The XePersian *Package*

Source documentation for version 25.5

to my Master, ***Ferdowsi The Great***

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

`https://github.com/xepersian/xepersian/issues`

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

`https://github.com/xepersian/xepersian/discussions`

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The XePersian *Package*

Persian for LaTeX 2_ε, using XeTeX engine

Source documentation for version 25.5

Vafa Khalighi*

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Contents

1 File algorithmic-xepersian.def 2
2 File algorithm-xepersian.def 2
3 File amsart-xepersian.def 2
4 File amsbook-xepersian.def 2
5 File appendix-xepersian.def 3
6 File article-xepersian.def 3
7 File artikel1-xepersian.def 3
8 File artikel2-xepersian.def 3
9 File artikel3-xepersian.def 3
10 File backref-xepersian.def 4
11 File beamer-xepersian.def 4
12 File beamerbasetranslator-xepersian.def 4
13 File bidituftesidenote-xepersian.def 5
14 File bidimoderncv-xepersian.def 5
15 File boek3-xepersian.def 5
16 File boek-xepersian.def 5
17 File bookest-xepersian.def 6
18 File book-xepersian.def 6
19 File breqn-xepersian.def 6
20 File latex-localise-commands-xepersian.def 7
21 File color-localise-xepersian.def 24
22 File xepersian-localise-commands-xepersian.def 25
23 File enumerate-xepersian.def 26
24 File enumitem-xepersian.def 26
25 File latex-localise-environments-xepersian.def 26
26 File xepersian-localise-environments-xepersian.def 27
27 File extarticle-xepersian.def 28
28 File extbook-xepersian.def 28
29 File extrafootnotefeatures-xepersian.def 28
30 File extreport-xepersian.def 28
31 File fancyref-xepersian.def 28
32 File footnote-xepersian.def 31
33 File framed-xepersian.def 31
34 File glossaries-xepersian.def 32
35 File hyperref-xepersian.def 32
36 File imsproc-xepersian.def 33

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37 File kashida-xepersian.def 33
38 File listings-xepersian.def 34
39 File loadingorder-xepersian.def 34
40 File localise-xepersian.def 35
41 File memoir-xepersian.def 37
42 File latex-localise-messages-xepersian.def 37
43 File minitoc-xepersian.def 37
44 File latex-localise-misc-xepersian.def 37
45 File natbib-xepersian.def 44
46 File packages-localise-xepersian.def 48
47 File url-xepersian.def 51
48 File persian-tex-text.map 51
49 File persian-tex-text-nonumbers.map 52
50 File rapport1-xepersian.def 52
51 File rapport3-xepersian.def 53
52 File refrep-xepersian.def 53
53 File report-xepersian.def 53
54 File scrartcl-xepersian.def 53
55 File scrbook-xepersian.def 54
56 File scrreprt-xepersian.def 55
57 File soul-xepersian.def 56
58 File tkz-linknodes-xepersian.def 57
59 File tocloft-xepersian.def 57
60 File varioref-xepersian.def 57
61 File xepersian.sty 59
62 File xepersian-magazine.cls 86
63 File xepersian-mathdigitspec.sty 102
64 File xepersian-multiplechoice.sty 109
65 File xepersian-persiancal.sty 111

1 File algorithmic-xepersian.def

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

2 File algorithm-xepersian.def

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

3 File amsart-xepersian.def

```
\ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 adaptations for amsart class]
\renewcommand \thepart {\@tartibi\c@part}
\def\appendix{\par\c@section\z@ \c@subsection\z@
   \let\sectionname\appendixname
   \def\thesection{\@harfi\c@section}}

```

4 File amsbook-xepersian.def

```
\ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
\def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
```

```
\renewcommand \thepart {\@tartibi\c@part}
\def\appendix{\par
  \c@chapter\z@ \c@section\z@
  \let\chaptername\appendixname
  \def\thechapter{\@harfi\c@chapter}}


```

5 File appendix-xepersian.def

```
\ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
\renewcommand{\@resets@pp}{\par
  \@ppsavesec
  \stepcounter{@pps}
  \setcounter{section}{0}%
  \if@chapter@pp
    \setcounter{chapter}{0}%
    \renewcommand\@chapapp{\appendixname}%
    \renewcommand\thechapter{\@harfi\c@chapter}%
  \else
    \setcounter{subsection}{0}%
    \renewcommand\thesection{\@harfi\c@section}%
  \fi
  \restoreapp
}
```

6 File article-xepersian.def

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

7 File artikel1-xepersian.def

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

8 File artikel2-xepersian.def

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

9 File artikel3-xepersian.def

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

10 File backref-xepersian.def

```
\ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
\def\backrefpagesname{\if@RTL else\    pages\fi}
\def\BR@Latincitex[#1]#2{%
  \BRorg@Latincitex[{#1}]{#2}%
  \ifBR@verbose
    \PackageInfo{backref}{back Latin cite \string`#2\string'}%
  \fi
  \Hy@backout{#2}%
}
\AtBeginDocument{%
  \@ifundefined{NAT@parse}{%
    \global\let\BRorg@Latincitex\@Latincitex
    \global\let\@Latincitex\BR@Latincitex
  }{%
    \@ifpackageloaded{hyperref}{}{%
      \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
    }%
    \PackageInfo{backref}{** backref set up for natbib **}%
  }%
}%
```

11 File beamer-xepersian.def

```
\ProvidesFile{beamer-xepersian.def}[2022/06/27 v0.2 xepersian changes to beamer class]
\usefonttheme[stillsansserifmath]{serif}

\renewcommand*{\bidi@beamer@today}{%
\the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax


```

12 File beamerbasetranslator-xepersian.def

```
\ProvidesFile{beamerbasetranslator-xepersian.def}[2022/06/27 v0.3 xepersian changes to beamer
\newcommand*{\ProvidePersianTranslation}[2]{%
  \providetranslation{#1}{\ifRtoL{#2}{#1}}%
}

\ProvidePersianTranslation{Corollary}{   }
\ProvidePersianTranslation{Definition}{   }
\ProvidePersianTranslation{Definitions}{    }
\ProvidePersianTranslation{Example}{  }
\ProvidePersianTranslation{Examples}{   }
\ProvidePersianTranslation{Fact}{   }
\ProvidePersianTranslation{From?}{ }
```

```
\ProvidePersianTranslation{Lemma}{  }
\ProvidePersianTranslation{Problem}{   }
\ProvidePersianTranslation{Section}{  }
\ProvidePersianTranslation{Solution}{   }
\ProvidePersianTranslation{Subsection}{    }
\ProvidePersianTranslation{Theorem}{  }
\ProvidePersianTranslation{When?}{  }
\ProvidePersianTranslation{Who?}{     }


```

13 File bidituftesidenote-xepersian.def

```
\ProvidesFile{bidituftesidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidituft

\setLTRcitationfont{\resetlatinfont\footnotesize}

\renewcommand*{\@bidituftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}

\renewcommand*{\@bidituftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}


```

14 File bidimoderncv-xepersian.def

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

15 File boek3-xepersian.def

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

16 File boek-xepersian.def

```
\ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
\renewcommand*\thepart{\@tartibi\c@part}
\renewcommand*\frontmatter{%
  \cleardoublepage
  \@mainmatterfalse
  \pagenumbering{harfi}}
\renewcommand*\appendix{\par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
```

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

17 File bookest-xepersian.def

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

18 File book-xepersian.def

```
\ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
\renewcommand\frontmatter{%
    \cleardoublepage
  \@mainmatterfalse
  \pagenumbering{harfi}}
\renewcommand \thepart {\@tartibi\c@part}
\renewcommand\appendix{\par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
  \gdef\thechapter{\@harfi\c@chapter}
}%end appendix
```

19 File breqn-xepersian.def

```
\ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
\def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
  \everydisplay\expandafter{\the\everydisplay \display@setup}%
  \if@noskipsec \leavevmode \fi
  \if@inlabel \leavevmode \global\@inlabelfalse \fi
  \if\eq@group\else\eq@prelim\fi
  \setkeys{breqn}{#1}%
  \the\eqstyle
  \eq@setnumber
  \begingroup
  \eq@setup@a
  \eq@startup
}
\def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
  \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
  \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
  \global\let\GRP@label\@empty
  \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
  \global\grp@linewidth\z@\global\grp@wdNum\z@
  \global\let\grp@eqs@numbered\@False
  \global\let\grp@aligned\@True
  \global\let\grp@shiftnumber\@False
  \eq@prelim
  \setkeys{breqn}{#1}%
```

```
  \if\grp@hasNumber \grp@setnumber \fi
}
\def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
  \let\display@setup\dseries@display@setup
  % Question: should this be the default for dseries???
  \global\eq@wdCond\z@
  \@dmath[layout={M},#1]%
  \mathsurround\z@\@@math \penalty\@Mi
  \let\endmath\ends@math
  \def\premath{%
    \ifdim\lastskip<.3em \unskip
    \else\ifnum\lastpenalty<\@M \dquad\fi\fi
}%
  \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
\ignorespaces
}
```

20 File latex-localise-commands-xepersian.def

```
\ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of
\eqcommand{    }{@arstrut}
\eqcommand{  }{above}
\eqcommand{           }{abovedisplayshortskip}
\eqcommand{        }{abovedisplayskip}
\eqcommand{     }{abstractname}
\eqcommand{   }{accent}
\eqcommand{  }{active}
\eqcommand{       }{addcontentsline}
\eqcommand{      }{addpenalty}
\eqcommand{   }{address}
\eqcommand{      }{addtocontents}
\eqcommand{       }{addtocounter}
\eqcommand{     }{addtolength}
\eqcommand{     }{addvspace}
\eqcommand{      }{adjdemerits}
\eqcommand{    }{advance}
\eqcommand{      }{afterassignment}
\eqcommand{    }{aftergroup}
\eqcommand{  }{aleph}
\eqcommand{       }{aliasfontfeature}
\eqcommand{          }{aliasfontfeatureoption}
\eqcommand{   }{allowbreak}
\eqcommand{  @}{alloc@}
\eqcommand{     }{allocationnumber}
\eqcommand{       }{allowdisplaybreaks}
\eqcommand{    }{Alph}
\eqcommand{    }{alph}
\eqcommand{     }{alsoname}
\eqcommand{}{and}
\eqcommand{   }{angle}
\eqcommand{     }{appendixname}
\eqcommand{   }{approx}
\eqcommand{  }{arabic}
\eqcommand{  }{arg}
```

```
\eqcommand{     }{arrayrulecolor}
\eqcommand{         }{arraycolsep}
\eqcommand{      }{arrayrulewidth}
\eqcommand{      }{arraystretch}
\eqcommand{       }{AtBeginDocument}
\eqcommand{        }{AtEndDocument}
\eqcommand{       }{AtEndOfClass}
\eqcommand{      }{AtEndOfPackage}
\eqcommand{    }{author}
\eqcommand{    }{backmatter}
\eqcommand{    }{backslash}
\eqcommand{    }{badness}
\eqcommand{  }{bar}
\eqcommand{     }{baselineskip}
\eqcommand{       }{baselinestretch}
\eqcommand{       }{batchmode}
\eqcommand{  }{begin}
\eqcommand{   }{beginL}
\eqcommand{    }{beginR}
\eqcommand{    }{begingroup}
\eqcommand{           }{belowdisplayshortskip}
\eqcommand{         }{belowdisplayskip}
\eqcommand{  }{bf}
\eqcommand{     }{bfdefault}
\eqcommand{     }{bfseries}
\eqcommand{   }{bgroup}
\eqcommand{   }{bibitem}
\eqcommand{    }{bibliography}
\eqcommand{      }{bibliographystyle}
\eqcommand{       }{bibname}
\eqcommand{    }{bigskip}
\eqcommand{       }{bigskipamount}
\eqcommand{       }{botfigrule}
\eqcommand{     }{botmark}
\eqcommand{      }{bottompageskip}
\eqcommand{     }{bottomfraction}
\eqcommand{  }{box}
\eqcommand{       }{boxmaxdepth}
\eqcommand{  }{break}
\eqcommand{   }{bullet}
\eqcommand{ @  }{@cclv}
\eqcommand{ @  }{@cclvi}
\eqcommand{  }{caption}
\eqcommand{   }{catcode}
\eqcommand{    }{cc}
\eqcommand{     }{ccname}
\eqcommand{    }{cdot}
\eqcommand{    }{cdots}
\eqcommand{     }{centering}
\eqcommand{   }{centerline}
\eqcommand{@ }{ch@ck}
\eqcommand{  }{chapter}
\eqcommand{    }{chaptername}
\eqcommand{   }{char}
```

```
\eqcommand{     }{chardef}
\eqcommand{    }{CheckCommand}
\eqcommand{  }{cite}
\eqcommand{   }{ClassError}
\eqcommand{    }{ClassInfo}
\eqcommand{    }{ClassWarning}
\eqcommand{       }{ClassWarningNoLine}
\eqcommand{     }{cleaders}
\eqcommand{    }{cleardoublepage}
\eqcommand{   }{clearpage}
\eqcommand{   }{cline}
\eqcommand{    }{closein}
\eqcommand{    }{closeout}
\eqcommand{  }{closing}
\eqcommand{     }{clubpenalty}
\eqcommand{  }{clubsuit}
\eqcommand{         }{colbotmark}
\eqcommand{        }{colfirstmark}
\eqcommand{  }{color}
\eqcommand{   }{colorbox}
\eqcommand{         }{coltopmark}
\eqcommand{   }{columncolor}
\eqcommand{   }{columnsep}
\eqcommand{    }{columnwidth}
\eqcommand{    }{columnseprule}
\eqcommand{    }{contentsline}
\eqcommand{        }{contentsname}
\eqcommand{  }{copy}
\eqcommand{   }{copyright}
\eqcommand{  }{count}
\eqcommand{  @}{count@}
\eqcommand{    }{countdef}
\eqcommand{ }{cr}
\eqcommand{  }{crcr}
\eqcommand{   }{csname}
\eqcommand{    }{CurrentOption}
\eqcommand{     }{dashbox}
\eqcommand{    }{dashv}
\eqcommand{@   }{@date}
\eqcommand{   }{date}
\eqcommand{  }{day}
\eqcommand{       }{dblbotfigrule}
\eqcommand{      }{dblbottomfraction}
\eqcommand{       }{dblfigrule}
\eqcommand{        }{dblfloatpagefraction}
\eqcommand{        }{dblfloatsep}
\eqcommand{        }{dblfntlocatecode}
\eqcommand{         }{dbltextfloatsep}
\eqcommand{      }{dbltopfraction}
\eqcommand{      }{DeclareFixedFont}
\eqcommand{        }{DeclareGraphicsExtensions}
\eqcommand{        }{DeclareGraphicsRule}
\eqcommand{         }{DeclareOldFontCommand}
\eqcommand{     }{DeclareOption}
```

```
\eqcommand{       }{DeclareRobustCommand}
\eqcommand{       }{DeclareSymbolFont}
\eqcommand{    }{deadcycles}
\eqcommand{ }{def}
\eqcommand{  @   }{define@key}
\eqcommand{    }{definecolor}
\eqcommand{  }{deg}
\eqcommand{    }{delcode}
\eqcommand{   }{delimiter}
\eqcommand{     }{delimiterfactor}
\eqcommand{  }{depth}
\eqcommand{  }{diamondsuit}
\eqcommand{   }{dim}
\eqcommand{  }{dimen}
\eqcommand{  @}{dimen@}
\eqcommand{ @  }{dimen@i}
\eqcommand{ @  }{dimen@ii}
\eqcommand{    }{dimendef}
\eqcommand{     }{discretionary}
\eqcommand{     }{displaybreak}
\eqcommand{       }{displayindent}
\eqcommand{    }{displaystyle}
\eqcommand{    }{displaywidth}
\eqcommand{   }{divide}
\eqcommand{     }{documentclass}
\eqcommand{ }{do}
\eqcommand{     }{dospecials}
\eqcommand{  }{dot}
\eqcommand{     }{doteq}
\eqcommand{    }{dotfill}
\eqcommand{  }{dots}
\eqcommand{    }{doublebox}
\eqcommand{         }{doublerulesepcolor}
\eqcommand{       }{doublerulesep}
\eqcommand{    }{downarrow}
\eqcommand{  }{dp}
\eqcommand{   }{dump}
\eqcommand{  }{edef}
\eqcommand{    }{egroup}
\eqcommand{      }{eject}
\eqcommand{  }{else}
\eqcommand{   }{em}
\eqcommand{    }{emergencystretch}
\eqcommand{  }{emph}
\eqcommand{@  }{@empty}
\eqcommand{  }{empty}
\eqcommand{     }{emptyset}
\eqcommand{   }{end}
\eqcommand{    }{endL}
\eqcommand{     }{endR}
\eqcommand{       }{endcsname}
\eqcommand{       }{endfirsthead}
\eqcommand{    }{endfoot}
\eqcommand{   }{endgraf}
```

```
\eqcommand{     }{endgroup}
\eqcommand{    }{endhead}
\eqcommand{      }{endinput}
\eqcommand{       }{endlastfoot}
\eqcommand{       }{enlargethispage}
\eqcommand{   }{endline}
\eqcommand{      }{endlinechar}
\eqcommand{    }{enspace}
\eqcommand{    }{enskip}
\eqcommand{       }{eqcommand}
\eqcommand{      }{eqenvironment}
\eqcommand{    }{eqref}
\eqcommand{   }{errhelp}
\eqcommand{    }{errmessage}
\eqcommand{     }{errorcontextlines}
\eqcommand{        }{errorstopmode}
\eqcommand{     }{escapechar}
\eqcommand{  }{euro}
\eqcommand{    }{evensidemargin}
\eqcommand{  }{everycr}
\eqcommand{    }{everydisplay}
\eqcommand{    }{everyhbox}
\eqcommand{   }{everyjob}
\eqcommand{    }{everymath}
\eqcommand{   }{everypar}
\eqcommand{    }{everyvbox}
\eqcommand{       }{ExecuteOptions}
\eqcommand{          }{exhyphenpenalty}
\eqcommand{     }{expandafter}
\eqcommand{           }{extracolsep}
\eqcommand{@    }{@firstofone}
\eqcommand{@    }{@firstoftwo}
\eqcommand{ @ }{f@ur}
\eqcommand{    }{fam}
\eqcommand{     }{fancypage}
\eqcommand{   }{fbox}
\eqcommand{      }{fboxrule}
\eqcommand{      }{fboxsep}
\eqcommand{     }{fcolorbox}
\eqcommand{ }{fi}
\eqcommand{    }{figurename}
\eqcommand{   }{filbreak}
\eqcommand{ }{fill}
\eqcommand{    }{firstmark}
\eqcommand{  }{flat}
\eqcommand{       }{floatpagefraction}
\eqcommand{     }{floatingpenalty}
\eqcommand{       }{floatsep}
\eqcommand{      }{flushbottom}
\eqcommand{    }{fmtname}
\eqcommand{      }{fmtversion}
\eqcommand{   }{fnsymbol}
\eqcommand{  }{font}
\eqcommand{    }{fontdimen}
```

```
\eqcommand{     }{fontencoding}
\eqcommand{    }{fontfamily}
\eqcommand{   }{fontname}
\eqcommand{    }{fontseries}
\eqcommand{   }{fontshape}
\eqcommand{    }{fontsize}
\eqcommand{       }{footheight}
\eqcommand{     }{footins}
\eqcommand{    }{footnote}
\eqcommand{      }{footnotemark}
\eqcommand{     }{footnoterule}
\eqcommand{       }{footnotesep}
\eqcommand{      }{footnotesize}
\eqcommand{     }{footnotetext}
\eqcommand{        }{footskip}
\eqcommand{  }{frame}
\eqcommand{    }{framebox}
\eqcommand{         }{frenchspacing}
\eqcommand{    }{frontmatter}
\eqcommand{    }{futurelet}
\eqcommand{@     }{@gobble}
\eqcommand{@      }{@gobbletwo}
\eqcommand{@       }{@gobblefour}
\eqcommand{@   }{@gtempa}
\eqcommand{@   }{@gtempb}
\eqcommand{  }{gdef}
\eqcommand{     }{GenericInfo}
\eqcommand{     }{GenericWarning}
\eqcommand{    }{GenericError}
\eqcommand{  }{global}
\eqcommand{     }{globaldefs}
\eqcommand{    }{glossary}
\eqcommand{     }{glossaryentry}
\eqcommand{   }{goodbreak}
\eqcommand{    }{graphpaper}
\eqcommand{    }{guillemotleft}
\eqcommand{     }{guillemotright}
\eqcommand{     }{guilsinglleft}
\eqcommand{      }{guilsinglright}
\eqcommand{   }{halign}
\eqcommand{   }{hang}
\eqcommand{    }{hangafter}
\eqcommand{      }{hangindent}
\eqcommand{    }{hbadness}
\eqcommand{   }{hbox}
\eqcommand{       }{headheight}
\eqcommand{       }{headsep}
\eqcommand{    }{headtoname}
\eqcommand{ }{heartsuit}
\eqcommand{   }{height}
\eqcommand{  }{hfil}
\eqcommand{  }{hfill}
\eqcommand{   }{hfilneg}
\eqcommand{    }{hfuzz}
```

```
\eqcommand{     }{hideskip}
\eqcommand{    }{hidewidth}
\bidi@csletcs{  }{hline}% this is an exception
\eqcommand{   }{hoffset}
\eqcommand{   }{holdinginserts}
\eqcommand{     }{hrboxsep}
\eqcommand{  }{hrule}
\eqcommand{   }{hrulefill}
\eqcommand{   }{hsize}
\eqcommand{   }{hskip}
\eqcommand{   }{hspace}
\eqcommand{   }{hss}
\eqcommand{   }{ht}
\eqcommand{  }{huge}
\eqcommand{   }{Huge}
\eqcommand{    }{hyperlink}
\eqcommand{      }{hypersetup}
\eqcommand{   }{hypertarget}
\eqcommand{    }{hyphenation}
\eqcommand{     }{hyphenchar}
\eqcommand{       }{hyphenpenalty}
\eqcommand{@         }{@ifclassloaded}
\eqcommand{@    }{@ifdefinable}
\eqcommand{@      }{@ifnextchar}
\eqcommand{@        }{@ifpackageloaded}
\eqcommand{@    }{@ifstar}
\eqcommand{@      }{@ifundefined}
\eqcommand{ }{if}
\eqcommand{   @ }{if@tempswa}
\eqcommand{    }{ifcase}
\eqcommand{   }{ifcat}
\eqcommand{     }{ifdefined}
\eqcommand{   }{ifdim}
\eqcommand{     }{ifeof}
\eqcommand{  }{iff}
\eqcommand{    }{iffalse}
\eqcommand{       }{IfFileExists}
\eqcommand{    }{ifhbox}
\eqcommand{    }{ifhmode}
\eqcommand{    }{ifinner}
\eqcommand{      }{ifmmode}
\eqcommand{   }{ifnum}
\eqcommand{   }{ifodd}
\eqcommand{      }{ifthenelse}
\eqcommand{   }{iftrue}
\eqcommand{    }{ifvbox}
\eqcommand{    }{ifvmode}
\eqcommand{   }{ifvoid}
\eqcommand{   }{ifx}
\eqcommand{           }{ignorespaces}
\eqcommand{  }{immediate}
\eqcommand{  }{include}
\eqcommand{    }{includegraphics}
\eqcommand{    }{includeonly}
```

```
\eqcommand{    }{indent}
\eqcommand{    }{index}
\eqcommand{    }{indexentry}
\eqcommand{     }{indexname}
\eqcommand{     }{indexspace}
\eqcommand{   }{input}
\eqcommand{         }{InputIfFileExists}
\eqcommand{       }{inputlineno}
\eqcommand{  }{insert}
\eqcommand{    }{insertpenalties}
\eqcommand{           }{interfootnotelinepenalty}
\eqcommand{          }{interdisplaylinepenalty}
\eqcommand{       }{interlinepenalty}
\eqcommand{    }{intertext}
\eqcommand{        }{intertextsep}
\eqcommand{  }{invisible}
\eqcommand{    }{itdefault}
\eqcommand{     }{itshape}
\eqcommand{  }{item}
\eqcommand{     }{itemindent}
\eqcommand{    }{itemsep}
\eqcommand{   }{iterate}
\eqcommand{   }{itshape}
\eqcommand{   }{jobname}
\eqcommand{  }{jot}
\eqcommand{  }{kern}
\eqcommand{  }{kill}
\eqcommand{   }{label}
\eqcommand{      }{labelenumi}
\eqcommand{      }{labelenumii}
\eqcommand{      }{labelenumiii}
\eqcommand{       }{labelenumiv}
\eqcommand{     }{labelitemi}
\eqcommand{     }{labelitemii}
\eqcommand{     }{labelitemiii}
\eqcommand{      }{labelitemiv}
\eqcommand{     }{labelsep}
\eqcommand{    }{labelwidth}
\eqcommand{  }{language}
\eqcommand{  }{large}
\eqcommand{   }{Large}
\eqcommand{    }{LARGE}
\eqcommand{    }{lastbox}
\eqcommand{    }{lastkern}
\eqcommand{    }{lastpenalty}
\eqcommand{    }{lastskip}
\eqcommand{  }{LaTeX}
\eqcommand{   }{LaTeXe}
\eqcommand{   }{lccode}
\eqcommand{  }{ldots}
\eqcommand{   }{leaders}
\eqcommand{  }{leavevmode}
\eqcommand{ }{left}
\eqcommand{    }{leftmargin}
```

```
\eqcommand{     }{leftmargini}
\eqcommand{     }{leftmarginii}
\eqcommand{     }{leftmarginiii}
\eqcommand{      }{leftmarginiv}
\eqcommand{     }{leftmarginv}
\eqcommand{     }{leftmarginvi}
\eqcommand{    }{leftmark}
\eqcommand{     }{leftpageskip}
\eqcommand{        }{leftskip}
\eqcommand{   }{let}
\eqcommand{  }{line}
\eqcommand{    }{linebreak}
\eqcommand{     }{linepenalty}
\eqcommand{      }{lineskip}
\eqcommand{      }{lineskiplimit}
\eqcommand{      }{linespread}
\eqcommand{    }{linethickness}
\eqcommand{     }{linewidth}
\eqcommand{         }{listfigurename}
\eqcommand{       }{listfiles}
\eqcommand{      }{listoffigures}
\eqcommand{      }{listoftables}
\eqcommand{        }{listparindent}
\eqcommand{         }{listtablename}
\eqcommand{     }{LoadClass}
\eqcommand{          }{LoadClassWithOptions}
\eqcommand{  }{location}
\eqcommand{  }{long}
\eqcommand{    }{looseness}
\eqcommand{       }{lower}
\eqcommand{@  }{@makeother}
\eqcommand{@  }{@m}
\eqcommand{  @ }{@M}
\eqcommand{   @ }{@Mi}
\eqcommand{   @ }{@Mii}
\eqcommand{   @ }{@Miii}
\eqcommand{    @ }{@Miv}
\eqcommand{  @  }{@MM}
\eqcommand{ @ }{m@ne}
\eqcommand{     }{mag}
\eqcommand{  }{magstep}
\eqcommand{    }{magstephalf}
\eqcommand{     }{mainmatter}
\eqcommand{   }{makeatletter}
\eqcommand{    }{makeatother}
\eqcommand{     }{makebox}
\eqcommand{     }{makeglossary}
\eqcommand{     }{makeindex}
\eqcommand{     }{makelabel}
\eqcommand{      }{makelabels}
\eqcommand{       }{MakeLowercase}
\eqcommand{     }{maketitle}
\eqcommand{       }{MakeUppercase}
\eqcommand{    }{marginpar}
```

```
\eqcommand{       }{marginparpush}
\eqcommand{       }{marginparsep}
\eqcommand{      }{marginparwidth}
\eqcommand{   }{mark}
\eqcommand{       }{markboth}
\eqcommand{      }{markright}
\eqcommand{      }{mathaccent}
\eqcommand{      }{mathchar}
\eqcommand{         }{mathchardef}
\eqcommand{    }{mathcode}
\eqcommand{     }{mathrm}
\eqcommand{       }{maxdeadcycles}
\eqcommand{        }{maxdepth}
\eqcommand{     }{maxdimen}
\eqcommand{    }{mbox}
\eqcommand{      }{mdseries}
\eqcommand{  }{meaning}
\eqcommand{  }{mediumseries}
\eqcommand{         }{medmuskip}
\eqcommand{     }{medskip}
\eqcommand{        }{medskipamount}
\eqcommand{     }{medspace}
\eqcommand{  }{message}
\eqcommand{    }{MessageBreak}
\eqcommand{         }{minrowclearance}
\eqcommand{     }{mkern}
\eqcommand{  }{month}
\eqcommand{     }{moveleft}
\eqcommand{      }{moveright}
\eqcommand{     }{mskip}
\eqcommand{ @ }{m@th}
\eqcommand{    }{multicolumn}
\eqcommand{  }{multiply}
\eqcommand{    }{multispan}
\eqcommand{    }{muskip}
\eqcommand{       }{muskipdef}
\eqcommand{@   }{@namedef}
\eqcommand{@     }{@nameuse}
\eqcommand{ @}{@ne}
\eqcommand{  }{name}
\eqcommand{   }{natural}
\eqcommand{   }{nearrow}
\eqcommand{    }{nearrower}
\eqcommand{         }{NeedsTeXFormat}
\eqcommand{  }{neg}
\eqcommand{       }{negmedspace}
\eqcommand{      }{negthickspace}
\eqcommand{      }{negthinspace}
\eqcommand{    }{newboolean}
\eqcommand{     }{newbox}
\eqcommand{    }{newcommand}
\eqcommand{     }{newcount}
\eqcommand{      }{newcounter}
\eqcommand{    }{newdimen}
```

```
\eqcommand{   }{newenvironment}
\eqcommand{      }{newfam}
\eqcommand{   }{newfont}
\eqcommand{    }{newhelp}
\eqcommand{    }{newinsert}
\eqcommand{     }{newlabel}
\eqcommand{       }{newlength}
\eqcommand{    }{newline}
\eqcommand{       }{newlinechar}
\eqcommand{       }{newmuskip}
\eqcommand{     }{newpage}
\eqcommand{     }{newread}
\eqcommand{        }{newsavebox}
\eqcommand{     }{newskip}
\eqcommand{     }{newtheorem}
\eqcommand{    }{newtoks}
\eqcommand{     }{newwrite}
\eqcommand{   }{noalign}
\eqcommand{  }{nobreak}
\eqcommand{      }{nobreakspace}
\eqcommand{    }{nocite}
\eqcommand{   }{noexpand}
\eqcommand{     }{nofiles}
\eqcommand{      }{noindent}
\eqcommand{     }{nointerlineskip}
\eqcommand{   }{nolimits}
\eqcommand{    }{nolinebreak}
\eqcommand{       }{nonstopmode}
\eqcommand{        }{nonfrenchspacing}
\eqcommand{     }{nonumber}
\eqcommand{    }{nopagebreak}
\eqcommand{       }{normalbaselines}
\eqcommand{        }{normalbaselineskip}
\eqcommand{    }{normalcolor}
\eqcommand{    }{normalfont}
\eqcommand{       }{normallineskip}
\eqcommand{        }{normallineskiplimit}
\eqcommand{      }{normalmarginpar}
\eqcommand{     }{normalsize}
\eqcommand{     }{notag}
\eqcommand{  }{null}
\eqcommand{   }{nullfont}
\eqcommand{  }{number}
\eqcommand{    }{numberline}
\eqcommand{     }{numberwithin}
\eqcommand{      }{@evenfoot}
\eqcommand{      }{@evenhead}
\eqcommand{      }{@oddfoot}
\eqcommand{      }{@oddhead}
\eqcommand{       }{@outeqntrue}
\eqcommand{        }{@outeqnfalse}
\eqcommand{    }{obeylines}
\eqcommand{    }{obeyspaces}
\eqcommand{    }{oddsidemargin}
```

```
\eqcommand{      }{offinterlineskip}
\eqcommand{  }{omit}
\eqcommand{@        }{@onlypreamble}
\eqcommand{   }{onecolumn}
\eqcommand{       }{onlynotes}
\eqcommand{       }{onlyslides}
\eqcommand{      }{openin}
\eqcommand{      }{openout}
\eqcommand{       }{OptionNotUsed}
\eqcommand{ }{or}
\eqcommand{   }{outer}
\eqcommand{    }{output}
\eqcommand{       }{outputpenalty}
\eqcommand{     }{overfullrule}
\eqcommand{@         }{@preamblecmds}
\eqcommand{@ }{p@}
\eqcommand{    }{PackageError}
\eqcommand{    }{PackageInfo}
\eqcommand{    }{PackageWarning}
\eqcommand{       }{PackageWarningNoLine}
\eqcommand{    }{pagebreak}
\eqcommand{    }{pagecolor}
\eqcommand{    }{pagedepth}
\eqcommand{      }{pagefilllstretch}
\eqcommand{     }{pagefillstretch}
\eqcommand{     }{pagefilstretch}
\eqcommand{    }{pagegoal}
\eqcommand{    }{pagename}
\eqcommand{        }{pagenumbering}
\eqcommand{    }{pageref}
\eqcommand{      }{pagerulewidth}
\eqcommand{     }{pageshrink}
\eqcommand{    }{pagestretch}
\eqcommand{    }{pagestyle}
\eqcommand{    }{pagetotal}
\eqcommand{     }{paperheight}
\eqcommand{     }{paperwidth}
\bidi@csdefcs{  }{par}% this is an exception since \par is redefined only in some circumstanc
\eqcommand{    }{paragraph}
\eqcommand{   }{parallel}
\eqcommand{    }{parbox}
\eqcommand{     }{parfillskip}
\eqcommand{      }{parindent}
\eqcommand{      }{parsep}
\eqcommand{   }{parshape}
\eqcommand{    }{parskip}
\eqcommand{  }{part}
\eqcommand{    }{partname}
\eqcommand{         }{partopsep}
\eqcommand{        }{PassOptionToClass}
\eqcommand{        }{PassOptionToPackage}
\eqcommand{  }{path}
\eqcommand{   }{patterns}
\eqcommand{  }{pausing}
```

```
\eqcommand{   }{penalty}
\eqcommand{  }{phantom}
\eqcommand{     }{poptabs}
\eqcommand{       }{postdisplaypenalty}
\eqcommand{      }{predisplaydirection}
\eqcommand{       }{predisplaypenalty}
\eqcommand{        }{predisplaysize}
\eqcommand{       }{pretolerance}
\eqcommand{    }{prevdepth}
\eqcommand{    }{prevgraf}
\eqcommand{       }{printindex}
\eqcommand{        }{ProcessOptions}
\eqcommand{   }{protect}
\eqcommand{     }{providecommand}
\eqcommand{       }{ProvidesClass}
\eqcommand{        }{ProvidesFile}
\eqcommand{       }{ProvidesPackage}
\eqcommand{    }{pushtabs}
\eqcommand{  }{quad}
\eqcommand{   }{qquad}
\eqcommand{@        }{@outputpagerestore}
\eqcommand{    }{radical}
\eqcommand{       }{raggedbottom}
\eqcommand{      }{raggedleft}
\eqcommand{     }{raggedright}
\eqcommand{      }{raise}
\eqcommand{   }{raisebox}
\eqcommand{     }{raisetag}
\eqcommand{   }{rangle}
\eqcommand{  }{rceil}
\eqcommand{   }{read}
\eqcommand{  }{ref}
\eqcommand{     }{reflectbox}
\eqcommand{     }{refname}
\eqcommand{       }{refstepcounter}
\eqcommand{  }{relax}
\eqcommand{       }{removelastskip}
\eqcommand{     }{renewcommand}
\eqcommand{    }{renewenvironment}
\eqcommand{      }{RequirePackage}
\eqcommand{          }{RequirePackageWithOptions}
\eqcommand{     }{resizebox}
\eqcommand{       }{reversemarginpar}
\eqcommand{  }{rfloor}
\eqcommand{  }{right}
\eqcommand{     }{rightmargin}
\eqcommand{     }{rightmark}
\eqcommand{     }{rightpageskip}
\eqcommand{       }{rightskip}
\eqcommand{    }{rmdefault}
\eqcommand{     }{rmfamily}
\eqcommand{    }{Roman}
\eqcommand{    }{roman}
\eqcommand{    }{romannumeral}
```

```
\eqcommand{     }{rotatebox}
\eqcommand{    }{rowcolor}
\eqcommand{ }{rule}
\eqcommand{@    }{@secondoftwo}
\eqcommand{@   }{@spaces}
\eqcommand{    }{samepage}
\eqcommand{     }{savebox}
\eqcommand{   }{sbox}
\eqcommand{     }{scalebox}
\eqcommand{       }{scdefault}
\eqcommand{      }{scshape}
\eqcommand{      }{setkeys}
\eqcommand{    }{scriptfont}
\eqcommand{      }{scriptscriptfont}
\eqcommand{        }{scriptscriptstyle}
\eqcommand{      }{scriptsize}
\eqcommand{     }{scripstyle}
\eqcommand{     }{scrollmode}
\eqcommand{  }{section}
\eqcommand{     }{secdef}
\eqcommand{   }{see}
\eqcommand{     }{seealso}
\eqcommand{     }{seename}
\eqcommand{    }{selectfont}
\eqcommand{     }{setboolean}
\eqcommand{   }{setbox}
\eqcommand{       }{setcounter}
\eqcommand{    }{setlength}
\eqcommand{     }{setminus}
\eqcommand{       }{SetSymbolFont}
\eqcommand{     }{settodepth}
\eqcommand{       }{settoheight}
\eqcommand{         }{settowidth}
\eqcommand{      }{sfcode}
\eqcommand{    }{sfdefault}
\eqcommand{      }{sffamily}
\eqcommand{      }{shadowbox}
\eqcommand{  }{sharp}
\eqcommand{   }{shipout}
\eqcommand{     }{shortstack}
\eqcommand{    }{show}
\eqcommand{       }{showbox}
\eqcommand{        }{showboxbreadth}
\eqcommand{       }{showboxdepth}
\eqcommand{        }{showlists}
\eqcommand{        }{showthe}
\eqcommand{      }{simplefontmode}
\eqcommand{   @}{sixt@@n}
\eqcommand{     }{skewchar}
\eqcommand{   }{skip}
\eqcommand{   @}{skip@}
\eqcommand{     }{skipdef}
\eqcommand{    }{sl}
\eqcommand{     }{sldefault}
```

```
\eqcommand{      }{slshape}
\eqcommand{    }{sloppy}
\eqcommand{    }{slshape}
\eqcommand{  }{small}
\eqcommand{    }{smallskip}
\eqcommand{       }{smallskipamount}
\eqcommand{  }{smash}
\eqcommand{   }{smile}
\eqcommand{       }{snglfntlocatecode}
\eqcommand{  }{space}
\eqcommand{     }{spacefactor}
\eqcommand{     }{spaceskip}
\eqcommand{  }{spadesuit}
\eqcommand{   }{span}
\eqcommand{  }{special}
\eqcommand{       }{splitmaxdepth}
\eqcommand{       }{splittopskip}
\eqcommand{   }{star}
\eqcommand{     }{stepcounter}
\eqcommand{  }{stretch}
\eqcommand{  }{string}
\eqcommand{  }{strut}
\eqcommand{    }{strutbox}
\eqcommand{   }{subitem}
\eqcommand{      }{subparagraph}
\eqcommand{    }{subsection}
\eqcommand{    }{substack}
\eqcommand{     }{subsubitem}
\eqcommand{     }{subsubsection}
\eqcommand{     }{subset}
\eqcommand{      }{subseteq}
\eqcommand{     }{supereject}
\eqcommand{      }{suppressfloats}
\eqcommand{@   }{@tempa}
\eqcommand{@   }{@tempb}
\eqcommand{@   }{@tempc}
\eqcommand{@   }{@tempd}
\eqcommand{@   }{@tempe}
\eqcommand{@    }{@tempboxa}
\eqcommand{@   }{@tempcnta}
\eqcommand{@   }{@tempcntb}
\eqcommand{@   }{@tempdima}
\eqcommand{@   }{@tempdimb}
\eqcommand{@   }{@tempdimc}
\eqcommand{@   }{@tempskipa}
\eqcommand{@   }{@tempskipb}
\eqcommand{@      }{@tempswafalse}
\eqcommand{@     }{@tempswatrue}
\eqcommand{@   }{@temptokena}
\eqcommand{     }{@thefnmark}
\eqcommand{@    }{@thirdofthree}
\eqcommand{      }{tabbingsep}
\eqcommand{       }{tabcolsep}
\eqcommand{     }{tableofcontents}
```

```
\eqcommand{     }{tablename}
\eqcommand{      }{tabskip}
\eqcommand{     }{tabularnewline}
\eqcommand{   }{tag}
\eqcommand{  }{telephone}
\eqcommand{ }{TeX}
\eqcommand{  }{text}
\eqcommand{     }{textbullet}
\eqcommand{   }{textfont}
\eqcommand{    }{textemdash}
\eqcommand{    }{textendash}
\eqcommand{       }{textexclamdown}
\eqcommand{      }{textperiodcentered}
\eqcommand{       }{textquestiondown}
\eqcommand{      }{textquotedblleft}
\eqcommand{       }{textquotedblright}
\eqcommand{     }{textquoteleft}
\eqcommand{      }{textquoteright}
\eqcommand{       }{textvisiblespace}
\eqcommand{      }{textbackslash}
\eqcommand{    }{textbar}
\eqcommand{     }{textgreater}
\eqcommand{    }{textless}
\eqcommand{    }{textbf}
\eqcommand{     }{textcircled}
\eqcommand{   }{textcolor}
\eqcommand{        }{textcompwordmark}
\eqcommand{       }{textfloatsep}
\eqcommand{    }{textfraction}
\eqcommand{     }{textheight}
\eqcommand{     }{textindent}
\eqcommand{     }{textit}
\eqcommand{    }{textmd}
\eqcommand{     }{textnormal}
\eqcommand{     }{textregistered}
\eqcommand{    }{textrm}
\eqcommand{      }{textsc}
\eqcommand{     }{textsf}
\eqcommand{      }{textsl}
\eqcommand{    }{textstyle}
\eqcommand{       }{textsuperscript}
\eqcommand{       }{texttrademark}
\eqcommand{    }{texttt}
\eqcommand{      }{textup}
\eqcommand{    }{textwidth}
\eqcommand{       }{thanks}
\eqcommand{   }{the}
\eqcommand{     }{thempfn}
\eqcommand{    }{thicklines}
\eqcommand{       }{thickmuskip}
\eqcommand{      }{thinmuskip}
\eqcommand{    }{thickspace}
\eqcommand{    }{thinlines}
\eqcommand{    }{thinspace}
```

```
\eqcommand{       }{thisfancypage}
\eqcommand{      }{thispagestyle}
\eqcommand{ @}{thr@@}
\eqcommand{ }{tilde}
\eqcommand{  }{tiny}
\eqcommand{  }{time}
\eqcommand{   }{times}
\eqcommand{   }{title}
\eqcommand{ }{to}
\eqcommand{   }{today}
\eqcommand{  }{toks}
\eqcommand{    }{toksdef}
\eqcommand{     }{tolerance}
\eqcommand{  }{top}
\eqcommand{      }{topfigrule}
\eqcommand{    }{topfraction}
\eqcommand{     }{topmargin}
\eqcommand{     }{topmark}
\eqcommand{      }{toppageskip}
\eqcommand{        }{topsep}
\eqcommand{     }{topskip}
\eqcommand{    }{totalheight}
\eqcommand{    }{tracingall}
\eqcommand{       }{tracingcommands}
\eqcommand{      }{tracinglostchars}
\eqcommand{       }{tracingmacros}
\eqcommand{      }{tracingonline}
\eqcommand{       }{tracingoutput}
\eqcommand{      }{tracingpages}
\eqcommand{      }{tracingparagraphs}
\eqcommand{        }{tracingrestores}
\eqcommand{      }{tracingstats}
\eqcommand{  }{triangle}
\eqcommand{     }{ttdefault}
\eqcommand{    }{ttfamily}
\eqcommand{ @}{tw@}
\eqcommand{   }{twocolumn}
\eqcommand{   }{typein}
\eqcommand{   }{typeout}
\eqcommand{   }{uccode}
\eqcommand{      }{uchyph}
\eqcommand{  }{underline}
\eqcommand{    }{unhbox}
\eqcommand{   }{unhcopy}
\eqcommand{    }{unitlength}
\eqcommand{     }{unkern}
\eqcommand{     }{unpenalty}
\eqcommand{     }{unskip}
\eqcommand{    }{unvbox}
\eqcommand{   }{unvcopy}
\eqcommand{       }{updefault}
\eqcommand{     }{upshape}
\eqcommand{   }{usebox}
\eqcommand{     }{usecounter}
```

```
\eqcommand{    }{usefont}
\eqcommand{    }{usepackage}
\eqcommand{@     }{@vobeyspaces}
\eqcommand{@ }{@void}
\eqcommand{   }{vadjust}
\eqcommand{   }{valign}
\eqcommand{      }{value}
\eqcommand{    }{vbadness}
\eqcommand{   }{vbox}
\eqcommand{    }{vcenter}
\eqcommand{    }{verb}
\eqcommand{ }{vfil}
\eqcommand{  }{vfill}
\eqcommand{   }{vfilneg}
\eqcommand{    }{vfuzz}
\eqcommand{   }{visible}
\eqcommand{   }{vline}
\eqcommand{   }{voffset}
\eqcommand{  @ }{voidb@x}
\eqcommand{     }{vpageref}
\eqcommand{    }{vrboxsep}
\eqcommand{   }{vref}
\eqcommand{ }{vrule}
\eqcommand{    }{vsize}
\eqcommand{   }{vskip}
\eqcommand{   }{vspace}
\eqcommand{   }{vsplit}
\eqcommand{   }{vss}
\eqcommand{    }{vtop}
\eqcommand{ }{wd}
\eqcommand{    }{whiledo}
\eqcommand{    }{widehat}
\eqcommand{   }{widetilde}
\eqcommand{     }{widowpenalty}
\eqcommand{  }{width}
\eqcommand{     }{wlog}
\eqcommand{   }{write}
\eqcommand{@     }{@xobeysp}
\eqcommand{ @ }{@xxxii}
\eqcommand{  }{xdef}
\eqcommand{      }{xleaders}
\eqcommand{        }{xspaceskip}
\eqcommand{ }{year}
\eqcommand{@ }{z@}
\eqcommand{@    }{z@skip}
```

