newcount\xepersian@cy
334 \newcommand{\grid}[3][]{
335 \xepersian@dx=\textwidth%
336 \xepersian@dy=\textheight%
337 \xepersian@cx=#3% %columns
338 \xepersian@cy=#2% %rows
339
340 \count1=#3%
341 \advance\count1 by 1
342
343 \count2=#2%
344 \advance\count2 by 1
345
346 \divide\xepersian@dx by #3
347 \divide\xepersian@dy by #2
348
349 \setlength{\TPHorizModule}{\xepersian@dx}
350 \setlength{\TPVertModule}{\xepersian@dy}
351
352 \ifthenelse{\equal{#1}{show}}{
353 \multido{\xepersian@nrow=0+1}{\count2}{
354 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
355 \rule[0pt]{\textwidth}{.1pt}
356 \end{textblock}
357 }
358
359 \multido{\xepersian@ncol=0+1}{\count1}{
360 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
361 \rule[0pt]{.1pt}{\textheight}
362 \end{textblock}
363 }
364 }{}
365 }
366 \newcommand{\xepersianInit}{
367 \setlength{\headheight}{14pt}
368 \renewcommand{\headrulewidth}{0.4pt}
369
370 \pagestyle{fancy}
371
372 \setlength{\columnseprule}{\columnlines}
373 \setlength{\fboxrule}{0.1 pt}
374
375 }
376
377 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
378 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
379 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
380 \newcommand{\logo}[0]{
381 %% Heading %%
382 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www

```

```

383
384 \vspace*{-3pt}
385
386 {\Large\bfseries \@customlogo}
387 \hrulefill
388 \hspace{10pt}\xepersian@headDateTime
389
390 }
391 \newcommand{\minilogo}[0]{
392 {\large\bfseries \@customminilogo}
393
394 \vspace*{5pt}
395 }
396 \newcommand{\mylogo}[1]{
397 {\beginR#1\endR}
398
399 \noindent
400 \xepersian@editionLogo\hspace{5pt}
401 \hrulefill
402 \hspace{5pt}\xepersian@headDateTime
403 }
404 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
405 \newenvironment{frontpage}[0]
406 {
407 \setboolean{xepersian@insidefrontpage}{true}
408 \thispagestyle{empty}
409 \logo
410
411 }%
412 {
413 \thispagestyle{empty}
414 \clearpage
415 \newpage
416 \fancyhead{}
417 \fancyfoot{}
418 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
419 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
420 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
421 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
422 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
423 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
424 \renewcommand{\headrulewidth}{0.4pt}
425 \setboolean{xepersian@insidefrontpage}{false}
426
427 }
428 \newcommand{\firstarticle}[3]
429 {
430 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
431 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
432 \begin{textblock}{24}(22,5)

```

```

433 }
434 {
435 \begin{textblock}{28}(22,5)
436 }
437 \vspace{-7pt}
438 \xepersian@firstTitle{#1}
439 \end{textblock}
440 \begin{textblock}{29}(22,10)
441 \vspace{5pt plus 2pt minus 2pt}
442
443 \xepersian@firstText{\timestamp{#3}~#2}
444
445 \end{textblock}
446
447 \begin{textblock}{50}(0,15)
448 \rule{50\TPHorizModule}{.3pt}
449 \end{textblock}
450 }{%else
451 \ClassError{xepersian-magazine}{%
452 \protect\firstarticle\space in a wrong place.\MessageBreak
453 \protect\firstarticle\space may only appear inside frontpage environment.
454 }{%
455 \protect\firstarticle\space may only appear inside frontpage environment.
456 }%
457 }
458 }
459 \newcommand{\secondarticle}[5]
460 {
461 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
462 \begin{textblock}{33}(2,16)
463 \xepersian@pages{#4}
464 \vspace{-5pt}
465 \xepersian@secondTitle{#1}
466
467 \vspace*{5pt}
468
469 \xepersian@secondSubtitle{#2}
470
471 \vspace*{-7pt}
472
473 \xepersian@secondText{\timestamp{#5}~#3}
474
475 \end{textblock}
476
477 \begin{textblock}{33}(2,25)
478 \vspace{5pt plus 2pt minus 2pt}
479
480 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
481 \end{textblock}
482 }{%else

```

