



# The XePersian *Package*

Source documentation for [version 26.01.01](#)

*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.

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# The XePersian *Package*

## Persian for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> in XeT<sub>E</sub>X and LuaT<sub>E</sub>X engines

Source documentation for [version 26.01.01](#)

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### Contents

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

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37	File kashida-xetex-xepersian.def	33	52	File refrep-xetex-xepersian.def	56
38	File listings-xetex-xepersian.def	34	53	File report-xetex-xepersian.def	56
39	File localize-xetex-xepersian.def	34	54	File scrartcl-xetex-xepersian.def	56
40	File memoir-xetex-xepersian.def	36	55	File scrbook-xetex-xepersian.def	57
41	File latex-localize-messages-xetex-xepersian.def	36	56	File scrreprt-xetex-xepersian.def	58
42	File minitoc-xetex-xepersian.def	36	57	File soul-xetex-xepersian.def	59
43	File latex-localize-misc-xetex-xepersian.def	36	58	File tkz-linknodes-xetex-xepersian.def	60
44	File natbib-xetex-xepersian.def	43	59	File tocloft-xetex-xepersian.def	60
45	File packages-localize-xetex-xepersian.def	47	60	File varioref-xetex-xepersian.def	61
46	File url-xetex-xepersian.def	50	61	File xepersian.sty	62
47	File persian-tex-text.map	50	62	File xepersian-magazine.cls	89
48	File persian-tex-text-nonnumbers.map	51	63	File unicode-persianmath.sty	105
49	File persian-tex-ligs.lua	52	64	File xepersian-multiplechoice.sty	113
50	File rapport1-xetex-xepersian.def	56	65	File unicode-persiancal.sty	115
51	File rapport3-xetex-xepersian.def	56			

## 1 File algorithmic-xetex-xepersian.def

```

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

```

## 2 File algorithm-xetex-xepersian.def

```

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

```

## 3 File amsart-xetex-xepersian.def

```

8 \ProvidesFile{amsart-xetex-xepersian.def}[2017/02/04 v0.4 xepersian adaptations for amsart c
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

## 4 File amsbook-xetex-xepersian.def

```

14 \ProvidesFile{amsbook-xetex-xepersian.def}[2017/02/04 v0.5 xepersian adaptations for amsbook
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}

```



```

16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18   \c@chapter\z@ \c@section\z@
19   \let\chaptername\appendixname
20   \def\thechapter{\@harfi\c@chapter}}
21
22

```

## 5 File appendix-xetex-xepersian.def

```

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

```

## 6 File article-xetex-xepersian.def

```

38 \ProvidesFile{article-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for standar
39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41   \setcounter{section}{0}%
42   \setcounter{subsection}{0}%
43   \gdef\thesection{\@harfi\c@section}}

```

## 7 File artikel1-xetex-xepersian.def

```

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

```

## 8 File artikel2-xetex-xepersian.def

```

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

```

## 9 File artikel3-xetex-xepersian.def



```

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

```

## 10 File backref-xetex-xepersian.def

```

62 \ProvidesFile{backref-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for backref
63 \def\backrefpagesname{\if@RTL else\   pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[#{#1}]#{#2}%
66   \ifBR@verbose
67     \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68   \fi
69   \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \@ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \@ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%
80   }%
81 }%

```

## 11 File beamer-xetex-xepersian.def

```

82 \ProvidesFile{beamer-xetex-xepersian.def}[2022/06/27 v0.2 xepersian adaptations for beamer c
83 \usefonttheme[stillsansserifmath]{serif}
84
85 \renewcommand*\{\bidi@beamer@today}{%
86 \the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax
87
88

```

## 12 File beamerbasetranslator-xetex-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xetex-xepersian.def}[2022/06/27 v0.3 xepersian adaptations
90 \newcommand*\{\ProvidePersianTranslation}[2]{%
91   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
92 }
93
94 \ProvidePersianTranslation{Corollary}{  }
95 \ProvidePersianTranslation{Definition}{  }
96 \ProvidePersianTranslation{Definitions}{  }
97 \ProvidePersianTranslation{Example}{  }
98 \ProvidePersianTranslation{Examples}{  }
99 \ProvidePersianTranslation{Fact}{  }
100 \ProvidePersianTranslation{From?}{  }