21 File color-localise-xepersian.def

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

```
1{cmyk}{    }     \0,,0,0}
0}{cmyk}{   }     \1,,0,0}
0}{cmyk}{  }     \0,,1,0}
```

22 File xepersian-localise-commands-xepersian.def

```
\ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation
\eqcommand{        }{autofootnoterule}
\eqcommand{          }{AutoMathDigits}
\eqcommand{          }{DefaultMathDigits}
\eqcommand{   @   }{keyval@eq@alias@key}
\eqcommand{       }{deflatinfont}
\eqcommand{       }{defpersianfont}
\eqcommand{    }{hboxL}
\eqcommand{    }{hboxR}
\eqcommand{     }{Latincite}
\eqcommand{    }{latinfont}
\eqcommand{     }{latintoday}
\eqcommand{      }{leftfootnoterule}
\eqcommand{    }{lr}
\eqcommand{    }{LRE}
\eqcommand{     }{LTRdblcol}
\eqcommand{   }{LTRfootnote}
\eqcommand{     }{LTRfootnotetext}
\eqcommand{      }{LTRthanks}
\eqcommand{    }{persianday}
\eqcommand{    }{persianfont}
\eqcommand{         }{PersianMathDigits}
\eqcommand{    }{persianmonth}
\eqcommand{    }{persianyear}
\eqcommand{          }{plq}
\eqcommand{           }{prq}
\eqcommand{       }{rightfootnoterule}
\eqcommand{    }{rl}
\eqcommand{    }{RLE}
\eqcommand{      }{RTLdblcol}
\eqcommand{   }{RTLfootnote}
\eqcommand{     }{RTLfootnotetext}
\eqcommand{      }{RTLthanks}
\eqcommand{@    }{@SepMark}
\eqcommand{    }{SepMark}
\eqcommand{         }{setdefaultbibitems}
\eqcommand{         }{setdefaultmarginpar}
\eqcommand{           }{setmathdigitfont}
\eqcommand{        }{setfootnoteLR}
\eqcommand{         }{setfootnoteRL}
\eqcommand{         }{setlatintextfont}
\eqcommand{     }{setLTR}
\eqcommand{        }{setLTRbibitems}
\eqcommand{        }{setLTRmarginpar}
\eqcommand{      }{setRTL}
\eqcommand{         }{setRTLbibitems}
\eqcommand{         }{setRTLmarginpar}
\eqcommand{     }{settextfont}
```

```
\eqcommand{          }{textwidthfootnoterule}
\eqcommand{          }{twocolumnstableofcontents}
\eqcommand{         }{unsetfootnoteRL}
\eqcommand{      }{unsetLTR}
\eqcommand{       }{unsetRTL}
\eqcommand{     }{vboxL}
\eqcommand{      }{vboxR}
\eqcommand{    }{XeLaTeX}
\eqcommand{    }{XePersian}
\eqcommand{      }{xepersianversion}
\eqcommand{         }{xepersiandate}
\eqcommand{  }{XeTeX}
```

23 File enumerate-xepersian.def

```
\ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
\def\@enloop@{%
  \ifx entemp@\          \def\@tempa{\@enLabel\harfi  }\else
  \ifx entemp@\          \def\@tempa{\@enLabel\adadi  }\else
  \ifx entemp@\          \def\@tempa{\@enLabel\tartibi  }\else
  \ifx A\@entemp         \def\@tempa{\@enLabel\Alph  }\else
  \ifx a\@entemp         \def\@tempa{\@enLabel\alph  }\else
  \ifx i\@entemp         \def\@tempa{\@enLabel\roman }\else
  \ifx I\@entemp         \def\@tempa{\@enLabel\Roman }\else
  \ifx 1\@entemp         \def\@tempa{\@enLabel\arabic}\else
  \ifx \@sptoken\@entemp \let\@tempa\@enSpace         \else
  \ifx \bgroup\@entemp   \let\@tempa\@enGroup         \else
  \ifx \@enum@\@entemp   \let\@tempa\@gobble          \else
                         \let\@tempa\@enOther
                         \@enhook
            \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
  \@tempa}
```

24 File enumitem-xepersian.def

```
\ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
\AddEnumerateCounter*\tartibi\@tartibi{999999999}
\AddEnumerateCounter*\adadi\@adadi{999999999}
\AddEnumerateCounter\harfi\@harfi{ }
\AddEnumerateCounter\Abjad\@Abjad{ }
\AddEnumerateCounter\abjad\@abjad{  }
\SetEnumerateShortLabel{  }{\tartibi*}
\SetEnumerateShortLabel{ }{\adadi*}
\SetEnumerateShortLabel{ }{\harfi*}
\SetEnumerateShortLabel{ }{\Abjad*}
\SetEnumerateShortLabel{ }{\abjad*}
```

25 File latex-localise-environments-xepersian.def

```
\ProvidesFile{latex-localise-environments-xepersian.def}[2022/06/06 v0.3 Persian localisation
\eqenvironment{   }{abstract}
\eqenvironment{   }{appendix}
\eqenvironment{   }{array}
\eqenvironment{    }{center}
```

```
\eqenvironment{   }{description}
\eqenvironment{      }{displaymath}
\EqEnvironment{   }{document}
\eqenvironment{   }{enumerate}
\eqenvironment{  }{figure}
\eqenvironment{  *}{figure*}
\eqenvironment{      }{filecontents}
\eqenvironment{      *}{filecontents*}
\eqenvironment{   }{flushleft}
\eqenvironment{    }{flushright}
\eqenvironment{   }{itemize}
\eqenvironment{  }{letter}
\eqenvironment{  }{list}
\eqenvironment{    }{longtable}
\eqenvironment{   }{lrbox}
\eqenvironment{   }{math}
\eqenvironment{    }{matrix}
\eqenvironment{     }{minipage}
\eqenvironment{   }{multline}
\eqenvironment{    }{note}
\eqenvironment{    }{overlay}
\eqenvironment{   }{picture}
\eqenvironment{    }{quotation}
\eqenvironment{  }{quote}
\eqenvironment{    }{slide}
\eqenvironment{     }{sloppypar}
\eqenvironment{    }{split}
\eqenvironment{     }{subarray}
\eqenvironment{    }{tabbing}
\eqenvironment{  }{table}
\eqenvironment{  *}{table*}
\eqenvironment{   }{tabular}
\eqenvironment{   *}{tabular*}
\eqenvironment{   }{thebibliography}
\eqenvironment{      }{theindex}
\eqenvironment{     }{titlepage}
\eqenvironment{     }{trivlist}
\eqenvironment{  }{verse}
```

26 File xepersian-localise-environments-xepersian.def

```
\ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisa
\eqenvironment{   }{latin}
\eqenvironment{   }{LTR}
\eqenvironment{      }{LTRitems}
\eqenvironment{   }{modernpoem}
\eqenvironment{   *}{modernpoem*}
\eqenvironment{   }{persian}
\eqenvironment{    }{RTL}
\eqenvironment{       }{RTLitems}
\eqenvironment{    }{traditionalpoem}
\eqenvironment{    *}{traditionalpoem*}
```

27 File extarticle-xepersian.def

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

28 File extbook-xepersian.def

```
\ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
\renewcommand\frontmatter{%
    \cleardoublepage
  \@mainmatterfalse
  \pagenumbering{harfi}}
\renewcommand \thepart {\@tartibi\c@part}
\renewcommand\appendix{\par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
  \gdef\thechapter{\@harfi\c@chapter}
}%end appendix
```

29 File extrafootnotefeatures-xepersian.def

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

30 File extreport-xepersian.def

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

31 File fancyref-xepersian.def

```
\ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package
\renewcommand*{\Frefchapname}{\chaptername}
\renewcommand*{\Frefenumname}{%
  \if@RTL
%
  \else
    Item%
  \fi
}
\renewcommand*{\Frefeqname}{%
  \if@RTL
```

```
%
  \else
    Equation%
  \fi
}
\renewcommand*{\Freffigname}{\figurename}
\renewcommand*{\Freffnname}{%
  \if@RTL
%
  \else
    Footnote%
  \fi
}
\renewcommand*{\Frefonname}{%
  \if@RTL
%
  \else
    On%
  \fi
}
\renewcommand*{\Frefpgname}{\pagename}
\renewcommand*{\Frefsecname}{%
  \if@RTL
%
  \else
    Section%
  \fi
}
\renewcommand*{\Frefseename}{%
  \if@RTL
%
  \else
    See%
  \fi
}
\renewcommand*{\Freftabname}{\tablename}
\renewcommand*{\Freffigshortname}{%
  \if@RTL
    \Freffigname
  \else
    Fig.%
  \fi
}
\renewcommand*{\Frefpgshortname}{%
  \if@RTL
    \Frefpgname
  \else
    P.%
  \fi
}
\renewcommand*{\Freftabshortname}{%
  \if@RTL
    \tablename
  \else
```

```
    Tab.%
  \fi
}
\renewcommand*{\frefchapname}{%
  \if@RTL
    \Frefchapname
  \else
    \MakeLowercase{\Frefchapname}%
\fi
}
\renewcommand*{\frefenumname}{%
  \if@RTL
    \Frefenumname
  \else
    \MakeLowercase{\Frefenumname}%
  \fi
}
\renewcommand*{\frefeqname}{%
  \if@RTL
    \Frefeqname
  \else
    \MakeLowercase{\Frefeqname}%
  \fi
}
\renewcommand*{\freffigname}{%
  \if@RTL
    \Freffigname
  \else
    \MakeLowercase{\Freffigname}%
  \fi
}
\renewcommand*{\freffnname}{%
  \if@RTL
    \Freffnname
  \else
    \MakeLowercase{\Freffnname}%
  \fi
}
\renewcommand*{\frefonname}{%
  \if@RTL
    \Frefonname
  \else
    \MakeLowercase{\Frefonname}%
  \fi
}
\renewcommand*{\frefpgname}{%
  \if@RTL
    \Frefpgname
  \else
    \MakeLowercase{\Frefpgname}%
  \fi
}
\renewcommand*{\frefsecname}{%
  \if@RTL
```

```
    \Frefsecname
  \else
    \MakeLowercase{\Frefsecname}%
  \fi
}
\renewcommand*{\frefseename}{%
  \if@RTL
    \Frefseename
  \else
    \MakeLowercase{\Frefseename}%
  \fi
}
\renewcommand*{\freftabname}{%
  \if@RTL
    \Freftabname
  \else
    \MakeLowercase{\Freftabname}%
  \fi
}
\renewcommand*{\freffigshortname}{%
  \if@RTL
    \Freffigshortname
  \else
    \MakeLowercase{\Freffigshortname}%
  \fi
}
\renewcommand*{\frefpgshortname}{%
  \if@RTL
    \Frefpgshortname
  \else
    \MakeLowercase{\Frefpgshortname}%
  \fi
}
\renewcommand*{\freftabshortname}{%
  \if@RTL
    \Freftabshortname
  \else
    \MakeLowercase{\Freftabshortname}%
  \fi
}
```

32 File `footnote-xepersian.def`

```
\ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]

\renewcommand*{\bidi@@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi

\renewcommand*{\bidi@@LTRfootnotetext@font}{\footnotesize\resetlatinfont}

\renewcommand*{\bidi@@RTLfootnotetext@font}{\footnotesize\setpersianfont}

```

33 File `framed-xepersian.def`

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

34 File glossaries-xepersian.def

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

35 File hyperref-xepersian.def

```
\ProvidesFile{hyperref-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperref pack
  \def\equationautorefname{\if@RTL else\    Equation\fi}%
  \def\footnoteautorefname{\if@RTL else\    footnote\fi}%
  \def\itemautorefname{\if@RTL else\   item\fi}%
  \def\figureautorefname{\if@RTL else\   Figure\fi}%
  \def\tableautorefname{\if@RTL else\   Table\fi}%
  \def\partautorefname{\if@RTL else\   Part\fi}%
  \def\appendixautorefname{\if@RTL else\    Appendix\fi}%
  \def\chapterautorefname{\if@RTL else\   chapter\fi}%
  \def\sectionautorefname{\if@RTL else\   section\fi}%
  \def\subsectionautorefname{\if@RTL else\     subsection\fi}%
  \def\subsubsectionautorefname{\if@RTL else\      subsubsection\fi}%
  \def\paragraphautorefname{\if@RTL else\     paragraph\fi}%
  \def\subparagraphautorefname{\if@RTL else\      subparagraph\fi}%
  \def\FancyVerbLineautorefname{\if@RTL else\   line\fi}%
  \def\theoremautorefname{\if@RTL else\   Theorem\fi}%
  \def\pageautorefname{\if@RTL else\   page\fi}%
\ifHy@implicit
  \AtBeginDocument{%
    \let\HyOrg@appendix\appendix
      \def\appendix{%
        \ltx@IfUndefined{chapter}%
          {\gdef\theHsection{\Alph{section}}}%
          {\gdef\theHchapter{\Alph{chapter}}}%
        \xdef\Hy@chapapp{\Hy@appendixstring}%
        \HyOrg@appendix
      }%
    }%
\fi
\pdfstringdefDisableCommands{%
```

```
  \let\lr\@firstofone
  \let\rl\@firstofone
  \def\XePersian{XePersian}%
}
\ltx@IfUndefined{@resets@pp}{%
}{%
  \let\HyOrg@resets@pp\@resets@pp
  \def\@resets@pp{%
    \ltx@IfUndefined{chapter}{%
      \gdef\theHsection{\Hy@AlphNoErr{section}}%
    }{%
      \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
    }%
    \xdef\Hy@chapapp{\Hy@appendixstring}%
    \HyOrg@resets@pp
  }%
}
```

36 File imsproc-xepersian.def

```
\ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc class
\renewcommand \thepart {\@tartibi\c@part}
\def\appendix{\par\c@section\z@ \c@subsection\z@
   \let\sectionname\appendixname
   \def\thesection{\@harfi\c@section}}
```

37 File kashida-xepersian.def

```
\ProvidesFile{kashida-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for xepersian
\chardef\xepersian@zwj="200D % zero-width joiner
\chardef\xepersian@kashidachar="0640 % kashida

\chardef\xepersian@dualjoiner=10 % dual-joiner class
\chardef\xepersian@lam=11 % lam
\chardef\xepersian@rightjoiner=12 % right-joiner
\chardef\xepersian@alef=13 % alef
\chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
\newif\if@Kashida@on
\def\xepersian@kashida{%
  \if@Kashida@on
    \xepersian@zwj
    \nobreak
    \leaders\hrule height \XeTeXglyphbounds\tw@
    \the\XeTeXcharglyph\xepersian@kashidachar
    depth \XeTeXglyphbounds\f@ur
    \the\XeTeXcharglyph\xepersian@kashidachar
    \hskip0pt plus 0.5em
    \xepersian@zwj
  \fi
}

\def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
```

```
  \expandafter\dosetclass\charlist,\end}
\def\dosetclass#1,#2\end{%
  \def\test{#1}\def\charlist{#2}%
  \ifx\test\empty\let\next\finishsetclass
  \else \XeTeXcharclass "\test = \theclass
     \let\next\dosetclass \fi
  \expandafter\next\charlist,,\end}
\def\finishsetclass#1,,\end{}

\setclass \xepersian@alef {0622,0623,0625,0627}
\setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
\setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
\setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
\setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
\setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
\setclass \xepersian@lam {0644}
\setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}

\XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
\XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}

\newcommand{\KashidaOn}{\@Kashida@ontrue}
\newcommand{\KashidaOff}{\@Kashida@onfalse}

\KashidaOn
```

38 File listings-xepersian.def

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

39 File loadingorder-xepersian.def

```
\ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the l
\bidi@isloaded{algorithmic}
\bidi@isloaded{algorithm}
\bidi@isloaded{backref}
\bidi@isloaded{enumerate}
\bidi@isloaded{enumitem}
\bidi@isloaded{fancyref}
\bidi@isloaded{tocloft}
\bidi@isloaded{url}
\bidi@isloaded{varioref}
\AtBeginDocument{
  \if@bidi@algorithmicloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after x
  \fi%
```

```
  \if@bidi@algorithmloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xep
  \fi%
  \if@bidi@backrefloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xeper
  \fi%
  \if@bidi@enumerateloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xep
  \fi%
  \if@bidi@enumitemloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepe
  \fi%
  \if@bidi@fancyrefloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepe
  \fi%
  \if@bidi@tocloftloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xeper
  \fi%
  \if@bidi@urlloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
  \fi%
  \if@bidi@variorefloaded@\else
    \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepe
  \fi%
}
```

40 File localise-xepersian.def

```
\ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
\newcommand{\makezwnjletter}{\catcode`=11\relax}
\makezwnjletter
\newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}
\newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
\if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{}\csname#2\endcsname}{
\newcommand*{\EqEnvironment}[2]{%
  \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
  \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
}
\@ifpackageloaded{keyval}{%
\newcommand*\keyval@eq@alias@key[4][KV]{%
  \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
  \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
}{\@ifpackageloaded{xkeyval}{%
\newcommand*\keyval@eq@alias@key[4][KV]{%
  \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
  \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
}{}}
\input{latex-localise-commands-xepersian.def}
\input{xepersian-localise-commands-xepersian.def}
\input{latex-localise-environments-xepersian.def}
\input{xepersian-localise-environments-xepersian.def}
\input{latex-localise-messages-xepersian.def}
\input{latex-localise-misc-xepersian.def}
\input{packages-localise-xepersian.def}
```

```
\aliasfontfeature{ExternalLocation}{     }
\aliasfontfeature{Path}{  }
\aliasfontfeature{Renderer}{      }
\aliasfontfeature{BoldFont}{    }
\aliasfontfeature{Language}{  }
\aliasfontfeature{Script}{ }
\aliasfontfeature{UprightFont}{     }
\aliasfontfeature{ItalicFont}{      }
\aliasfontfeature{BoldItalicFont}{        }
\aliasfontfeature{SlantedFont}{      }
\aliasfontfeature{BoldSlantedFont}{        }
\aliasfontfeature{SmallCapsFont}{       }
\aliasfontfeature{UprightFeatures}{         }
\aliasfontfeature{BoldFeatures}{         }
\aliasfontfeature{ItalicFeatures}{          }
\aliasfontfeature{BoldItalicFeatures}{            }
\aliasfontfeature{SlantedFeatures}{          }
\aliasfontfeature{BoldSlantedFeatures}{            }
\aliasfontfeature{SmallCapsFeatures}{           }
\aliasfontfeature{SizeFeatures}{        }
\aliasfontfeature{Scale}{  }
\aliasfontfeature{WordSpace}{     }
\aliasfontfeature{PunctuationSpace}{       }
\aliasfontfeature{FontAdjustment}{     }
\aliasfontfeature{LetterSpace}{    }
\aliasfontfeature{HyphenChar}{     }
\aliasfontfeature{Color}{  }
\aliasfontfeature{Opacity}{  }
\aliasfontfeature{Mapping}{   }
\aliasfontfeature{Weight}{    }
\aliasfontfeature{Width}{  }
\aliasfontfeature{OpticalSize}{      }
\aliasfontfeature{FakeSlant}{       }
\aliasfontfeature{FakeStretch}{     }
\aliasfontfeature{FakeBold}{     }
\aliasfontfeature{AutoFakeSlant}{          }
\aliasfontfeature{AutoFakeBold}{         }
\aliasfontfeature{Ligatures}{          }
\aliasfontfeature{Alternate}{   }
\aliasfontfeature{Variant}{    }
\aliasfontfeature{Variant}{      }
\aliasfontfeature{CharacterVariant}{       }
\aliasfontfeature{Style}{  }
\aliasfontfeature{Annotation}{    }
\aliasfontfeature{RawFeature}{      }
\aliasfontfeature{CharacterWidth}{      }
\aliasfontfeature{Numbers}{   }
\aliasfontfeature{Contextuals}{  }
\aliasfontfeature{Diacritics}{       }
\aliasfontfeature{Letters}{  }
\aliasfontfeature{Kerning}{  }
\aliasfontfeature{VerticalPosition}{      }
\aliasfontfeature{Fractions}{  }
\aliasfontfeatureoption{Language}{Default}{   }
```

```
\aliasfontfeatureoption{Language}{Persian}{   }
\aliasfontfeatureoption{Script}{Persian}{   }
\aliasfontfeatureoption{Script}{Latin}{   }
\aliasfontfeatureoption{Style}{MathScript}{      }
\aliasfontfeatureoption{Style}{MathScriptScript}{          }
```

41 File memoir-xepersian.def

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

42 File latex-localise-messages-xepersian.def

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

43 File minitoc-xepersian.def

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

44 File latex-localise-misc-xepersian.def

```
\ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian locali
%}1#    \ \
      \@  \      @ \     \
       \1#   \
    \1# @\
     \1# @\
{@  \     \
%}2#1# @\ \
%1#  \       @\     \     \ \     \
        \2#  \       @\     \
{{2#1#   \}
undefined\     \   \

%{ \    \     \  \1#}    \ \}  \1#  \ \
```

```
      \ {  \    \   \
\  \   \
\  \    \ %}  \#1
    \1#}    \ \  %   \
                \    \     \
               }%
      \
    \    \   \
}
\=  \   \
\@ifdefinitionfileloaded{latex-xetex-bidi}{%
\def\@xfloat #1[#2]{%
  \@nodocument
  \def \@captype {#1}%
   \def \@fps {#2}%
   \@onelevel@sanitize \@fps
   \def \reserved@b {!}%
   \ifx \reserved@b \@fps
     \@fpsadddefault
   \else
     \ifx \@fps \@empty
       \@fpsadddefault
     \fi
   \fi
   \ifhmode
     \@bsphack
     \@floatpenalty -\@Mii
   \else
     \@floatpenalty-\@Miii
   \fi
  \ifinner
     \@parmoderr\@floatpenalty\z@
  \else
    \@next\@currbox\@freelist
      {%
       \@tempcnta \sixt@@n
       \expandafter \@tfor \expandafter \reserved@a
         \expandafter :\expandafter =\@fps
         \do
          {%
           \if \reserved@a h%
             \ifodd \@tempcnta
             \else
               \advance \@tempcnta \@ne
             \fi
           \fi
           \if \reserved@a %
             \ifodd \@tempcnta
             \else
               \advance \@tempcnta \@ne
```

```
            \fi
          \fi
          \if \reserved@a t%
            \@setfpsbit \tw@
          \fi
          \if \reserved@a %
            \@setfpsbit \tw@
          \fi
          \if \reserved@a b%
            \@setfpsbit 4%
          \fi
          \if \reserved@a %
            \@setfpsbit 4%
          \fi
          \if \reserved@a p%
            \@setfpsbit 8%
          \fi
          \if \reserved@a %
            \@setfpsbit 8%
          \fi
          \if \reserved@a !%
            \ifnum \@tempcnta>15
              \advance\@tempcnta -\sixt@@n\relax
            \fi
          \fi
          }%
      \@tempcntb \csname ftype@\@captype \endcsname
      \multiply \@tempcntb \@xxxii
      \advance \@tempcnta \@tempcntb
      \global \count\@currbox \@tempcnta
      }%
    \@fltovf
  \fi
  \global \setbox\@currbox
    \color@vbox
      \normalcolor
      \vbox \bgroup
        \hsize\columnwidth
        \@parboxrestore
        \@floatboxreset
}
\let\bm@ \bm@c
\let\bm@ \bm@l
\let\bm@ \bm@r
\let\bm@ \bm@b
\let\bm@ \bm@t
\let\bm@ \bm@s
\long\def\@iiiparbox#1#2[#3]#4#5{%
  \leavevmode
  \@pboxswfalse
  \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
  \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
  \setlength\@tempdima{#4}%
  \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
```

```
    \ifx\relax#2\else
      \setlength\@tempdimb{#2}%
      \edef\@parboxto{to\the\@tempdimb}%
    \fi
    \if#1b\vbox
    \else\if#1 \vbox
    \else\if #1t\vtop
    \else\if vtop\ #1
    \else\ifmmode\vcenter
    \else\@pboxswtrue $\vcenter
    \fi\fi\fi\fi\fi
    \@parboxto{\let\hss\vss\let\unhbox\unvbox
       \csname bm@#3\endcsname}%
    \if@pboxsw \m@th$\fi
  \@end@tempboxa}
\def\@iiiminipage#1#2[#3]#4{%
  \leavevmode
  \@pboxswfalse
    \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
    \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\el
  \setlength\@tempdima{#4}%
  \def\@mpargs{{#1}{#2}[#3]{#4}}%
  \setbox\@tempboxa\vbox\bgroup
    \color@begingroup
      \hsize\@tempdima
      \textwidth\hsize \columnwidth\hsize
      \@parboxrestore
      \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
      \let\@footnotetext\@mpfootnotetext
      \let\@LTRfootnotetext\@mpLTRfootnotetext
      \let\@RTLfootnotetext\@mpRTLfootnotetext
      \let\@listdepth\@mplistdepth \@mplistdepth\z@
      \@minipagerestore
      \@setminipage}
\def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
    \ifnum \@lastchclass=3 5 \else
     \z@ \if #1c\@chnum \z@ \else
                \if chnum@\ #1 \z@ \else
                                \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
                                \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
                                \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
                                \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
          \@chclass \if #1|\@ne \else
                    \if #1@\tw@ \else
                    \if #1p3    \else
                    \if 3 #1    \else          \z@ \@preamerr 0\fi
  \fi  \fi  \fi  \fi  \fi  \fi \fi \fi \fi \fi
\fi}%
}{}
\@ifdefinitionfileloaded{array-xetex-bidi}{%
\def\@testpach{\@chclass
 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
  \ifnum \@lastchclass=7 5 \else
   \ifnum \@lastchclass=8 \tw@ \else
```

```
   \ifnum \@lastchclass=9 \thr@@
  \else \z@
  \ifnum \@lastchclass = 10 \else
  \edef\@nextchar{\expandafter\string\@nextchar}%
  \@chnum
  \if \@nextchar c\z@ \else
  \if \@nextchar @z\  \else
   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
   \if \@nextchar \if@RTLtab else\  fi\@ne\  \else
    \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
    \if \@nextchar \if@RTLtab else\  @fi\tw\  \else
  \z@ \@chclass
  \if\@nextchar |\@ne \else
   \if \@nextchar !6 \else
    \if \@nextchar @7 \else
     \if \@nextchar <8 \else
      \if \@nextchar >9 \else
 10
  \@chnum
  \if \@nextchar m\thr@@\else
  \if \@nextchar thr@@\else\
   \if \@nextchar p4 \else
  \if \@nextchar 4  \else
    \if \@nextchar b5 \else
    \if \@nextchar 5  \else
   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
   \fi \fi  \fi  \fi  \fi  \fi  \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
}{}
\@ifdefinitionfileloaded{arydshln-xetex-bidi}{
\ifadl@usingarypkg
\def\@testpach{\@chclass
 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
  \ifnum \@lastchclass=7 5 \else
   \ifnum \@lastchclass=8 \tw@ \else
    \ifnum \@lastchclass=9 \thr@@
   \else \z@
   \ifnum \@lastchclass = 10 \else
   \edef\@nextchar{\expandafter\string\@nextchar}%
   \@chnum
   \if \@nextchar c\z@ \else
    \if \@nextchar @z\  \else
    \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
    \if \@nextchar \if@RTLtab else\  fi\@ne\  \else
     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
    \if \@nextchar \if@RTLtab else\  @fi\tw\  \else
   \z@ \@chclass
   \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
   \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
   \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
    \if \@nextchar !6 \else
     \if \@nextchar @7 \else
      \if \@nextchar <8 \else
       \if \@nextchar >9 \else
  10
```

```
  \@chnum
  \if \@nextchar m\thr@@\else
   \if \@nextchar thr@@\else\
   \if \@nextchar p4 \else
    \if \@nextchar 4  \else
    \if \@nextchar b5 \else
   \if \@nextchar 5  \else
   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
   \fi \fi  \fi  \fi  \fi  \fi  \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

\def\@classz{\@classx
   \@tempcnta \count@
   \prepnext@tok
   \@addtopreamble{\ifcase \@chnum
      \hfil
      \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
      \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
      \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
   \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
        \adl@endmbox\or
   \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
   \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
  \fi}\prepnext@tok}
\def\adl@class@start{4}
\def\adl@class@iiiorvii{7}

\else
\def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
        \ifnum \@lastchclass=\thr@@ 5\relax \else
                \z@ \if #1c\@chnum \z@ \else
                    \if @chnum\z@\ #1 \else
                    \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
                   \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
                    \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
                     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
                \@chclass
                    \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
                    \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
                    \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
                    \if #1@\tw@ \else
                    \if #1p\thr@@ \else
                   \if @@thr\ #1 \else\z@ \@preamerr 0\fi
        \fi  \fi  \fi  \fi  \fi  \fi  \fi  \fi  \fi \fi \fi \fi \fi}

\def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
                \or \or \@addamp \or
                \@acolampacol \or \@firstampfalse \@acol \fi
        \edef\@preamble{\@preamble
                \ifcase \@chnum
                    \hfil\adl@putlrc{$\relax\@sharp$}\hfil
                \or \adl@putlrc{$\relax\@sharp$}\hfil
                \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
\def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
                \or \or \@addamp \or
```

```
                \@acolampacol \or \@firstampfalse \@acol \fi
        \edef\@preamble{\@preamble
        \ifcase \@chnum
                    \hfil\adl@putlrc{\@sharp\unskip}\hfil
                \or \adl@putlrc{\@sharp\unskip}\hfil
                \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
\def\adl@class@start{6}
\def\adl@class@iiiorvii{3}
\fi
}{}
\@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
\def\@testpach{\@chclass
 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
  \ifnum \@lastchclass=7 5 \else
   \ifnum \@lastchclass=8 \tw@ \else
    \ifnum \@lastchclass=9 \thr@@
   \else \z@
   \ifnum \@lastchclass = 10 \else
   \edef\@nextchar{\expandafter\string\@nextchar}%
   \@chnum
   \if \@nextchar c\z@ \else
    \if \@nextchar @z\  \else
    \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
     \if \@nextchar \if@RTLtab else\  fi\@ne\  \else
     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
     \if \@nextchar \if@RTLtab else\  @fi\tw\  \else
   \if \@nextchar C7 \else
   \if \@nextchar 7  \else
    \if \@nextchar L8 \else
    \if \@nextchar 8  \else
     \if \@nextchar R9 \else
     \if \@nextchar 9  \else
     \if \@nextchar J10 \else
     \if \@nextchar 10  \else
   \z@ \@chclass
   \if\@nextchar |\@ne \else
    \if \@nextchar !6 \else
     \if \@nextchar @7 \else
      \if \@nextchar <8 \else
       \if \@nextchar >9 \else
  10
  \@chnum
  \if \@nextchar m\thr@@\else
  \if \@nextchar thr@@\else\
   \if \@nextchar p4 \else
  \if \@nextchar4  \else
    \if \@nextchar b5 \else
  \if \@nextchar 5  \else
   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi \fi \fi \fi \fi \fi \fi \fi
     \fi  \fi  \fi  \fi  \fi  \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
}{}
\@ifdefinitionfileloaded{float-xetex-bidi}{%
\let\@float@Hx\@xfloat
\def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}[]}{\@ifnextchar{ }{\@float@{1#} []}{\@float@Hx{#
```

```
\def\@float@HH#1[H]{%
  \expandafter\let\csname end#1\endcsname\float@endH
  \let\@currbox\float@box
  \def\@captype{#1}\setbox\@floatcapt=\vbox{}%
  \expandafter\ifx\csname fst@#1\endcsname\relax
    \@flstylefalse\else\@flstyletrue\fi
  \setbox\@currbox\color@vbox\normalcolor
    \vbox\bgroup \hsize\columnwidth \@parboxrestore
      \@floatboxreset \@setnobreak
  \ignorespaces}
\def\@float@[ ]1# {%
  \expandafter\let\csname end#1\endcsname\float@endH
  \let\@currbox\float@box
  \def\@captype{#1}\setbox\@floatcapt=\vbox{}%
  \expandafter\ifx\csname fst@#1\endcsname\relax
    \@flstylefalse\else\@flstyletrue\fi
  \setbox\@currbox\color@vbox\normalcolor
    \vbox\bgroup \hsize\columnwidth \@parboxrestore
      \@floatboxreset \@setnobreak
  \ignorespaces}
}{}
\begingroup \catcode `|=0 \catcode `[= 1
\catcode`]=2 \catcode `\{=12 \catcode `\}=12
\catcode`\\=12 |gdef|@x@xepersian@localize@verbatim#1\[[      ]   |1#]{      }
|gdef|@sx@xepersian@localize@verbatim#1\[[*      ]   |1#]{*      }
|endgroup
\def\       {\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
\def\end       {\if@newlist \leavevmode\fi\endtrivlist}
\ExplSyntaxOn
\AtBeginDocument{\@namedef{       *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
\ExplSyntaxOff
\expandafter\let\csname end       *\endcsname =\end
```