```

483 \ClassError{xepersian-magazine}{%
484 \protect\secondarticle\space in a wrong place.\MessageBreak
485 \protect\secondarticle\space may only appear inside frontpage environment.
486 }{%
487 \protect\secondarticle\space may only appear inside frontpage environment.
488 }%
489 }
490 }
491 \newcommand{\thirdarticle}[6]
492 {
493 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
494 \begin{textblock}{32}(2,26)
495 \xepersian@pages{#5}
496 \vspace{-5pt}
497 \setlength{\fboxsep}{1pt}
498 \xepersian@thirdTitle{#1}
499
500 \vspace*{5pt}
501
502 \xepersian@thirdSubtitle{#2}
503
504 \vspace*{5pt}
505
506 {\noindent\ignorespaces %
507 \ifthenelse{\equal{#4}{}}{}}
508
509 \xepersian@thirdText{\timestamp{#6}~#3}
510
511 }
512
513 \vspace*{5pt}
514
515 \end{textblock}
516 }{%else
517 \ClassError{xepersian-magazine}{%
518 \protect\thirdarticle\space in a wrong place.\MessageBreak
519 \protect\thirdarticle\space may only appear inside frontpage environment.
520 }{%
521 \protect\thirdarticle\space may only appear inside frontpage environment.
522 }%
523 }
524 }
525 \newcommand{\firstimage}[2]
526 {
527 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
528 \begin{textblock}{18}(2,5)
529 \setlength{\fboxsep}{1pt}
530 \ifxetex % only in PDF
531 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
532 \fi

```

```

533
534 \xepersian@pictureCaption{#2}
535 \end{textblock}%
536 }
537 {\ClassError{xepersian-magazine}{%
538 \protect\firstimage\space in a wrong place.\MessageBreak
539 \protect\firstimage\space may only appear inside frontpage environment.
540 }{%
541 \protect\firstimage\space may only appear inside frontpage environment.
542 }}
543 }%
544 \newcommand{\weatheritem}[5]{%
545 \ifthenelse{\boolean{xepersian@insideweather}}{
546 \begin{minipage}{45pt}
547 \ifxetex
548 \includegraphics[width=40pt]{#1}
549 \fi
550 \end{minipage}
551 \begin{minipage}{50pt}
552 \weatherTempFormat
553 #2\\
554 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
555 #5
556 \end{minipage}
557 }{%else
558 \ClassError{xepersian-magazine}{%
559 \protect\weatheritem\space in a wrong place.\MessageBreak
560 \protect\weatheritem\space may only appear inside weatherblock environment.
561 }{%
562 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
563 weatherblock environment may only appear inside frontpage environment.
564 }%
565 }
566 }
567 \newenvironment{weatherblock}[1]
568 {
569 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
570 \setboolean{xepersian@insideweather}{true}
571 \begin{textblock}{32}(2,38)
572 \vspace*{-15pt}
573
574 \xepersian@weather{\beginR#1\endR}
575
576 \vspace*{5pt}
577
578 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
579 \begin{minipage}{32\TPHorizModule}
580 \hspace{5pt}
581
582 }{%

```

```

583 \ClassError{xepersian-magazine}{%
584 weatherblock in a wrong place.\MessageBreak
585 weatherblock may only appear inside frontpage environment.
586 }{%
587 weatherblock may only appear inside frontpage environment.
588 }
589 }
590 }%
591 {
592 \end{minipage}
593 \end{xepersian@fmpage}
594 \end{textblock}
595 \setboolean{xepersian@insideweather}{false}
596 }
597 \newenvironment{authorblock}[0]
598 {
599 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
600 \begin{textblock}{15}(36,35)
601 \setlength{\fboxsep}{5pt}
602 \begin{xepersian@fmpage}{13\TPHorizModule}
603 \begin{minipage}{13\TPHorizModule}
604 \centering
605 \minilogo
606
607 }{%else
608 \ClassError{xepersian-magazine}{%
609 authorblock in a wrong place.\MessageBreak
610 authorblock may only appear inside frontpage environment.
611 }{%
612 authorblock may only appear inside frontpage environment.
613 }
614 }
615 }
616 {
617 \end{minipage}
618 \end{xepersian@fmpage}
619 \end{textblock}
620 }
621 \newenvironment{indexblock}[1]
622 {
623 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
624 \setboolean{xepersian@insideindex}{true}%let's in
625 \begin{textblock}{15}(36,16)
626 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
627 \xepersian@indexFrameTitle{#1}
628
629 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
630 \begin{xepersian@fmpage}{\xepersian@indexwidth}
631 \begin{minipage}{\xepersian@indexwidth}
632 \vspace*{10pt}

```