```



```

101 \ProvidePersianTranslation{Lemma}{ }
102 \ProvidePersianTranslation{Problem}{ }
103 \ProvidePersianTranslation{Section}{ }
104 \ProvidePersianTranslation{Solution}{ }
105 \ProvidePersianTranslation{Subsection}{ }
106 \ProvidePersianTranslation{Theorem}{ }
107 \ProvidePersianTranslation{When?}{ }
108 \ProvidePersianTranslation{Who?}{ }
109
110

```

### 13 File `bidituftesidenote-xetex-xepersian.def`

```

111 \ProvidesFile{bidituftesidenote-xetex-xepersian.def}[2017/02/04 v0.3 xepersian adaptations for bidituftesidenote]
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidituftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidituftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

### 14 File `bidimoderncv-xetex-xepersian.def`

```

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

```

### 15 File `boek3-xetex-xepersian.def`

```

122 \ProvidesFile{boek3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek3 class]
123 \renewcommand*\thepart{\@tartibi\c@part}
124 \renewcommand*\frontmatter{%
125 \cleardoublepage
126 \@mainmatterfalse
127 \pagenumbering{harfi}}
128 \renewcommand*\appendix{\par
129 \setcounter{chapter}{0}%
130 \setcounter{section}{0}%
131 \gdef\@chapapp{\appendixname}%
132 \gdef\thechapter{\@harfi\c@chapter}}

```

### 16 File `boek-xetex-xepersian.def`

```

133 \ProvidesFile{boek-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek class]
134 \renewcommand*\thepart{\@tartibi\c@part}
135 \renewcommand*\frontmatter{%
136 \cleardoublepage
137 \@mainmatterfalse
138 \pagenumbering{harfi}}
139 \renewcommand*\appendix{\par
140 \setcounter{chapter}{0}%
141 \setcounter{section}{0}%
142 \gdef\@chapapp{\appendixname}%

```



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

## 17 File bookest-xetex-xepersian.def

```
144 \ProvidesFile{bookest-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for bookest
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{chapter}{0}%
148 \setcounter{section}{0}%
149 \gdef\@chapapp{\appendixname}%
150 \gdef\thechapter{\@harfi\c@chapter}
151 }%end appendix
```

## 18 File book-xetex-xepersian.def

```
152 \ProvidesFile{book-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for book class
153 \renewcommand\frontmatter{%
154 \cleardoublepage
155 \@mainmatterfalse
156 \pagenumbering{harfi}}
157 \renewcommand \thepart {\@tartibi\c@part}
158 \renewcommand\appendix{\par
159 \setcounter{chapter}{0}%
160 \setcounter{section}{0}%
161 \gdef\@chapapp{\appendixname}%
162 \gdef\thechapter{\@harfi\c@chapter}
163 }%end appendix
```

## 19 File breqn-xetex-xepersian.def

```
164 \ProvidesFile{breqn-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for breqn pack
165 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
166 \everydisplay\expandafter{\the\everydisplay \display@setup}%
167 \if@noskipsec \leavevmode \fi
168 \if@inlabel \leavevmode \global\@inlabelfalse \fi
169 \if\eq@group\else\eq@prelim\fi
170 \setkeys{breqn}{#1}%
171 \the\eqstyle
172 \eq@setnumber
173 \begingroup
174 \eq@setup@a
175 \eq@startup
176 }
177 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
178 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
179 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
180 \global\let\GRP@label\@empty
181 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
182 \global\grp@linewidth\z@\global\grp@wdNum\z@
183 \global\let\grp@eqs@numbered\@False
184 \global\let\grp@aligned\@True
185 \global\let\grp@shiftnumber\@False
186 \eq@prelim
187 \setkeys{breqn}{#1}%
```



```

188 \if\grp@hasNumber \grp@setnumber \fi
189 }
190 \def@dseries[#1]{\if@RTL@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
191 \let\display@setup\dseries@display@setup
192 % Question: should this be the default for dseries???
193 \global\eq@wdCond\z@
194 \@dmath[layout={M},#1]%
195 \mathsurround\z@\@math \penalty\@Mi
196 \let\endmath\ends@math
197 \def\premath{%
198 \ifdim\lastskip<.3em \unskip
199 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
200 }%
201 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
202 \ignorespaces
203 }

```

## 20 File latex-localize-commands-xetex-xepersian.def