45 File natbib-xepersian.def

```
\ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
\renewcommand\NAT@set@cites{%
  \ifNAT@numbers
    \ifNAT@super \let\@cite\NAT@citesuper
       \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
       \let\citeyearpar=\citeyear
       \let\NAT@space\relax
       \def\NAT@super@kern{\kern\p@}%
    \else
       \let\NAT@mbox=\mbox
       \let\@cite\NAT@citenum
       \let\NAT@space\NAT@spacechar
       \let\NAT@super@kern\relax
    \fi
    \let\@citex\NAT@citexnum
   \let\@Latincitex\NAT@Latin@citexnum
    \let\@biblabel\NAT@biblabelnum
    \let\@bibsetup\NAT@bibsetnum
    \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
```

```
    \def\natexlab##1{}%
    \def\NAT@penalty{\penalty\@m}%
  \else
    \let\@cite\NAT@cite
    \let\@citex\NAT@citex
     \let\@Latincitex\NAT@Latin@citex
    \let\@biblabel\NAT@biblabel
    \let\@bibsetup\NAT@bibsetup
    \let\NAT@space\NAT@spacechar
    \let\NAT@penalty\@empty
    \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
    \def\natexlab##1{##1}%
  \fi}
\newcommand\NAT@Latin@citex{}
\def\NAT@Latin@citex%
  [#1][#2]#3{%
  \NAT@reset@parser
  \NAT@sort@cites{#3}%
  \NAT@reset@citea
  \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
    \@for\@citeb:=\NAT@cite@list\do
    {\@safe@activestrue
     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
     \@safe@activesfalse
     \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
       {\reset@font\bfseries ?}\NAT@citeundefined
                  \PackageWarning{natbib}%
       {Citation `\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
     {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
      \NAT@parse{\@citeb}%
      \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
        \let\NAT@name=\NAT@all@names
        \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
      \fi
     \ifNAT@full\let\NAT@nm\NAT@all@names\else
       \let\NAT@nm\NAT@name\fi
     \ifNAT@swa\ifcase\NAT@ctype
       \if\relax\NAT@date\relax
         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
       \else
         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
            \ifx\NAT@last@yr\NAT@year
              \def\NAT@temp{{?}}%
              \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
               {Multiple citation on page \thepage: same authors and
               year\MessageBreak without distinguishing extra
               letter,\MessageBreak appears as question mark}\fi
              \NAT@hyper@{\NAT@exlab}%
            \else\unskip\NAT@spacechar
              \NAT@hyper@{\NAT@date}%
            \fi
         \else
           \@citea\NAT@hyper@{%
             \NAT@nmfmt{\NAT@nm}%
```

```
            \hyper@natlinkbreak{%
              \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
            }%
            \NAT@date
          }%
        \fi
      \fi
    \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
    \or\@citea\NAT@hyper@{\NAT@date}%
    \or\@citea\NAT@hyper@{\NAT@alias}%
    \fi \NAT@def@citea
    \else
      \ifcase\NAT@ctype
       \if\relax\NAT@date\relax
         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
       \else
        \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
           \ifx\NAT@last@yr\NAT@year
             \def\NAT@temp{{?}}%
             \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
              {Multiple citation on page \thepage: same authors and
              year\MessageBreak without distinguishing extra
              letter,\MessageBreak appears as question mark}\fi
             \NAT@hyper@{\NAT@exlab}%
           \else
             \unskip\NAT@spacechar
             \NAT@hyper@{\NAT@date}%
           \fi
        \else
          \@citea\NAT@hyper@{%
            \NAT@nmfmt{\NAT@nm}%
            \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
              {\@citeb\@extra@b@citeb}%
            \NAT@date
          }%
        \fi
       \fi
      \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
      \or\@citea\NAT@hyper@{\NAT@date}%
      \or\@citea\NAT@hyper@{\NAT@alias}%
      \fi
      \if\relax\NAT@date\relax
        \NAT@def@citea
      \else
        \NAT@def@citea@close
      \fi
    \fi
    }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
    \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
\newcommand\NAT@Latin@citexnum{}
\def\NAT@Latin@citexnum[#1][#2]#3{%
  \NAT@reset@parser
  \NAT@sort@cites{#3}%
  \NAT@reset@citea
```

```
\@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
  \@for\@citeb:=\NAT@cite@list\do
  {\@safe@activestrue
   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
   \@safe@activesfalse
   \@ifundefined{b@\@citeb\@extra@b@citeb}{%
     {\reset@font\bfseries?}
      \NAT@citeundefined\PackageWarning{natbib}%
     {Citation `\@citeb' on page \thepage \space undefined}}%
   {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
    \NAT@parse{\@citeb}%
    \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
      \let\NAT@name=\NAT@all@names
      \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
    \fi
    \ifNAT@full\let\NAT@nm\NAT@all@names\else
      \let\NAT@nm\NAT@name\fi
    \ifNAT@swa
     \@ifnum{\NAT@ctype>\@ne}{%
      \@citea
      \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
     }{%
      \@ifnum{\NAT@cmprs>\z@}{%
       \NAT@ifcat@num\NAT@num
        {\let\NAT@nm=\NAT@num}%
        {\def\NAT@nm{-2}}%
       \NAT@ifcat@num\NAT@last@num
        {\@tempcnta=\NAT@last@num\relax}%
        {\@tempcnta\m@ne}%
       \@ifnum{\NAT@nm=\@tempcnta}{%
        \@ifnum{\NAT@merge>\@ne}{}{\NAT@last@yr@mbox}%
       }{%
         \advance\@tempcnta by\@ne
         \@ifnum{\NAT@nm=\@tempcnta}{%
           \ifx\NAT@last@yr\relax
             \def@NAT@last@yr{\@citea}%
           \else
             \def@NAT@last@yr{--\NAT@penalty}%
           \fi
         }{%
           \NAT@last@yr@mbox
         }%
       }%
      }{%
       \@tempswatrue
       \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{}%
       \if@tempswa\NAT@citea@mbox\fi
      }%
     }%
     \NAT@def@citea
    \else
      \ifcase\NAT@ctype
        \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
          \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
```

```
          \fi
          \if*#1*\else#1\NAT@spacechar\fi
          \NAT@mbox{\NAT@hyper@{{\citenumfont{\NAT@num}}}}%
          \NAT@def@citea@box
        \or
          \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
        \or
          \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
        \or
          \NAT@hyper@citea@space\NAT@alias
        \fi
      \fi
     }%
    }%
      \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
      \ifNAT@swa\else
        \@ifnum{\NAT@ctype=\z@}{%
          \if*#2*\else\NAT@cmt#2\fi
        }{}%
        \NAT@mbox{\NAT@@close}%
      \fi
  }}{#1}{#2}%
}%
\AtBeginDocument{\NAT@set@cites}
\DeclareRobustCommand\Latincite
    {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
      \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
\newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
     \ifNAT@numbers\else
     \NAT@swafalse
     \fi
    \NAT@@Latin@@citetp[]}}
\newcommand\NAT@@Latin@@citetp{}
\def\NAT@@Latin@@citetp[#1]{\@ifnextchar[{\@Latincitex[#1]}{\@Latincitex[][#1]}}
```

46 File packages-localise-xepersian.def

```
packages}        \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
color}   \}{color}         @\-localise-xepersian.def}}{}
\@ifpackageloaded{multicol}{%
\newenvironment{      }{\begin{multicols}}{\end{multicols}}%
\newenvironment{      *}{\begin{multicols*}}{\end{multicols*}}%
}{}
\@ifpackageloaded{verbatim}{%
\begingroup
 \vrb@catcodes
 \lccode`\!=`\\ \lccode`\[=`\{ \lccode`\]=`\}
 \catcode`\~=\active \lccode`\~=`\^^M
 \lccode`\C=`\C
 \lowercase{\endgroup
    \def\xepersian@localize@verbatim@start#1{%
      \verbatim@startline
      \if\noexpand#1\noexpand~%
        \let\next\xepersian@localize@verbatim@
```

```
2374      \else \def\next{\xepersian@localize@verbatim@#1}\fi
2375      \next}%
2376    \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1!   \@nil}%
2377    \def\xepersian@localize@verbatim@@#1!   {%
2378       \verbatim@addtoline{#1}%
2379       \futurelet\next\xepersian@localize@verbatim@@@}%
2380    \def\xepersian@localize@verbatim@@@#1\@nil{%
2381       \ifx\next\@nil
2382         \verbatim@processline
2383         \verbatim@startline
2384         \let\next\xepersian@localize@verbatim@
2385       \else
2386         \def\@tempa##1!   \@nil{##1}%
2387         \@temptokena{!   }%
2388         \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2389       \fi \next}%
2390    \def\xepersian@localize@verbatim@test#1{%
2391           \let\next\xepersian@localize@verbatim@test
2392           \if\noexpand#1\noexpand~%
2393             \expandafter\verbatim@addtoline
2394               \expandafter{\the\@temptokena}%
2395             \verbatim@processline
2396             \verbatim@startline
2397             \let\next\xepersian@localize@verbatim@
2398           \else \if\noexpand#1
2399             \@temptokena\expandafter{\the\@temptokena#1}%
2400           \else \if\noexpand#1\noexpand[%
2401             \let\@tempc\@empty
2402             \let\next\xepersian@localize@verbatim@testend
2403           \else
2404             \expandafter\verbatim@addtoline
2405               \expandafter{\the\@temptokena}%
2406             \def\next{\xepersian@localize@verbatim@#1}%
2407           \fi\fi\fi
2408           \next}%
2409    \def\xepersian@localize@verbatim@testend#1{%
2410         \if\noexpand#1\noexpand~%
2411           \expandafter\verbatim@addtoline
2412             \expandafter{\the\@temptokena[}%
2413           \expandafter\verbatim@addtoline
2414             \expandafter{\@tempc}%
2415           \verbatim@processline
2416           \verbatim@startline
2417           \let\next\xepersian@localize@verbatim@
2418         \else\if\noexpand#1\noexpand]%
2419           \let\next\xepersian@localize@verbatim@@testend
2420         \else\if\noexpand#1\noexpand!%
2421           \expandafter\verbatim@addtoline
2422             \expandafter{\the\@temptokena[}%
2423           \expandafter\verbatim@addtoline
2424             \expandafter{\@tempc}%
2425           \def\next{\xepersian@localize@verbatim@!}%
2426         \else \expandafter\def\expandafter\@tempc\expandafter
2427           {\@tempc#1}\fi\fi\fi
```

```
          \next}%
    \def\xepersian@localize@verbatim@@testend{%
       \ifx\@tempc\@currenvir
         \verbatim@finish
         \edef\next{\noexpand\end{\@currenvir}%
                    \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
       \else
         \expandafter\verbatim@addtoline
           \expandafter{\the\@temptokena[}%
           \expandafter\verbatim@addtoline
             \expandafter{\@tempc]}%
         \let\next\xepersian@localize@verbatim@
       \fi
       \next}%
    \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
        \@warning{Characters dropped after `\string\end{#1}'}\fi}}%
\def\       {\begingroup\@verbatim \frenchspacing\@vobeyspaces
             \xepersian@localize@verbatim@start}
\@namedef{      *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
\def\end      {\endtrivlist\endgroup\@doendpe}
\expandafter\let\csname end      *\endcsname =\end
}{}
\ExplSyntaxOn
\AtBeginDocument{
  \xepersian_localize_patch_verbatim:
}
\cs_set:Npn \xepersian_localize_patch_verbatim: {
  \@ifpackageloaded{verbatim}{
    \cs_set:cpn {*      } }
      \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@s
    }
  }{
  }
}
\ExplSyntaxOff
\@ifpackageloaded{graphicx}{%
\def\Gin@boolkey#1#2{%
\expandafter\@ifdefinable  \csname Gin@#2  \endcsname{%
\expandafter\let\csname Gin@#2  \expandafter\endcsname\csname Gin@#2true\endcsname}%
\expandafter\@ifdefinable  \csname Gin@#2   \endcsname{%
\expandafter\let\csname Gin@#2   \expandafter\endcsname\csname Gin@#2false\endcsname}%
  \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
\define@key{Grot}{origin}[c]{%
 \@tfor\@tempa:=#1\do{%
    \if l\@tempa \Grot@x\z@\else
    \if tempa@\  \Grot@x\z@\else
    \if r\@tempa \Grot@x\width\else
    \if tempa@\  \Grot@x\width\else
    \if t\@tempa \Grot@y\height\else
    \if tempa@\  \Grot@y\height\else
    \if b\@tempa \Grot@y-\depth\else
    \if tempa@\  \Grot@y-\depth\else
    \if B\@tempa \Grot@y\z@\else
    \if tempa@\  \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
```

```
{draft}{    }{Gin}  @   \
{origin}{   }{Gin}  @   \
{origin}{   }{Grot}  @   \
{clip}{    }{Gin}  @   \
{keepaspectratio}{     }{Gin}  @   \
{natwidth}{      }{Gin}  @   \
{natheight}{       }{Gin}  @   \
{bb}{    }{Gin}  @   \
{viewport}{       }{Gin}  @   \
{trim}{     }{Gin}  @   \
{angle}{   }{Gin}  @   \
{width}{   }{Gin}  @   \
{height}{   }{Gin}  @   \
{totalheight}{     }{Gin}  @   \
{scale}{   }{Gin}  @   \
{type}{  }{Gin}  @   \
{ext}{   }{Gin}  @   \
{read}{    }{Gin}  @   \
{command}{   }{Gin}  @   \
{x}{  }{Grot}  @   \
{y}{  }{Grot}  @   \
{units}{  }{Grot}  @   \
}{}
```

47 File url-xepersian.def

```
\ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
\begingroup
 \lccode`+=`\% \lccode`\~=`\%
  \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
    \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
\endgroup%
```

48 File persian-tex-text.map

```
LHSName "persian-TeX-text"
RHSName "Unicode"

pass(Unicode)
U+0030 <> U+06F0 ;
U+0031 <> U+06F1 ;
U+0032 <> U+06F2 ;
U+0033 <> U+06F3 ;
U+0034 <> U+06F4 ;
U+0035 <> U+06F5 ;
U+0036 <> U+06F6 ;
U+0037 <> U+06F7 ;
U+0038 <> U+06F8 ;
U+0039 <> U+06F9 ;


U+002C <> U+060C ; comma > arabic comma
U+003F <> U+061F ; question mark -> arabic qm
U+003B <> U+061B ; semicolon -> arabic semicolon
```

```
2530
2531 ; ligatures from Knuth's original CMR fonts
2532 U+002D U+002D <> U+2013 ; -- -> en dash
2533 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2534
2535 U+0027 <> U+2019 ; ' -> right single quote
2536 U+0027 U+0027 <> U+201D ; '' -> right double quote
2537 U+0022  > U+201D ; " -> right double quote
2538
2539 U+0060 <> U+2018 ; ` -> left single quote
2540 U+0060 U+0060 <> U+201C ; `` -> left double quote
2541
2542 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2543 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2544
2545 ; additions supported in T1 encoding
2546 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2547 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2548 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

49 File persian-tex-text-nonumbers.map

```
2549 LHSName "persian-TeX-text-nonumbers"
2550 RHSName "Unicode"
2551
2552 pass(Unicode)
2553 U+002C <> U+060C ; comma > arabic comma
2554 U+003F <> U+061F ; question mark -> arabic qm
2555 U+003B <> U+061B ; semicolon -> arabic semicolon
2556
2557 ; ligatures from Knuth's original CMR fonts
2558 U+002D U+002D <> U+2013 ; -- -> en dash
2559 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2560
2561 U+0027 <> U+2019 ; ' -> right single quote
2562 U+0027 U+0027 <> U+201D ; '' -> right double quote
2563 U+0022  > U+201D ; " -> right double quote
2564
2565 U+0060 <> U+2018 ; ` -> left single quote
2566 U+0060 U+0060 <> U+201C ; `` -> left double quote
2567
2568 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2569 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2570
2571 ; additions supported in T1 encoding
2572 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2573 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2574 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

50 File rapport1-xepersian.def

```
2575 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2576 \renewcommand*\thepart{\@tartibi\c@part}
2577 \renewcommand*\appendix{\par
```

```
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
  \gdef\thechapter{\@harfi\c@chapter}}
```

51 File rapport3-xepersian.def

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

52 File refrep-xepersian.def

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

53 File report-xepersian.def

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

54 File scrartcl-xepersian.def

```
\ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
\renewcommand*{\thepart}{\@tartibi\c@part}
\renewcommand*\appendix{%
  \Ifstr{\@currenvir}{appendix}{%
    \ClassWarning{\KOMAClassName}{%
      You are using
      `\string\begin{appendix}...\string\end{appendix}'.\MessageBreak
      You should note, that `\string\appendix' is a mostly
      globally\MessageBreak
      working command not an enviroment with only local\MessageBreak
      effects. Therefore `\string\end{appendix}' will neither\MessageBreak
      switch back to normal section numbering nor finish\MessageBreak
      every other effect of `\string\begin{appendix}'.\MessageBreak
      Nevertheless, some effects may end with\MessageBreak
      `\string\end{appendix}' and the document may become\MessageBreak
```

```
      inconsistent.\MessageBreak
      Because of this, you should remove `\string\end{appendix}'\MessageBreak
      and replace `\string\begin{appendix}' by command\MessageBreak
      `\string\appendix'%
    }%
  }{}%
  \par
  \setcounter{section}{0}%
  \setcounter{subsection}{0}%
  \gdef\thesection{\@harfi\c@section}%
}
\IfLTXAtLeastTF{2020/10/01}{%
  \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
}{}
\g@addto@macro{\appendix}{\csname appendixmore\endcsname}
\renewcommand*{\@@maybeautodot}[1]{%
  \ifx #1\@stop\let\@@maybeautodot\relax
  \else
    \ifx #1\harfi \@autodottrue\fi
    \ifx #1\adadi \@autodottrue\fi
    \ifx #1\tartibi \@autodottrue\fi
    \ifx #1\Alph \@autodottrue\fi
    \ifx #1\alph \@autodottrue\fi
    \ifx #1\Roman \@autodottrue\fi
    \ifx #1\roman \@autodottrue\fi
    \ifx #1\@harfi \@autodottrue\fi
    \ifx #1\@adadi \@autodottrue\fi
    \ifx #1\@tartibi \@autodottrue\fi
    \ifx #1\@Alph \@autodottrue\fi
    \ifx #1\@alph \@autodottrue\fi
    \ifx #1\@Roman \@autodottrue\fi
    \ifx #1\@roman \@autodottrue\fi
    \ifx #1\romannumeral \@autodottrue\fi
  \fi
  \@@maybeautodot
}
```

55 File scrbook-xepersian.def

```
\ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
\renewcommand*\frontmatter{%
  \if@twoside\cleardoubleoddpage\else\clearpage\fi
  \@mainmatterfalse\pagenumbering{harfi}%
}
\renewcommand*{\thepart}{\@tartibi\c@part}
\renewcommand*\appendix{%
  \Ifstr{\@currenvir}{appendix}{%
    \ClassWarning{\KOMAClassName}{%
      You are using
      `\string\begin{appendix}...\string\end{appendix}'.\MessageBreak
      You should note, that `\string\appendix' is a mostly
      globally\MessageBreak
      working command not an enviroment with only local\MessageBreak
      effects. Therefore `\string\end{appendix}' will neither\MessageBreak
```

```
      switch back to normal section numbering nor finish\MessageBreak
      every other effect of `\string\begin{appendix}'.\MessageBreak
      Nevertheless, some effects may end with\MessageBreak
      `\string\end{appendix}' and the document may become\MessageBreak
      inconsistent.\MessageBreak
      Because of this, you should remove `\string\end{appendix}'\MessageBreak
      and replace `\string\begin{appendix}' by command\MessageBreak
      `\string\appendix'%
    }%
  }{}%
  \par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
  \gdef\thechapter{\@harfi\c@chapter}%
}
\IfLTXAtLeastTF{2020/10/01}{%
  \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
}{}
\g@addto@macro{\appendix}{\csname appendixmore\endcsname}
\renewcommand*{\@@maybeautodot}[1]{%
  \ifx #1\@stop\let\@@maybeautodot\relax
  \else
    \ifx #1\harfi \@autodottrue\fi
    \ifx #1\adadi \@autodottrue\fi
    \ifx #1\tartibi \@autodottrue\fi
    \ifx #1\Alph \@autodottrue\fi
    \ifx #1\alph \@autodottrue\fi
    \ifx #1\Roman \@autodottrue\fi
    \ifx #1\roman \@autodottrue\fi
    \ifx #1\@harfi \@autodottrue\fi
    \ifx #1\@adadi \@autodottrue\fi
    \ifx #1\@tartibi \@autodottrue\fi
    \ifx #1\@Alph \@autodottrue\fi
    \ifx #1\@alph \@autodottrue\fi
    \ifx #1\@Roman \@autodottrue\fi
    \ifx #1\@roman \@autodottrue\fi
    \ifx #1\romannumeral \@autodottrue\fi
  \fi
  \@@maybeautodot
}
```

56 File scrreprt-xepersian.def

```
\ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
\renewcommand*{\thepart}{\@tartibi\c@part}
\renewcommand*\appendix{%
  \Ifstr{\@currenvir}{appendix}{%
    \ClassWarning{\KOMAClassName}{%
      You are using
      `\string\begin{appendix}...\string\end{appendix}'.\MessageBreak
      You should note, that `\string\appendix' is a mostly
      globally\MessageBreak
      working command not an enviroment with only local\MessageBreak
```

```
      effects. Therefore `\string\end{appendix}' will neither\MessageBreak
      switch back to normal section numbering nor finish\MessageBreak
      every other effect of `\string\begin{appendix}'.\MessageBreak
      Nevertheless, some effects may end with\MessageBreak
      `\string\end{appendix}' and the document may become\MessageBreak
      inconsistent.\MessageBreak
      Because of this, you should remove `\string\end{appendix}'\MessageBreak
      and replace `\string\begin{appendix}' by command\MessageBreak
      `\string\appendix'%
    }%
  }{}%
  \par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \gdef\@chapapp{\appendixname}%
  \gdef\thechapter{\@harfi\c@chapter}%
}
\IfLTXAtLeastTF{2020/10/01}{%
  \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
}{}
\g@addto@macro{\appendix}{\csname appendixmore\endcsname}
\renewcommand*{\@@maybeautodot}[1]{%
  \ifx #1\@stop\let\@@maybeautodot\relax
  \else
    \ifx #1\harfi \@autodottrue\fi
    \ifx #1\adadi \@autodottrue\fi
    \ifx #1\tartibi \@autodottrue\fi
    \ifx #1\Alph \@autodottrue\fi
    \ifx #1\alph \@autodottrue\fi
    \ifx #1\Roman \@autodottrue\fi
    \ifx #1\roman \@autodottrue\fi
    \ifx #1\@harfi \@autodottrue\fi
    \ifx #1\@adadi \@autodottrue\fi
    \ifx #1\@tartibi \@autodottrue\fi
    \ifx #1\@Alph \@autodottrue\fi
    \ifx #1\@alph \@autodottrue\fi
    \ifx #1\@Roman \@autodottrue\fi
    \ifx #1\@roman \@autodottrue\fi
    \ifx #1\romannumeral \@autodottrue\fi
  \fi
  \@@maybeautodot
}
```

57 File soul-xepersian.def

```
\ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
\let\SOUL@tt@latin\SOUL@tt
\newfontface{\SOUL@tt@nonlatin}{Times New Roman}
\def\SOUL@tt{%
  \if@nonlatin
    \SOUL@tt@nonlatin
  \else
    \SOUL@tt@latin
  \fi
```

```
}
\bidi@appto\resetlatinfont{%
  \setbox\z@\hbox{\SOUL@tt-}%
  \SOUL@ttwidth\wd\z@
}
\bidi@appto\setpersianfont{%
  \setbox\z@\hbox{\SOUL@tt-}%
  \SOUL@ttwidth\wd\z@
}
```

58 File tkz-linknodes-xepersian.def

```
\ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
\renewcommand*{\@SetTab}{%
 \let\@alph\@latinalph%
  \ifnum \value{C@NumTab}>25\relax%
     \setcounter{C@NumTab}{1}%
  \else%
     \stepcounter{C@NumTab}%
  \fi%
    \setcounter{C@NumGroup}{0}%
 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
  \setboolean{B@FirstLink}{true}
  \setboolean{B@NewGroup}{false}
  \setcounter{C@NumGroup}{0}
  \setcounter{C@CurrentGroup}{0}
  \setcounter{NumC@Node}{0}
  \setcounter{NumC@Stop}{0}
  \setcounter{C@NextNode}{0}
  \setcounter{C@CurrentStop}{0}
  \setcounter{C@CurrentNode}{0}
}%
```

59 File tocloft-xepersian.def

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

60 File varioref-xepersian.def

```
\ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package
\def\reftextfaceafter{%
  \if@RTL

\reftextvario{   }{  }%
```

```
  \else
    on the \reftextvario{facing}{next} page%
  \fi
}
\def\reftextfacebefore{%
  \if@RTL

\reftextvario{   }{  }%
  \else
    on the \reftextvario{facing}{preceding} page%
  \fi
}
\def\reftextafter{%
  \if@RTL

\reftextvario{  }{  }%
  \else
    on the \reftextvario{following}{next} page%
  \fi
}
\def\reftextbefore{%
  \if@RTL

\reftextvario{  }{  }%
  \else
    on the \reftextvario{preceding}{previous} page%
  \fi
}
\def\reftextcurrent{%
  \if@RTL

\reftextvario{     }{   %{
  \else
    on \reftextvario{this}{the current} page%
  \fi
}
\def\reftextfaraway#1{%
  \if@RTL
  %
~\pageref{#1}%
  \else
    on page~\pageref{#1}%
  \fi
}
\def\reftextpagerange#1#2{%
  \if@RTL
  %
~\pageref{#1}--\pageref{#2}%
  \else
    on pages~\pageref{#1}--\pageref{#2}%
  \fi
}
\def\reftextlabelrange#1#2{%
  \if@RTL
```

```
    \ref{#1} %ref{#2}\~
  \else
    \ref{#1} to~\ref{#2}%
  \fi
}
```

61 File xepersian.sty

```
\NeedsTeXFormat{LaTeX2e}
\def\xepersian@version{25.5}
\def\xepersiandate{2024/12/20}
\def\xepersian@releasename{Mount Damavand}
\def\xepersian@persian@@releasename{    }
\newcommand*{\xepersianreleasename}{\if@RTL\xepersian@persian@@releasename\else\xepersian@rel
\ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersia
Persian typesetting in XeLaTeX]
\newif\if@xepersian@banner
\newif\if@xepersian@@computeautoilg
\DeclareUnknownKeyHandler{%
  \PassOptionsToPackage{\CurrentOption}{bidi}%
}
\ExplSyntaxOn
\keys_define:nn { xepersian }
  {
    banner .choice: ,
    banner / on .code:n =
      \@xepersian@bannertrue
      \PassOptionsToPackage{banner=on}{bidi} ,
    banner / off .code:n =
      \@xepersian@bannerfalse
      \PassOptionsToPackage{banner=off}{bidi} ,
    banner .default:n = on
  }
\keys_define:nn { xepersian }
  {
    mathdigits .choice: ,
    mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
    mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
    mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
  }
\keys_define:nn { xepersian }
  {
    inlinemathdigits .choice: ,
    inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
    inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
    inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
  }
\keys_define:nn { xepersian }
  {
    displaymathdigits .choice: ,
    displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
    displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
    displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
  }
```

```
\keys_define:nn { xepersian }
  {
    Kashida .choice: ,
    Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xepersian.def}} ,
    Kashida / off .code:n = \relax ,
    Kashida .default:n = on
  }
\keys_define:nn { xepersian }
  {
    localise .choice: ,
    localise / on .code:n = \AtEndOfPackage{\input{localise-xepersian.def}} ,
    localise / off .code:n = \relax ,
    localise .default:n = on
  }
\cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
{
  \AtEndOfPackage{%
      \ifwritexviii
        \@ifclassloaded{memoir}{%
          \PackageError{xepersian}{%
            This~feature~does~not~yet~work~with~the~memoir~class}{}%
        }{%
          \renewcommand\printindex{\newpage%
            \immediate\closeout\@indexfile
            \immediate\write18{%
              xindy~-L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
               \@input@{\jobname.ind}}%
        }
      \else
        \PackageError{xepersian}{%
          "shell~escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex~--shell-esca
      \fi
    }
}
\keys_define:nn { xepersian }
  {
    quickindex-variant .choice: ,
    quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
    quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
    quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
  }
\keys_define:nn { xepersian }
  {
    abjad-variant .choice: ,
    abjad-variant / one .code:n =
      \def\PersianAlphs{%
        \let\@alph\@abjad
        \let\@Alph\@abjad
      } ,
    abjad-variant / two .code:n =
     \def\PersianAlphs{%
       \let\@alph\@Abjad
       \let\@Alph\@Abjad
     }
```

```
  }
\keys_define:nn { xepersian }
  {
    defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
  }
\keys_define:nn { xepersian }
  {
    mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
  }
\keys_define:nn { xepersian }
  {
    fontsizescale .code:n = \def\xepersian@@fontsize@scale{#1}
  }
\keys_define:nn { xepersian }
  {
    fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
  }
\keys_define:nn { xepersian }
  {
    latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
  }
\keys_define:nn { xepersian }
  {
    baselineskipscale .code:n = \def\xepersian@@baselineskip@scale{#1}
  }
\keys_define:nn { xepersian }
  {
    latinbaselineskipscale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
  }
\keys_define:nn { xepersian }
  {
    computeautoilg .choice: ,
    computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
    computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
    computeautoilg .default:n = on
  }
\keys_define:nn { xepersian }
  {
    debugtextdigitfont .choice: ,
    debugtextdigitfont / on .code:n = \AtEndOfPackage{%
      \bidi@AtEndPreamble{%
        \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
          \addfontfeature{Color=C71585}
        }{}{}
      }
    } ,
    debugtextdigitfont / off .code:n = \relax ,
    debugtextdigitfont .default:n = on
  }
\keys_set:nn { xepersian }
  {
    banner = on ,
    abjad-variant = two ,
    fontsizescale = \@ne ,
```

```
    latinfontsizescale = \@ne ,
    mathfontsizescale = \@ne ,
    baselineskipscale = \@ne ,
    latinbaselineskipscale = \@ne
  }
\ExplSyntaxOff
\ProcessKeyOptions
\edef\@xepersian@info{**************************************************^^J%
* ^^J%
* xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
* ^^J%
* Description: The package supports Persian^^J%
* typesetting, using fonts provided in the^^J%
* distribution.^^J%
* ^^J%
* Copyright (c) 2008--2024 Vafa Khalighi^^J%
* Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
* ^^J%
* v\xepersian@version\space (Release \xepersian@releasename), \xepersiandate^^J%
* ^^J%
* License: LaTeX Project Public License, version^^J%
* 1.3c or higher (your choice)^^J%
* ^^J%
* Location on CTAN: /macros/xetex/latex/xepersian^^J%
* ^^J%
* Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
* ^^J%
* Discussions: https://github.com/xepersian/xepersian/discussions^^J%
* ^^J%
* Primary author of xepersian package: Vafa Khalighi.^^J%
* ^^J%
**************************************************}
\edef\xepersian@everyjob{\the\everyjob}
\if@xepersian@banner
  \typeout{\@xepersian@info}
  \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
\fi
\RequirePackage{fontspec}
\RequirePackage{xepersian-persiancal}
\RequirePackage{xepersian-mathdigitspec}
\RequirePackage[%
  documentdirection=righttoleft,%
  tabledirection=righttoleft,%
  script=nonlatin,%
  footnotedirection=righttoleft,%
  footnoterule=automatic%
]{bidi}
\newcommand*{\xepersianversion}
  {\ensuremath\xepersian@version}
\newcommand*{\IfxepersianPackageVersionLater}[1]{%
  \ifdim\xepersian@version pt > #1 pt %
    \expandafter\@firstoftwo
  \else
    \expandafter\@secondoftwo
```

```
  \fi}
\newcommand*{\IfxepersianPackageVersionBefore}[1]{%
  \ifdim\xepersian@version pt < #1 pt %
    \expandafter\@firstoftwo
  \else
    \expandafter\@secondoftwo
  \fi}
\newcommand*{\IfxepersianPackageVersion}[1]{%
  \ifdim\xepersian@version pt = #1 pt %
    \expandafter\@firstoftwo
  \else
    \expandafter\@secondoftwo
  \fi}
\def\prq{«}
\def\plq{»}
\def\xepersian@cmds@temp#1{%
  \begingroup\expandafter\expandafter\expandafter\endgroup
  \expandafter\ifx\csname xepersian@#1\endcsname\relax
    \begingroup
      \escapechar=-1 %
      \edef\x{\expandafter\meaning\csname#1\endcsname}%
      \def\y{#1}%
      \def\z##1->{}%
      \edef\y{\expandafter\z\meaning\y}%
    \expandafter\endgroup
    \ifx\x\y
      \expandafter\def\csname xepersian@#1\expandafter\endcsname
      \expandafter{%
        \csname#1\endcsname
      }%
    \fi
  \fi
}%
\xepersian@cmds@temp{shellescape}
\newif\ifwritexviii
\ifnum\xepersian@shellescape=1\relax
  \writexviiitrue
\else
\writexviiifalse
\fi
\newfontscript{Persian}{arab}
\newfontlanguage{Persian}{FAR}
\ExplSyntaxOn

\keys_define:nn {fontspec-opentype}
  {
    Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
    Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
    Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
  }

\keys_define:nn {fontspec-aat}
 {
  Ligatures / PersianTeX .code:n =
```

```
3139   {
3140     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3141   }
3142 }
3143
3144 \keys_define:nn {fontspec-opentype}
3145  {
3146    Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3147    Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3148    Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3149  }
3150
3151 \keys_define:nn {fontspec-aat}
3152 {
3153  Ligatures / PersianTeXNoNumbers .code:n =
3154   {
3155     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3156   }
3157 }
3158
3159 \DeclareDocumentCommand \settextfont { O{} m O{} }
3160  {
3161    \__xepersian_main_settextfont:nn {#1,#3} {#2}
3162    \ignorespaces
3163  }
3164 \cs_new:Nn \__xepersian_main_settextfont:nn
3165 {
3166  \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3167  \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3168  \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3169   {
3170    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3171    \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3172    \exp_not:N \selectfont
3173   }
3174  }
3175  \str_if_eq:eeT {\familydefault} {\rmdefault}
3176    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3177  \__xepersian_settextfont_hook:nn {#1} {#2}
3178  \normalfont
3179 }
3180
3181 \cs_set_eq:NN \__xepersian_settextfont_hook:nn   \use_none:nn
3182
3183 \DeclareDocumentCommand \settextdigitfont { O{} m O{} }
3184  {
3185    \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3186    \ignorespaces
3187  }
3188 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3189 {
3190  \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2
3191  \use:x
3192   {
```

```
    \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
     {
      \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
      \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
      \exp_not:N \selectfont
     }
   }
   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@star
   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop
   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
   \XeTeXinterchartoks \bidi@digits@charclass  \bidi@sepmark@charclass = {\xepersian@@stop@sw
   \XeTeXinterchartoks \bidi@sepmark@charclass  \bidi@digits@charclass = {\DigitsDotDashInter
   \if@bidi@csundef{xepersian@dualjoiner}{}{%
     \XeTeXinterchartoks \xepersian@dualjoiner  \bidi@digits@charclass = {\xepersian@@start@s
     \XeTeXinterchartoks \bidi@digits@charclass  \xepersian@dualjoiner = {\xepersian@@stop@sw
     \XeTeXinterchartoks \xepersian@lam  \bidi@digits@charclass = {\xepersian@@start@switch@t
     \XeTeXinterchartoks \bidi@digits@charclass  \xepersian@lam = {\xepersian@@stop@switch@te
     \XeTeXinterchartoks \xepersian@alef  \bidi@digits@charclass = {\xepersian@@start@switch@
     \XeTeXinterchartoks \bidi@digits@charclass  \xepersian@alef = {\xepersian@@stop@switch@t
     \XeTeXinterchartoks \xepersian@rightjoiner  \bidi@digits@charclass = {\xepersian@@start@
     \XeTeXinterchartoks \bidi@digits@charclass  \xepersian@rightjoiner = {\xepersian@@stop@s
   }
 }

\newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
\newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin\

\cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn   \use_none:nn

\DeclareDocumentCommand \setdigitfont { O{} m O{} }
  {
    \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
    \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
    \ignorespaces
  }


\DeclareDocumentCommand \setlatintextfont { O{} m O{} }
  {
    \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
    \ignorespaces
  }
\cs_new:Nn \__xepersian_main_setlatintextfont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
  \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
    \exp_not:N \selectfont
   }
  }
```

```
  \str_if_eq:eeT {\familydefault} {\rmdefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
  \__xepersian_setlatintextfont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn   \use_none:nn

\tl_set_eq:NN \setlatinsansfont \setsansfont
\tl_set_eq:NN \setlatinmonofont \setmonofont

\DeclareDocumentCommand \defpersianfont { m O{} m O{} }
  {
    \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
    \NewDocumentCommand
  }
\DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
  {
    \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
    \RenewDocumentCommand
  }
\cs_new:Nn \__xepersian_main_defpersianfont:NnnN
 {
  \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
  \use:x
   {
    \exp_not:N #4 \exp_not:N #1 {}
     {
      \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
      \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
      \exp_not:N \selectfont
     }
   }
 }

\DeclareDocumentCommand \deflatinfont { m O{} m O{} }
  {
    \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
    \NewDocumentCommand
  }
\DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
  {
    \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
    \RenewDocumentCommand
  }
\cs_new:Nn \__xepersian_main_deflatinfont:NnnN
 {
  \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3
  \use:x
   {
    \exp_not:N #4 \exp_not:N #1 {}
     {
      \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
      \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
```

```
      \exp_not:N \selectfont
    }
  }
}

\newcommand\persiansfdefault{}
\newcommand\persianttdefault{}
\newcommand\iranicdefault{}
\newcommand\navardefault{}
\newcommand\pookdefault{}
\newcommand\sayehdefault{}
\DeclareRobustCommand\persiansffamily
        {\not@math@alphabet\persiansffamily\mathpersiansf
         \fontfamily\persiansfdefault\selectfont}
\DeclareRobustCommand\persianttfamily
        {\not@math@alphabet\persianttfamily\mathpersiantt
         \fontfamily\persianttdefault\selectfont}
\DeclareRobustCommand\iranicfamily
        {\not@math@alphabet\iranicfamily\mathiranic
         \fontfamily\iranicdefault\selectfont}
\DeclareRobustCommand\navarfamily
        {\not@math@alphabet\navarfamily\mathnavar
         \fontfamily\navardefault\selectfont}
\DeclareRobustCommand\pookfamily
        {\not@math@alphabet\pookfamily\mathpook
         \fontfamily\pookdefault\selectfont}
\DeclareRobustCommand\sayehfamily
        {\not@math@alphabet\sayehfamily\mathsayeh
         \fontfamily\sayehdefault\selectfont}
\DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
\DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
\DeclareTextFontCommand{\textiranic}{\iranicfamily}
\DeclareTextFontCommand{\textnavar}{\navarfamily}
\DeclareTextFontCommand{\textpook}{\pookfamily}
\DeclareTextFontCommand{\textsayeh}{\sayehfamily}

\DeclareDocumentCommand \setpersiansansfont { O{} m O{} }
 {
   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
   \ignorespaces
 }
\cs_new:Nn \__xepersian_main_setpersiansansfont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab},I
  \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
  \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
    \exp_not:N \selectfont
   }
  }
  \str_if_eq:eeT {\familydefault} {\persiansfdefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
```

```
  \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn   \use_none:nn

\DeclareDocumentCommand \setpersianmonofont { O{} m O{} }
 {
   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
   \ignorespaces
 }
\cs_new:Nn \__xepersian_main_setpersianmonofont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab},I
  \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
  \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
    \exp_not:N \selectfont
   }
  }
  \str_if_eq:eeT {\familydefault} {\persianttdefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
  \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn   \use_none:nn

\DeclareDocumentCommand \setnavarfont { O{} m O{} }
 {
   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
   \ignorespaces
 }
\cs_new:Nn \__xepersian_main_setnavarfont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_navarfamily_family_tl {RawFeature={script=arab},Ligat
  \tl_set_eq:NN \navardefault \l__fontspec_navarfamily_family_tl
  \use:x { \exp_not:n { \DeclareRobustCommand \navarfamily }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_navarfamily_family_tl }
    \exp_not:N \selectfont
   }
  }
  \str_if_eq:eeT {\familydefault} {\navardefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
  \__xepersian_setnavarfont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setnavarfont_hook:nn   \use_none:nn