```

633 }{%else
634 \ClassError{xepersian-magazine}{%
635 indexblock in a wrong place.\MessageBreak
636 indexblock may only appear inside frontpage environment.
637 }{%
638 indexblock may only appear inside frontpage environment.
639 }
640 }
641 }%
642 {
643 \end{minipage}
644 \end{xepersian@fmpage}
645 \end{textblock}
646 \setboolean{xepersian@insideindex}{false}%let's out
647 }
648 \newcommand{\indexitem}[2]
649 {
650 \ifthenelse{\boolean{xepersian@insideindex}}{
651 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
652
653 \vspace{0.5cm}
654
655 \noindent\ignorespaces\indexEntrySeparator{}
656 }{%else
657 \ClassError{xepersian-magazine}{%
658 \protect\indexitem\space in a wrong place.\MessageBreak
659 \protect\indexitem\space may only appear inside indexblock environment.
660 }{%
661 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
662 indexblock environment may only appear inside frontpage environment.
663 }%
664 }
665 }
666 \newcommand{\xepersian@inexpandedtitle}[1]{
667 \begin{minipage}{.95\textwidth}
668 \begin{center}
669 \noindent\Large\textbf{\beginR#1\endR}
670 \end{center}
671 \end{minipage}
672 }
673 \newcommand{\expandedtitle}[2]{
674 \end{multicols}
675
676 \begin{center}
677 \setlength{\fboxsep}{5pt}
678 \setlength{\shadowsize}{2pt}
679 \ifthenelse{equal{#1}{shadowbox}}{%
680 \shadowbox{%
681 \xepersian@inexpandedtitle{#2}%
682 }%

```

```

683 }{}
684 \ifthenelse{\equal{#1}{doublebox}}{%
685 \doublebox{%
686 \xepersian@inexpandedtitle{#2}%
687 }%
688 }{}
689 \ifthenelse{\equal{#1}{ovalbox}}{%
690 \ovalbox{%
691 \xepersian@inexpandedtitle{#2}%
692 }%
693 }{}
694 \ifthenelse{\equal{#1}{0ovalbox}}{%
695 \0ovalbox{%
696 \xepersian@inexpandedtitle{#2}%
697 }%
698 }{}
699 \ifthenelse{\equal{#1}{lines}}{
700 \hrule
701 \vspace*{8pt}
702 \begin{center}
703 \noindent\Large\textbf{#2}
704 \end{center}
705 \vspace*{8pt}
706 \hrule
707 }{}
708 \end{center}
709
710 \begin{multicols}{\xepersian@ncolumns{}}
711 \ifnum \xepersian@ncolumns > \minraggedcols
712 \raggedFormat
713 \fi
714 }
715 \newcommand{\xepersian@incolumntitle}[2]{
716 \begin{minipage}{#1}
717 \begin{center}
718 \noindent\normalsize\textbf{#2}
719 \end{center}
720 \end{minipage}
721 }
722
723 \newcommand{\columntitle}[2]{
724 \vspace*{5pt}
725 \begin{center}
726 \setlength{\fboxsep}{5pt}
727 \setlength{\shadowsize}{2pt}
728 \addtolength{\xepersian@coltitsize}{\columnwidth}
729 \addtolength{\xepersian@coltitsize}{-1\columnsep}
730 \addtolength{\xepersian@coltitsize}{-5pt}
731 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
732 \ifthenelse{\equal{#1}{shadowbox}}{%

```



```

733 \shadowbox{%
734 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
735 }%
736 }{}
737 \ifthenelse{\equal{#1}{doublebox}}{%
738 \doublebox{%
739 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
740 }%
741 }{}
742 \ifthenelse{\equal{#1}{ovalbox}}{%
743 \ovalbox{%
744 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
745 }%
746 }{}
747 \ifthenelse{\equal{#1}{Ovalbox}}{%
748 \Ovalbox{%
749 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
750 }%
751 }{}
752 \ifthenelse{\equal{#1}{lines}}{
753 \hrule
754 \vspace*{5pt}
755 \begin{center}
756 \noindent\normalsize\textbf{#2}
757 \end{center}
758 \vspace*{5pt}
759 \hrule
760 }{}
761 \end{center}
762 }
763 \renewcommand{\date}{%
764 \longdate{\today}%
765 }
766 \newcommand{\authorandplace}[2]{%
767 \rightline{%
768 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
769 }%
770 \par %
771 }
772 \newcommand{\newsection}[1]{
773 \renewcommand{\xepersian@section}{#1}
774 }
775 \newenvironment{article}[5]
776 {
777 \xepersian@say{Adding a new piece of article}
778 \renewcommand{\xepersian@ncolumns}{#1}
779 \begin{multicols}{#1}[
780 \xepersian@pages{#4}
781 \xepersian@innerTitle{#2}%
782 \xepersian@innerSubtitle{#3}%

```

```

783 ] [4cm]%
784 \label{#5}
785 \ifnum #1 > \minraggedcols
786 \raggedFormat
787 \fi
788 }
789 {-\innerTextFinalMark{
790 \end{multicols}
791 }
792 \newcommand{\articlesep}{%
793 \setlength{\xepersian@pageneed}{1600pt}
794 \setlength\xepersian@pageleft{\pagegoal}
795 \addtolength\xepersian@pageleft{-\pagetotal}
796
797 \xepersian@say{How much left \the\xepersian@pageleft}
798
799 \ifdim \xepersian@pageneed < \xepersian@pageleft
800 \xepersian@say{Not enough space}
801 \else
802 \xepersian@say{Adding sep line between articles}
803 \vspace*{10pt plus 10pt minus 5pt}
804 \hrule
805 \vspace*{10pt plus 5pt minus 5pt}
806 \fi
807
808 }
809 \newcommand{\xepersian@editorialTit}[2]{
810 \setlength{\arrayrulewidth}{.1pt}
811 \begin{center}
812 \begin{tabular}{c}
813 \noindent
814 \xepersian@editorialTitle{#1}
815 \vspace{2pt plus 1pt minus 1pt}
816 \\
817 \hline
818 \vspace{2pt plus 1pt minus 1pt}
819 \\
820 \editorialAuthorFormat{#2}
821 \end{tabular}
822 \end{center}
823 }
824 \newenvironment{editorial}[4]
825 {
826 \xepersian@say{Adding a new editorial}
827 \begin{multicols}{#1}[%
828 \xepersian@editorialTit{#2}{#3}%
829 ] [4cm]
830 \label{#4}
831 \ifnum #1 > \minraggedcols
832 \raggedFormat

```

```

833 \fi
834 }
835 {
836 \end{multicols}
837 }
838 \newcommand{\xepersian@shortarticleTit}[2]{
839 \begin{center}
840 \vbox{%
841 \noindent
842 \xepersian@shortarticleTitle{#1}
843 \vspace{4pt plus 2pt minus 2pt}
844 \hrule
845 \vspace{4pt plus 2pt minus 2pt}
846 \xepersian@shortarticleSubtitle{#2}
847 }
848 \end{center}
849 }
850 \newenvironment{shortarticle}[4]
851 {
852 \xepersian@say{Adding a short article block}
853 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
854 \label{#4}
855 \par %
856 \ifnum #1 > \minraggedcols
857 \raggedFormat
858 \fi
859 }
860 {
861 \end{multicols}
862 }
863 \newcommand{\shortarticleitem}[2]{
864 \goodbreak
865 \vspace{5pt plus 3pt minus 3pt}
866 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
867 \vspace{5pt plus 3pt minus 3pt}
868 {\noindent #2}\
869 }

```

8.51 xepersian-mathsdigitspec.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{xepersian-mathsdigitspec}
3 [2011/03/01 v0.9 Unicode Persian maths digits in XeLaTeX]
4 %\@zf@mathfalse
5 \ExplSyntaxOn
6 \bool_set_false:N \g_fontspeg_math_bool
7 \ExplSyntaxOff
8 \def\@preamblecmds{}
9 \newcommand\not@onlypreamble[1]{%
10 \def\do##1{\ifx##1\else\noexpand\do\noexpand##1\fi}%