```

```
\DeclareDocumentCommand \setpookfont { O{} m O{} }
  {
    \__xepersian_main_setpookfont:nn {#1,#3} {#2}
    \ignorespaces
  }
\cs_new:Nn \__xepersian_main_setpookfont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
  \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
  \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
    \exp_not:N \selectfont
   }
  }
  \str_if_eq:eeT {\familydefault} {\pookdefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
  \__xepersian_setpookfont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setpookfont_hook:nn   \use_none:nn

\DeclareDocumentCommand \setsayehfont { O{} m O{} }
  {
    \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
    \ignorespaces
  }
\cs_new:Nn \__xepersian_main_setsayehfont:nn
 {
  \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligat
  \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
  \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
   {
    \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
    \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
    \exp_not:N \selectfont
   }
  }
  \str_if_eq:eeT {\familydefault} {\sayehdefault}
    { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
  \__xepersian_setsayehfont_hook:nn {#1} {#2}
  \normalfont
 }

\cs_set_eq:NN \__xepersian_setsayehfont_hook:nn   \use_none:nn

\DeclareDocumentCommand \setiranicfont { O{} m O{} }
  {
    \__xepersian_main_setiranicfont:nn {#1,#3} {#2}
    \ignorespaces
  }
\cs_new:Nn \__xepersian_main_setiranicfont:nn
```

```
{
 \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Liga
 \tl_set_eq:NN \iranicdefault \l__fontspec_iranicfamily_family_tl
 \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
  {
   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
   \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
   \exp_not:N \selectfont
  }
 }
 \str_if_eq:eeT {\familydefault} {\iranicdefault}
   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
 \__xepersian_setiranicfont_hook:nn {#1} {#2}
 \normalfont
}

\cs_set_eq:NN \__xepersian_setiranicfont_hook:nn   \use_none:nn

\ExplSyntaxOff
\def\resetlatinfont{%
\let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
\let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
\def\xepersian@@fontsize@scale{%
  \strip@pt\dimexpr 1pt * \dimexpr
  \xepersian@@latin@fontsize@scale pt\relax
  /  \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
}%
\def\xepersian@@baselineskip@scale{%
  \strip@pt\dimexpr 1pt * \dimexpr
  \xepersian@@latin@baselineskip@scale pt\relax
  /  \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
}%
\@nonlatinfalse%
\let\normalfont\latinfont%
\let\reset@font\normalfont%
\latinfont%
\fontsize\f@size\f@baselineskip%
\selectfont%
\let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
\let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
}
\def\setpersianfont{%
\let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
\let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
\let\xepersian@@fontsize@scale\@ne%
\let\xepersian@@baselineskip@scale\@ne%
\@nonlatintrue%
\let\normalfont\persianfont%
\let\reset@font\normalfont%
\persianfont%
\fontsize\f@size\f@baselineskip%
\selectfont%
\let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
\let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
```

```
}
\bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
\bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
\def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
\def\endlatin{\endLTR}
\newenvironment{latin*}{\latin
  \everypar{%
    {\setbox\z@\lastbox
      \ifvoid\z@
        \kern-\parindent
    \fi}%
  }%
}{\endlatin\@endpetrue}
\def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
\def\endpersian{\endRTL}
\newenvironment{persian*}{\persian
  \everypar{%
    {\setbox\z@\lastbox
      \ifvoid\z@
        \kern-\parindent
    \fi}%
  }%
}{\endpersian\@endpetrue}
\newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\e
\newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}
\let\originaltoday=\today
\def\latintoday{\lr{\originaltoday}}
\def\today{\rl{\persiantoday}}
\def \@LTRmarginparreset {%
        \reset@font
        \resetlatinfont
        \normalsize
        \@minipagetrue
        \everypar{\@minipagefalse\everypar{}\beginL}%
}
\DeclareRobustCommand\Latincite{%
  \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
\def\@Latincitex[#1]#2{\leavevmode
  \let\@citea\@empty
  \@cite{\lr{\@for\@citeb:=#2\do
    {\@citea\def\@citea{,\penalty\@m\ }%
     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
       \G@refundefinedtrue
       \@latex@warning
         {Citation `\@citeb' on page \thepage \space undefined}}%
       {\@cite@ofmt{\csname b@\@citeb\endcsname}}}}}{#1}}

\renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}

\newcount\xepersian@tcl
\newdimen\xepersian@ilg
\newdimen\xepersian@strutilg
```

```
\chardef\f@ur=4
\newcommand*{\xepersian@computeautoilg}{% compute the interline glue
 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
 \loop
 \iffontchar\font\xepersian@tcl
 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
   \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
 \fi
 \else
 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
  \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
   \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
 \fi
 \fi
 \fi
 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
   \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
 \fi
 \else
 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
  \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
   \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
 \fi
 \fi
 \fi
 \fi
 \advance\xepersian@tcl\@ne
 \ifnum\xepersian@tcl<1792\repeat
 \advance\xepersian@strutilg\xepersian@ilg
% \ifdim\xepersian@strutilg>\baselineskip
%  \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
%  \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
%  \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
%  \selectfont
% \fi
}

\newif\if@@textdigitfont@on

\newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
\newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}

\TextDigitFontOn

\newcommand*\xepersian@setlength[4]{%
    \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
      \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
        \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
          \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
        \else
          \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
        \fi
```

```
      \else
        \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
          \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
        \else
          \setlength{#1}{\p@ \@plus#3 \@minus#4}%
        \fi
      \fi
    \else
      \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
        \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
          \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
        \else
          \setlength{#1}{#2 \@plus\p@ \@minus#4}%
        \fi
      \else
        \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
          \setlength{#1}{#2 \@plus#3 \@minus\p@}%
        \else
          \setlength{#1}{#2 \@plus#3 \@minus#4}%
        \fi
      \fi
    \fi
}

\newcommand*{\setfontsize}[2][1.2\@tempdima]{%
  \@defaultunits\@tempdima#2pt\relax\@nnil
  \setlength{\@tempdimc}{\@tempdima}%
  \addtolength{\@tempdimc}{-10\p@}%
  \edef\@ptsize{\strip@pt\@tempdimc}%
  \@defaultunits\@tempdimb#1pt\relax\@nnil
  \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
  \edef\@tempb{\the\@tempdimc}%
  \setlength{\@tempdimc}{\@tempdima}%
  \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
  \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
    \xepersian@setlength{\abovedisplayskip}%
                  {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
    \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
    \xepersian@setlength{\belowdisplayshortskip}%
                  {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
  \setlength{\belowdisplayskip}{\abovedisplayskip}%
  \edef\normalsize{%
    \noexpand\@setfontsize\noexpand\normalsize
    {\the\@tempdima}{\the\@tempdimb}%
    \abovedisplayskip \the\abovedisplayskip
    \abovedisplayshortskip \the\abovedisplayshortskip
    \belowdisplayskip \the\belowdisplayskip
    \belowdisplayshortskip \the\belowdisplayshortskip
    \let\noexpand\@listi\noexpand\@listI
  }%
  \setlength{\@tempdima}{0.9125\@tempdimc}%
  \setlength{\@tempdimb}{\@tempb\@tempdima}%
    \xepersian@setlength{\abovedisplayskip}%
                  {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
```

```
  \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
  \xepersian@setlength{\belowdisplayshortskip}%
                {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
\setlength{\belowdisplayskip}{\abovedisplayskip}%
\edef\small{%
  \noexpand\@setfontsize\noexpand\small
  {\the\@tempdima}{\the\@tempdimb}%
  \abovedisplayskip \the\abovedisplayskip
  \abovedisplayshortskip \the\abovedisplayshortskip
  \belowdisplayskip \the\belowdisplayskip
  \belowdisplayshortskip \the\belowdisplayshortskip
  \let\noexpand\@listi\noexpand\@listi@small
}%
\setlength{\@tempdima}{.83334\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
  \xepersian@setlength{\abovedisplayskip}%
                {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
  \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
  \xepersian@setlength{\belowdisplayshortskip}%
                {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
\setlength{\belowdisplayskip}{\abovedisplayskip}%
\edef\footnotesize{%
  \noexpand\@setfontsize\noexpand\footnotesize
  {\the\@tempdima}{\the\@tempdimb}%
  \abovedisplayskip \the\abovedisplayskip
  \abovedisplayshortskip \the\abovedisplayshortskip
  \belowdisplayskip \the\belowdisplayskip
  \belowdisplayshortskip \the\belowdisplayshortskip
  \let\noexpand\@listi\noexpand\@listi@footnotesize
}%
\setlength{\@tempdima}{.66667\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\scriptsize{%
  \noexpand\@setfontsize\noexpand\scriptsize
  {\the\@tempdima}{\the\@tempdimb}%
}%
\setlength{\@tempdima}{.5\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\tiny{%
  \noexpand\@setfontsize\noexpand\tiny
  {\the\@tempdima}{\the\@tempdimb}%
}%
\setlength{\@tempdima}{1.2\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\large{%
  \noexpand\@setfontsize\noexpand\large
  {\the\@tempdima}{\the\@tempdimb}%
}%
\setlength{\@tempdima}{1.44\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\Large{%
  \noexpand\@setfontsize\noexpand\Large
  {\the\@tempdima}{\the\@tempdimb}%
}%
```

```
\setlength{\@tempdima}{1.728\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\LARGE{%
  \noexpand\@setfontsize\noexpand\LARGE
  {\the\@tempdima}{\the\@tempdimb}%
}%
\setlength{\@tempdima}{2.074\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\huge{%
  \noexpand\@setfontsize\noexpand\huge
  {\the\@tempdima}{\the\@tempdimb}%
}%
\setlength{\@tempdima}{2.488\@tempdimc}%
\setlength{\@tempdimb}{\@tempb\@tempdima}%
\edef\Huge{%
  \noexpand\@setfontsize\noexpand\Huge
  {\the\@tempdima}{\the\@tempdimb}%
}%
\normalsize
  \setlength{\@tempdimb}{\f@baselineskip}%
  \xepersian@setlength{\parsep}%
                {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
  \xepersian@setlength{\topsep}%
                {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listi\endcsname
\endgroup
\edef\@listi{\leftmargin\leftmargini
  \topsep \the\topsep
  \parsep \the\parsep
  \itemsep \parsep
  \if@tempswa\noexpand\@list@extra\fi
}%
\let\@listI\@listi
  \xepersian@setlength{\parsep}%
                {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
  \xepersian@setlength{\topsep}%
                {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listi\endcsname
\endgroup
\edef\@listi@small{\leftmargin\leftmargini
  \topsep \the\topsep
  \parsep \the\parsep
  \itemsep \parsep
  \if@tempswa\noexpand\@list@extra\fi
}%
  \xepersian@setlength{\parsep}%
                {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
  \xepersian@setlength{\topsep}%
```

```
                {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listi\endcsname
\endgroup
\edef\@listi@footnotesize{\leftmargin\leftmargini
  \topsep \the\topsep
  \parsep \the\parsep
  \itemsep \parsep
  \if@tempswa\noexpand\@list@extra\fi
}%
  \xepersian@setlength{\parsep}%
                {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
  \xepersian@setlength{\topsep}%
                {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listii\endcsname
\endgroup
\edef\@listii{\leftmargin\leftmarginii
  \labelwidth=\dimexpr \leftmargin-\labelsep
  \topsep \the\topsep
  \parsep \the\parsep
  \itemsep \parsep
  \if@tempswa\noexpand\@list@extra\fi
}%
  \xepersian@setlength{\topsep}%
                {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
\setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listiii\endcsname
\endgroup
\edef\@listiii{\leftmargin\leftmarginiii
  \labelwidth=\dimexpr \leftmargin-\labelsep
  \topsep \the\topsep
  \parsep \z@
  \partopsep \the\partopsep
  \itemsep \topsep
  \if@tempswa\noexpand\@list@extra\fi
}%
\@tempswafalse
\begingroup
  \def\@list@extra{\aftergroup\@tempswatrue}%
  \csname @listiv\endcsname
\endgroup
\edef\@listiv{\leftmargin\leftmarginiv
  \labelwidth=\dimexpr \leftmargin-\labelsep\relax
  \if@tempswa\noexpand\@list@extra\fi
}%
\@tempswafalse
```

```
  \begingroup
    \def\@list@extra{\aftergroup\@tempswatrue}%
    \csname @listv\endcsname
  \endgroup
  \edef\@listv{\leftmargin\leftmarginv
    \labelwidth=\dimexpr \leftmargin-\labelsep\relax
    \if@tempswa\noexpand\@list@extra\fi
  }%
  \@tempswafalse
  \begingroup
    \def\@list@extra{\aftergroup\@tempswatrue}%
    \csname @listvi\endcsname
  \endgroup
  \edef\@listvi{\leftmargin\leftmarginvi
    \labelwidth=\dimexpr \leftmargin-\labelsep\relax
    \if@tempswa\noexpand\@list@extra\fi
  }%
  \@listi
    \setlength{\@tempdimb}{\f@baselineskip}%
    \setlength{\footnotesep}{.555\@tempdimb}%
    \xepersian@setlength{\skip\footins}%
                  {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
    \xepersian@setlength{\floatsep}%
                  {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
    \xepersian@setlength{\textfloatsep}%
                  {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
    \setlength{\intextsep}{\floatsep}%
    \setlength{\dblfloatsep}{\floatsep}%
    \setlength{\dbltextfloatsep}{\textfloatsep}%
    \setlength{\@fptop}{\z@ \@plus 1fil}%
    \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
    \setlength{\@fpbot}{\@fptop}%
    \setlength{\@dblfptop}{\@fptop}%
    \setlength{\@dblfpsep}{\@fpsep}%
    \setlength{\@dblfpbot}{\@fptop}%
    \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
}

\renewcommand*{\@bidi@logo@}{%
  \@bidi@logo@hb@xt@columnwidth
  {\hss\bfseries

  \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}

\renewcommand*{\@bidi@pdfcreator}{%
  The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersi
}

\newcommand*{\@xepersian@pdfcustomproperties}{%
  This is the xepersian package, Version \xepersian@version\space (Release \xepersian@release
  Released December 20, 2024.
}

\newcommand\twocolumnstableofcontents{%
```

```
\if@bidi@csundef{multi@column@out}{%
\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
  \begin{multicols}{2}[\section*{\contentsname}]%
    \small
    \@starttoc{toc}%
  \end{multicols}}}
\bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
  \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
\AtBeginDocument{%
  \def\figurename{\if@RTL else\   Figure\fi}%
  \def\tablename{\if@RTL else\   Table\fi}%
  \def\contentsname{\if@RTL     else\    Contents\fi}%
  \def\listfigurename{\if@RTL     else\    List of Figures\fi}%
  \def\listtablename{\if@RTL     else\    List of Tables\fi}%
  \def\appendixname{\if@RTL else\    Appendix\fi}%
  \def\indexname{\if@RTL else\    Index\fi}%
  \def\refname{\if@RTL else\    References\fi}%
  \def\abstractname{\if@RTL else\    Abstract\fi}%
  \def\partname{\if@RTL else\   Part\fi}%
  \def\datename{\if@RTL else\:    Date:\fi}%
  \def\@@and{\if@RTL else\  and\fi}%
  \def\bibname{\if@RTL else\     Bibliography\fi}%
  \def\chaptername{\if@RTL else\   Chapter\fi}%
  \def\ccname{\if@RTL else\    cc\fi}%
  \def\enclname{\if@RTL else\    encl\fi}%
  \def\pagename{\if@RTL else\   Page\fi}%
  \def\headtoname{\if@RTL else\  To\fi}%
  \def\proofname{\if@RTL else\    Proof\fi}%
}
\def\@Abjad#1{%
  \ifcase#1\or or\  or\  or\  %
           \or or\  or\  or\  or\  %
           \or or\  or\  or\  or\  %
           \or or\  or\  or\  %
           \or or\  or\  or\  or\  %
            \or or\  or\  or\  or\  %
            \else\@ctrerr\fi}
\def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
\let\Abjadnumeral\@Abjad
\def\@harfi#1{\ifcase#1\or or\  or\  or\  or\  or\
or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\  or\
or\  or\  or\  or\  or\  or\  or\  or\  or\  {else\@ctrerr\fi\
\def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
\let\harfinumeral\@harfi
\newcommand{\adadi}[1]{%
\expandafter\@adadi\csname c@#1\endcsname%
}
\newcommand{\@adadi}[1]{%
\xepersian@numberstring{#1}\xepersian@yekanii{  }{}%
}
\let\adadinumeral\@adadi%
\def\xepersian@numberoutofrange#1#2{%
\PackageError{xepersian}{The number `#1' is too large %
to be formatted using xepersian}{The largest possible %
```

```
number is 999,999,999.}%
}
\def\xepersian@numberstring#1#2#3#4{%
\ifnum\number#1<\@ne%
#3%
\else\ifnum\number#1<1000000000 %
\expandafter\xepersian@adadi\expandafter{\number#1}#2%
\else%
\xepersian@numberoutofrange{#1}{#4}%
\fi\fi%
}
\def\xepersian@adadi#1#2{%
\expandafter\xepersian@@adadi%
\ifcase%
\ifnum#1<10 1%
\else\ifnum#1<100 2%
\else\ifnum#1<\@m 3%
\else\ifnum#1<\@M 4%
\else\ifnum#1<100000 5%
\else\ifnum#1<1000000 6%
\else\ifnum#1<10000000 7%
\else\ifnum#1<100000000 8%
\else9%
\fi\fi\fi\fi\fi\fi\fi\fi %
\or00000000#1% case 1: Add 8 leading zeros
\or0000000#1%  case 2: Add 7 leading zeros
\or000000#1%   case 3: Add 6 leading zeros
\or00000#1%    case 4: Add 5 leading zeros
\or0000#1%     case 5: Add 4 leading zeros
\or000#1%      case 6: Add 3 leading zeros
\or00#1%       case 7: Add 2 leading zeros
\or0#1%        case 8: Add 1 leading zero
\or#1%         case 9: Add no leading zeros
\or%
\@nil#2%
\fi%
}
\def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
\ifnum#1#2#3>\z@
\xepersian@milyoongan#1#2#3%
\ifnum#7>\z@\ifnum#4#5#6>\z@\   \else\   \fi\else\ifnum#4#5#6>\z@\   \fi\fi%
\fi%
\ifnum#4#5#6>\z@%
\xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
\ifnum#4#5#6>\@ne\fi%
%
\ifnum#7>\z@\   \fi%
\fi%
\xepersian@sadgan#7{#4#5#6}1#9%
}
\def\xepersian@milyoongan#1#2#3{%
\ifnum#1#2#3=\@ne%
\xepersian@sadgan#1#2#301\xepersian@yekaniii%
%
```

```
%
\else%
\xepersian@sadgan#1#2#301\xepersian@yekanii%
%
%
\fi%
}
\def\xepersian@sadgan#1#2#3#4#5#6{%
\ifnum#1>\z@%
\ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
%
\ifnum#2#3>\z@\   \fi%
\fi%
\ifnum#2#3<20%
\ifnum#5#2#3>\@ne#6{#2#3}\fi%
\else%
\xepersian@dahgan#2%
\ifnum#3>\z@\   \xepersian@yekani#3\fi%
#60%
\fi%
}
\def\xepersian@yekani#1{%
\ifcase#1\@empty\or or\  or\  or\  or\   or\  %
\or or\   or\   or\  or\  or\   or\    %
\or or\    or\    or\    %
\or or\   %fi\
}
\def\xepersian@yekanii#1{%
\ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
}
\def\xepersian@yekaniii#1{%
\ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
}
\def\xepersian@yekaniv#1{%
\ifcase#1\@empty\or\or or\   or\  or\   or\  %
\or or\   or\   %fi\
}
\def\xepersian@dahgan#1{%
\ifcase#1\or\or or\   or\  %
\or or\    or\   or\    %
\or %fi\
}
\newcommand{\tartibi}[1]{%
\expandafter\@tartibi\csname c@#1\endcsname%
}
\newcommand{\@tartibi}[1]{%
\xepersian@numberstring@tartibi{#1}\xepersian@tartibi{  }{ }%
}
\let\tartibinumeral\@tartibi%
\def\xepersian@numberstring@tartibi#1#2#3#4{%
\ifnum\number#1<\@ne%
#3%
\else\ifnum\number#1<1000000000 %
\expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
```

```
\else%
\xepersian@numberoutofrange{#1}{#4}%
\fi\fi%
}
\def\xepersian@adadi@tartibi#1#2{%
\expandafter\xepersian@@adadi@tartibi%
\ifcase%
\ifnum#1<10 1%
\else\ifnum#1<100 2%
\else\ifnum#1<\@m 3%
\else\ifnum#1<\@M 4%
\else\ifnum#1<100000 5%
\else\ifnum#1<1000000 6%
\else\ifnum#1<10000000 7%
\else\ifnum#1<100000000 8%
\else9%
\fi\fi\fi\fi\fi\fi\fi\fi %
\or00000000#1% case 1: Add 8 leading zeros
\or0000000#1%  case 2: Add 7 leading zeros
\or000000#1%   case 3: Add 6 leading zeros
\or00000#1%    case 4: Add 5 leading zeros
\or0000#1%     case 5: Add 4 leading zeros
\or000#1%      case 6: Add 3 leading zeros
\or00#1%       case 7: Add 2 leading zeros
\or0#1%        case 8: Add 1 leading zero
\or#1%         case 9: Add no leading zeros
\or%
\@nil#2%
\fi%
}
\def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
\ifnum#1#2#3>\z@
\xepersian@milyoongan@tartibi#1#2#3%
\ifnum#7>\z@\ifnum#4#5#6>\z@\   \else\   \fi\else\ifnum#4#5#6>\z@\   \fi\fi%
\fi%
\ifnum#4#5#6>\z@%
\xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
\ifnum#4#5#6>\@ne \fi%
%
\ifnum#7>\z@\   \fi%
\fi%
\xepersian@sadgan@tartibi#7{#4#5#6}1#9%
}
\def\xepersian@milyoongan@tartibi#1#2#3{%
\ifnum#1#2#3=\@ne%
\xepersian@sadgan@tartibi#1#2#301\xepersian@yekaniii%
%
%
\else%
\xepersian@sadgan#1#2#301\xepersian@yekanii%
%
%
\fi%
}
```

```
\def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
\ifnum#1>\z@%
\ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
%
\ifnum#2#3>\z@\   \fi%
\fi%
\ifnum#2#3<20%
\ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
\else%
\ifnum#2#3=30%
\xepersian@dahgan@tartibi#2%
\else%
\xepersian@dahgan#2%
\fi%
\ifnum#3>\z@\   \xepersian@yekanv#3\fi%
#60%
\fi%
}
\def\xepersian@dahgan@tartibi#1{%
\ifcase#1\or\or or\   or\   %
\or or\    or\   or\    %
\or %fi\
}
\def\xepersian@tartibi#1{%
\ifcase#1 \or or\   or\   or\   %
\or or\    or\   or\    or\   %
\or or\   or\    or\    %
\or or\     or\     %
\or or\    or\    %fi\
}
\def\xepersian@yekanv#1{%
\ifcase#1\@empty\or or\  or\  or\  or\   or\   %
\or or\   or\   or\  or\  or\    or\    %
\or or\    or\    or\    %
\or or\   %fi\
}
\providecommand*{\xpg@warning}[1]{%
   \PackageWarning{XePersian}%
   {#1}}
\if@bidi@csundef{@abjad}{%
\def\@abjad#1{%
\ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
\else
  \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
  \else
    \ifnum#1<10\expandafter\abj@num@i\number#1%
    \else
      \ifnum#1<100\expandafter\abj@num@ii\number#1%
      \else
        \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
        \else
          \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
          \fi
        \fi
```

```
      \fi
    \fi
  \fi
\fi
}
\def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
\let\abjadnumeral\@abjad
\def\abjad@zero{}
\def\abj@num@i#1{%
  \ifcase#1\or or\  or\  or\  %
            \or or\  or\  or\  or\  fi\
  \ifnum#1=\z@\abjad@zero\fi}
\def\abj@num@ii#1{%
  \ifcase#1\or or\  or\  or\  or\  %
            \or or\  or\  or\  fi\
  \ifnum#1=\z@\fi\abj@num@i}
\def\abj@num@iii#1#1{%
  \ifcase#1\or or\  or\  or\  or\  %
             \or or\  or\  or\  fi\
  \ifnum#1=\z@\fi\abj@num@ii}
\def\abj@num@iv#1{%
  \ifcase#1\or fi\
  \ifnum#1=\z@\fi\abj@num@iii}
}{}
\let\@latinalph\@alph%
\let\@latinAlph\@Alph%
\def\LatinAlphs{%
   \let\@alph\@latinalph%
   \let\@Alph\@latinAlph%
}
\def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
\renewcommand*{\bidi@@thebibliography@font@hook}{%
\if@LTRbibitems
  \resetlatinfont
\fi}
\bidi@AfterEndPreamble{%
\if@bidi@csundef{persianfont}{%
\PackageError{xepersian}{You have not specified any font\MessageBreak
 for the main Persian text}{Use `\settextfont' to load a font.}%
}{}}
\@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
\@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
\@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
\@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
\@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
\@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
\@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
\@ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
\@ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
\@ifpackageloaded{bidituftesidenote}{\input{bidituftesidenote-xepersian.def}}{}
\@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
\@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
\@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
\@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
```

```
\@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
\@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
\@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
\@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
\@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
\@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
\@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}}{}
\@ifpackageloaded{url}{\input{url-xepersian.def}}{}
\@ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
\@ifclassloaded{article}{\input{article-xepersian.def}}{}
\@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
\@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
\@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
\@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
\@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
\@ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
\@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
\@ifclassloaded{report}{\input{report-xepersian.def}}{}
\@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
\@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
\@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
\@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
\@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
\@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
\@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
\@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
\@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
\@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
\@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
\@ifclassloaded{book}{\input{book-xepersian.def}}{}
\@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
\@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
\@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}

\newtoks\xepersian@toks
\def\xepersian@tempa#1{%
\long\def\xepersian@@sp@def##1##2{%
  \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
\long\def\xepersian@@sp@d{%
  \ifx\xepersian@resa\@sptoken
    \expandafter\xepersian@@sp@b
  \else
    \expandafter\xepersian@@sp@b\expandafter#1%
  \fi}%
\long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
  }
\xepersian@tempa{ }
\long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
\def\xepersian@@fontsize@branch#1{%
  \@tempcnta\z@
  \@for\xepersian@tmp:=#1\do{%
    \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
    \ifcase\@tempcnta\relax% cnta == 0
      \edef\xepersian@value{\xepersian@frag}%
```

```
      \setfontsize{\xepersian@frag}%
    \or% cnta == 1
      \setfontsize[\xepersian@frag]{\xepersian@value}%
    \else\fi
    \advance\@tempcnta\@ne}%
}

\if@extrafootnotefeatures
  \input{extrafootnotefeatures-xetex-bidi.def}%
  \input{extrafootnotefeatures-xepersian.def}%
\fi

\bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
  \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
}{}{}

\bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
  \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
}{}{}


\newcommand*{\xepersian@@update@math@fontsize}[1]{%
  \strip@pt\dimexpr\xepersian@@math@fontsize@scale
  \dimexpr 1pt * \dimexpr #1 pt\relax /
  \dimexpr \xepersian@@fontsize@scale pt\relax
  \relax\relax
}

\bidi@patchcmd{\getanddefine@fonts}{%
  \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
}{%
  \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
}{}{}

\bidi@patchcmd{\getanddefine@fonts}{%
  \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
}{%
  \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
}{}{}

\bidi@patchcmd{\getanddefine@fonts}{%
  \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
}{%
  \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
}{}{}


\if@xepersian@@computeautoilg
\bidi@patchcmd{\set@fontsize}{%
\baselineskip\f@baselineskip\relax
}{%
\baselineskip\f@baselineskip\relax
\xepersian@computeautoilg
 \ifdim\xepersian@strutilg>\baselineskip
```

```
  \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
  \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
  \baselineskip\xepersian@strutilg
  \ifdim\footnotesep=.7\baselineskip
  \else
    \footnotesep.7\baselineskip
  \fi
 \fi
}{}{}
\fi

\AtEndOfPackage{%
  \setlatintextfont[%
    Path,%
    BoldFont={lmroman10-bold},%
    BoldItalicFont={lmroman10-bolditalic},%
    ItalicFont={lmroman10-italic},%
    SmallCapsFont={lmromancaps10-regular},%
    SlantedFont={lmromanslant10-regular},%
    BoldSlantedFont={lmromanslant10-bold}%
  ]{lmroman10-regular}
}
\PersianAlphs
```

62 File xepersian-magazine.cls

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
\RequirePackage{ifthen}
\newlength{\xepersian@imgsize}
\newlength{\xepersian@coltitsize}
\newlength{\xepersian@pageneed}
\newlength{\xepersian@pageleft}
\newlength{\xepersian@indexwidth}
\newcommand{\xepersian@ncolumns}{0}
\newlength{\columnlines}
\setlength{\columnlines}{0 pt} % no lines by default
\newboolean{xepersian@hyphenatedtitles}
\setboolean{xepersian@hyphenatedtitles}{true}
\newboolean{xepersian@ninepoints}
\setboolean{xepersian@ninepoints}{false}
\newboolean{xepersian@showgrid}
\setboolean{xepersian@showgrid}{false}
\newboolean{xepersian@a3paper}
\setboolean{xepersian@a3paper}{false}
\newboolean{xepersian@insidefrontpage}
\setboolean{xepersian@insidefrontpage}{false}
\newboolean{xepersian@insideweather}
\setboolean{xepersian@insideweather}{false}
\newboolean{xepersian@insideindex}
\setboolean{xepersian@insideindex}{false}
\newcount\xepersian@gridrows
\newcount\xepersian@gridcolumns
\xepersian@gridrows=40
```

```
\xepersian@gridcolumns=50
\newcount\minraggedcols
\minraggedcols=5
\DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
\DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
\DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
\DeclareOption{twocolumn}%
{\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
\DeclareOption{notitlepage}%
{\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.
\DeclareOption{twoside}%
{\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
\DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
\DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
\DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
\DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
\DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
\ProcessOptions\relax
\LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
\RequirePackage{ifxetex}
\RequirePackage{multido}
\RequirePackage{datetime}
\RequirePackage{multicol}
\RequirePackage{fancyhdr}
\RequirePackage{fancybox}
\ifthenelse{\boolean{xepersian@a3paper}}{%
\RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
}{
\RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
}
\RequirePackage[absolute]{textpos} % absoulte positioning
\RequirePackage{hyphenat} % when hyphenate
\RequirePackage{lastpage} % to know the last page number
\RequirePackage{setspace} % set space between lines
\RequirePackage{ragged2e}
\newcommand{\raggedFormat}{\RaggedLeft}
\AtEndOfClass{\xepersianInit}
\ifthenelse{\boolean{xepersian@showgrid}}{%
\AtBeginDocument{
\grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
\advance\minraggedcols by -1
}{%
\AtBeginDocument{
\grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
\advance\minraggedcols by -1
}
\ifthenelse{\boolean{xepersian@ninepoints}}{
\renewcommand{\normalsize}{%
  \@setfontsize{\normalsize}{9pt}{10pt}%
  \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
  \setlength{\belowdisplayskip}{\abovedisplayskip}%
  \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
  \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}

```

```
\renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}

\renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}

\renewcommand{\small}{%
  \@setfontsize{\small}{8pt}{9pt}%
  \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
  \setlength{\belowdisplayskip}{\abovedisplayskip}%
  \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
  \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}

\renewcommand{\footnotesize}{%
  \@setfontsize{\footnotesize}{8pt}{9pt}%
  \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
  \setlength{\belowdisplayskip}{\abovedisplayskip}%
  \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
  \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}

\renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
\renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
\renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
\renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
\renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
}{}
\def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
\newcommand{\xepersian@wwwFormat}{\sffamily}
\newcommand{\xepersian@www}{%
\raisebox{-3pt}{{\xepersian@wwwFormat\@customwwwTxt}}
}
\newcommand{\xepersian@edition}{    {
\newcommand{\editionFormat}{\large\bfseries\texttt}
\newcommand{\xepersian@editionLogo}{%
\raisebox{-3pt}{%
{\editionFormat\xepersian@edition}%
}%
}
\newcommand{\indexFormat}{\large\bfseries}
\newcommand{\xepersian@indexFrameTitle}[1]
{\begin{flushright}{\indexFormat #1}}\end{flushright}}

\newcommand{\indexEntryFormat}{\normalsize}
\newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
{\indexEntryFormat\noindent\ignorespaces{#1}}%
\end{minipage}}
\newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
\newcommand{\indexEntryPageTxt}{  }
\newcommand{\indexEntryPageFormat}{\footnotesize}
\newcommand{\xepersian@indexEntryPage}[1]{%
{\indexEntryPageFormat{\indexEntryPageTxt{}~#1}}%
}
\newcommand{\headDateTimeFormat}{}
\newcommand{\xepersian@headDateTime}{%
\headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
\currenttime %
```

```
}
\newcommand{\weatherFormat}{\bfseries}
\newcommand{\xepersian@weather}[1]{%
\noindent{\weatherFormat #1}%
}
\newcommand{\weatherTempFormat}{\small}
\newcommand{\weatherUnits}{\textdegree{}C}
\newcommand{\xepersian@section}[0]{   {
\newcommand{\xepersian@headleft}{%
{\small\bfseries \@custommagazinename}  \date
}
\newcommand{\xepersian@headcenter}{%
\xepersian@section{}
}
\newcommand{\xepersian@headright}{%
\small\xepersian@edition%
\hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
}

\newcommand{\heading}[3]{%
\renewcommand{\xepersian@headleft}{\beginR#1\endR}%
\renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
\renewcommand{\xepersian@headright}{\beginR#3\endR}%
}
\newcommand{\xepersian@footright}{%
{\footnotesize\lr{\copyright\ \@customwwwTxt{}}--    -    \lr{\XePersian}}%
}
\newcommand{\xepersian@footcenter}{%
}
\newcommand{\xepersian@footleft}{%
}

\newcommand{\foot}[3]{%
\renewcommand{\xepersian@footleft}{\beginR#1\endR}%
\renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
\renewcommand{\xepersian@footright}{\beginR#3\endR}%
}
\newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
\newcommand{\xepersian@firstTitle}[1]{%
{%
\begin{spacing}{2.0}{%
\noindent\ignorespaces
\ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
{\nohyphens{\firstTitleFormat #1}}%
{{\firstTitleFormat #1}}%
}%
\end{spacing}%
}%
}
\newcommand{\firstTextFormat}{}
\newcommand{\xepersian@firstText}[1]{%
{\noindent\ignorespaces\firstTextFormat #1}%
}
\newcommand{\secondTitleFormat}{\LARGE\bfseries}
```