```

```

11 \xdef\@preamblecmds{\@preamblecmds}}
12 \def\gm@notprerr{ can be used only in preamble (\on@line)}
13 \AtBeginDocument{%
14   \def\do#1{\noexpand\do\noexpand#1}%
15   \edef\@preamblecmds{%
16     \def\noexpand\do##1{%
17       \def##1{\noexpand\PackageError{gmutils/LaTeX}%
18         {\noexpand\string##1 \noexpand\gm@notprerr}\noexpand\@eha}}%
19     \@preamblecmds}}
20 \def\nocite#1{%
21   \@bsphack{\setbox0=\hbox{\cite{#1}}\@esphack}
22 \newcommand\XePersian@PackageInfo[1]{\PackageInfo{XePersian-mathsdigitspec}{#1}}
23 \newcommand\SetMathCode[4]{%
24   \XeTeXmathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
25 \newcommand\SetMathCharDef[4]{%
26   \XeTeXmathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
27 \ExplSyntaxOn
28 \cs_new_eq:NN \orig_mathbf:n \mathbf
29 \cs_new_eq:NN \orig_mathit:n \mathit
30 \cs_new_eq:NN \orig_mathrm:n \mathrm
31 \cs_new_eq:NN \orig_mathsf:n \mathsf
32 \cs_new_eq:NN \orig_mathtt:n \mathtt
33 \NewDocumentCommand \new@mathbf { m } {
34   \orig_mathbf:n {
35     \prg_stepwise_inline:nnnn { `0 } { \c_one } { `9 } {
36       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
37     }
38     #1
39   }
40 }
41 \NewDocumentCommand \new@mathit { m } {
42   \orig_mathit:n {
43     \prg_stepwise_inline:nnnn { `0 } { \c_one } { `9 } {
44       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
45     }
46     #1
47   }
48 }
49 \NewDocumentCommand \new@mathrm { m } {
50   \orig_mathrm:n {
51     \prg_stepwise_inline:nnnn { `0 } { \c_one } { `9 } {
52       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
53     }
54     #1
55   }
56 }
57 \NewDocumentCommand \new@mathsf { m } {
58   \orig_mathsf:n {
59     \prg_stepwise_inline:nnnn { `0 } { \c_one } { `9 } {
60       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax

```



```

111 \ifx\newcommand\undefined\else
112   \newcommand{\ZifferAn}{}
113 \fi
114 \mathchardef\ziffer@DotOri="013A
115 {\ZifferAn
116 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
117 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
118 \def\ziffer@check#1#2{%
119   \ifx\n1\endgroup#1\else
120     \ifx\n2\endgroup#1\else
121       \ifx\n3\endgroup#1\else
122         \ifx\n4\endgroup#1\else
123           \ifx\n5\endgroup#1\else
124             \ifx\n6\endgroup#1\else
125               \ifx\n7\endgroup#1\else
126                 \ifx\n8\endgroup#1\else
127                   \ifx\n9\endgroup#1\else
128                     \ifx\n0\endgroup#1\else
129                       \endgroup#2%
130                   \fi
131                 \fi
132             \fi
133           \fi
134         \fi
135       \fi
136     \fi
137   \fi
138 \fi}
139 \fi}
140 \mathcode`.=="8000\relax
141 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
142 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
143 \def\PersianMathsDigits{\def\SetMathsDigits{%
144 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
145 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
146 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
147 \def\AutoMathsDigits{\def\SetMathsDigits{%
148 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
149 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
150 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
151 \AutoMathsDigits
152 \everymath\expandafter{\the\everymath\SetMathsDigits}
153 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

8.52 xepersian-multiplechoice.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
3           Multiple Choice Questionnaire class for Persian in XeLaTeX]
4 \RequirePackage{pifont}

```

```

5 \RequirePackage{fullpage}
6 \RequirePackage{ifthen}
7 \RequirePackage{calc}
8 \RequirePackage{verbatim}
9 \RequirePackage{multicol}
10 \def\@headerfont{\bfseries}
11 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
12 \def\@X{X}
13 \newcommand\X[1]{\gdef\@X{#1}}
14 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
15 \newcommand\makeform@nocorrection{%
16   \addtocontents{frm}{\protect\end{tabular}}
17   \@starttoc{frm}}
18 \newcommand\makeform@correction{%
19   \addtocontents{frm}{\protect\end{tabular}}}
20 \newcommand\makemask@nocorrection{%
21   \addtocontents{msk}{\protect\end{tabular}}
22   \@starttoc{msk}}
23 \newcommand\makemask@correction{%
24   \addtocontents{msk}{\protect\end{tabular}}}
25 \newlength\questionspace
26 \setlength\questionspace{0pt}
27 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
28 \def\@answerstitlefont{\bfseries}
29 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
30 \def\@answernumberfont{\bfseries}
31 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
32 \newcounter{question}\stepcounter{question}
33 \newcounter{@choice}
34 \def\@initorcheck{%
35   \xdef\@choices{\the@choice}%
36   \setcounter{@choice}{1}%
37   \gdef\@arraydesc{|||}%
38   \gdef\@headerline{}%
39   \whiledo{\not{\value{@choice}>\@choices}}{
40     \xdef\@arraydesc{\@arraydesc c|}
41     \def\@appendheader{\g@addto@macro\@headerline}
42     \appendheader{&\protect\@headerfont}
43     \edef\@the@choice{\alph{@choice}}
44     \expandafter\@appendheader\@the@choice
45     \stepcounter{@choice}}%
46   \addtocontents{frm}{%
47     \protect\begin{tabular}{\@arraydesc}
48     \protect\hline
49     \@headerline\protect\\protect\hline\protect\hline}%
50   \addtocontents{msk}{%
51     \protect\begin{tabular}{\@arraydesc}
52     \protect\hline
53     \@headerline\protect\\protect\hline\protect\hline}%
54   \gdef\@initorcheck%

```

```

55 \ifthenelse{\value{@choice} = \@choices}{}{%
56 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
57 (\the@choice\space instead of \@choices)}{%
58 Questions must all have the same number of proposed answers.%
59 \MessageBreak
60 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
61 \newenvironment{question}[1]{%
62 %% \begin{question}
63 \begin{minipage}{\textwidth}
64 \xdef\@formanswerline{\@questionheader}%
65 \xdef\@maskanswerline{\@questionheader}%
66 \fbox{\parbox[c]{\linewidth}{#1}}
67 \vspace\questionspace\par
68 {\@answerstitlefont\@answerstitle}
69 \begin{multicols}{4}
70 \begin{list}{\@answerfont\alph{@choice}}~{\usecounter{@choice}}{%
71 %% \end{question}
72 \end{list}
73 \end{multicols}
74 \@initcheck%
75 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
76 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
77 \end{minipage}
78 \stepcounter{question}}
79 \def\@truesymbol{\ding{52}}~}
80 \def\@falsesymbol{\ding{56}}~}
81 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
82 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
83 \def\@true@nocorrection{\item}
84 \def\@false@nocorrection{\item}
85 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
86 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
87 \newcommand\true{%
88 \xdef\@formanswerline{\@formanswerline&}%
89 \xdef\@maskanswerline{\@maskanswerline&\@X}%
90 \@true}%
91 \newcommand>false{%
92 \xdef\@formanswerline{\@formanswerline&}%
93 \xdef\@maskanswerline{\@maskanswerline&}%
94 \@false}%
95 \def\@correctionstyle{\itshape}
96 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
97 \newenvironment{@correction}{\@correctionstyle}{}
98 \def\@questionheader{ \thequestion}
99 \answerstitle{ {
100 \DeclareOption{nocorrection}{%
101 \let\@true\@true@nocorrection
102 \let\@false\@false@nocorrection
103 \let\correction\comment
104 \let\endcorrection\endcomment