```
\newcommand{\xepersian@secondTitle}[1]{%
\begin{spacing}{1.5}{%
\noindent\ignorespaces\flushright
\ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
{\nohyphens{\secondTitleFormat #1}}%
{{\secondTitleFormat #1}}%
}\end{spacing}%
}
\newcommand{\secondSubtitleFormat}{\large}
\newcommand{\xepersian@secondSubtitle}[1]{%
{\noindent\ignorespaces{\secondSubtitleFormat #1}}%
}
\newcommand{\secondTextFormat}{}
\newcommand{\xepersian@secondText}[1]{%
\begin{multicols}{2}
{\noindent\ignorespaces\secondTextFormat #1}
\end{multicols}
}
\newcommand{\thirdTitleFormat}{\Large\bfseries}
\newcommand{\xepersian@thirdTitle}[1]{%
\begin{spacing}{1.5}{%
\noindent\ignorespaces\flushright
\ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
{\nohyphens{\thirdTitleFormat #1}}%
{{\thirdTitleFormat #1}}%
}\end{spacing}%
}
\newcommand{\thirdSubtitleFormat}{\large}
\newcommand{\xepersian@thirdSubtitle}[1]%
{{\noindent\ignorespaces\thirdSubtitleFormat #1}}
\newcommand{\thirdTextFormat}{}
\newcommand{\xepersian@thirdText}[1]{{\thirdTextFormat #1}}
\newcommand{\pictureCaptionFormat}{\small\bfseries}
\newcommand{\xepersian@pictureCaption}[1]{%
{\noindent\pictureCaptionFormat #1}%
}
\newcommand{\pagesFormat}{\bfseries\footnotesize}
\newcommand{\xepersian@pages}[1]%
{\noindent{\pagesFormat\MakeUppercase{#1}}}
\newcommand{\innerTitleFormat}{\Huge}
\newcommand{\xepersian@innerTitle}[1]{%
\begin{flushright}{%
\noindent
\ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
{\nohyphens{\innerTitleFormat #1}}%
{{\innerTitleFormat #1}}%
}%
\\%
\end{flushright}%
}
\newcommand{\innerSubtitleFormat}{\large}
\newcommand{\xepersian@innerSubtitle}[1]{{\innerSubtitleFormat #1}}
\newcommand{\timestampTxt}{}
\newcommand{\timestampSeparator}{|}
```

```
\newcommand{\timestampFormat}{\small}
\newcommand{\timestamp}[1]{%
{\timestampFormat%
#1~\timestampTxt{}%
}~\timestampSeparator{}%
}
\newcommand{\innerAuthorFormat}{\footnotesize}
\newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
\newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
\newcommand{\editorialTitleFormat}{\LARGE\textit}
\newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
\newcommand{\editorialAuthorFormat}{\textsc}
\newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
\newcommand{\xepersian@shortarticleTitle}[1]{{\shortarticleTitleFormat #1}}
\newcommand{\shortarticleSubtitleFormat}{\Large}
\newcommand{\xepersian@shortarticleSubtitle}[1]{{\shortarticleSubtitleFormat #1}}
\newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
\newcommand{\xepersian@shortarticleItemTitle}[1]{{\shortarticleItemTitleFormat #1}}
\renewcommand{\maketitle}{\begin{titlepage}%
  \let\footnotesize\small
  \let\footnoterule\relax
  \let \footnote \thanks
  \null\vfil
  \vskip 60\p@
  \begin{center}%
    {\LARGE \@title \par}%
    \vskip 1em%
    {\LARGE «\xepersian@edition» \par}%
    \vskip 3em%
    {\large
     \lineskip .75em%
      \begin{tabular}[t]{c}%
        \@author
      \end{tabular}\par}%
      \vskip 1.5em%
    {\large \@date \par}%
  \end{center}\par
  \@thanks
  \vfil\null
  \end{titlepage}%
  \setcounter{footnote}{0}%
  \global\let\thanks\relax
  \global\let\maketitle\relax
  \global\let\@thanks\@empty
  \global\let\@author\@empty
  \global\let\@date\@empty
  \global\let\@title\@empty
  \global\let\title\relax
  \global\let\author\relax
  \global\let\date\relax
  \global\let\and\relax
}
\newcommand{\xepersian@say}[1]{\typeout{#1}}
\newsavebox{\xepersian@fmbox}
```

```
\newenvironment{xepersian@fmpage}[1]
 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
\newcommand{\image}[2]{
\vspace{5pt}
\setlength{\fboxsep}{1pt}
\addtolength{\xepersian@imgsize}{\columnwidth}
\addtolength{\xepersian@imgsize}{-1\columnsep}
\ifxetex
\setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
\addtolength{\xepersian@pageneed}{50pt}
\ClassWarning{xepersian-magazine}{%
Image #1 needs: \the\xepersian@pageneed \space %
and there is left: \the\page@free\space%
}
\ifdim \xepersian@pageneed < \page@free

{\centering\fbox{%
\includegraphics[width = \xepersian@imgsize,
height = \xepersian@imgsize,
keepaspectratio ]{#1}}}
\xepersian@pictureCaption{#2}

\vspace{5pt}
\else
\ClassWarning{Image #1 needs more space!%
  It was not inserted!}
\fi
\fi
}
\textblockorigin{1cm}{1cm}
\newdimen\xepersian@dx
\newdimen\xepersian@dy
\newcount\xepersian@cx
\newcount\xepersian@cy
\newcommand{\grid}[3][]{
\xepersian@dx=\textwidth%
\xepersian@dy=\textheight%
\xepersian@cx=#3% %columns
\xepersian@cy=#2% %rows

\count1=#3%
\advance\count1 by 1

\count2=#2%
\advance\count2 by 1

\divide\xepersian@dx by #3
\divide\xepersian@dy by #2

\setlength{\TPHorizModule}{\xepersian@dx}
\setlength{\TPVertModule}{\xepersian@dy}

\ifthenelse{\equal{#1}{show}}{
```

```
\multido{\xepersian@nrow=0+1}{\count2}{
\begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
\rule[0pt]{\textwidth}{.1pt}
\end{textblock}
}

\multido{\xepersian@ncol=0+1}{\count1}{
\begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
\rule[0pt]{.1pt}{\textheight}
\end{textblock}
}
}{}
}
\newcommand{\xepersianInit}{
\setlength{\headheight}{14pt}
\renewcommand{\headrulewidth}{0.4pt}

\pagestyle{fancy}

\setlength{\columnseprule}{\columnlines}
\setlength{\fboxrule}{0.1 pt}

}

\def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
\def\custominilogo#1{\gdef\@custominilogo{\beginR#1\endR}}
\def\custommagazinename#1{\gdef\@custommagazinename{\beginR#1\endR}}
\newcommand{\logo}[0]{
%% Heading %%
\noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www

\vspace*{-3pt}

{\Large\bfseries \@customlogo}
\hrulefill
\hspace{10pt}\xepersian@headDateTime

}
\newcommand{\minilogo}[0]{
{\large\bfseries \@custominilogo}

\vspace*{5pt}
}
\newcommand{\mylogo}[1]{
{\beginR#1\endR}

\noindent
\xepersian@editionLogo\hspace{5pt}
\hrulefill
\hspace{5pt}\xepersian@headDateTime
}
\newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
\newenvironment{frontpage}[0]
{
```

```
\setboolean{xepersian@insidefrontpage}{true}
\thispagestyle{empty}
\logo

}%
{
\thispagestyle{empty}
\clearpage
\newpage
\fancyhead{}
 \fancyfoot{}
\fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
\fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
    \fancyhead[C]{\beginR\xepersian@headcenter\endR}
    \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
    \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
\fancyfoot[C]{\beginR\xepersian@footcenter\endR}
\renewcommand{\headrulewidth}{0.4pt}
\setboolean{xepersian@insidefrontpage}{false}

}
\newcommand{\firstarticle}[3]
{
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
\begin{textblock}{24}(22,5)
}
{
\begin{textblock}{28}(22,5)
}
\vspace{-7pt}
\xepersian@firstTitle{#1}
\end{textblock}
\begin{textblock}{29}(22,10)
\vspace{5pt plus 2pt minus 2pt}

\xepersian@firstText{\timestamp{#3}~#2}

\end{textblock}

\begin{textblock}{50}(0,15)
\rule{50\TPHorizModule}{.3pt}
\end{textblock}
}{%else
\ClassError{xepersian-magazine}{%
\protect\firstarticle\space in a wrong place.\MessageBreak
\protect\firstarticle\space may only appear inside frontpage environment.
}{%
\protect\firstarticle\space may only appear inside frontpage environment.
}%
}
}
\newcommand{\secondarticle}[5]
{
```

```
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\begin{textblock}{33}(2,16)
\xepersian@pages{#4}
\vspace{-5pt}
\xepersian@secondTitle{#1}

\vspace*{5pt}

\xepersian@secondSubtitle{#2}

\vspace*{-7pt}

\xepersian@secondText{\timestamp{#5}~#3}

\end{textblock}

\begin{textblock}{33}(2,25)
\vspace{5pt plus 2pt minus 2pt}

\noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
\end{textblock}
}{%else
\ClassError{xepersian-magazine}{%
\protect\secondarticle\space in a wrong place.\MessageBreak
\protect\secondarticle\space may only appear inside frontpage environment.
}{%
\protect\secondarticle\space may only appear inside frontpage environment.
}%
}
}
\newcommand{\thirdarticle}[6]
{
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\begin{textblock}{32}(2,26)
\xepersian@pages{#5}
\vspace{-5pt}
\setlength{\fboxsep}{1pt}
\xepersian@thirdTitle{#1}

\vspace*{5pt}

\xepersian@thirdSubtitle{#2}

\vspace*{5pt}

{\noindent\ignorespaces %
\ifthenelse{\equal{#4}{}}{}

\xepersian@thirdText{\timestamp{#6}~#3}

}

\vspace*{5pt}

```

```
\end{textblock}
}{%else
\ClassError{xepersian-magazine}{%
\protect\thirdarticle\space in a wrong place.\MessageBreak
\protect\thirdarticle\space may only appear inside frontpage environment.
}{%
\protect\thirdarticle\space may only appear inside frontpage environment.
}%
}
}
\newcommand{\firstimage}[2]
{
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\begin{textblock}{18}(2,5)
\setlength{\fboxsep}{1pt}
\ifxetex % only in PDF
\noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
\fi

\xepersian@pictureCaption{#2}
\end{textblock}%
}
{\ClassError{xepersian-magazine}{%
\protect\firstimage\space in a wrong place.\MessageBreak
\protect\firstimage\space may only appear inside frontpage environment.
}{%
\protect\firstimage\space may only appear inside frontpage environment.
}}
}%
\newcommand{\weatheritem}[5]{%
\ifthenelse{\boolean{xepersian@insideweather}}{
\begin{minipage}{45pt}
\ifxetex
\includegraphics[width=40pt]{#1}
\fi
\end{minipage}
\begin{minipage}{50pt}
\weatherTempFormat
#2\\
\beginL#3 $\|$ #4 \lr{\weatherUnits{}}\endL\\
#5
\end{minipage}
}{%else
\ClassError{xepersian-magazine}{%
\protect\weatheritem\space in a wrong place.\MessageBreak
\protect\weatheritem\space may only appear inside weatherblock environment.
}{%
\protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
weatherblock environment may only appear inside frontpage environment.
}%
}
}
\newenvironment{weatherblock}[1]
{
```

```
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\setboolean{xepersian@insideweather}{true}
\begin{textblock}{32}(2,38)
\vspace*{-15pt}

\xepersian@weather{\beginR#1\endR}

\vspace*{5pt}

\noindent\begin{xepersian@fmpage}{32\TPHorizModule}
\begin{minipage}{32\TPHorizModule}
\hspace{5pt}

}{%
\ClassError{xepersian-magazine}{%
weatherblock in a wrong place.\MessageBreak
weatherblock may only appear inside frontpage environment.
}{%
weatherblock may only appear inside frontpage environment.
}
}
}%
{
\end{minipage}
\end{xepersian@fmpage}
\end{textblock}
\setboolean{xepersian@insideweather}{false}
}
\newenvironment{authorblock}[0]
{
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\begin{textblock}{15}(36,35)
\setlength{\fboxsep}{5pt}
\begin{xepersian@fmpage}{13\TPHorizModule}
\begin{minipage}{13\TPHorizModule}
\centering
\minilogo

}{%else
\ClassError{xepersian-magazine}{%
authorblock in a wrong place.\MessageBreak
authorblock may only appear inside frontpage environment.
}{%
authorblock may only appear inside frontpage environment.
}
}
}
{
\end{minipage}
\end{xepersian@fmpage}
\end{textblock}
}
\newenvironment{indexblock}[1]
{
```

```
\ifthenelse{\boolean{xepersian@insidefrontpage}}{%
\setboolean{xepersian@insideindex}{true}%let's in
\begin{textblock}{15}(36,16)
\setlength{\xepersian@indexwidth}{13\TPHorizModule}
\xepersian@indexFrameTitle{#1}

\setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
\begin{xepersian@fmpage}{\xepersian@indexwidth}
\begin{minipage}{\xepersian@indexwidth}
\vspace*{10pt}
}{%else
\ClassError{xepersian-magazine}{%
indexblock in a wrong place.\MessageBreak
indexblock may only appear inside frontpage environment.
}{%
indexblock may only appear inside frontpage environment.
}
}
}%
{
\end{minipage}
\end{xepersian@fmpage}
\end{textblock}
\setboolean{xepersian@insideindex}{false}%let's out
}
\newcommand{\indexitem}[2]
{
\ifthenelse{\boolean{xepersian@insideindex}}{
\xepersian@indexEntry{#1  \xepersian@indexEntryPage{\pageref{#2}}}

\vspace{0.5cm}

\noindent\ignorespaces\indexEntrySeparator{}
}{%else
\ClassError{xepersian-magazine}{%
\protect\indexitem\space in a wrong place.\MessageBreak
\protect\indexitem\space may only appear inside indexblock environment.
}{%
\protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
indexblock environment may only appear inside frontpage environment.
}%
}
}
\newcommand{\xepersian@inexpandedtitle}[1]{
\begin{minipage}{.95\textwidth}
\begin{center}
\noindent\Large\textbf{\beginR#1\endR}
\end{center}
\end{minipage}
}
\newcommand{\expandedtitle}[2]{
\end{multicols}

\begin{center}
```

```
\setlength{\fboxsep}{5pt}
\setlength{\shadowsize}{2pt}
\ifthenelse{\equal{#1}{shadowbox}}{%
\shadowbox{%
\xepersian@inexpandedtitle{#2}%
}%
}{}
\ifthenelse{\equal{#1}{doublebox}}{%
\doublebox{%
\xepersian@inexpandedtitle{#2}%
}%
}{}
\ifthenelse{\equal{#1}{ovalbox}}{%
\ovalbox{%
\xepersian@inexpandedtitle{#2}%
}%
}{}
\ifthenelse{\equal{#1}{Ovalbox}}{%
\Ovalbox{%
\xepersian@inexpandedtitle{#2}%
}%
}{}
\ifthenelse{\equal{#1}{lines}}{
\hrule
\vspace*{8pt}
\begin{center}
\noindent\Large\textbf{#2}
\end{center}
\vspace*{8pt}
\hrule
}{}
\end{center}

\begin{multicols}{\xepersian@ncolumns{}}
\ifnum \xepersian@ncolumns > \minraggedcols
\raggedFormat
\fi
}
\newcommand{\xepersian@incolumntitle}[2]{
\begin{minipage}{#1}
\begin{center}
\noindent\normalsize\textbf{#2}
\end{center}
\end{minipage}
}

\newcommand{\columntitle}[2]{
\vspace*{5pt}
\begin{center}
\setlength{\fboxsep}{5pt}
\setlength{\shadowsize}{2pt}
\addtolength{\xepersian@coltitsize}{\columnwidth}
\addtolength{\xepersian@coltitsize}{-1\columnsep}
\addtolength{\xepersian@coltitsize}{-5pt}
```

```
\addtolength{\xepersian@coltitsize}{-1\shadowsize}
\ifthenelse{\equal{#1}{shadowbox}}{%
\shadowbox{%
\xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
}%
}{}
\ifthenelse{\equal{#1}{doublebox}}{%
\doublebox{%
\xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
}%
}{}
\ifthenelse{\equal{#1}{ovalbox}}{%
\ovalbox{%
\xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
}%
}{}
\ifthenelse{\equal{#1}{Ovalbox}}{%
\Ovalbox{%
\xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
}%
}{}
\ifthenelse{\equal{#1}{lines}}{
\hrule
\vspace*{5pt}
\begin{center}
\noindent\normalsize\textbf{#2}
\end{center}
\vspace*{5pt}
\hrule
}{}
\end{center}
}
\renewcommand{\date}{%
\longdate{\today}%
}
\newcommand{\authorandplace}[2]{%
\rightline{%
{\innerAuthorFormat #1},\space{}{\innerPlaceFormat #2}%
}%
\par %
}
\newcommand{\newsection}[1]{
\renewcommand{\xepersian@section}{#1}
}
\newenvironment{article}[5]
{
\xepersian@say{Adding a new piece of article}
\renewcommand{\xepersian@ncolumns}{#1}
\begin{multicols}{#1}[
\xepersian@pages{#4}
\xepersian@innerTitle{#2}%
\xepersian@innerSubtitle{#3}%
][4cm]%
\label{#5}
```

```
\ifnum #1 > \minraggedcols
\raggedFormat
\fi
}
{~\innerTextFinalMark{}
\end{multicols}
}
\newcommand{\articlesep}{%
\setlength{\xepersian@pageneed}{16000pt}
\setlength\xepersian@pageleft{\pagegoal}
\addtolength\xepersian@pageleft{-\pagetotal}

\xepersian@say{How much left \the\xepersian@pageleft}

\ifdim \xepersian@pageneed < \xepersian@pageleft
\xepersian@say{Not enough space}
\else
\xepersian@say{Adding sep line between articles}
\vspace*{10pt plus 10pt minus 5pt}
\hrule
\vspace*{10pt plus 5pt minus 5pt}
\fi

}
\newcommand{\xepersian@editorialTit}[2]{
\setlength{\arrayrulewidth}{.1pt}
\begin{center}
\begin{tabular}{c}
\noindent
\xepersian@editorialTitle{#1}
\vspace{2pt plus 1pt minus 1pt}
\\
\hline
\vspace{2pt plus 1pt minus 1pt}
\\
\editorialAuthorFormat{#2}
\end{tabular}
\end{center}
}
\newenvironment{editorial}[4]
{
\xepersian@say{Adding a new editorial}
\begin{multicols}{#1}[%
\xepersian@editorialTit{#2}{#3}%
][4cm]
\label{#4}
\ifnum #1 > \minraggedcols
\raggedFormat
\fi
}
{
\end{multicols}
}
\newcommand{\xepersian@shortarticleTit}[2]{
```

```
\begin{center}
\vbox{%
\noindent
\xepersian@shortarticleTitle{#1}
\vspace{4pt plus 2pt minus 2pt}
\hrule
\vspace{4pt plus 2pt minus 2pt}
\xepersian@shortarticleSubtitle{#2}
}
\end{center}
}
\newenvironment{shortarticle}[4]
{
\xepersian@say{Adding a short article block}
\begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
    \label{#4}
\par %
\ifnum #1 > \minraggedcols
\raggedFormat
\fi
}
{
\end{multicols}
}
\newcommand{\shortarticleitem}[2]{
\goodbreak
\vspace{5pt plus 3pt minus 3pt}
{\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
\vspace{5pt plus 3pt minus 3pt}
{\noindent #2}\\
}
```

63 File xepersian-mathdigitspec.sty

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{xepersian-mathdigitspec}
  [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
\def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
\let\newfam\new@mathgroup
\def\select@group#1#2#3#4{%
 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
 {%
 \ifmmode
  \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
     \begingroup
       \escapechar\m@ne
       \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
       \globaldefs\@ne  \math@fonts
     \endgroup
     \init@restore@version
     \xdef#1{\noexpand\use@mathgroup\noexpand#2%
             {\number\csname c@mv@\math@version\endcsname}}%
     \global\advance\csname c@mv@\math@version\endcsname\@ne
   \else
```

```
    \let#1\relax
    \@latex@error{Too many math alphabets used in
                  version \math@version}%
       \@eha
  \fi
\else \expandafter\non@alpherr\fi
#1{#4}%
}%
}
\def\document@select@group#1#2#3#4{%
\ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
{%
\ifmmode
  \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
    \begingroup
      \escapechar\m@ne
      \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
      \globaldefs\@ne  \math@fonts
    \endgroup
    \expandafter\extract@alph@from@version
        \csname mv@\math@version\expandafter\endcsname
        \expandafter{\number\csname
                       c@mv@\math@version\endcsname}%
         #1%
    \global\advance\csname c@mv@\math@version\endcsname\@ne
  \else
    \let#1\relax
    \@latex@error{Too many math alphabets used
                  in version \math@version}%
       \@eha
 \fi
\else \expandafter\non@alpherr\fi
#1{#4}%
}%
}
\ExplSyntaxOn
\bool_set_false:N \g__fontspec_math_bool
\tl_map_inline:nn
{
 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
 \version@list\version@elt\alpha@list\alpha@elt
 \restore@mathversion\init@restore@version\dorestore@version\process@table
 \new@mathversion\DeclareSymbolFont\group@list\group@elt
 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
}
{
```

```
  \tl_remove_once:Nn \@preamblecmds {\do#1}
 }
\ExplSyntaxOff
\newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
\newcommand\SetMathCode[4]{%
  \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
\newcommand\SetMathCharDef[4]{%
  \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
\ExplSyntaxOn
\cs_new_eq:NN \orig_mathbf:n \mathbf
\cs_new_eq:NN \orig_mathit:n \mathit
\cs_new_eq:NN \orig_mathrm:n \mathrm
\cs_new_eq:NN \orig_mathsf:n \mathsf
\cs_new_eq:NN \orig_mathtt:n \mathtt
%\int_const:Nn \c_one_int { 1 }
\NewDocumentCommand \new@mathbf { m } {
 \orig_mathbf:n {
   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
     \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
   }
   #1
 }
}
\NewDocumentCommand \new@mathit { m } {
 \orig_mathit:n {
   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
     \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
   }
   #1
 }
}
\NewDocumentCommand \new@mathrm { m } {
 \orig_mathrm:n {
   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
     \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
   }
   #1
 }
}
\NewDocumentCommand \new@mathsf{ m } {
 \orig_mathsf:n {
   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
     \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
   }
   #1
 }
}
\NewDocumentCommand \new@mathtt{ m } {
 \orig_mathtt:n {
   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
     \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
   }
   #1
 }
```

```
}

\cs_new:Npn \__xepersian_mathdigitspec_error:nxx    { \msg_error:nnxx    {xepersian-mathdigit
\cs_new:Nn \__xepersian_mathdigitspec_msg_new:nnnn
  { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
\char_set_catcode_space:n {32}
\__xepersian_mathdigitspec_msg_new:nnnn {xepersian-mathdigitspec} {char-not-exist}
 {
  The font "#1" does not contain U+#2.
 }
 {
  Select another font and rerun xelatex.
 }
\char_set_catcode_ignore:n {32}

%\__kernel_primitive:NN \iffontchar            \tex_iffontchar:D
\prg_new_conditional:Nnn \__xepersian_mathdigitspec_primitive_font_char_if_exist:n {p,TF,T,F}
  {
    \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
      \prg_return_true:
    \else:
      \prg_return_false:
    \fi:
  }

\clist_new:N \l_xepersian_mathdigitspec_char_clist

\cs_new:Nn \__xepersian_mathdigitspec_char_set_not_exist_error:nn
 {
    \clist_set:Nn \l_xepersian_mathdigitspec_char_clist { #1 }
    \clist_map_inline:Nn \l_xepersian_mathdigitspec_char_clist {
      \__xepersian_mathdigitspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
    }
 }

\cs_new:Nn \__xepersian_mathdigitspec_char_prepend_not_exist_error:nn
 {
    \clist_put_left:Nn \l_xepersian_mathdigitspec_char_clist { #1 }
    \clist_map_inline:Nn \l_xepersian_mathdigitspec_char_clist {
      \__xepersian_mathdigitspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
    }
 }

\cs_new:Nn \__xepersian_mathdigitspec_char_append_not_exist_error:nn
 {
    \clist_put_right:Nn \l_xepersian_mathdigitspec_char_clist { #1 }
    \clist_map_inline:Nn \l_xepersian_mathdigitspec_char_clist {
      \__xepersian_mathdigitspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
    }
 }

\cs_new:Nn \__xepersian_mathdigitspec_char_not_exist_error:n
 {
    \__xepersian_mathdigitspec_char_set_not_exist_error:nn {
```

```
      06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
      06F9 , 066A , 066B
    } { #1 }
}

\DeclareDocumentCommand \setmathdigitfont { O{} m O{} }
 {
   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
 }
\cs_new:Nn \__xepersian_main_setmathdigitfont:nn
{
 \let\glb@currsize\relax
 \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Ligatures=PersianTeX,#1} {#2}
 \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
 \DeclareSymbolFont{OPERATORS}   {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl
 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
 \__xepersian_mathdigitspec_char_not_exist_error:n { #2 }
 \def\persianmathdigits{%
 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
 \tl_set_eq:NN \mathbf \new@mathbf
 \tl_set_eq:NN \mathit \new@mathit
 \tl_set_eq:NN \mathrm \new@mathrm}
}

\cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn     \use_none:nn

\DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
 {
   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
 }
\cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
{
 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
 \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
     \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_maths
     \__xepersian_mathdigitspec_char_not_exist_error:n { #2 }
   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
}

\cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn     \use_none:nn
```

```
\DeclareDocumentCommand \setmathttdigitfont { O{} m O{} }
  {
    \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
  }
\cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
 {
  \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
  \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
      \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_matht
      \__xepersian_mathdigitspec_char_not_exist_error:n { #2 }
    \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
 }

\cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn     \use_none:nn

\ExplSyntaxOff
\mathchardef\decimalseparator@point="013A
%{%
% \catcode`\.=\active
% \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
\bgroup
  \uccode`\~`\.%
  \uppercase{%
\egroup
  \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
\def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparato
\def\decimalseparator@check#1#2{%
  \ifx\@let@token1\endgroup#1\else
    \ifx\@let@token2\endgroup#1\else
      \ifx\@let@token3\endgroup#1\else
        \ifx\@let@token4\endgroup#1\else
          \ifx\@let@token5\endgroup#1\else
            \ifx\@let@token6\endgroup#1\else
              \ifx\@let@token7\endgroup#1\else
                \ifx\@let@token8\endgroup#1\else
                  \ifx\@let@token9\endgroup#1\else
                    \ifx\@let@token0\endgroup#1\else
                     \ifx\@let@token\dot\endgroup#1\else
                       \ifx\@let@token\overline\endgroup#1\else
                         \endgroup#2%
                       \fi
                     \fi
                    \fi
                  \fi
                \fi
              \fi
            \fi
          \fi
        \fi
      \fi
    \fi
   \fi
 \fi}
\mathcode`.="8000\relax
```

```
\def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
\def\DefaultMathDecimalSeparator{.}
\def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
\def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
\def\DefaultMathDigits{%
  \DefaultInlineMathDigits%
  \DefaultDisplayMathDigits%
}
\def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
\ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
\ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
\ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
\def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
\ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
\ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
\ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
\def\PersianMathDigits{%
  \PersianInlineMathDigits%
  \PersianDisplayMathDigits%
}
\def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
\ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
\ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
\ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
\def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
\ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
\ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
\ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
\def\AutoMathDigits{%
  \AutoInlineMathDigits%
  \AutoDisplayMathDigits%
}
\AutoMathDigits
\everymath\expandafter{\the\everymath\SetInlineMathDigits%
  \let\SetDisplayMathDigits\relax%
}
\everydisplay\expandafter{%
  \the\everydisplay\SetDisplayMathDigits%
  \let\SetInlineMathDigits\relax%
}

\ExplSyntaxOn
\cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator

\NewDocumentCommand \SwitchToDefaultMathDigits {  } {
  \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
    \SetMathCode{##1}{\mathalpha}{operators}{##1}
  }
  \SetMathCode{`\%}{\mathbin}{operators}{`\%}
  \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
  \tl_set_eq:NN \mathbf \orig_mathbf:n
  \tl_set_eq:NN \mathit \orig_mathit:n
  \tl_set_eq:NN \mathrm \orig_mathrm:n
  \tl_set_eq:NN \mathsf \orig_mathsf:n
```

```
  \tl_set_eq:NN \mathtt \orig_mathtt:n
}

\NewDocumentCommand \SwitchToPersianMathDigits {  } {
  \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
    \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
  }
  \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
  \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
  \tl_set_eq:NN \mathbf \new@mathbf
  \tl_set_eq:NN \mathit \new@mathit
  \tl_set_eq:NN \mathrm \new@mathrm
  \tl_set_eq:NN \mathsf \new@mathsf
  \tl_set_eq:NN \mathtt \new@mathtt
}
\ExplSyntaxOff
```

64 File xepersian-multiplechoice.sty

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
                    Multiple Choice Questionnaire class for Persian in XeLaTeX]
\RequirePackage{pifont}
\RequirePackage{fullpage}
\RequirePackage{ifthen}
\RequirePackage{calc}
\RequirePackage{verbatim}
\RequirePackage{tabularx}
\def\@headerfont{\bfseries}
\newcommand\headerfont[1]{\gdef\@headerfont{#1}}
\def\@X{X}
\newcommand\X[1]{\gdef\@X{#1}}
\def\pbs#1{\let\tmp=\\#1\let\\=\tmp}
\newcolumntype{D}{>{\pbs\centering}X}
\newcolumntype{Q}{>{\@headerfont}X}

\renewcommand\tabularxcolumn[1]{m{#1}}
\newcommand\makeform@nocorrection{%
  \addtocontents{frm}{\protect\end{tabularx}}
  \@starttoc{frm}}
\newcommand\makeform@correction{%
  \addtocontents{frm}{\protect\end{tabularx}}}
\newcommand\makemask@nocorrection{%
  \addtocontents{msk}{\protect\end{tabularx}}
  \@starttoc{msk}}
\newcommand\makemask@correction{%
  \addtocontents{msk}{\protect\end{tabularx}}}
\newlength\questionspace
\setlength\questionspace{0pt}
\newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
\def\@answerstitlefont{\bfseries}
\newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
\def\@answernumberfont{\bfseries}
\newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
```

```
\newcounter{question}\stepcounter{question}
\newcounter{@choice}
\def\@initorcheck{%
  \xdef\@choices{\the@choice}%
  \setcounter{@choice}{1}%
  \gdef\@arraydesc{|Q||}%
  \gdef\@headerline{}%
  \whiledo{\not{\value{@choice}>\@choices}}{
    \xdef\@arraydesc{\@arraydesc D|}
    \def\@appendheader{\g@addto@macro\@headerline}
    \@appendheader{&\protect\@headerfont}
    \edef\@the@choice{{\alph{@choice}}}
    \expandafter\@appendheader\@the@choice
    \stepcounter{@choice}}%
  \addtocontents{frm}{%
    \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
    \protect\hline
    \@headerline\protect\\\protect\hline\protect\hline}%
  \addtocontents{msk}{%
    \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
    \protect\hline
    \@headerline\protect\\\protect\hline\protect\hline}%
  \gdef\@initorcheck{%
    \ifthenelse{\value{@choice} = \@choices}{}{%
      \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
        (\the@choice\space instead of \@choices)}{%
        Questions must all have the same number of proposed answers.%
        \MessageBreak
        Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
\newenvironment{question}[1]{%
  %% \begin{question}
  \begin{minipage}{\textwidth}
    \xdef\@formanswerline{\@questionheader}%
    \xdef\@maskanswerline{\@questionheader}%
    \fbox{\parbox[c]{\linewidth}{#1}}
    \vspace\questionspace\par
    {\@answerstitlefont\@answerstitle}
    \begin{list}{\@answernumberfont\alph{@choice})~}{\usecounter{@choice}}}{%
  %% \end{question}
    \end{list}
    \@initorcheck%
    \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
    \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
  \end{minipage}
  \stepcounter{question}}
\def\@truesymbol{\ding{52}~}
\def\@falsesymbol{\ding{56}~}
\newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
\newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
\def\@true@nocorrection{\item}
\def\@false@nocorrection{\item}
\def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
\def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
\newcommand\true{%
```

```
  \xdef\@formanswerline{\@formanswerline&}%
  \xdef\@maskanswerline{\@maskanswerline&\@X}%
  \@true}%
\newcommand\false{%
  \xdef\@formanswerline{\@formanswerline&}%
  \xdef\@maskanswerline{\@maskanswerline&}%
  \@false}%
\def\@correctionstyle{\itshape}
\newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
\newenvironment{@correction}{\@correctionstyle}{}
 \def\@questionheader{    \thequestion}
  \answerstitle{     {:
\DeclareOption{nocorrection}{%
  \let\@true\@true@nocorrection
  \let\@false\@false@nocorrection
  \let\correction\comment
  \let\endcorrection\endcomment
  \def\makeform{\makeform@nocorrection}
  \def\makemask{\makemask@nocorrection}}
\DeclareOption{correction}{%
  \let\@true\@true@correction
  \let\@false\@false@correction
  \let\correction\@correction
  \let\endcorrection\end@correction
  \def\makeform{\makeform@correction}
  \def\makemask{\makemask@correction}}
\ExecuteOptions{nocorrection}
\newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
\def\@questiontitlefont{\bfseries}
\newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
\newlength\questiontitlespace
\setlength\questiontitlespace{5pt}
\newlength\questionsepspace
\setlength\questionsepspace{20pt}
\gdef\@questionsepspace{0pt}
\let\old@question\question
\let\old@endquestion\endquestion
\renewenvironment{question}[1]{%
  %% \begin{question}
  \vspace\@questionsepspace
  \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
  \nopagebreak\vspace\questiontitlespace\par
  \old@question{#1}}{%
  %% \end{question}
  \old@endquestion
  \gdef\@questionsepspace{\questionsepspace}}
 \questiontitle{    \thequestion:}
\ProcessOptions
```

65 File xepersian-persiancal.sty

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]

```

```
\newif\ifXePersian@leap \newif\ifXePersian@kabiseh
\newcount\XePersian@i  \newcount\XePersian@y  \newcount\XePersian@m  \newcount\XePersian@d
\newcount\XePersian@latini    \newcount\XePersian@persiani
\newcount\XePersian@latinii   \newcount\XePersian@persianii
\newcount\XePersian@latiniii  \newcount\XePersian@persianiii
\newcount\XePersian@latiniv   \newcount\XePersian@persianiv
\newcount\XePersian@latinv    \newcount\XePersian@persianv
\newcount\XePersian@latinvi   \newcount\XePersian@persianvi
\newcount\XePersian@latinvii  \newcount\XePersian@persianvii
\newcount\XePersian@latinviii \newcount\XePersian@persianviii
\newcount\XePersian@latinix   \newcount\XePersian@persianix
\newcount\XePersian@latinx    \newcount\XePersian@persianx
\newcount\XePersian@latinxi   \newcount\XePersian@persianxi
\newcount\XePersian@latinxii  \newcount\XePersian@persianxii
                        \newcount\XePersian@persianxiii

\newcount\XePersian@temp
\newcount\XePersian@temptwo
\newcount\XePersian@tempthree
\newcount\XePersian@yModHundred
\newcount\XePersian@thirtytwo
\newcount\XePersian@dn
\newcount\XePersian@sn
\newcount\XePersian@mminusone


\XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
\XePersian@temp=\XePersian@y
\divide\XePersian@temp by 100\relax
\multiply\XePersian@temp by 100\relax
\XePersian@yModHundred=\XePersian@y
\advance\XePersian@yModHundred by -\XePersian@temp\relax
\ifodd\XePersian@yModHundred
   \XePersian@leapfalse
\else
   \XePersian@temp=\XePersian@yModHundred
   \divide\XePersian@temp by 2\relax
   \ifodd\XePersian@temp\XePersian@leapfalse
   \else
      \ifnum\XePersian@yModHundred=0%
         \XePersian@temp=\XePersian@y
         \divide\XePersian@temp by 400\relax
         \multiply\XePersian@temp by 400\relax
         \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
      \else\XePersian@leaptrue
      \fi
   \fi
\fi
\XePersian@latini=31\relax
\ifXePersian@leap
  \XePersian@latinii = 29\relax
\else
  \XePersian@latinii = 28\relax
\fi
```

```
\XePersian@latiniii = 31\relax
\XePersian@latiniv  = 30\relax
\XePersian@latinv = 31\relax
\XePersian@latinvi = 30\relax
\XePersian@latinvii = 31\relax
\XePersian@latinviii = 31\relax
\XePersian@latinix = 30\relax
\XePersian@latinx = 31\relax
\XePersian@latinxi = 30\relax
\XePersian@latinxii = 31\relax
\XePersian@thirtytwo=32\relax
\XePersian@temp=\XePersian@y
\advance\XePersian@temp by -17\relax
\XePersian@temptwo=\XePersian@temp
\divide\XePersian@temptwo by 33\relax
\multiply\XePersian@temptwo by 33\relax
\advance\XePersian@temp by -\XePersian@temptwo
\ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
\else
   \XePersian@temptwo=\XePersian@temp
   \divide\XePersian@temptwo by 4\relax
   \multiply\XePersian@temptwo by 4\relax
   \advance\XePersian@temp by -\XePersian@temptwo
   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
\fi
\XePersian@tempthree=\XePersian@y                % Number of Leap years
\advance\XePersian@tempthree by -1
\XePersian@temp=\XePersian@tempthree             % T := (MY-1) div 4
\divide\XePersian@temp by 4\relax
\XePersian@temptwo=\XePersian@tempthree          % T := T - ((MY-1) div 100)
\divide\XePersian@temptwo by 100\relax
\advance\XePersian@temp by -\XePersian@temptwo
\XePersian@temptwo=\XePersian@tempthree          % T := T + ((MY-1) div 400)
\divide\XePersian@temptwo by 400\relax
\advance\XePersian@temp by \XePersian@temptwo
\advance\XePersian@tempthree by -611       % Number of Kabise years
\XePersian@temptwo=\XePersian@tempthree          % T := T - ((SY+10) div 33) * 8
\divide\XePersian@temptwo by 33\relax
\multiply\XePersian@temptwo by 8\relax
\advance\XePersian@temp by -\XePersian@temptwo
\XePersian@temptwo=\XePersian@tempthree          %
\divide\XePersian@temptwo by 33\relax
\multiply\XePersian@temptwo by 33\relax
\advance\XePersian@tempthree by -\XePersian@temptwo
\ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
\divide\XePersian@tempthree by 4\relax     % T := T - ((SY+10) mod 33) div 4
\advance\XePersian@temp by -\XePersian@tempthree
\advance\XePersian@temp by -137            % T := T - 137  Adjust the value
\XePersian@persiani=31
\advance\XePersian@persiani by -\XePersian@temp                % now 31 - T is the persiani
\XePersian@persianii = 30\relax
\ifXePersian@kabiseh
  \XePersian@persianiii = 30\relax
\else
```

```
  \XePersian@persianiii = 29\relax
\fi
\XePersian@persianiv  = 31\relax
\XePersian@persianv   = 31\relax
\XePersian@persianvi  = 31\relax
\XePersian@persianvii = 31\relax
\XePersian@persianviii= 31\relax
\XePersian@persianix  = 31\relax
\XePersian@persianx   = 30\relax
\XePersian@persianxi  = 30\relax
\XePersian@persianxii = 30\relax
\XePersian@persianxiii= 30\relax
\XePersian@dn= 0\relax
\XePersian@sn= 0\relax
\XePersian@mminusone=\XePersian@m
\advance\XePersian@mminusone by -1\relax
\XePersian@i=0\relax
\ifnum\XePersian@i < \XePersian@mminusone
\loop
\advance \XePersian@i by 1\relax
\advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
\ifnum\XePersian@i<\XePersian@mminusone \repeat
\fi
\advance \XePersian@dn by \XePersian@d
\XePersian@i=1\relax
\XePersian@sn = \XePersian@persiani
\ifnum \XePersian@sn<\XePersian@dn
\loop
\advance \XePersian@i by 1\relax
\advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
\ifnum \XePersian@sn<\XePersian@dn \repeat
\fi
\ifnum \XePersian@i < 4
   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
   \advance \XePersian@y by -622\relax
\else
   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
   \advance \XePersian@y by -621\relax
\fi
\advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
\endcsname
\ifnum\XePersian@i = 1
  \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersia
\else
  \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
\fi
\newcommand*{\persiantoday}{%
\number\XePersian@d\space%
\XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
}
\let\persianyear\XePersian@y
\let\persianmonth\XePersian@m
\let\persianday\XePersian@d
\def\XePersian@persian@month#1{\ifcase#1\or or\
```

```
5881 or\
5882 or\    or\
5883 or\
5884 or\     or\
5885 or\   or\
5886 or\  or\
5887 {fi\
```