```



```

105 \def\makeform{\makeform@nocorrection}
106 \def\makemask{\makemask@nocorrection}}
107 \DeclareOption{correction}{%
108 \let\@true\@true@correction
109 \let\@false\@false@correction
110 \let\correction\@correction
111 \let\endcorrection\end@correction
112 \def\makeform{\makeform@correction}
113 \def\makemask{\makemask@correction}}
114 \ExecuteOptions{nocorrection}
115 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
116 \def\@questiontitlefont{\bfseries}
117 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
118 \newlength\questiontitlespace
119 \setlength\questiontitlespace{5pt}
120 \newlength\questionsepspace
121 \setlength\questionsepspace{20pt}
122 \gdef\@questionsepspace{0pt}
123 \let\old@question\question
124 \let\old@endquestion\endquestion
125 \renewenvironment{question}[1]{%
126 %% \begin{question}
127 \vspace\@questionsepspace
128 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
129 \nopagebreak\vspace\questiontitlespace\par
130 \old@question{#1}}{%
131 %% \end{question}
132 \old@endquestion
133 \gdef\@questionsepspace{\questionsepspace}}
134 \questiontitle{ \thequestion:}
135 \ProcessOptions

```

8.53 xepersian-persiancal.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{xepersian-persiancal}[2010/07/25 v0.1 provides Persian calendar]
3
4 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
6 \newcount\XePersian@latini \newcount\XePersian@persiani
7 \newcount\XePersian@latinii \newcount\XePersian@persianii
8 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
9 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
10 \newcount\XePersian@latinv \newcount\XePersian@persianv
11 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
12 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
13 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
14 \newcount\XePersian@latinix \newcount\XePersian@persianix
15 \newcount\XePersian@latinx \newcount\XePersian@persianx
16 \newcount\XePersian@latinxi \newcount\XePersian@persianxi

```

```

17 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
18 \newcount\XePersian@persianxiii
19
20 \newcount\XePersian@temp
21 \newcount\XePersian@temptwo
22 \newcount\XePersian@tempthree
23 \newcount\XePersian@yModHundred
24 \newcount\XePersian@thirtytwo
25 \newcount\XePersian@dn
26 \newcount\XePersian@sn
27 \newcount\XePersian@mminusone
28
29 \def\persiantoday{%
30 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
31 \XePersian@temp=\XePersian@y
32 \divide\XePersian@temp by 100\relax
33 \multiply\XePersian@temp by 100\relax
34 \XePersian@yModHundred=\XePersian@y
35 \advance\XePersian@yModHundred by -\XePersian@temp\relax
36 \ifodd\XePersian@yModHundred
37 \XePersian@leapfalse
38 \else
39 \XePersian@temp=\XePersian@yModHundred
40 \divide\XePersian@temp by 2\relax
41 \ifodd\XePersian@temp\XePersian@leapfalse
42 \else
43 \ifnum\XePersian@yModHundred=0%
44 \XePersian@temp=\XePersian@y
45 \divide\XePersian@temp by 400\relax
46 \multiply\XePersian@temp by 400\relax
47 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
48 \else\XePersian@leaptrue
49 \fi
50 \fi
51 \fi
52 \XePersian@latini=31\relax
53 \ifXePersian@leap
54 \XePersian@latinii = 29\relax
55 \else
56 \XePersian@latinii = 28\relax
57 \fi
58 \XePersian@latiniii = 31\relax
59 \XePersian@latiniv = 30\relax
60 \XePersian@latinv = 31\relax
61 \XePersian@latinvi = 30\relax
62 \XePersian@latinvii = 31\relax
63 \XePersian@latinviii = 31\relax
64 \XePersian@latinix = 30\relax
65 \XePersian@latinx = 31\relax
66 \XePersian@latinxi = 30\relax

```