Index

Symbols

\! 2366
\% 2507, 2509, 5432, 5557, 5570
\. 5474, 5477
\@@and 3915
\@@math 195
\@@maybeautodot 2635, 2636, 2654, 2691, 2692, 2710, 2743, 2744, 2762
\@@par 1893
\@@textdigitfont@onfalse . 3613
\@@textdigitfont@ontrue . . 3612
\@Abjad 1238, 2974, 2975, 3924, 3932, 3933
\@Alph 2648, 2704, 2756, 2970, 2975, 4190, 4193
\@DeclareMathDelimiter . . . 5288
\@DeclareMathSizes 5279
\@False 183, 185
\@Kashida@onfalse 1619
\@Kashida@ontrue 1618
\@LTRfootnotetext 1923
\@LTRmarginparreset 3545
\@Latincitex . . . 73, 74, 2157, 2166, 2356, 3553, 3554
\@M 199, 3966, 4067, 4162
\@Mi 195
\@Mii 1816
\@Miii 1818
\@RTL@footnotefalse . 3520, 3540
\@RTL@footnotetrue . . 3530, 3541
\@RTLfalse 165, 177, 190
\@RTLfootnotetext 1924
\@Roman 2650, 2706, 2758
\@SepMark 1752
\@SetTab 2783
\@True 178, 184
\@X 5590, 5591, 5669
\@abjad 1239, 2969, 2970, 4151, 4170, 4171
\@acol 2048, 2056
\@acolampacol . . 2046, 2048, 2054, 2056
\@adadi 1236, 2646, 2702, 2754, 3940, 3942, 3945
\@addamp 2047, 2055
\@addtopreamble 2015
\@alph 2649, 2705, 2757, 2784, 2969, 2974, 4189, 4192
\@ampacol 2046, 2054
\@answernumberfont . 5612, 5613, 5651
\@answerstitle 5609, 5650
\@answerstitlefont . 5610, 5611, 5650
\@appendheader . . 5623, 5624, 5626
\@arrayclassz 2046
\@arraydesc 5619, 5622, 5629, 5633
\@arrayrule 1994, 1995, 1996, 2038, 2039, 2040
\@author 4626, 4638
\@autodottrue . . 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760
\@auxout 3559
\@begin@tempboxa 1893
\@biblabel 2158, 2167
\@bibsetup 2159, 2168
\@bidi@list@minipage@parbox@not@nobtrue 1890, 1912
\@bidi@list@minipage@parboxtrue 1891, 1913
\@bidi@logo 3883
\@bidi@logo@ 3879
\@bidi@logo@hb@xt@columnwidth 3880
\@bidi@pdfcreator 3885
\@bidituftesidenote@LTRmarginfont 115
\@bidituftesidenote@RTLmarginfont 117
\@bsphack 1815
\@captype . . 1803, 1866, 2113, 2123
\@cclvi 5222, 5228, 5252
\@chapapp . . 30, 131, 142, 149, 161, 1314, 1326, 1758, 2580, 2587, 2594, 2602, 2684, 2736

\@chclass . 1928, 1936, 1944, 1959, 1973, 1978, 1993, 2009, 2029, 2037, 2067, 2090, 2104
\@chnum 1930, 1931, 1932, 1933, 1934, 1935, 1945, 1952, 1966, 1979, 1986, 2002, 2015, 2031, 2032, 2033, 2034, 2035, 2036, 2050, 2058, 2068, 2075, 2097
\@choices .. 5617, 5621, 5637, 5639
\@cite 2145, 2152, 2164, 2180, 2269, 3556
\@cite@ofmt 3564
\@citea 2185, 2199, 2213, 2222, 2223, 2224, 2229, 2244, 2252, 2253, 2254, 2288, 2304, 2322, 3555, 3557
\@citeb 2181, 2183, 2185, 2188, 2190, 2191, 2193, 2216, 2247, 2270, 2272, 2274, 2277, 2279, 2280, 2282, 3556, 3558, 3559, 3560, 3563, 3564
\@citex 2156, 2165
\@classx 2012
\@classz 2012
\@correction 5690
\@correctionstyle .. 5675, 5676, 5677
\@ctrerr 3931, 3936
\@currbox . 1823, 1869, 1873, 2112, 2116, 2122, 2126
\@currenvir 2430, 2432, 2433, 2608, 2663, 2715
\@customlogo 4726, 4735
\@custommagazinename . 4495, 4728
\@customminilogo 4727, 4741
\@customwwwTxt .. 4456, 4459, 4511
\@date 4629, 4639
\@dblfpbot 3875
\@dblfpsep 3874
\@dblfptop 3873
\@defaultunits 3650, 3654
\@dgroup 177
\@dmath 165, 194
\@doendpe 2447
\@dseries 190
\@eha 5242, 5268
\@empty 180, 1810, 2170, 2180, 2183, 2269, 2272, 2401, 3555, 3558, 4025, 4031, 4034, 4037, 4142, 4637, 4638, 4639, 4640
\@emptytoks 179
\@enGroup 1228
\@enLabel . 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226
\@enOther 1230
\@enSpace 1227
\@end@tempboxa 1908
\@endpbox 2022, 2023
\@endpetrue 3529, 3539
\@enhook 1231
\@enloop@ 1218
\@entemp .. 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229
\@enum@ 1229
\@extra@b@citeb 2185, 2191, 2193, 2216, 2247, 2274, 2280, 2282
\@false 5674, 5682, 5689
\@false@correction .. 5666, 5689
\@false@nocorrection . 5664, 5682
\@falsesymbol ... 5660, 5662, 5666
\@firstampfalse 2048, 2056
\@firstofone 1543, 1544, 2183, 2272, 3558, 5225, 5249
\@firstoftwo 3082, 3088, 3094
\@float@HH 2109, 2110
\@float@Hx 2108, 2109
\@float@ 2109, 2120
\@floatboxreset . 1879, 2118, 2128
\@floatcapt 2113, 2123
\@floatpenalty .. 1816, 1818, 1821
\@flstylefalse 2115, 2125
\@flstyletrue 2115, 2125
\@fltovf 1871
\@footnotetext 1922
\@for 2181, 2270, 3556, 4269
\@formanswerline 5646, 5655, 5668, 5672
\@fpbot 3872
\@fps .. 1804, 1805, 1807, 1810, 1827
\@fpsadddefault 1808, 1811
\@fpsep 3871, 3874
\@fptop 3870, 3872, 3873, 3875
\@freelist 1823
\@gobble 1229
\@harfi 12, 20, 31, 34, 43, 49, 55, 61, 132, 143, 150, 162, 1237, 1304, 1315, 1327, 1565, 1759, 2581, 2588, 2595, 2603, 2629, 2645,

2685, 2701, 2737, 2753, 3934, 3937, 3938
\@headerfont 5588, 5589, 5594, 5624
\@headerline 5620, 5623, 5631, 5635
\@ifclassloaded 2941, 4225, 4228, 4229, 4230, 4231, 4232, 4233, 4234, 4235, 4236, 4237, 4238, 4239, 4240, 4241, 4242, 4243, 4244, 4245, 4246, 4247, 4248, 4249, 4250, 4251
\@ifdefinable 2465, 2467
\@ifdefinitionfileloaded 1800, 1943, 1976, 2066, 2107, 4205, 4206
\@ifnextchar 2109, 2350, 2356, 3553
\@ifnum 2287, 2289, 2291, 2298, 2299, 2302, 2314, 2337, 2339
\@ifpackageloaded 76, 1674, 1678, 2359, 2363, 2455, 2463, 4207, 4208, 4209, 4210, 4211, 4212, 4213, 4214, 4215, 4216, 4217, 4218, 4219, 4220, 4221, 4222, 4223, 4224, 4225, 4226, 4227
\@ifstar 2349
\@ifundefined 72, 2185, 2191, 2274, 2280, 3560
\@ignoretrue 201
\@iiiminipage 1909
\@iiiparbox 1887
\@indexfile 2946
\@initorcheck . . . 5616, 5636, 5654
\@inlabelfalse 168
\@input@ 2949
\@lastchclass . . 1928, 1929, 1945, 1946, 1947, 1948, 1950, 1979, 1980, 1981, 1982, 1984, 2029, 2030, 2046, 2054, 2068, 2069, 2070, 2071, 2073
\@latex@error 5240, 5266
\@latex@warning 3562
\@latinAlph 4190, 4193
\@latinalph 2784, 4189, 4192, 4195
\@let@token 5475, 5480, 5483, 5484, 5485, 5486, 5487, 5488, 5489, 5490, 5491, 5492, 5493, 5494
\@list@extra 3759, 3766, 3775, 3782, 3790, 3797, 3805, 3813, 3820, 3829, 3833, 3838, 3842, 3847, 3851, 3856
\@listI 3673, 3768
\@listdepth 1925
\@listi 3673, 3690, 3707, 3762, 3768, 3858
\@listi@footnotesize . 3707, 3793
\@listi@small 3690, 3778
\@listii 3808
\@listiii 3823
\@listiv 3836
\@listv 3845
\@listvi 3854
\@m . . . 2162, 3557, 3965, 4066, 4160
\@mainmatterfalse . 126, 137, 155, 1308, 2659
\@maskanswerline 5647, 5656, 5669, 5673
\@memfront 1750
\@minipagefalse 3550
\@minipagerestore 1926
\@minipagetrue 3549
\@minus 3621, 3623, 3627, 3629, 3635, 3637, 3641, 3643, 3817
\@mpLTRfootnotetext 1923
\@mpRTLfootnotetext 1924
\@mpargs 1915
\@mpfn 1921
\@mpfootnotetext 1922
\@mplistdepth 1925
\@namedef . . 2139, 2193, 2282, 2446
\@ne . . 1833, 1839, 1932, 1933, 1936, 1945, 1955, 1956, 1960, 1979, 1989, 1990, 1994, 1995, 1996, 2033, 2034, 2038, 2039, 2040, 2068, 2078, 2079, 2091, 2287, 2299, 2301, 2314, 2322, 3030, 3031, 3032, 3033, 3034, 3507, 3508, 3599, 3952, 3993, 4000, 4012, 4017, 4053, 4094, 4101, 4113, 4118, 4277, 5232, 5237, 5256, 5263
\@next 1823
\@nextchar 1951, 1953, 1954, 1955, 1956, 1957, 1958, 1960, 1961, 1962, 1963, 1964, 1967, 1968, 1969, 1970, 1971, 1972, 1985, 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2008, 2020, 2022, 2023, 2074, 2076, 2077, 2078, 2079, 2080, 2081, 2082,

2083, 2084, 2085, 2086, 2087, 2088, 2089, 2091, 2092, 2093, 2094, 2095, 2098, 2099, 2100, 2102, 2103
\@nextchar 2101
\@nil . 2376, 2380, 2381, 2386, 2388, 3983, 3986, 4084, 4087, 4256, 4263, 4266
\@nnil 3650, 3654, 3658, 3659
\@nodocument 1802
\@nonlatinfalse 3495
\@nonlatintrue 3509
\@onelevel@sanitize 1805
\@parboxrestore 1878, 1893, 1920, 2117, 2127
\@parboxto 1896, 1905
\@parmoderr 1821
\@pboxswfalse 1889, 1911
\@pboxswtrue 1903
\@plus 3621, 3623, 3627, 3629, 3635, 3637, 3641, 3643, 3817, 3870, 3871
\@ppsavesec 25
\@preamble 2049, 2057
\@preamblecmds 5293
\@preamerr 1939, 1973, 2009, 2043, 2104
\@ptsize 3653
\@questionheader 5646, 5647, 5678
\@questionsepspace . 5702, 5707, 5713
\@questiontitle 5695, 5708
\@questiontitlefont 5696, 5697, 5708
\@resets@pp 24, 1549, 1550
\@roman 2651, 2707, 2759
\@safe@activesfalse . 2184, 2273
\@safe@activestrue . . 2182, 2271
\@secondoftwo . . . 3084, 3090, 3096
\@setfontsize . . 3667, 3684, 3701, 3712, 3718, 3724, 3730, 3736, 3742, 3748, 4426, 4432, 4434, 4437, 4444, 4450, 4451, 4452, 4453, 4454
\@setfpsbit 1843, 1846, 1849, 1852, 1855, 1858
\@setminipage 1927
\@setnobreak 2118, 2128
\@sharp 2051, 2052, 2053, 2059, 2060, 2061
\@smemfront 1751
\@sptoken 1227, 4258
\@startpbox 2022, 2023
\@starttoc 3899, 5599, 5604
\@stop 2636, 2692, 2744
\@sx@xepersian@localize@verbatim 2139
\@tabclassz 2054
\@tartibi 9, 16, 39, 45, 51, 57, 123, 134, 145, 157, 1235, 1300, 1310, 1322, 1562, 1753, 1754, 2576, 2583, 2590, 2598, 2606, 2647, 2661, 2703, 2713, 2755, 4046, 4048, 4051
\@tempa 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1233, 2386, 2388, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 3658, 3659
\@tempb 3656, 3659, 3676, 3693, 3710, 3716, 3722, 3728, 3734, 3740, 3746
\@tempboxa 1916
\@tempc 2401, 2414, 2424, 2426, 2427, 2430, 2438
\@tempcnta 1825, 1831, 1833, 1837, 1839, 1861, 1862, 1868, 1869, 2013, 2296, 2297, 2298, 2301, 2302, 4268, 4271, 4277
\@tempcntb 1866, 1867, 1868
\@tempdima 1892, 1893, 1914, 1918, 3649, 3650, 3651, 3655, 3657, 3668, 3675, 3676, 3685, 3692, 3693, 3702, 3709, 3710, 3713, 3715, 3716, 3719, 3721, 3722, 3725, 3727, 3728, 3731, 3733, 3734, 3737, 3739, 3740, 3743, 3745, 3746, 3749
\@tempdimb 1895, 1896, 3654, 3655, 3661, 3662, 3664, 3668, 3676, 3678, 3679, 3681, 3685, 3693, 3695, 3696, 3698, 3702, 3710, 3713, 3716, 3719, 3722, 3725, 3728, 3731, 3734, 3737, 3740, 3743, 3746, 3749, 3752, 3754, 3756, 3770, 3772, 3785, 3787, 3800, 3802, 3816, 3859, 3860, 3862, 3864, 3866, 3871, 3876, 4285, 4286

\@tempdimc 3651, 3652, 3653, 3655, 3656, 3657, 3675, 3692, 3709, 3715, 3721, 3727, 3733, 3739, 3745
\@tempskipa 4289, 4290
\@tempswafalse . 2314, 3553, 3757, 3773, 3788, 3803, 3818, 3831, 3840, 3849
\@tempswatrue . . 2313, 3553, 3759, 3775, 3790, 3805, 3820, 3833, 3842, 3851
\@temptokena 2387, 2394, 2399, 2405, 2412, 2422, 2436
\@testpach 1928, 1944, 1978, 2029, 2067
\@tfor 1826, 2471
\@thanks 4631, 4637
\@the@choice 5625, 5626
\@title 4619, 4640
\@true 5670, 5681, 5688
\@true@correction . . . 5665, 5688
\@true@nocorrection . 5663, 5681
\@truesymbol 5659, 5661, 5665
\@verbatim 2136, 2139, 2444, 2446, 2457
\@vobeyspaces 2136, 2444
\@warning 2443
\@x@xepersian@localize@verbatim 2136
\@xDeclareMathDelimiter . . 5288
\@xepersian@@baselineskip@scale . . 3484, 3493, 3506, 3516
\@xepersian@@computeautoilgfalse 3010
\@xepersian@@computeautoilgtrue 3009
\@xepersian@@fontsize@scale . . . 3483, 3488, 3505, 3515
\@xepersian@bannerfalse . . 2898
\@xepersian@bannertrue . . . 2895
\@xepersian@info 3038, 3065, 3066
\@xepersian@pdfcustomproperties 3889
\@xfloat 1801, 2108, 2109
\@xxDeclareMathDelimiter . 5287
\@xxxii 1867
@\ 1780, 1781
@\ 1776, 1777, 1779
@\ 2358
\[. 2366
\\ 2133, 2366, 4587, 4902, 4903, 5165, 5168, 5217, 5592, 5631, 5635, 5655, 5656
\{ 2132, 2366
\} 2132, 2366
\␣ 1502, 1504, 3557, 3989, 3995, 4014, 4020, 4090, 4096, 4115, 4125, 4502, 4511
\] 2366
\^ 2367
_ 2937, 2960, 2961, 2962, 3161, 3164, 3177, 3181, 3185, 3188, 3200, 3222, 3226, 3227, 3234, 3237, 3249, 3253, 3260, 3265, 3268, 3284, 3289, 3292, 3339, 3342, 3355, 3359, 3363, 3366, 3379, 3383, 3387, 3390, 3403, 3407, 3411, 3414, 3427, 3431, 3435, 3438, 3451, 3455, 3459, 3462, 3475, 3479, 5349, 5350, 5353, 5362, 5363, 5374, 5378, 5382, 5386, 5390, 5394, 5398, 5400, 5408, 5410, 5414, 5420, 5439, 5443, 5445, 5448, 5450, 5454, 5458, 5460, 5463, 5465, 5469
\| 4903
\~ 2367, 2507, 5477

A

\abj@num@i 4156, 4173, 4180
\abj@num@ii 4158, 4177, 4184
\abj@num@iii 4160, 4181, 4187
\abj@num@iv 4162, 4185
\Abjad 1238, 1243, 3932
\abjad 1239, 1244, 4170
\abjad@zero 4172, 4176
\Abjadnumeral 3933
\abjadnumeral 4171
\abovedisplayshortskip . . 3662, 3670, 3679, 3687, 3696, 3704, 4429, 4430, 4440, 4441, 4447, 4448
\abovedisplayskip . . 3660, 3665, 3669, 3677, 3682, 3686, 3694, 3699, 3703, 4427, 4428, 4438, 4439, 4445, 4446
\abstractname 3912
\active 2367, 5474
\adadi 1220, 1236, 1241, 2639, 2695, 2747, 3939

\adadinumeral 3945
\AddEnumerateCounter 1235, 1236, 1237, 1238, 1239
\addfontfeature 3019
\addfontfeatures . . 165, 177, 190
\addtocontents . 5598, 5601, 5603, 5606, 5628, 5632, 5655, 5656
\addtolength 3652, 4654, 4655, 4658, 5077, 5078, 5079, 5080, 5144
\addtoversion 5280
\adl@argarraydashrule 1996, 2040
\adl@arraydashrule . . 1995, 2039
\adl@arrayrule 1994, 2038
\adl@box 2020, 2022, 2023
\adl@class@iiiorvii . 2026, 2063
\adl@class@start 2025, 2062
\adl@endmbox 2021
\adl@putlrc 2017, 2018, 2019, 2051, 2052, 2053, 2059, 2060, 2061
\adl@startmbox 2020
\advance . . 1505, 1833, 1839, 1862, 1868, 2301, 3599, 3601, 4277, 4418, 4422, 4690, 4693, 5237, 5263, 5750, 5785, 5789, 5795, 5799, 5804, 5807, 5808, 5812, 5816, 5817, 5819, 5820, 5822, 5842, 5846, 5847, 5850, 5855, 5856, 5860, 5861, 5863, 5864, 5866, 5869, 5871
\aftergroup 3759, 3775, 3790, 3805, 3820, 3833, 3842, 3851
\ALG@name 5, 7
\algorithmicensure 3
\algorithmicrequire 2
\ALGS@name 6, 7
\aliasfontfeature . . 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742
\aliasfontfeatureoption . 1743, 1744, 1745, 1746, 1747, 1748
\alloc@ 5222
\Alph . 1222, 1535, 1536, 2641, 2697, 2749
\alph . 1223, 2642, 2698, 2750, 2791, 5625, 5651
\alpha@elt 5281
\alpha@list 5281
\anappendixtrue 1760
\and 4644
\answernumberfont 5613
\answerstitle 5609, 5679
\answerstitlefont 5611
\appendix . . . 10, 17, 40, 46, 52, 58, 128, 139, 146, 158, 1301, 1311, 1323, 1532, 1533, 1563, 1755, 2577, 2584, 2591, 2599, 2607, 2612, 2623, 2632, 2634, 2662, 2667, 2678, 2688, 2690, 2714, 2719, 2730, 2740, 2742
\appendixautorefname 1520
\appendixname 11, 19, 30, 131, 142, 149, 161, 1314, 1326, 1564, 1758, 2580, 2587, 2594, 2602, 2684, 2736, 3909
\arabic 1226
\arrayrulewidth 5159
\articlesep 5141
\AtBeginDocument . 71, 1531, 1635, 2139, 2346, 2451, 3903, 4416, 4420
\AtEndOfClass 4414
\AtEndOfPackage 2905, 2906, 2907, 2912, 2913, 2914, 2919, 2920, 2921, 2926, 2933, 2939, 2980, 2992, 3016, 4338
\author 4642
\authorandplace 5115
\AutoDisplayMathDigits . . 2919, 5533, 5539
\AutoInlineMathDigits 2912, 5529, 5538
\AutoMathDigits . 2905, 5537, 5541

B

\backrefpagesname 63
\baselineskip . . 3602, 3605, 4322, 4324, 4326, 4329, 4330, 4332
\begin 2360, 2361, 2611, 2617, 2622, 2666, 2672, 2677, 2718, 2724, 2729, 3540, 3541, 3897, 4470, 4473, 4526, 4541, 4554, 4560,

4581, 4612, 4618, 4625, 4649, 4703, 4709, 4781, 4784, 4789, 4796, 4811, 4826, 4843, 4877, 4895, 4900, 4920, 4927, 4928, 4949, 4951, 4952, 4974, 4979, 4980, 5016, 5017, 5025, 5051, 5059, 5065, 5066, 5074, 5104, 5128, 5160, 5161, 5176, 5188, 5202, 5629, 5633, 5644, 5645, 5651, 5706
\begingroup 173, 2131, 2348, 2364, 2444, 2446, 2506, 3101, 3103, 3758, 3774, 3789, 3804, 3819, 3832, 3841, 3850, 5229, 5253, 5475, 5480
\beginL 3550, 4502, 4903
\beginR 4506, 4507, 4508, 4519, 4520, 4521, 4726, 4727, 4728, 4746, 4767, 4768, 4769, 4770, 4771, 4772, 4923, 5018
\belowdisplayshortskip . . 3663, 3672, 3680, 3689, 3697, 3706, 4430, 4441, 4448
\belowdisplayskip . . 3665, 3671, 3682, 3688, 3699, 3705, 4428, 4439, 4446
\bfseries . 2186, 2275, 3560, 3881, 4462, 4468, 4487, 4495, 4523, 4539, 4558, 4572, 4576, 4601, 4606, 4610, 4735, 4741, 5588, 5610, 5612, 5696
\bgroup 1228, 1876, 1916, 2117, 2127, 5225, 5249, 5476
\bibname 3916
\bidi@@footnotetext@font . 1489
\bidi@@LTRfootnotetext@font 1491
\bidi@@RTLfootnotetext@font 1493
\bidi@@thebibliography@font@hook 4196
\bidi@AfterEndPreamble . . . 4200
\bidi@appto 2774, 2778
\bidi@AtEndPreamble 3017
\bidi@beamer@today 85
\bidi@csdefcs 816, 1667
\bidi@csletcs 511, 1667, 1676, 1677, 1680, 1681
\bidi@digits@charclass . . 3201, 3202, 3203, 3204, 3205, 3206, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215
\bidi@font@@outputpage . . . 3566
\bidi@isloaded . 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1637, 1640, 1643, 1646, 1649, 1652, 1655, 1658, 1661
\bidi@newrobustcmd . 3518, 3519, 3901
\bidi@patchcmd . 3018, 4285, 4289, 4301, 4307, 4313, 4321
\bidi@reflect@box 3902
\bidi@sepmark@charclass . 3205, 3206
\blacktriangleleft . . 1500, 1502
\blacktriangleright . 1500, 1502
\bm@b 1884
\bm@c 1881
\bm@l 1882
\bm@r 1883
\bm@s 1886
\bm@t 1885
\bm@ 1885
\bm@ 1883
\bm@ 1884
\bm@ 1881
\bm@ 1882
\bm@ 1886
\bool 5275
\boolean . . 4403, 4415, 4424, 4528, 4543, 4562, 4583, 4779, 4780, 4810, 4842, 4876, 4894, 4918, 4948, 4972, 4999
\box 179
\BR@Latincitex 64, 74
\BRorg@Latincitex 65, 73

C

\C 2368
\c 5307, 5310, 5318, 5326, 5334, 5342, 5554, 5567
\c@book 1753
\c@chapter 18, 20, 31, 132, 143, 150, 162, 1315, 1327, 1759, 2581, 2588, 2595, 2603, 2685, 2737
\c@mpfootnote 1921, 4195
\c@part 9, 16, 39, 45, 51, 57, 123, 134, 145, 157, 1300, 1310,

1322, 1562, 1754, 2576, 2583, 2590, 2598, 2606, 2661, 2713
\c@section 10, 12, 18, 34, 43, 49, 55, 61, 1304, 1563, 1565, 2629
\c@subsection 10, 1563
\catcode . . 1665, 2131, 2132, 2133, 2367, 5474
\ccname 3918
\cdp@elt 5278
\cdp@list 5278
\centering 4665, 4953, 5593
\cftchapname 2803
\cftfigname 2809
\cftparaname 2807
\cftsecname 2804
\cftsubfigname 2810
\cftsubparaname 2808
\cftsubsecname 2805
\cftsubsubsecname 2806
\cftsubtabname 2812
\cfttabname 2811
\chapterautorefname 1521
\chaptername 19, 1329, 3917
\char 5352, 5360
\chardef . . 1568, 1569, 1571, 1572, 1573, 1574, 1575, 3571, 5222
\charlist . . 1590, 1591, 1593, 1597
\citation 3559
\citenumfont 2325
\citeyear 2147
\citeyearpar 2147
\ClassError 4800, 4832, 4866, 4886, 4907, 4932, 4957, 4983, 5006, 5638
\ClassWarning . . 2609, 2664, 2716, 4385, 4387, 4389, 4659, 4673
\cleardoubleoddpage 2658
\cleardoublepage 15, 125, 136, 154, 1307
\clearpage 2658, 4763
\clist 5372, 5376, 5377, 5384, 5385, 5392, 5393
\closeout 2946
\color@begingroup 1917
\color@vbox 1874, 2116, 2126
\columnlines 4359, 4360, 4392, 4721
\columnsep 4655, 5078
\columnseprule 4721
\columntitle 5072
\columnwidth 1877, 1919, 2117, 2127, 4654, 5077
\comment 5683
\contentsname 3897, 3906
\copyright 4511
\correction 5683, 5690
\correctionstyle 5676
\count 1869, 4689, 4690, 4692, 4693, 4702, 4708
\count@ 2013
\cs . . 2454, 2456, 2937, 3164, 3181, 3188, 3222, 3237, 3253, 3268, 3270, 3275, 3292, 3294, 3299, 3342, 3359, 3366, 3383, 3390, 3407, 3414, 3431, 3438, 3455, 3462, 3479, 5302, 5303, 5304, 5305, 5306, 5349, 5350, 5374, 5382, 5390, 5398, 5410, 5439, 5445, 5454, 5460, 5469, 5551
\csname 1669, 1671, 1672, 1866, 1906, 2111, 2114, 2121, 2124, 2141, 2448, 2465, 2466, 2467, 2468, 2469, 2634, 2690, 2742, 3102, 3105, 3111, 3113, 3564, 3760, 3776, 3791, 3806, 3821, 3834, 3843, 3852, 3932, 3937, 3940, 4046, 4170, 4302, 4304, 4308, 4310, 4314, 4316, 5228, 5231, 5236, 5237, 5252, 5255, 5259, 5260, 5263, 5298, 5300, 5847, 5856, 5866
\CurrentOption 2888
\currenttime 4485
\customlogo 4726
\custommagazinename 4728
\customminilogo 4727
\customwwwTxt 4456

D

\d@llarbegin 2017, 2018, 2019
\d@llarend 2017, 2018, 2019
\date 4484, 4495, 4643, 5112
\datename 3914
\day 5745
\dblfloatsep 3868
\dbltextfloatsep 3869
\decimalseparator@check . 5481, 5482
\decimalseparator@point . 5472, 5481

\decimalseparator@pointcheck 5475, 5480, 5481
\DeclareDocumentCommand . 3159, 3183, 3224, 3232, 3258, 3263, 3282, 3287, 3337, 3361, 3385, 3409, 3433, 3457, 5406, 5441, 5456
\DeclareMathAccent 5286
\DeclareMathAlphabet 5285
\DeclareMathDelimiter 5287
\DeclareMathRadical 5289
\DeclareMathSizes 5278
\DeclareMathSymbol 5286
\DeclareMathVersion 5280
\DeclareOption . 4381, 4382, 4383, 4384, 4386, 4388, 4390, 4391, 4392, 4393, 4394, 5680, 5687
\DeclareRobustCommand 2347, 3168, 3193, 3240, 3312, 3315, 3318, 3321, 3324, 3327, 3346, 3370, 3394, 3418, 3442, 3466, 3552
\DeclareSymbolFont . 5283, 5416, 5417, 5418, 5419, 5449, 5464
\DeclareSymbolFontAlphabet 5290
\DeclareSymbolFontAlphabet@ 5290
\DeclareTextFontCommand . 3330, 3331, 3332, 3333, 3334, 3335
\DeclareUnknownKeyHandler 2887
\def 2, 3, 5, 6, 7, 10, 12, 15, 17, 20, 63, 64, 77, 121, 165, 177, 190, 197, 201, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1497, 1499, 1501, 1503, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1533, 1545, 1550, 1563, 1565, 1577, 1590, 1592, 1593, 1598, 1623, 1624, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1801, 1803, 1804, 1806, 1887, 1909, 1915, 1921, 1928, 1944, 1978, 2012, 2025, 2026, 2029, 2046, 2054, 2062, 2063, 2067, 2109, 2110, 2113, 2120, 2123, 2136, 2137, 2146, 2149, 2161, 2162, 2172, 2175, 2188, 2203, 2233, 2265, 2269, 2294, 2356, 2370, 2374, 2376, 2377, 2380, 2386, 2388, 2390, 2406, 2409, 2425, 2426, 2429, 2442, 2444, 2447, 2464, 2509, 2767, 2814, 2822, 2830, 2838, 2846, 2854, 2862, 2870, 2878, 2879, 2880, 2881, 2968, 2973, 2984, 2988, 2996, 3000, 3004, 3098, 3099, 3100, 3106, 3107, 3111, 3482, 3485, 3490, 3504, 3520, 3521, 3530, 3531, 3543, 3544, 3545, 3554, 3557, 3658, 3759, 3775, 3790, 3805, 3820, 3833, 3842, 3851, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3924, 3932, 3934, 3937, 3946, 3951, 3960, 3986, 3999, 4010, 4024, 4030, 4033, 4036, 4040, 4052, 4061, 4087, 4100, 4111, 4129, 4134, 4141, 4151, 4170, 4172, 4173, 4177, 4181, 4185, 4191, 4195, 4254, 4255, 4257, 4263, 4266, 4267, 4456, 4726, 4727, 4728, 5222, 5224, 5248, 5421, 5451, 5466, 5480, 5481, 5482, 5509, 5510, 5511, 5512, 5513, 5517, 5521, 5525, 5529, 5533, 5537, 5588, 5590, 5592, 5610, 5612, 5616, 5623, 5659, 5660, 5663, 5664, 5665, 5666, 5675, 5678, 5685, 5686, 5692, 5693, 5696, 5880
\def@NAT@last@yr 2304, 2306
\DefaultDisplayMathDigits 2920, 5512, 5515
\defaultfontfeatures 2980
\DefaultInlineMathDigits 2913, 5511, 5514
\DefaultMathDecimalSeparator 5510, 5558
\DefaultMathDigits . . 2906, 5513
\define@key 2470
\define@mathalphabet 5280
\define@mathgroup 5280
\deflatinfont 3282
\defpersianfont 3258
\depth 2478, 2479
\DigitsDotDashInterCharToks .

. 3206
\dimexpr . . 3486, 3488, 3491, 3493, 3605, 3655, 3809, 3824, 3837, 3846, 3855, 4286, 4290, 4295, 4296, 4297
\ding 5659, 5660
\display@setup 166, 191
\divide 4695, 4696, 5747, 5755, 5760, 5787, 5793, 5801, 5803, 5806, 5810, 5814, 5818
\do . . 1828, 2181, 2270, 2471, 3556, 4269, 5293
\document@select@group . . . 5248
\dorestore@version 5282
\dosetclass 1591, 1592, 1596
\dot 5493
\doublebox 5034, 5087
\dquad 199, 201
\dseries@display@setup . . . 191

E

\e@alloc@intercharclass@top 3201, 3202
\edef . 1896, 1951, 1985, 2049, 2057, 2074, 2183, 2272, 2432, 3038, 3063, 3105, 3108, 3558, 3653, 3656, 3666, 3683, 3700, 3711, 3717, 3723, 3729, 3735, 3741, 3747, 3762, 3778, 3793, 3808, 3823, 3836, 3845, 3854, 4266, 4272, 5625
\edition 4753
\editionFormat 4462, 4465
\editorialAuthorFormat . . 4605, 5169
\editorialTitleFormat 4603, 4604
\egroup 5479
\else 2, 3, 5, 7, 32, 63, 121, 169, 199, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1318, 1333, 1340, 1348, 1355, 1363, 1370, 1378, 1385, 1392, 1399, 1406, 1413, 1420, 1427, 1434, 1441, 1448, 1455, 1462, 1469, 1476, 1483, 1489, 1500, 1502, 1504, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1595, 1623, 1624, 1636, 1639, 1642, 1645, 1648, 1651, 1654, 1657, 1660, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1809, 1817, 1822, 1832, 1838, 1891, 1894, 1899, 1900, 1901, 1902, 1903, 1913, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1945, 1946, 1947, 1949, 1950, 1953, 1954, 1955, 1956, 1957, 1958, 1960, 1961, 1962, 1963, 1964, 1967, 1968, 1969, 1970, 1971, 1972, 1979, 1980, 1981, 1983, 1984, 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2008, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2038, 2039, 2040, 2041, 2042, 2043, 2068, 2069, 2070, 2072, 2073, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2091, 2092, 2093, 2094, 2095, 2098, 2099, 2100, 2101, 2102, 2103, 2115, 2125, 2150, 2163, 2195, 2200, 2209, 2212, 2226, 2230, 2239, 2243, 2246, 2258, 2262, 2263, 2284, 2305, 2319, 2321, 2324, 2338, 2340, 2351, 2374, 2385, 2398, 2400, 2403, 2418, 2420, 2426, 2434, 2442, 2469, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2637, 2658, 2693, 2745, 2770, 2787, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2818, 2826, 2834, 2842, 2850, 2858, 2866, 2873, 2882, 2951, 3083, 3089, 3095, 3122, 3219, 3220, 3566, 3580, 3591, 3618, 3619, 3620, 3622, 3625, 3626, 3628, 3632, 3633, 3634, 3636, 3639, 3640, 3642, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3931, 3936, 3954, 3956,

3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3989, 4004, 4018, 4031, 4034, 4055, 4057, 4065, 4066, 4067, 4068, 4069, 4070, 4071, 4072, 4090, 4105, 4118, 4119, 4122, 4153, 4155, 4157, 4159, 4161, 4260, 4276, 4331, 4672, 5150, 5225, 5238, 5244, 5249, 5264, 5270, 5367, 5483, 5484, 5485, 5486, 5487, 5488, 5489, 5490, 5491, 5492, 5493, 5494, 5509, 5518, 5519, 5520, 5522, 5523, 5524, 5530, 5531, 5532, 5534, 5535, 5536, 5753, 5757, 5762, 5763, 5770, 5791, 5796, 5826, 5862, 5870
\empty 1594
\enclname 3919
\encodingdefault 3176, 3248, 3354, 3378, 3402, 3426, 3450, 3474
\end . . 1591, 1592, 1597, 1598, 2360, 2361, 2432, 2443, 2611, 2615, 2619, 2621, 2666, 2670, 2674, 2676, 2718, 2722, 2726, 2728, 3540, 3541, 3900, 4470, 4475, 4532, 4546, 4556, 4565, 4588, 4627, 4630, 4633, 4650, 4705, 4711, 4788, 4794, 4798, 4824, 4830, 4864, 4884, 4899, 4905, 4941, 4942, 4943, 4966, 4967, 4968, 4992, 4993, 4994, 5019, 5020, 5023, 5053, 5057, 5068, 5069, 5106, 5110, 5139, 5170, 5171, 5185, 5197, 5210, 5598, 5601, 5603, 5606, 5652, 5653, 5657, 5711
\end@correction 5691
\endcomment 5684
\endcorrection 5684, 5691
\endcsname 1669, 1671, 1672, 1866, 1906, 2111, 2114, 2121, 2124, 2141, 2448, 2465, 2466, 2467, 2468, 2469, 2634, 2690, 2742, 3102, 3105, 3111, 3113, 3564, 3760, 3776, 3791, 3806, 3821, 3834, 3843, 3852, 3932, 3937, 3940, 4046, 4170, 4302, 4304, 4308, 4310, 4314, 4316, 5228, 5231, 5236, 5237, 5252, 5255, 5259, 5261, 5263, 5298, 5300, 5847, 5856, 5867
\endgroup . 2369, 2447, 2510, 3101, 3109, 3761, 3777, 3792, 3807, 3822, 3835, 3844, 3853, 5233, 5257, 5483, 5484, 5485, 5486, 5487, 5488, 5489, 5490, 5491, 5492, 5493, 5494, 5495
\endL 4502, 4903
\endlatin 3521, 3529
\endLTR 3521
\endMakeFramed 1508
\endmath 196
\endpersian 3531, 3539
\endquestion 5704
\endR . 4506, 4507, 4508, 4519, 4520, 4521, 4726, 4727, 4728, 4746, 4767, 4768, 4769, 4770, 4771, 4772, 4923, 5018
\endRTL 3531
\ends@math 196
\endtrivlist 2137, 2447
\end . . 2137, 2141, 2447, 2448
\ensuremath 3079
\eq@addpunct 201
\eq@group 169, 178
\eq@GRP@first@dmath 178
\eq@prelim 169, 186
\eq@setnumber 172
\eq@setup@a 174
\eq@startup 175
\eq@wdCond 193
\eqcommand 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314,

315, 316, 317, 318, 319, 320,
321, 322, 323, 324, 325, 326,
327, 328, 329, 330, 331, 332,
333, 334, 335, 336, 337, 338,
339, 340, 341, 342, 343, 344,
345, 346, 347, 348, 349, 350,
351, 352, 353, 354, 355, 356,
357, 358, 359, 360, 361, 362,
363, 364, 365, 366, 367, 368,
369, 370, 371, 372, 373, 374,
375, 376, 377, 378, 379, 380,
381, 382, 383, 384, 385, 386,
387, 388, 389, 390, 391, 392,
393, 394, 395, 396, 397, 398,
399, 400, 401, 402, 403, 404,
405, 406, 407, 408, 409, 410,
411, 412, 413, 414, 415, 416,
417, 418, 419, 420, 421, 422,
423, 424, 425, 426, 427, 428,
429, 430, 431, 432, 433, 434,
435, 436, 437, 438, 439, 440,
441, 442, 443, 444, 445, 446,
447, 448, 449, 450, 451, 452,
453, 454, 455, 456, 457, 458,
459, 460, 461, 462, 463, 464,
465, 466, 467, 468, 469, 470,
471, 472, 473, 474, 475, 476,
477, 478, 479, 480, 481, 482,
483, 484, 485, 486, 487, 488,
489, 490, 491, 492, 493, 494,
495, 496, 497, 498, 499, 500,
501, 502, 503, 504, 505, 506,
507, 508, 509, 510, 512, 513,
514, 515, 516, 517, 518, 519,
520, 521, 522, 523, 524, 525,
526, 527, 528, 529, 530, 531,
532, 533, 534, 535, 536, 537,
538, 539, 540, 541, 542, 543,
544, 545, 546, 547, 548, 549,
550, 551, 552, 553, 554, 555,
556, 557, 558, 559, 560, 561,
562, 563, 564, 565, 566, 567,
568, 569, 570, 571, 572, 573,
574, 575, 576, 577, 578, 579,
580, 581, 582, 583, 584, 585,
586, 587, 588, 589, 590, 591,
592, 593, 594, 595, 596, 597,
598, 599, 600, 601, 602, 603,
604, 605, 606, 607, 608, 609,
610, 611, 612, 613, 614, 615,
616, 617, 618, 619, 620, 621,
622, 623, 624, 625, 626, 627,
628, 629, 630, 631, 632, 633,
634, 635, 636, 637, 638, 639,
640, 641, 642, 643, 644, 645,
646, 647, 648, 649, 650, 651,
652, 653, 654, 655, 656, 657,
658, 659, 660, 661, 662, 663,
664, 665, 666, 667, 668, 669,
670, 671, 672, 673, 674, 675,
676, 677, 678, 679, 680, 681,
682, 683, 684, 685, 686, 687,
688, 689, 690, 691, 692, 693,
694, 695, 696, 697, 698, 699,
700, 701, 702, 703, 704, 705,
706, 707, 708, 709, 710, 711,
712, 713, 714, 715, 716, 717,
718, 719, 720, 721, 722, 723,
724, 725, 726, 727, 728, 729,
730, 731, 732, 733, 734, 735,
736, 737, 738, 739, 740, 741,
742, 743, 744, 745, 746, 747,
748, 749, 750, 751, 752, 753,
754, 755, 756, 757, 758, 759,
760, 761, 762, 763, 764, 765,
766, 767, 768, 769, 770, 771,
772, 773, 774, 775, 776, 777,
778, 779, 780, 781, 782, 783,
784, 785, 786, 787, 788, 789,
790, 791, 792, 793, 794, 795,
796, 797, 798, 799, 800, 801,
802, 803, 804, 805, 806, 807,
808, 809, 810, 811, 812, 813,
814, 815, 817, 818, 819, 820,
821, 822, 823, 824, 825, 826,
827, 828, 829, 830, 831, 832,
833, 834, 835, 836, 837, 838,
839, 840, 841, 842, 843, 844,
845, 846, 847, 848, 849, 850,
851, 852, 853, 854, 855, 856,
857, 858, 859, 860, 861, 862,
863, 864, 865, 866, 867, 868,
869, 870, 871, 872, 873, 874,
875, 876, 877, 878, 879, 880,
881, 882, 883, 884, 885, 886,
887, 888, 889, 890, 891, 892,
893, 894, 895, 896, 897, 898,
899, 900, 901, 902, 903, 904,
905, 906, 907, 908, 909, 910,
911, 912, 913, 914, 915, 916,

917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1667

\EqEnvironment 1252, 1670

\eqenvironment . 1246, 1247, 1248, 1249, 1250, 1251, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1668

\eqstyle 171

\equal 4701, 4856, 5028, 5033, 5038, 5043, 5048, 5081, 5086, 5091, 5096, 5101

\equationautorefname 1514

\escapechar 3104, 5230, 5254

\everydisplay . . . 166, 5545, 5546

\everyjob 3063, 3066

\everymath 5542

\everypar 3523, 3533, 3550

\ExecuteOptions 5694

\exp . . 3168, 3170, 3171, 3172, 3193, 3195, 3196, 3197, 3240, 3242, 3243, 3244, 3273, 3275, 3276, 3277, 3297, 3299, 3300, 3301, 3346, 3348, 3349, 3350, 3370, 3372, 3373, 3374, 3394, 3396, 3397, 3398, 3418, 3420, 3421, 3422, 3442, 3444, 3445, 3446, 3466, 3468, 3469, 3470

\expandafter 166, 1591, 1597, 1671, 1672, 1826, 1827, 1951, 1985, 2074, 2111, 2114, 2121, 2124, 2141, 2183, 2272, 2388, 2393, 2394, 2399, 2404, 2405, 2411, 2412, 2413, 2414, 2421, 2422, 2423, 2424, 2426, 2435, 2436, 2437, 2438, 2448, 2465, 2466, 2467, 2468, 3082, 3084, 3088, 3090, 3094, 3096, 3101, 3102, 3105, 3108, 3109, 3111, 3112, 3558, 3659, 3932, 3937, 3940,

3955, 3961, 4046, 4056, 4062, 4156, 4158, 4160, 4162, 4170, 4259, 4261, 5225, 5244, 5249, 5258, 5259, 5260, 5270, 5542, 5545, 5626
\expandedtitle 5022
\ExplSyntaxOff . 2140, 2462, 3036, 3481, 5295, 5471, 5578
\ExplSyntaxOn . . 2138, 2450, 2890, 3127, 5274, 5301, 5550
\extract@alph@from@version 5258

F

\f@baselineskip 3499, 3513, 3752, 3859, 4322, 4324
\f@family 3219, 3220
\f@size 3499, 3513
\f@ur . 1583, 3571, 3587, 3588, 3589, 3592, 3593, 3594
\false 5671
\falsesymbol 5662
\familydefault . 3175, 3247, 3353, 3377, 3401, 3425, 3449, 3473
\fancyfoot . 4766, 4770, 4771, 4772
\fancyhead . 4765, 4767, 4768, 4769
\FancyVerbLineautorefname 1527
\fbox . . 4650, 4665, 4880, 5648, 5708
\fboxrule . 1497, 1499, 1501, 1503, 4722
\fboxsep . . 1497, 1499, 1501, 1503, 4653, 4846, 4878, 4950, 4978, 5026, 5075
\fi 2, 3, 5, 7, 35, 63, 68, 86, 121, 165, 167, 168, 169, 177, 188, 190, 199, 1232, 1318, 1335, 1342, 1350, 1357, 1365, 1372, 1380, 1387, 1394, 1401, 1408, 1415, 1422, 1429, 1436, 1443, 1450, 1457, 1464, 1471, 1478, 1485, 1489, 1500, 1502, 1504, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1541, 1587, 1596, 1623, 1624, 1638, 1641, 1644, 1647, 1650, 1653, 1656, 1659, 1662, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1812, 1813, 1819, 1834, 1835, 1840, 1841, 1844, 1847, 1850, 1853, 1856, 1859, 1863, 1864, 1872, 1890, 1891, 1897, 1904, 1907, 1912, 1913, 1932, 1933, 1934, 1935, 1939, 1940, 1941, 1955, 1956, 1957, 1958, 1973, 1974, 1989, 1990, 1991, 1992, 2009, 2010, 2024, 2033, 2034, 2035, 2036, 2043, 2044, 2048, 2053, 2056, 2061, 2064, 2078, 2079, 2080, 2081, 2104, 2105, 2115, 2125, 2137, 2155, 2173, 2194, 2196, 2207, 2211, 2220, 2221, 2225, 2237, 2242, 2246, 2250, 2251, 2255, 2260, 2261, 2262, 2263, 2283, 2285, 2307, 2315, 2323, 2324, 2333, 2334, 2340, 2343, 2353, 2374, 2389, 2407, 2427, 2440, 2443, 2469, 2481, 2509, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2658, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2772, 2789, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2820, 2828, 2836, 2844, 2852, 2860, 2868, 2875, 2882, 2954, 3067, 3085, 3091, 3097, 3115, 3116, 3124, 3219, 3220, 3527, 3537, 3559, 3566, 3579, 3584, 3585, 3586, 3590, 3595, 3596, 3597, 3598, 3607, 3618, 3619, 3620, 3624, 3626, 3630, 3631, 3633, 3634, 3638, 3640, 3644, 3645, 3646, 3766, 3782, 3797, 3813, 3829, 3838, 3847, 3856, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3931, 3936, 3958, 3972, 3984, 3989, 3990, 3993, 3995, 3996, 4008, 4012, 4014, 4015, 4017, 4020, 4022, 4028, 4031, 4034, 4038, 4043, 4059,

4073, 4085, 4090, 4091, 4094, 4096, 4097, 4109, 4113, 4115, 4116, 4118, 4124, 4125, 4127, 4132, 4139, 4145, 4163, 4164, 4165, 4166, 4167, 4168, 4175, 4176, 4179, 4180, 4183, 4184, 4186, 4187, 4199, 4262, 4276, 4283, 4333, 4334, 4336, 4675, 4676, 4881, 4898, 5062, 5136, 5155, 5182, 5207, 5225, 5243, 5244, 5249, 5269, 5270, 5369, 5496, 5497, 5498, 5499, 5500, 5501, 5502, 5503, 5504, 5505, 5506, 5507, 5509, 5518, 5519, 5520, 5522, 5523, 5524, 5530, 5531, 5532, 5534, 5535, 5536, 5762, 5764, 5765, 5766, 5772, 5796, 5797, 5817, 5828, 5849, 5858, 5865, 5872, 5887
\figureautorefname 1517
\figurename 1344, 3904
\finishsetclass 1594, 1598
\firstarticle . . 4777, 4801, 4802, 4804
\FirstFrameCommand 1499
\firstimage 4874, 4887, 4888, 4890
\firstTextFormat 4535, 4537
\firstTitleFormat . . 4523, 4529, 4530
\float@box 2112, 2122
\float@endH 2111, 2121
\floatsep 3863, 3867, 3868
\flushright 4523, 4542, 4561
\font 3575
\font@name 4302, 4304, 4308, 4310, 4314, 4316
\fontencoding . . 3170, 3196, 3242, 3276, 3300, 3348, 3372, 3396, 3420, 3444, 3468
\fontfamily 3171, 3195, 3243, 3275, 3299, 3314, 3317, 3320, 3323, 3326, 3329, 3349, 3373, 3397, 3421, 3445, 3469
\fontsize 3499, 3513
\fontspec . 2139, 2457, 3166, 3190, 3239, 3270, 3294, 3344, 3368, 3392, 3416, 3440, 3464, 5413, 5447, 5462
\foot 4518
\footins 3861
\footnote 4615
\footnoteautorefname 1515
\footnoterule 4614
\footnotesep 3860, 4330, 4332
\footnotesize . 113, 115, 117, 1318, 1319, 1320, 1489, 1491, 1493, 3700, 3701, 4443, 4444, 4478, 4511, 4576, 4600, 4601, 4613
\foottextfont 1318
\FrameCommand 1497
\FrameRestore 1505
\Frefchapname . . . 1329, 1398, 1400
\frefchapname 1396
\Frefenumname . . . 1330, 1405, 1407
\frefenumname 1403
\Frefeqname 1337, 1412, 1414
\frefeqname 1410
\Freffigname 1344, 1377, 1419, 1421
\freffigname 1417
\Freffigshortname . . 1375, 1468, 1470
\freffigshortname 1466
\Freffnname 1345, 1426, 1428
\freffnname 1424
\Frefonname 1352, 1433, 1435
\frefonname 1431
\Frefpgname 1359, 1384, 1440, 1442
\frefpgname 1438
\Frefpgshortname 1382, 1475, 1477
\frefpgshortname 1473
\Frefsecname 1360, 1447, 1449
\frefsecname 1445
\Frefseename 1367, 1454, 1456
\frefseename 1452
\Freftabname 1374, 1461, 1463
\freftabname 1459
\Freftabshortname . . 1389, 1482, 1484
\freftabshortname 1480
\frenchspacing 2136, 2444
\frontmatter 15, 124, 135, 153, 1306, 2657
\futurelet . 2379, 4256, 5475, 5480

G

\g 3170, 3176, 3196, 3242, 3248, 3276, 3300, 3348, 3354, 3372, 3378, 3396, 3402, 3420, 3426, 3444, 3450, 3468, 3474, 5275, 5413,

5416, 5417, 5418, 5419, 5447, 5449, 5462, 5464
\g@addto@macro . 2632, 2634, 2688, 2690, 2740, 2742, 5623
\G@refundefinedtrue 3561
\gdef 43, 49, 55, 61, 131, 132, 142, 143, 149, 150, 161, 162, 1304, 1314, 1315, 1326, 1327, 1535, 1536, 1552, 1554, 1758, 1759, 2508, 2580, 2581, 2587, 2588, 2594, 2595, 2602, 2603, 2629, 2684, 2685, 2736, 2737, 4456, 4726, 4727, 4728, 5475, 5589, 5591, 5609, 5611, 5613, 5619, 5620, 5636, 5661, 5662, 5676, 5695, 5697, 5702, 5713
\get@cdp 5284
\getanddefine@fonts 4301, 4307, 4313, 5231, 5255
\Gin@boolkey 2464
\glb@currsize 5412
\global 73, 74, 168, 178, 179, 180, 181, 182, 183, 184, 185, 193, 1869, 1873, 2193, 2282, 4635, 4636, 4637, 4638, 4639, 4640, 4641, 4642, 4643, 4644, 5237, 5263
\globaldefs 5232, 5256
\glsaddprotectedpagefmt . 1510, 1511, 1512
\goodbreak 5213
\grid 4417, 4421, 4683
\Grot@x 2472, 2473, 2474, 2475
\Grot@y 2476, 2477, 2478, 2479, 2480, 2481
\group 2457
\group@elt 5283
\group@list 5283
\grp@aligned 184
\GRP@box 179
\grp@eqs@numbered 183
\grp@hasNumber 188
\GRP@label 180
\grp@linewidth 182
\GRP@queue 179
\grp@setnumber 188
\grp@shiftnumber 185
\grp@wdL 181
\grp@wdNum 182
\grp@wdR 181
\grp@wdT 181

H

\harfi 1219, 1237, 1242, 1752, 2638, 2694, 2746, 3937
\harfinumeral 3938
\hbox . 2020, 2775, 2779, 3560, 3901, 3902
\headDateTimeFormat . 4482, 4484
\headerfont 5589
\headheight 4716
\heading 4505
\headrulewidth 4717, 4773
\headtoname 3921
\height 2476, 2477
\hfil . 2016, 2017, 2018, 2019, 2051, 2052, 2053, 2059, 2060, 2061
\hline 5166, 5630, 5631, 5634, 5635, 5655, 5656
\hrule 1581, 5049, 5055, 5102, 5108, 5153, 5193
\hrulefill 4731, 4736, 4750
\hsize 1505, 1877, 1893, 1918, 1919, 2117, 2127
\hskip 1585, 2018, 2019, 2061
\hspace 4484, 4502, 4731, 4737, 4749, 4751, 4929
\hss 1905, 3881
\Huge . . 3747, 3748, 4454, 4523, 4579
\huge 3741, 3742, 4453
\Hy@AlphNoErr 1552, 1554
\Hy@appendixstring . . 1537, 1556
\Hy@backout 69, 77
\Hy@chapapp 1537, 1556
\HyOrg@appendix 1532, 1538
\HyOrg@resets@pp 1549, 1557
\hyper@natlinkbreak . 2215, 2246
\hyper@natlinkstart 77

I

\if 169, 188, 1830, 1836, 1842, 1845, 1848, 1851, 1854, 1857, 1860, 1891, 1898, 1899, 1900, 1901, 1913, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1953, 1954, 1955, 1956, 1957, 1958, 1960, 1961, 1962, 1963, 1964, 1967, 1968, 1969, 1970, 1971, 1972, 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2003, 2004, 2005, 2006,

2007, 2008, 2031, 2032, 2033, 2034, 2035, 2036, 2038, 2039, 2040, 2041, 2042, 2043, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2091, 2092, 2093, 2094, 2095, 2098, 2099, 2100, 2101, 2102, 2103, 2198, 2228, 2246, 2256, 2262, 2263, 2324, 2340, 2372, 2392, 2398, 2400, 2410, 2418, 2420, 2442, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481
\if@@textdigitfont@on 3219, 3220, 3610
\if@bidi@algorithmicloaded@ 1636
\if@bidi@algorithmloaded@ 1639
\if@bidi@backrefloaded@ . . 1642
\if@bidi@csdef 1669
\if@bidi@csprimitive 1667
\if@bidi@csundef 3207, 3895, 4150, 4201
\if@bidi@enumerateloaded@ 1645
\if@bidi@enumitemloaded@ . 1648
\if@bidi@fancyrefloaded@ . 1651
\if@bidi@tocloftloaded@ . . 1654
\if@bidi@urlloaded@ 1657
\if@bidi@variorefloaded@ . 1660
\if@chapter@pp 28
\if@extrafootnotefeatures 4280
\if@filesw 3559
\if@hboxRconstruct . . 1890, 1912
\if@inlabel 168
\if@Kashida@on 1576, 1578
\if@LTRbibitems 4197
\if@newlist 2137
\if@nonlatin 2768, 3219, 3220, 5530, 5531, 5532, 5534, 5535, 5536
\if@noskipsec 167
\if@pboxsw 1907
\if@RTL 2, 3, 5, 7, 63, 121, 165, 177, 190, 1331, 1338, 1346, 1353, 1361, 1368, 1376, 1383, 1390, 1397, 1404, 1411, 1418, 1425, 1432, 1439, 1446, 1453, 1460, 1467, 1474, 1481, 1500, 1502, 1504, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1623, 1624, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1891, 1913, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2815, 2823, 2831, 2839, 2847, 2855, 2863, 2871, 2882, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922
\if@RTL@footnote 1318, 1489
\if@RTLmain 3566
\if@RTLtab 1932, 1933, 1934, 1935, 1955, 1956, 1957, 1958, 1989, 1990, 1991, 1992, 2033, 2034, 2035, 2036, 2078, 2079, 2080, 2081
\if@tempswa 2315, 3766, 3782, 3797, 3813, 3829, 3838, 3847, 3856
\if@twoside 2658
\if@xepersian@@computeautoilg 2886, 4320
\if@xepersian@banner . 2885, 3064
\ifadl@usingarypkg 1977
\ifBR@verbose 66
\ifcase 2015, 2046, 2050, 2054, 2058, 2197, 2227, 2320, 3925, 3934, 3962, 4025, 4031, 4034, 4037, 4041, 4063, 4130, 4135, 4142, 4174, 4178, 4182, 4186, 4271, 5880
\ifdim . 198, 3081, 3087, 3093, 3576, 3577, 3581, 3582, 3587, 3588, 3592, 3593, 3602, 3618, 3619, 3620, 3626, 3633, 3634, 3640, 4326, 4330, 4663, 5148
\iffontchar 3575, 5362
\ifhmode 1814
\ifHy@implicit 1530
\ifinner 1820
\IfLTXAtLeastTF . 2631, 2687, 2739
\ifmmode 1902, 5227, 5251
\ifNAT@full 2195, 2284
\ifNAT@longnames 2191, 2280
\ifNAT@numbers 2144, 2351
\ifNAT@super 2145
\ifNAT@swa . 2197, 2262, 2286, 2338
\ifnum . . . 86, 199, 1861, 1928, 1929, 1945, 1946, 1947, 1948, 1950,

1979, 1980, 1981, 1982, 1984, 2029, 2030, 2068, 2069, 2070, 2071, 2073, 2509, 2785, 3120, 3600, 3952, 3954, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3987, 3989, 3991, 3993, 3995, 4000, 4011, 4012, 4014, 4016, 4017, 4020, 4053, 4055, 4064, 4065, 4066, 4067, 4068, 4069, 4070, 4071, 4088, 4090, 4092, 4094, 4096, 4101, 4112, 4113, 4115, 4117, 4118, 4120, 4125, 4152, 4154, 4156, 4158, 4160, 4162, 4176, 4180, 4184, 4187, 5060, 5134, 5180, 5205, 5228, 5252, 5758, 5762, 5790, 5796, 5817, 5844, 5848, 5853, 5857, 5859, 5868
\ifodd 1831, 1837, 5751, 5756
\ifRtoL 91
\Ifstr 2608, 2663, 2715
\ifthenelse 4403, 4415, 4424, 4528, 4543, 4562, 4583, 4701, 4779, 4780, 4810, 4842, 4856, 4876, 4894, 4918, 4948, 4972, 4999, 5028, 5033, 5038, 5043, 5048, 5081, 5086, 5091, 5096, 5101, 5637
\ifvoid 3525, 3535
\ifwritexviii 2940, 3119
\ifx . . 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1594, 1807, 1810, 1894, 2114, 2124, 2201, 2202, 2204, 2231, 2232, 2234, 2303, 2321, 2381, 2430, 2469, 2636, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2692, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2744, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 3102, 3110, 3219, 3220, 4258, 5225, 5249, 5483, 5484, 5485, 5486, 5487, 5488, 5489, 5490, 5491, 5492, 5493, 5494, 5509, 5518, 5519, 5520, 5522, 5523, 5524, 5530, 5531, 5532, 5534, 5535, 5536
\ifXePersian@kabiseh . 5719, 5824
\ifXePersian@leap . . . 5719, 5768
\IfxepersianPackageVersion 3092
\IfxepersianPackageVersionBefore 3086
\IfxepersianPackageVersionLater 3080
\ifxetex 4656, 4879, 4896
\ignorespaces 202, 2119, 2129, 3162, 3186, 3228, 3235, 3340, 3364, 3388, 3412, 3436, 3460, 4474, 4527, 4537, 4542, 4550, 4555, 4561, 4569, 4829, 4855, 5004
\image 4651
\immediate 2946, 2947, 3559
\includegraphics 4666, 4880, 4897
\indexEntryFormat . . . 4472, 4474
\indexEntryPageFormat 4478, 4480
\indexEntryPageTxt . . 4477, 4480
\indexEntrySeparator . 4476, 5004
\indexFormat 4468, 4470
\indexitem . 4997, 5007, 5008, 5010
\indexname 3910
\init@restore@version 5234, 5282
\innerAuthorFormat . . 4600, 5117
\innerPlaceFormat . . . 4601, 5117
\innerSubtitleFormat . 4590, 4591
\innerTextFinalMark . 4602, 5138
\innerTitleFormat . . 4579, 4584, 4585
\input 1683, 1684, 1685, 1686, 1687, 1688, 1689, 2926, 2933, 4205, 4206, 4207, 4208, 4209, 4210, 4211, 4212, 4213, 4214, 4215, 4216, 4217, 4218, 4219, 4220, 4221, 4222, 4223, 4224, 4225, 4226, 4227, 4228, 4229, 4230, 4231, 4232, 4233, 4234, 4235, 4236, 4237, 4238, 4239, 4240, 4241, 4242, 4243, 4244, 4245, 4246, 4247, 4248, 4249, 4250, 4251, 4281, 4282
\insert@column . 2017, 2018, 2019, 2020, 2022, 2023
\int . . 5307, 5310, 5318, 5326, 5334, 5342, 5554, 5567
\intermath@penalty 201
\intextsep 3867

\iranicdefault . 3308, 3320, 3465, 3473
\iranicfamily .. 3318, 3319, 3332, 3466
\item 5663, 5664, 5665, 5666
\itemautorefname 1516
\itemsep .. 3765, 3781, 3796, 3812, 3828
\itshape 4195, 5675

J

\jobname 2948, 2949

K

\KashidaOff 1619
\KashidaOn 1618, 1621
\kern 2149, 3526, 3536, 3902
\keys . 2891, 2902, 2909, 2916, 2923, 2930, 2957, 2964, 2978, 2982, 2986, 2990, 2994, 2998, 3002, 3006, 3013, 3026, 3129, 3136, 3144, 3151
\keyval@eq@alias@key . 1675, 1679
\KOMAClassName . 2609, 2632, 2664, 2688, 2716, 2740

L

\l 3131, 3132, 3133, 3140, 3146, 3147, 3148, 3155, 3166, 3167, 3171, 3190, 3195, 3239, 3243, 3344, 3345, 3349, 3368, 3369, 3373, 3392, 3393, 3397, 3416, 3417, 3421, 3440, 3441, 3445, 3464, 3465, 3469, 5365, 5372, 5376, 5377, 5384, 5385, 5392, 5393
\label 5133, 5179, 5203
\labelsep . 3809, 3824, 3837, 3846, 3855
\labelwidth 3809, 3824, 3837, 3846, 3855
\LARGE 3735, 3736, 4452, 4539, 4603, 4606, 4619, 4621
\Large 3729, 3730, 4451, 4558, 4608, 4735, 5018, 5052
\large 3723, 3724, 4450, 4462, 4468, 4548, 4567, 4590, 4610, 4623, 4629, 4741
\lastbox 3524, 3534
\LastFrameCommand 1503
\lastpenalty 199
\lastskip 198
\latin 3520, 3522
\LatinAlphs 3520, 3540, 4191
\Latincite 2347, 3552
\latinfont . 2980, 3240, 3496, 3498
\latintoday 3543
\lccode 2366, 2367, 2368, 2507
\leaders 1581
\leavevmode . 167, 168, 1888, 1910, 2137, 3554, 3901
\leftmargin 3762, 3778, 3793, 3808, 3809, 3823, 3824, 3836, 3837, 3845, 3846, 3854, 3855
\leftmargini 3762, 3778, 3793
\leftmarginii 3808
\leftmarginiii 3823
\leftmarginiv 3836
\leftmarginv 3845
\leftmarginvi 3854
\let ... 11, 19, 73, 74, 178, 180, 183, 184, 185, 191, 196, 1227, 1228, 1229, 1230, 1532, 1543, 1544, 1549, 1564, 1594, 1596, 1669, 1671, 1672, 1881, 1882, 1883, 1884, 1885, 1886, 1905, 1922, 1923, 1924, 1925, 1994, 1995, 1996, 2038, 2039, 2040, 2108, 2111, 2112, 2121, 2122, 2141, 2145, 2147, 2148, 2151, 2152, 2153, 2154, 2156, 2157, 2158, 2159, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2180, 2189, 2192, 2195, 2196, 2269, 2278, 2281, 2284, 2285, 2293, 2348, 2373, 2384, 2391, 2397, 2401, 2402, 2417, 2419, 2439, 2448, 2466, 2468, 2636, 2692, 2744, 2765, 2784, 2969, 2970, 2974, 2975, 3219, 3220, 3483, 3484, 3496, 3497, 3501, 3502, 3505, 3506, 3507, 3508, 3510, 3511, 3515, 3516, 3542, 3555, 3673, 3690, 3707, 3768, 3933, 3938, 3945, 4051, 4171, 4189, 4190, 4192, 4193, 4613, 4614, 4615, 4635, 4636, 4637, 4638, 4639, 4640, 4641, 4642, 4643, 4644, 5223, 5239, 5265, 5412, 5543, 5547, 5592, 5681, 5682, 5683, 5684, 5688, 5689, 5690, 5691,

5703, 5704, 5877, 5878, 5879
\lineskip 4624
\linespread 3605
\linewidth . 5629, 5633, 5648, 5708
\listalgorithmname 7
\listfigurename 3907
\listtablename 3908
\LoadClass 4396
\logo 4729, 4758
\long . 1887, 2508, 4255, 4257, 4263, 4266
\longdate 5113
\loop 3574, 5845, 5854
\lower 3901
\lowercase 2369, 2508
\lr . . 1543, 2180, 2269, 3518, 3543, 3556, 4456, 4511, 4903
\LRE 3518
\lstlistingname 1623
\lstlistlistingname 1624
\LTR 3520
\LTRfoottextfont 1319
\ltx@IfUndefined 1534, 1547, 1551

M

\m@ne 2297, 5230, 5254
\m@th 1907
\makeform 5685, 5692
\makeform@correction . 5600, 5692
\makeform@nocorrection . . 5597, 5685
\MakeFramed 1505
\MakeLowercase . 1400, 1407, 1414, 1421, 1428, 1435, 1442, 1449, 1456, 1463, 1470, 1477, 1484
\makemask 5686, 5693
\makemask@correction . 5605, 5693
\makemask@nocorrection . . 5602, 5686
\maketitle 4612, 4636
\MakeUppercase 4578
\makezwnjletter 1665, 1666
\math@bgroup 5225, 5249
\math@fonts 5232, 5256
\math@version . . 5228, 5231, 5236, 5237, 5241, 5252, 5255, 5259, 5261, 5263, 5267
\mathalpha 5422, 5423, 5424, 5425, 5426, 5427, 5428, 5429, 5430, 5431, 5555, 5568
\mathbf 5302, 5434, 5559, 5572
\mathbin 5432, 5557, 5570
\mathchar@type . . 5289, 5298, 5300
\mathchardef 5472
\mathcode . 5311, 5319, 5327, 5335, 5343, 5508
\MathDecimalSeparator 5481, 5509, 5551, 5558, 5571
\mathgroup 5222
\mathiranic 3319
\mathit 5303, 5435, 5560, 5573
\mathnavar 3322
\mathord 5433
\mathpersiansf 3313
\mathpersiantt 3316
\mathpook 3325
\mathrm 5304, 5436, 5561, 5574
\mathsayeh 3328
\mathsf 5305, 5451, 5562, 5575
\mathsurround 195
\mathtt 5306, 5466, 5563, 5576
\mbox 2151
\meaning 3105, 3108
\MessageBreak . . 2206, 2207, 2236, 2237, 2611, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2666, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2718, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 4202, 4801, 4833, 4867, 4887, 4908, 4911, 4933, 4958, 4984, 5007, 5010, 5641
\MidFrameCommand 1501
\minilogo 4740, 4954
\minraggedcols . 4379, 4380, 4418, 4422, 5060, 5134, 5180, 5205
\mlftitle 1767
\mlttitle 1768
\month 5745
\msg 5349, 5351
\mtctitle 1766
\multido 4702, 4708
\multiply . 1867, 5748, 5761, 5788, 5794, 5811, 5815
\mylogo 4745

N

\NAT@@close 2263, 2342

\NAT@@Latin@@citetp 2350, 2354, 2355, 2356
\NAT@@open 2246, 2322
\NAT@alias . 2224, 2254, 2289, 2332
\NAT@all@names . 2192, 2195, 2281, 2284
\NAT@aysep 2216
\NAT@biblabel 2167
\NAT@biblabelnum 2158
\NAT@bibsetnum 2159
\NAT@bibsetup 2168
\NAT@cite 2164
\NAT@cite@list 2181, 2270
\NAT@citea@mbox 2315
\NAT@citenum 2152
\NAT@citesuper 2145
\NAT@citeundefined . . 2186, 2276
\NAT@citex 2165
\NAT@citexnum 2156
\NAT@close 2160, 2171
\NAT@cmprs 2291, 2337
\NAT@cmt 2262, 2340
\NAT@ctype 2197, 2227, 2287, 2289, 2320, 2328, 2330, 2339, 2348
\NAT@date . 2171, 2188, 2198, 2199, 2210, 2218, 2223, 2228, 2241, 2248, 2253, 2256, 2263
\NAT@def@citea . . 2225, 2257, 2318
\NAT@def@citea@box 2326
\NAT@def@citea@close 2259
\NAT@exlab . 2204, 2208, 2234, 2238
\NAT@fullfalse 2349
\NAT@fulltrue 2349
\NAT@hyper@ 2199, 2208, 2210, 2213, 2222, 2223, 2224, 2229, 2238, 2241, 2244, 2252, 2253, 2254, 2289, 2325
\NAT@hyper@citea@space . . 2328, 2330, 2332
\NAT@idxtxt 2160, 2171
\NAT@ifcat@num 2292, 2295
\NAT@last@nm 2189, 2201, 2231, 2278, 2321
\NAT@last@num . . 2278, 2295, 2296, 2314
\NAT@last@yr 2189, 2202, 2232, 2269, 2303, 2337
\NAT@last@yr@mbox . . . 2299, 2309
\NAT@Latin@cites 2349, 2350
\NAT@Latin@citex 2166, 2174, 2175
\NAT@Latin@citexnum 2157, 2264, 2265
\NAT@mbox . 2146, 2151, 2322, 2325, 2342
\NAT@merge 2299, 2314
\NAT@name . 2160, 2171, 2192, 2196, 2281, 2285
\NAT@nm 2180, 2189, 2195, 2196, 2199, 2201, 2214, 2222, 2229, 2231, 2245, 2252, 2269, 2278, 2284, 2285, 2293, 2294, 2298, 2302, 2321
\NAT@nmfmt 2199, 2214, 2222, 2229, 2245, 2252
\NAT@num . . 2160, 2269, 2278, 2292, 2293, 2314, 2325
\NAT@open 2160, 2171
\NAT@parse 2190, 2279
\NAT@partrue 2348
\NAT@penalty 2162, 2170, 2306, 2321
\NAT@reset@citea 2179, 2268
\NAT@reset@parser . . . 2177, 2266
\NAT@set@cites 2143, 2346
\NAT@sort@cites 2178, 2267
\NAT@space . 2148, 2153, 2169, 2321
\NAT@spacechar . 2153, 2160, 2169, 2171, 2209, 2216, 2240, 2246, 2322, 2324
\NAT@super@kern . 2149, 2154, 2322
\NAT@swafalse 2352
\NAT@swatrue 2348
\NAT@temp . . 2203, 2204, 2233, 2234
\NAT@test . . 2289, 2322, 2328, 2330
\NAT@year . . 2180, 2189, 2202, 2232
\NAT@yrsep 2201, 2231, 2321
\natexlab 2161, 2172
\navardefault . . 3309, 3323, 3393, 3401
\navarfamily 3321, 3322, 3333, 3394
\NeedsTeXFormat 2877, 4350, 5219, 5579, 5716
\new@mathalphabet 5285
\new@mathbf 5308, 5434, 5572
\new@mathgroup . . 5222, 5223, 5278
\new@mathit 5316, 5435, 5573
\new@mathrm 5324, 5436, 5574
\new@mathsf 5332, 5451, 5575
\new@mathtt 5340, 5466, 5576
\new@mathversion 5283
\new@symbolfont 5284