```

67 \XePersian@latinxii = 31\relax
68 \XePersian@thirtytwo=32\relax
69 \XePersian@temp=\XePersian@y
70 \advance\XePersian@temp by -17\relax
71 \XePersian@temptwo=\XePersian@temp
72 \divide\XePersian@temptwo by 33\relax
73 \multiply\XePersian@temptwo by 33\relax
74 \advance\XePersian@temp by -\XePersian@temptwo
75 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
76 \else
77   \XePersian@temptwo=\XePersian@temp
78   \divide\XePersian@temptwo by 4\relax
79   \multiply\XePersian@temptwo by 4\relax
80   \advance\XePersian@temp by -\XePersian@temptwo
81   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
82 \fi
83 \XePersian@tempthree=\XePersian@y           % Number of Leap years
84 \advance\XePersian@tempthree by -1
85 \XePersian@temp=\XePersian@tempthree       % T := (MY-1) div 4
86 \divide\XePersian@temp by 4\relax
87 \XePersian@temptwo=\XePersian@tempthree   % T := T - ((MY-1) div 100)
88 \divide\XePersian@temptwo by 100\relax
89 \advance\XePersian@temp by -\XePersian@temptwo
90 \XePersian@temptwo=\XePersian@tempthree   % T := T + ((MY-1) div 400)
91 \divide\XePersian@temptwo by 400\relax
92 \advance\XePersian@temp by \XePersian@temptwo
93 \advance\XePersian@tempthree by -611     % Number of Kabise years
94 \XePersian@temptwo=\XePersian@tempthree   % T := T - ((SY+10) div 33) * 8
95 \divide\XePersian@temptwo by 33\relax
96 \multiply\XePersian@temptwo by 8\relax
97 \advance\XePersian@temp by -\XePersian@temptwo
98 \XePersian@temptwo=\XePersian@tempthree   %
99 \divide\XePersian@temptwo by 33\relax
100 \multiply\XePersian@temptwo by 33\relax
101 \advance\XePersian@tempthree by -\XePersian@temptwo
102 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
103 \divide\XePersian@tempthree by 4\relax   % T := T - ((SY+10) mod 33) div 4
104 \advance\XePersian@temp by -\XePersian@tempthree
105 \advance\XePersian@temp by -137         % T := T - 137 Adjust the value
106 \XePersian@persiani=31
107 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
108 \XePersian@persianii = 30\relax
109 \ifXePersian@kabiseh
110   \XePersian@persianiii = 30\relax
111 \else
112   \XePersian@persianiii = 29\relax
113 \fi
114 \XePersian@persianiv = 31\relax
115 \XePersian@persianv = 31\relax
116 \XePersian@persianvi = 31\relax

```

```

117 \XePersian@persianvii = 31\relax
118 \XePersian@persianviii= 31\relax
119 \XePersian@persianix = 31\relax
120 \XePersian@persianx = 30\relax
121 \XePersian@persianxi = 30\relax
122 \XePersian@persianxii = 30\relax
123 \XePersian@persianxiii= 30\relax
124 \XePersian@dn= 0\relax
125 \XePersian@sn= 0\relax
126 \XePersian@mminusone=\XePersian@m
127 \advance\XePersian@mminusone by -1\relax
128 \XePersian@i=0\relax
129 \ifnum\XePersian@i < \XePersian@mminusone
130 \loop
131 \advance \XePersian@i by 1\relax
132 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
133 \ifnum\XePersian@i<\XePersian@mminusone \repeat
134 \fi
135 \advance \XePersian@dn by \XePersian@d
136 \XePersian@i=1\relax
137 \XePersian@sn = \XePersian@persiani
138 \ifnum \XePersian@sn<\XePersian@dn
139 \loop
140 \advance \XePersian@i by 1\relax
141 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
142 \ifnum \XePersian@sn<\XePersian@dn \repeat
143 \fi
144 \ifnum \XePersian@i < 4
145 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
146 \advance \XePersian@y by -622\relax
147 \else
148 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
149 \advance \XePersian@y by -621\relax
150 \fi
151 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
152 \endcsname
153 \ifnum\XePersian@i = 1
154 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@pers
155 \else
156 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
157 \fi
158 \beginL\number\XePersian@d\endL\space%
159 \persianmonth{\XePersian@m}\space\beginL\number\XePersian@y\endL%
160 }
161 \def\persianmonth#1{\ifcase#1\or or\
162 or\
163 or\ or\
164 or\
165 or\ or\
166 or\ or\

```

167 or\ or\
 168 {fi\

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