\newboolean 4361, 4363, 4365, 4367, 4369, 4371, 4373
\newcolumntype 5593, 5594
\newcommand . 90, 1618, 1619, 1665, 1667, 1668, 1670, 1675, 1679, 2174, 2264, 2350, 2355, 2791, 2882, 3078, 3080, 3086, 3092, 3219, 3220, 3306, 3307, 3308, 3309, 3310, 3311, 3572, 3612, 3613, 3617, 3649, 3889, 3894, 3939, 3942, 4045, 4048, 4294, 4358, 4413, 4457, 4458, 4461, 4462, 4463, 4468, 4469, 4472, 4473, 4476, 4477, 4478, 4479, 4482, 4483, 4487, 4488, 4491, 4492, 4493, 4494, 4497, 4500, 4505, 4510, 4513, 4515, 4518, 4523, 4524, 4535, 4536, 4539, 4540, 4548, 4549, 4552, 4553, 4558, 4559, 4567, 4568, 4570, 4571, 4572, 4573, 4576, 4577, 4579, 4580, 4590, 4591, 4592, 4593, 4594, 4595, 4600, 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4646, 4651, 4683, 4715, 4729, 4740, 4745, 4753, 4777, 4808, 4840, 4874, 4893, 4997, 5015, 5022, 5064, 5072, 5115, 5121, 5141, 5158, 5187, 5212, 5296, 5297, 5299, 5589, 5591, 5597, 5600, 5602, 5605, 5609, 5611, 5613, 5661, 5662, 5667, 5671, 5676, 5695, 5697, 5873
\newcount . 3568, 4375, 4376, 4379, 4681, 4682, 5720, 5721, 5722, 5723, 5724, 5725, 5726, 5727, 5728, 5729, 5730, 5731, 5732, 5733, 5735, 5736, 5737, 5738, 5739, 5740, 5741, 5742
\newcounter 5614, 5615
\newdimen . . 3569, 3570, 4679, 4680
\NewDocumentCommand 3261, 3285, 5308, 5316, 5324, 5332, 5340, 5553, 5566
\newenvironment 1668, 2360, 2361, 3522, 3532, 3540, 3541, 4648, 4754, 4916, 4946, 4970, 5124, 5173, 5199, 5643, 5677
\newfam 5223
\newfontface 2766
\newfontlanguage 3126
\newfontscript 3125
\newif 1576, 2885, 2886, 3119, 3610, 5719
\newlength 4353, 4354, 4355, 4356, 4357, 4359, 5607, 5698, 5700
\newmathalphabet 5279
\newmathalphabet@@ 5279
\newmathalphabet@@@ 5279
\newpage 2945, 4764
\newsavebox 4647
\newsection 5121
\newtoks 4253
\next . 1594, 1596, 1597, 2373, 2374, 2375, 2379, 2381, 2384, 2388, 2389, 2391, 2397, 2402, 2406, 2408, 2417, 2419, 2425, 2428, 2432, 2439, 2441
\nobreak 1580, 2146
\noexpand . 2372, 2392, 2398, 2400, 2410, 2418, 2420, 2432, 2433, 2442, 3667, 3673, 3684, 3690, 3701, 3707, 3712, 3718, 3724, 3730, 3736, 3742, 3748, 3766, 3782, 3797, 3813, 3829, 3838, 3847, 3856, 5235
\nohyphens . 4529, 4544, 4563, 4584
\noindent . 4474, 4489, 4527, 4537, 4542, 4550, 4555, 4561, 4569, 4574, 4578, 4582, 4731, 4748, 4829, 4855, 4880, 4927, 5004, 5018, 5052, 5067, 5105, 5162, 5190, 5215, 5217
\non@alpherr 5244, 5270
\nopagebreak 5709
\normalcolor 1875, 2116, 2126
\normalfont 3178, 3250, 3356, 3380, 3404, 3428, 3452, 3476, 3496, 3497, 3510, 3511
\normalsize 3548, 3666, 3667, 3751, 4425, 4426, 4472, 5067, 5105
\not 5621
\not@math@alphabet . 3313, 3316, 3319, 3322, 3325, 3328
\null 4616, 4632
\number 3952, 3954, 3955, 4053, 4055, 4056, 4156, 4158, 4160, 4162, 5236, 5260, 5874, 5875
\numexpr . . 5311, 5319, 5327, 5335,

5343

O

\obeyspaces 5475, 5480
\old@endquestion 5704, 5712
\old@question 5703, 5710
\or . . 2017, 2018, 2019, 2021, 2022, 2046, 2047, 2048, 2052, 2053, 2054, 2055, 2056, 2060, 2061, 2222, 2223, 2224, 2252, 2253, 2254, 2327, 2329, 2331, 3925, 3926, 3927, 3928, 3929, 3930, 3934, 3935, 3936, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3986, 4025, 4026, 4027, 4028, 4031, 4034, 4037, 4038, 4041, 4042, 4043, 4074, 4075, 4076, 4077, 4078, 4079, 4080, 4081, 4082, 4083, 4087, 4130, 4131, 4132, 4135, 4136, 4137, 4138, 4139, 4142, 4143, 4144, 4145, 4174, 4175, 4178, 4179, 4182, 4183, 4186, 4274, 5880, 5881, 5882, 5883, 5884, 5885, 5886
\orig . 5302, 5303, 5304, 5305, 5306, 5309, 5317, 5325, 5333, 5341, 5551, 5559, 5560, 5561, 5562, 5563, 5571
\originaltoday 3542, 3543
\Ovalbox 5044, 5097
\ovalbox 5039, 5092
\overline 5494

P

\p@ . . 2149, 3618, 3619, 3620, 3621, 3623, 3626, 3627, 3629, 3633, 3634, 3635, 3637, 3640, 3641, 3652, 3655, 3817, 4617
\PackageError . . 1637, 1640, 1643, 1646, 1649, 1652, 1655, 1658, 1661, 2942, 2952, 3896, 3947, 4202
\PackageInfo . . . 67, 79, 3603, 3604, 4327, 4328, 5296
\PackageWarning . 2187, 2276, 4148
\PackageWarningNoLine 2204, 2234
\page@free 4661, 4663
\pageautorefname 1529
\pagegoal 5143
\pagename 1359, 3920
\pagenumbering . 15, 127, 138, 156, 1309, 1751, 2659
\pageref . . 2857, 2859, 2865, 2867, 4502, 5000
\pagesFormat 4576, 4578
\pagestyle 4719
\pagetotal 5144
\par . . . 10, 17, 24, 40, 46, 52, 58, 128, 139, 146, 158, 816, 1301, 1311, 1323, 1563, 1755, 2577, 2584, 2591, 2599, 2626, 2681, 2733, 4619, 4621, 4627, 4629, 4630, 5119, 5204, 5649, 5709
\paragraphautorefname 1525
\parallel 4484
\parbox 5648, 5708
\parindent 3526, 3536
\parsep 3753, 3764, 3765, 3769, 3780, 3781, 3784, 3795, 3796, 3799, 3811, 3812, 3826
\partautorefname 1519
\partname 3913
\partopsep 3817, 3827, 3876
\PassOptionsToClass 4381, 4382, 4383
\PassOptionsToPackage 2888, 2896, 2899
\pbs 5592, 5593
\pdfstringdefDisableCommands 1542
\penalty 195, 201, 2162, 3557
\persian 3530, 3532
\PersianAlphs . . 2968, 2973, 3530, 3541, 4349
\persianday 86, 5879
\persiandecimalseparator 5433, 5509
\PersianDisplayMathDigits 2921, 5521, 5527
\persianfont 3168, 3510, 3512
\PersianInlineMathDigits 2914, 5517, 5526
\PersianMathDigits . . 2907, 5525
\persianmathdigits . 5421, 5518, 5522, 5530, 5534
\persianmathsfdigits 5451, 5519, 5523, 5531, 5535
\persianmathttdigits 5466, 5520, 5524, 5532, 5536

\persianmonth 86, 5878
\persiansfdefault . . 3306, 3314, 3345, 3353
\persiansffamily 3312, 3313, 3330, 3346
\persiantoday 3544, 5873
\persianttdefault . . 3307, 3317, 3369, 3377
\persianttfamily 3315, 3316, 3331, 3370
\persianyear 86, 5877
\pictureCaptionFormat 4572, 4574
\plftitle 1764
\plq 3099
\plttitle 1765
\pookdefault 3310, 3326, 3417, 3425
\pookfamily 3324, 3325, 3334, 3418
\postmath 201
\PrefixCurrentTab 2791
\premath 197
\prepnext@tok 2014, 2024
\prg 5363, 5366, 5368
\printindex 2945
\process@table 5282
\ProcessKeyOptions 3037
\ProcessOptions 4395, 5715
\proofname 3922
\protect . . 4801, 4802, 4804, 4833, 4834, 4836, 4867, 4868, 4870, 4887, 4888, 4890, 4908, 4909, 4911, 5007, 5008, 5010, 5598, 5601, 5603, 5606, 5624, 5629, 5630, 5631, 5633, 5634, 5635, 5655, 5656
\providecommand 4147
\ProvidePersianTranslation 90, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108
\ProvidesClass 4351
\ProvidesFile 1, 4, 8, 14, 23, 38, 44, 50, 56, 62, 82, 89, 111, 120, 122, 133, 144, 152, 164, 204, 1157, 1217, 1234, 1245, 1288, 1299, 1305, 1317, 1321, 1328, 1487, 1495, 1509, 1513, 1560, 1567, 1622, 1625, 1664, 1749, 1762, 1772, 2142, 2505, 2575, 2582, 2589, 2597, 2605, 2656, 2712, 2764, 2782, 2802, 2813
\ProvidesPackage 2883, 5220, 5580, 5717
\providetranslation 91
\prq 3098
\ptctitle 1763

Q

\quad 3883
\question 5703
\questionsepspace . . 5700, 5701, 5713
\questionspace . . 5607, 5608, 5649
\questiontitle 5695, 5714
\questiontitlefont 5697
\questiontitlespace 5698, 5699, 5709

R

\raggedFormat . . 4413, 5061, 5135, 5181, 5206
\RaggedLeft 4413
\raisebox 4459, 4464
\redeflatinfont 3287
\redefpersianfont 3263
\ref 2872, 2874
\refname 121, 3911
\refstepcounter 5665, 5666
\reftextafter 2830
\reftextbefore 2838
\reftextcurrent 2846
\reftextfaceafter 2814
\reftextfacebefore 2822
\reftextfaraway 2854
\reftextlabelrange 2870
\reftextpagerange 2862
\reftextvario . . 2817, 2819, 2825, 2827, 2833, 2835, 2841, 2843, 2849, 2851
\relax . . 86, 1665, 1862, 1894, 2029, 2030, 2051, 2052, 2053, 2114, 2124, 2148, 2154, 2198, 2228, 2256, 2263, 2269, 2296, 2303, 2314, 2469, 2636, 2692, 2744, 2785, 2927, 2934, 3023, 3102, 3120, 3487, 3488, 3492, 3493, 3605, 3650, 3654, 3837, 3846, 3855, 4256, 4266, 4271, 4286, 4290, 4296, 4297, 4298, 4322, 4324, 4395, 4614, 4635, 4636,

4641, 4642, 4643, 4644, 5225, 5239, 5249, 5265, 5298, 5300, 5311, 5319, 5327, 5335, 5343, 5412, 5508, 5543, 5547, 5747, 5748, 5750, 5755, 5760, 5761, 5767, 5769, 5771, 5773, 5774, 5775, 5776, 5777, 5778, 5779, 5780, 5781, 5782, 5783, 5785, 5787, 5788, 5793, 5794, 5801, 5803, 5806, 5810, 5811, 5814, 5815, 5818, 5823, 5825, 5827, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5842, 5843, 5846, 5851, 5855, 5861, 5863, 5864
\renewcommand 9, 16, 24, 30, 31, 34, 39, 40, 45, 46, 51, 52, 57, 58, 85, 115, 117, 123, 124, 128, 134, 135, 139, 145, 146, 153, 157, 158, 1300, 1301, 1306, 1310, 1311, 1318, 1319, 1320, 1322, 1323, 1329, 1330, 1337, 1344, 1345, 1352, 1359, 1360, 1367, 1374, 1375, 1382, 1389, 1396, 1403, 1410, 1417, 1424, 1431, 1438, 1445, 1452, 1459, 1466, 1473, 1480, 1489, 1491, 1493, 1562, 1750, 1752, 1753, 1754, 1755, 2143, 2160, 2171, 2576, 2577, 2583, 2584, 2590, 2591, 2598, 2599, 2606, 2607, 2635, 2657, 2661, 2662, 2691, 2713, 2714, 2743, 2783, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2945, 3566, 3879, 3885, 4196, 4425, 4432, 4434, 4436, 4443, 4450, 4451, 4452, 4453, 4454, 4506, 4507, 4508, 4519, 4520, 4521, 4612, 4717, 4753, 4773, 5112, 5122, 5127, 5596
\RenewDocumentCommand 3266, 3290
\renewenvironment . . . 1496, 5705
\repeat 3600, 5848, 5857
\RequirePackage 3068, 3069, 3070, 3071, 4352, 4397, 4398, 4399, 4400, 4401, 4402, 4404, 4406, 4408, 4409, 4410, 4411, 4412, 5582, 5583, 5584, 5585, 5586, 5587
\reserved@a 1826, 1830, 1836, 1842, 1845, 1848, 1851, 1854, 1857, 1860
\reserved@b 1806, 1807
\reset@font 2186, 2275, 3497, 3511, 3546, 3560
\resetlatinfont . . 113, 115, 1318, 1319, 1489, 1491, 2774, 3482, 3518, 3520, 3540, 3547, 3566, 4198
\restore@mathversion 5282
\restoreapp 36
\rightline 5116
\rl 1544, 3519, 3544
\RLE 3519
\rmdefault 3167, 3175, 3247
\Roman 1225, 2643, 2699, 2751
\roman 1224, 2644, 2700, 2752
\romannumeral . . 2652, 2708, 2760, 5847, 5856, 5866
\RTL 3530
\RTLfoottextfont 1320
\rule . 4476, 4602, 4704, 4710, 4797, 4829

S

\sayehdefault . . 3311, 3329, 3441, 3449
\sayehfamily 3327, 3328, 3335, 3442
\scan 5365
\scriptsize 3711, 3712, 4434
\secondarticle . 4808, 4833, 4834, 4836
\secondSubtitleFormat 4548, 4550
\secondTextFormat . . . 4552, 4555
\secondTitleFormat . 4539, 4544, 4545
\section 3897
\sectionautorefname 1522
\sectionname 11, 1564
\select@group 5224
\selectfont 3172, 3197, 3220, 3244, 3277, 3301, 3314, 3317, 3320, 3323, 3326, 3329, 3350, 3374, 3398, 3422, 3446, 3470, 3500, 3514, 3606
\set@@mathdelimiter 5289
\set@fontsize . . . 4285, 4289, 4321
\set@mathaccent 5286
\set@mathchar 5286

\set@mathdelimiter 5288
\set@mathsymbol 5287
\setboolean 2792, 2793, 4362, 4364, 4366, 4368, 4370, 4372, 4374, 4390, 4391, 4393, 4394, 4756, 4774, 4919, 4944, 4973, 4995
\setbox 179, 1873, 1916, 2020, 2022, 2023, 2113, 2116, 2123, 2126, 2775, 2779, 3524, 3534
\setclass . 1590, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607
\setcounter 27, 29, 33, 41, 42, 47, 48, 53, 54, 59, 60, 129, 130, 140, 141, 147, 148, 159, 160, 1302, 1303, 1312, 1313, 1324, 1325, 1756, 1757, 2578, 2579, 2585, 2586, 2592, 2593, 2600, 2601, 2627, 2628, 2682, 2683, 2734, 2735, 2786, 2790, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 4634, 5618
\setdigitfont 3224
\SetDisplayMathDigits 5512, 5521, 5533, 5543, 5546
\SetEnumerateShortLabel . 1240, 1241, 1242, 1243, 1244
\setfontsize 3649, 4273, 4275
\SetInlineMathDigits 5511, 5517, 5529, 5542, 5547
\setiranicfont 3457
\setkeys 170, 187
\setlatinmonofont 3256
\setlatinsansfont 3255
\setlatintextfont . . . 3232, 4339
\setlength 1892, 1895, 1914, 3621, 3623, 3627, 3629, 3635, 3637, 3641, 3643, 3651, 3655, 3657, 3665, 3675, 3676, 3682, 3692, 3693, 3699, 3709, 3710, 3715, 3716, 3721, 3722, 3727, 3728, 3733, 3734, 3739, 3740, 3745, 3746, 3752, 3817, 3859, 3860, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 4360, 4392, 4427, 4428, 4429, 4430, 4438, 4439, 4440, 4441, 4445, 4446, 4447, 4448, 4653, 4657, 4698, 4699, 4716, 4721, 4722, 4846, 4878, 4950, 4975, 4978, 5026, 5027, 5075, 5076, 5142, 5143, 5159, 5608, 5699, 5701
\setLTRcitationfont 113
\SetMathAlphabet 5285
\SetMathAlphabet@ 5285
\SetMathCharDef 5299, 5433
\SetMathCode 5297, 5422, 5423, 5424, 5425, 5426, 5427, 5428, 5429, 5430, 5431, 5432, 5555, 5557, 5568, 5570
\setmathdigitfont 5406
\setmathsfdigitfont 5441
\setmathttdigitfont 5456
\setmonofont 3256
\setnavarfont 3385
\setpersianfont . 117, 1320, 1493, 2778, 3504, 3519, 3530, 3541, 3566
\setpersianmonofont 3361
\setpersiansansfont 3337
\setpookfont 3409
\setsansfont 3255
\setsayehfont 3433
\SetSymbolFont 5284
\SetSymbolFont@ 5284
\settextdigitfont 3183
\settextfont 3159, 4203
\setthesection 1752
\sf@size 4308, 4310
\sffamily 4457
\shadowbox 5029, 5082
\shadowsize 5027, 5076, 5080
\shortarticleitem 5212
\shortarticleItemTitleFormat 4610, 4611
\shortarticleSubtitleFormat 4608, 4609
\shortarticleTitleFormat 4606, 4607
\sixt@@n 1825, 1862
\skip 3861
\slftitle 1770
\slttitle 1771
\small 3683, 3684, 3898, 4436, 4437, 4491, 4495, 4501, 4572, 4594, 4613
\smash 3901
\SOUL@tt . . . 2765, 2767, 2775, 2779
\SOUL@tt@latin 2765, 2771
\SOUL@tt@nonlatin . . . 2766, 2769

\SOUL@ttwidth 2776, 2780
\space 2188, 2277, 2883, 3049, 3563, 3886, 3890, 4154, 4660, 4661, 4801, 4802, 4804, 4833, 4834, 4836, 4867, 4868, 4870, 4887, 4888, 4890, 4908, 4909, 4911, 5007, 5008, 5010, 5117, 5639, 5874, 5875
\ssf@size 4314, 4316
\stctitle 1769
\stepcounter . 26, 2788, 5614, 5627, 5658
\str . . 3175, 3247, 3353, 3377, 3401, 3425, 3449, 3473
\string . 67, 1951, 1985, 2074, 2443, 2611, 2612, 2615, 2617, 2619, 2621, 2622, 2623, 2666, 2667, 2670, 2672, 2674, 2676, 2677, 2678, 2718, 2719, 2722, 2724, 2726, 2728, 2729, 2730, 3559, 4302, 4304, 4308, 4310, 4314, 4316
\strip@pt . 3486, 3491, 3605, 3653, 4295
\subparagraphautorefname . 1526
\subsectionautorefname . . . 1523
\subsubsectionautorefname 1524
\SwitchToDefaultMathDigits 5553
\SwitchToPersianMathDigits 5566
\symnew@mathbf@font@digits 5311
\symnew@mathit@font@digits 5319
\symnew@mathrm@font@digits 5327
\symnew@mathsf@font@digits 5335
\symnew@mathtt@font@digits 5343

T

\tableautorefname 1518
\tablename 1374, 1391, 3905
\tabularxcolumn 5596
\tartibi . . 1221, 1235, 1240, 2640, 2696, 2748, 4045
\tartibinumeral 4051
\test 1593, 1594, 1595
\tex 5362, 5365
\textbf 2, 3, 1498, 1500, 1502, 1504, 5018, 5052, 5067, 5105
\textblockorigin 4678
\textdegree 4492
\TextDigitFontOff 3613
\TextDigitFontOn 3612, 3615
\textfloatsep 3865, 3869
\textheight 4685, 4710
\textiranic 3332
\textit 4603
\textnavar 3333
\textpersiansf 3330
\textpersiantt 3331
\textpook 3334
\textsayeh 3335
\textsc 4605
\textsf 3883
\textsuperscript 2146
\texttt 4462
\textwidth 1919, 4684, 4704, 5016, 5645
\tf@size 4302, 4304
\thanks 4615, 4635
\the . . 86, 166, 171, 1582, 1584, 1896, 2394, 2399, 2405, 2412, 2422, 2436, 3063, 3576, 3577, 3578, 3581, 3582, 3583, 3587, 3588, 3589, 3592, 3593, 3594, 3656, 3668, 3669, 3670, 3671, 3672, 3685, 3686, 3687, 3688, 3689, 3702, 3703, 3704, 3705, 3706, 3713, 3719, 3725, 3731, 3737, 3743, 3749, 3763, 3764, 3779, 3780, 3794, 3795, 3810, 3811, 3825, 3827, 4266, 4660, 4661, 5146, 5542, 5546, 5847, 5856, 5866
\the@choice 5617, 5639
\thebook 1753
\thechapter 20, 31, 132, 143, 150, 162, 1315, 1327, 1752, 1759, 2581, 2588, 2595, 2603, 2685, 2737
\theclass 1590, 1595
\theHchapter 1536, 1554
\theHsection 1535, 1552
\thempfn 1921
\thempfootnote 1921, 4195
\theoremautorefname 1528
\thepage . . 2188, 2205, 2235, 2277, 3563, 4502
\thepart 9, 16, 39, 45, 51, 57, 123, 134, 145, 157, 1300, 1310, 1322, 1562, 1754, 2576, 2583, 2590, 2598, 2606, 2661, 2713
\thequestion 5638, 5678, 5714

\thesection . 12, 34, 43, 49, 55, 61, 1304, 1565, 2629
\thirdarticle .. 4840, 4867, 4868, 4870
\thirdSubtitleFormat . 4567, 4569
\thirdTextFormat 4570, 4571
\thirdTitleFormat .. 4558, 4563, 4564
\thispagestyle 4757, 4762
\thr@@ 1948, 1967, 1968, 1982, 2003, 2004, 2030, 2042, 2043, 2071, 2098, 2099
\timestamp . 4595, 4792, 4822, 4858
\timestampFormat 4594, 4596
\timestampSeparator . 4593, 4598
\timestampTxt 4592, 4597
\tiny 3717, 3718, 4432
\title 4641
\TitleBarFrame . 1498, 1500, 1502, 1504
\tl .. 3131, 3132, 3133, 3140, 3146, 3147, 3148, 3155, 3167, 3176, 3248, 3255, 3256, 3345, 3354, 3369, 3378, 3393, 3402, 3417, 3426, 3441, 3450, 3465, 3474, 5276, 5293, 5351, 5434, 5435, 5436, 5451, 5466, 5558, 5559, 5560, 5561, 5562, 5563, 5571, 5572, 5573, 5574, 5575, 5576
\tmp 5592
\today 3542, 3544, 5113
\topsep 3755, 3763, 3771, 3779, 3786, 3794, 3801, 3810, 3815, 3825, 3828
\TPHorizModule . 4473, 4698, 4797, 4829, 4880, 4927, 4928, 4951, 4952, 4975
\TPVertModule 4699
\true 5667
\truesymbol 5661
\ttdefault 3219, 3220
\tw@ .. 1581, 1843, 1846, 1928, 1934, 1935, 1937, 1947, 1957, 1958, 1981, 1991, 1992, 2029, 2035, 2036, 2041, 2070, 2080, 2081, 2289, 3576, 3577, 3578, 3581, 3582, 3583
\twocolumnstableofcontents 3894
\typeout 3065, 3066, 4646

U

\uccode 5477
\Umathchardef 5300
\Umathcode 5298
\Umathcodenum 2509
\undefined 1783, 5509, 5518, 5519, 5520, 5522, 5523, 5524, 5530, 5531, 5532, 5534, 5535, 5536
\unhbox 1905
\unpenalty 201
\unskip 198, 2059, 2060, 2061, 2146, 2209, 2240
\unvbox 1905
\uppercase 5478
\Url@actpercent 2508
\Url@Edit 2508
\Url@String 2508
\use .. 3168, 3181, 3191, 3222, 3240, 3253, 3271, 3275, 3295, 3299, 3346, 3359, 3370, 3383, 3394, 3407, 3418, 3431, 3442, 3455, 3466, 3479, 5439, 5454, 5469
\use@mathgroup 5235
\usebox 4650
\usecounter 5651
\usefonttheme 83
\UseOneTimeHook . 2632, 2688, 2740

V

\value 2785, 5621, 5637
\vbox . 1876, 1893, 1898, 1899, 1916, 2023, 2113, 2117, 2123, 2127, 5189, 5215
\vcenter 1902, 1903
\verbatim@ 1669
\verbatim@addtoline 2378, 2393, 2404, 2411, 2413, 2421, 2423, 2435, 2437
\verbatim@finish 2431
\verbatim@processline 2382, 2395, 2415
\verbatim@startline 2371, 2383, 2396, 2416
\version@elt 5281
\version@list 5281
\vfil 4616, 4632
\voidb@x 179
\vrb@catcodes 2365
\vskip 4617, 4620, 4622, 4628

\vspace 4652, 4671, 4733, 4743, 4786, 4790, 4813, 4816, 4820, 4827, 4845, 4849, 4853, 4862, 4921, 4925, 4981, 5002, 5050, 5054, 5073, 5103, 5107, 5152, 5154, 5164, 5167, 5192, 5194, 5214, 5216, 5649, 5707, 5709
\vss 1905
\vtop 1900, 1901, 2022

W

\wd 2776, 2780
\weatherFormat 4487, 4489
\weatheritem 4893, 4908, 4909, 4911
\weatherTempFormat . . 4491, 4901
\weatherUnits 4492, 4903
\whiledo 5621
\width 1506, 2474, 2475
\write 2947, 3559
\writexviiifalse 3123
\writexviiitrue 3121

X

\X 5591
\x 3105, 3110
\xdef . 1537, 1556, 4302, 4304, 4308, 4310, 4314, 4316, 5235, 5617, 5622, 5646, 5647, 5668, 5669, 5672, 5673
\XePersian . 1545, 3883, 3901, 4511
\xepersian 2452, 2454
\xepersian@@adadi . . . 3961, 3986
\xepersian@@adadi@tartibi 4062, 4087
\xepersian@@baselineskip@scale 3000, 3484, 3490, 3502, 3506, 3508, 3516, 4290
\xepersian@@fontsize@branch 2992, 4267
\xepersian@@fontsize@scale . . 2988, 3483, 3485, 3501, 3505, 3507, 3515, 4286, 4297
\xepersian@@latin@baselineskip@scale 3004, 3492, 3502
\xepersian@@latin@fontsize@scale 2996, 3487, 3501
\xepersian@@math@fontsize@scale 2984, 4295
\xepersian@@sp@b 4259, 4261, 4263
\xepersian@@sp@c 4263, 4266
\xepersian@@sp@d 4256, 4257
\xepersian@@sp@def . . 4255, 4270
\xepersian@@start@switch@textdigitfont 3018, 3201, 3203, 3206, 3208, 3210, 3212, 3214, 3219
\xepersian@@stop@switch@textdigitfont 3202, 3204, 3205, 3209, 3211, 3213, 3215, 3220
\xepersian@@update@math@fontsize . . 4294, 4304, 4310, 4316
\xepersian@adadi 3955, 3960
\xepersian@adadi@tartibi 4056, 4061
\xepersian@alef 1574, 1600, 1614, 1616, 3212, 3213
\xepersian@cmds@temp . 3100, 3118
\xepersian@coltitsize 4354, 5077, 5078, 5079, 5080, 5083, 5088, 5093, 5098
\xepersian@computeautoilg 3572, 4325
\xepersian@cx . . . 4681, 4686, 4703
\xepersian@cy . . . 4682, 4687, 4709
\XePersian@d 5720, 5745, 5850, 5869, 5871, 5874, 5879
\xepersian@dahgan . . 4019, 4040, 4123
\xepersian@dahgan@tartibi 4121, 4129
\XePersian@dn . . 5740, 5839, 5847, 5850, 5853, 5857, 5869, 5871
\xepersian@dualjoiner 1571, 1602, 1603, 1604, 1605, 1609, 1610, 1611, 1613, 1614, 3208, 3209
\xepersian@dx . . 4679, 4684, 4695, 4698
\xepersian@dy . . 4680, 4685, 4696, 4699
\xepersian@edition . 4461, 4465, 4501, 4621, 4753
\xepersian@editionLogo . . 4463, 4731, 4749
\xepersian@editorialTit . 5158, 5177
\xepersian@editorialTitle 4604, 5163
\xepersian@everyjob . 3063, 3066
\xepersian@firstText . 4536, 4792
\xepersian@firstTitle 4524, 4787
\xepersian@fmbox 4647, 4649, 4650

\xepersian@footcenter 4513, 4520, 4772
\xepersian@footleft 4515, 4519, 4771
\xepersian@footright 4510, 4521, 4770
\xepersian@frag 4270, 4272, 4273, 4275
\xepersian@gridcolumns .. 4376, 4378, 4417, 4421
\xepersian@gridrows 4375, 4377, 4417, 4421
\xepersian@headcenter 4497, 4507, 4769
\xepersian@headDateTime . 4483, 4737, 4751
\xepersian@headleft 4494, 4506, 4768
\xepersian@headright 4500, 4508, 4767
\XePersian@i 5720, 5843, 5844, 5846, 5847, 5848, 5851, 5855, 5856, 5859, 5860, 5863, 5866, 5868
\xepersian@ilg . 3569, 3573, 3577, 3578, 3582, 3583, 3601
\xepersian@imgsize . 4353, 4654, 4655, 4657, 4666, 4667
\xepersian@incolumntitle 5064, 5083, 5088, 5093, 5098
\xepersian@indexEntry 4473, 5000
\xepersian@indexEntryPage 4479, 5000
\xepersian@indexFrameTitle 4469, 4976
\xepersian@indexwidth 4357, 4476, 4975, 4979, 4980
\xepersian@inexpandedtitle .. 5015, 5030, 5035, 5040, 5045
\xepersian@innerSubtitle 4591, 5131
\xepersian@innerTitle 4580, 5130
\XePersian@kabisehfalse . 5790, 5796
\XePersian@kabisehtrue ... 5796
\xepersian@kashida . 1577, 1609, 1610, 1611, 1612, 1613, 1614, 1615
\xepersian@kashidachar .. 1569, 1582, 1584
\xepersian@lam . 1572, 1606, 1610, 1611, 1612, 1615, 1616, 3210, 3211
\XePersian@latini ... 5721, 5767
\XePersian@latinii . 5722, 5769, 5771
\XePersian@latiniii . 5723, 5773
\XePersian@latiniv .. 5724, 5774
\XePersian@latinix .. 5729, 5779
\XePersian@latinv ... 5725, 5775
\XePersian@latinvi .. 5726, 5776
\XePersian@latinvii . 5727, 5777
\XePersian@latinviii . 5728, 5778
\XePersian@latinx ... 5730, 5780
\XePersian@latinxi .. 5731, 5781
\XePersian@latinxii . 5732, 5782
\XePersian@leapfalse 5752, 5756, 5762
\XePersian@leaptrue . 5762, 5763
\xepersian@localize@verbatim@ 1669, 2373, 2374, 2376, 2384, 2397, 2406, 2417, 2425, 2439
\xepersian@localize@verbatim@@ 2376, 2377
\xepersian@localize@verbatim@@@ 2379, 2380
\xepersian@localize@verbatim@@testend 2419, 2429
\xepersian@localize@verbatim@rescan 2433, 2442
\xepersian@localize@verbatim@start .. 2370, 2445, 2446, 2457
\xepersian@localize@verbatim@test 2388, 2390, 2391
\xepersian@localize@verbatim@testend 2402, 2409
\XePersian@m 5720, 5745, 5841, 5860, 5863, 5875, 5878
\xepersian@milyoongan 3988, 3999
\xepersian@milyoongan@tartibi 4089, 4100
\XePersian@mminusone 5742, 5841, 5842, 5844, 5848
\xepersian@ncol 4708, 4709
\xepersian@ncolumns 4358, 5059, 5060, 5127
\xepersian@nrow 4702, 4703
\xepersian@numberoutofrange 3946, 3957, 4058
\xepersian@numberstring . 3943, 3951

\xepersian@numberstring@tartibi 4049, 4052
\xepersian@PackageInfo . . 5296, 5415
\xepersian@pageleft 4356, 5143, 5144, 5146, 5148
\xepersian@pageneed 4355, 4657, 4658, 4660, 4663, 5142, 5148
\xepersian@pages 4577, 4812, 4844, 5129
\xepersian@persian@@releasename 2881, 2882
\XePersian@persian@month 5875, 5880
\XePersian@persiani 5721, 5821, 5822, 5852, 5869
\XePersian@persianii . 5722, 5823
\XePersian@persianiii 5723, 5825, 5827
\XePersian@persianiv . 5724, 5829
\XePersian@persianix . 5729, 5834
\XePersian@persianv . 5725, 5830
\XePersian@persianvi . 5726, 5831
\XePersian@persianvii 5727, 5832
\XePersian@persianviii . . 5728, 5833
\XePersian@persianx . 5730, 5835
\XePersian@persianxi . 5731, 5836
\XePersian@persianxii 5732, 5837
\XePersian@persianxiii . . 5733, 5838
\xepersian@pictureCaption 4573, 4669, 4883
\xepersian@releasename . . 2880, 2882, 2883, 3049, 3886, 3890
\xepersian@resa 4256, 4258
\xepersian@rightjoiner . . 1573, 1601, 1613, 1615, 3214, 3215
\xepersian@sadgan . . 3992, 3997, 4001, 4005, 4010, 4093, 4106
\xepersian@sadgan@tartibi 4098, 4102, 4111
\xepersian@save@@f@family 3219, 3220
\xepersian@say . 4646, 5126, 5146, 5149, 5151, 5175, 5201
\xepersian@secondSubtitle 4549, 4818
\xepersian@secondText 4553, 4822
\xepersian@secondTitle . . 4540, 4814
\xepersian@section . 4493, 4498, 5122
\xepersian@setlength 3617, 3660, 3662, 3663, 3677, 3679, 3680, 3694, 3696, 3697, 3753, 3755, 3769, 3771, 3784, 3786, 3799, 3801, 3815, 3861, 3863, 3865, 3876
\xepersian@shellescape . . . 3120
\xepersian@shortarticleItemTitle 4611, 5215
\xepersian@shortarticleSubtitle 4609, 5195
\xepersian@shortarticleTit 5187, 5202
\xepersian@shortarticleTitle 4607, 5191
\XePersian@sn . . 5741, 5840, 5852, 5853, 5856, 5857, 5866, 5871
\xepersian@strutilg 3570, 3573, 3588, 3589, 3593, 3594, 3601, 3602, 3605, 4326, 4329
\xepersian@tartibi . . 4049, 4134
\xepersian@tcl . 3568, 3573, 3575, 3576, 3577, 3578, 3581, 3582, 3583, 3587, 3588, 3589, 3592, 3593, 3594, 3599, 3600
\XePersian@temp 5735, 5746, 5747, 5748, 5750, 5754, 5755, 5756, 5759, 5760, 5761, 5762, 5784, 5785, 5786, 5789, 5790, 5792, 5795, 5796, 5800, 5801, 5804, 5807, 5812, 5817, 5819, 5820, 5822
\xepersian@tempa 4254, 4265
\XePersian@tempthree 5737, 5798, 5799, 5800, 5802, 5805, 5808, 5809, 5813, 5816, 5817, 5818, 5819
\XePersian@temptwo . 5736, 5786, 5787, 5788, 5789, 5792, 5793, 5794, 5795, 5802, 5803, 5804, 5805, 5806, 5807, 5809, 5810, 5811, 5812, 5813, 5814, 5815, 5816
\xepersian@textdigitfont 3018, 3193, 3219
\xepersian@thirdSubtitle 4568,

4851
\xepersian@thirdText . 4571, 4858
\xepersian@thirdTitle 4559, 4847
\XePersian@thirtytwo 5739, 5783, 5790
\xepersian@tmp 4269, 4270
\xepersian@toks 4253, 4266
\xepersian@value 4272, 4275
\xepersian@version . 2878, 2883, 3049, 3079, 3081, 3087, 3093, 3886, 3890
\xepersian@vowel 1575, 1607
\xepersian@weather . . 4488, 4923
\xepersian@www 4458, 4731
\xepersian@wwwFormat . 4457, 4459
\XePersian@y 5720, 5745, 5746, 5749, 5759, 5762, 5784, 5798, 5861, 5864, 5875, 5877
\xepersian@yekani . . 3992, 4020, 4024, 4031, 4034, 4093
\xepersian@yekanii . 3943, 4005, 4030, 4106
\xepersian@yekaniii 4001, 4033, 4102
\xepersian@yekaniv . 4012, 4036, 4113
\xepersian@yekanv . . . 4125, 4141
\XePersian@yModHundred . . 5738, 5749, 5750, 5751, 5754, 5758
\xepersian@zwj . . 1568, 1579, 1586
\xepersiandate . 2879, 2883, 3049, 3886
\xepersianInit 4414, 4715
\xepersianreleasename 2882
\xepersianversion 3078
\XeTeXcharclass 1595
\XeTeXcharglyph 1582, 1584, 3576, 3577, 3578, 3581, 3582, 3583, 3587, 3588, 3589, 3592, 3593, 3594
\XeTeXglyphbounds . . 1581, 1583, 3576, 3577, 3578, 3581, 3582, 3583, 3587, 3588, 3589, 3592, 3593, 3594
\XeTeXinterchartoks 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 3201, 3202, 3203, 3204, 3205, 3206, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215
\xpg@warning 4147, 4152, 4154

Y

\y 3106, 3108, 3110
\year 5745

Z

\z 3107, 3108
\z@ . 10, 18, 181, 182, 193, 195, 1563, 1821, 1921, 1925, 1930, 1931, 1939, 1949, 1953, 1954, 1959, 1973, 1983, 1987, 1988, 1993, 2009, 2031, 2032, 2043, 2061, 2072, 2076, 2077, 2090, 2104, 2291, 2337, 2339, 2348, 2472, 2473, 2480, 2481, 2775, 2776, 2779, 2780, 3203, 3204, 3524, 3525, 3534, 3535, 3573, 3576, 3581, 3587, 3592, 3618, 3619, 3620, 3626, 3633, 3634, 3640, 3662, 3679, 3696, 3817, 3826, 3870, 3987, 3989, 3991, 3995, 4011, 4014, 4020, 4088, 4090, 4092, 4096, 4112, 4115, 4125, 4154, 4176, 4180, 4184, 4187, 4268, 5796

□

\ 1148, 1761, 2357
\ 1785, 1787, 1790, 1797
\ 1790
\ . . 1775, 1782, 1783, 1786, 1787, 1795, 1797
\ 1780, 1781, 1785, 1792
\ 1773, 1779, 1780, 1785, 1790, 1791
\ . . 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1783
\ . 1785, 1786, 1791, 1792, 1794, 1795
\ 1785, 1790
\ 1785, 1786, 1791, 1795
\ 1780, 1781
\ 1785, 1787, 1792, 1797
@ \ 1774, 1778

□

@ \ 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503
@ \ 1774

\ 1780
\ 1774, 1778
\ 2136, 2444
\ 2358
\ 1781, 2133, 2134

\ 1773
\ 1776
\ 1775, 1777