```

204 \ProvidesFile{latex-localize-commands-xetex-xepersian.def}[2014/02/05 v0.3 Persian localization]
205 \eqcommand{ }{@arstrut}
206 \eqcommand{ }{above}
207 \eqcommand{ }{abovedisplayshortskip}
208 \eqcommand{ }{abovedisplayshortskip}
209 \eqcommand{ }{abstractname}
210 \eqcommand{ }{accent}
211 \eqcommand{ }{active}
212 \eqcommand{ }{addcontentsline}
213 \eqcommand{ }{addpenalty}
214 \eqcommand{ }{address}
215 \eqcommand{ }{addtocontents}
216 \eqcommand{ }{addtocounter}
217 \eqcommand{ }{addtolength}
218 \eqcommand{ }{addvspace}
219 \eqcommand{ }{adjdemerits}
220 \eqcommand{ }{advance}
221 \eqcommand{ }{afterassignment}
222 \eqcommand{ }{aftergroup}
223 \eqcommand{ }{aleph}
224 \eqcommand{ }{aliasfontfeature}
225 \eqcommand{ }{aliasfontfeatureoption}
226 \eqcommand{ }{allowbreak}
227 \eqcommand{ @}{alloc@}
228 \eqcommand{ }{allocationnumber}
229 \eqcommand{ }{allowdisplaybreaks}
230 \eqcommand{ }{Alpha}
231 \eqcommand{ }{alpha}
232 \eqcommand{ }{alsoname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}

```





```

239 \eqcommand{   }{arrayrulecolor}
240 \eqcommand{   }{arraycolsep}
241 \eqcommand{   }{arrayrulewidth}
242 \eqcommand{   }{arraystretch}
243 \eqcommand{   }{AtBeginDocument}
244 \eqcommand{   }{AtEndDocument}
245 \eqcommand{   }{AtEndOfClass}
246 \eqcommand{   }{AtEndOfPackage}
247 \eqcommand{   }{author}
248 \eqcommand{   }{backmatter}
249 \eqcommand{   }{backslash}
250 \eqcommand{   }{badness}
251 \eqcommand{ }{bar}
252 \eqcommand{   }{baselineskip}
253 \eqcommand{   }{baselinestretch}
254 \eqcommand{   }{batchmode}
255 \eqcommand{ }{begin}
256 \eqcommand{   }{beginL}
257 \eqcommand{   }{beginR}
258 \eqcommand{   }{begingroup}
259 \eqcommand{   }{belowdisplayshortskip}
260 \eqcommand{   }{belowdisplayskip}
261 \eqcommand{ }{bf}
262 \eqcommand{   }{bfdefault}
263 \eqcommand{   }{bfseries}
264 \eqcommand{   }{bgroup}
265 \eqcommand{ }{bibitem}
266 \eqcommand{   }{bibliography}
267 \eqcommand{   }{bibliographystyle}
268 \eqcommand{   }{bibname}
269 \eqcommand{   }{bigskip}
270 \eqcommand{   }{bigskipamount}
271 \eqcommand{   }{botfigrule}
272 \eqcommand{   }{botmark}
273 \eqcommand{   }{bottompageskip}
274 \eqcommand{   }{bottomfraction}
275 \eqcommand{ }{box}
276 \eqcommand{   }{boxmaxdepth}
277 \eqcommand{ }{break}
278 \eqcommand{ }{bullet}
279 \eqcommand{ @ }{@cclv}
280 \eqcommand{ @ }{@cclvi}
281 \eqcommand{ }{caption}
282 \eqcommand{   }{catcode}
283 \eqcommand{   }{cc}
284 \eqcommand{   }{ccname}
285 \eqcommand{   }{cdot}
286 \eqcommand{   }{cdots}
287 \eqcommand{   }{centering}
288 \eqcommand{   }{centerline}
289 \eqcommand{ @ }{ch@ck}
290 \eqcommand{ }{chapter}
291 \eqcommand{   }{chaptername}
292 \eqcommand{   }{char}

```



```

293 \eqcommand{      }{chardef}
294 \eqcommand{      }{CheckCommand}
295 \eqcommand{ }{cite}
296 \eqcommand{      }{ClassError}
297 \eqcommand{      }{ClassInfo}
298 \eqcommand{      }{ClassWarning}
299 \eqcommand{      }{ClassWarningNoLine}
300 \eqcommand{      }{cleaders}
301 \eqcommand{      }{cleardoublepage}
302 \eqcommand{      }{clearpage}
303 \eqcommand{      }{cline}
304 \eqcommand{      }{closein}
305 \eqcommand{      }{closeout}
306 \eqcommand{ }{closing}
307 \eqcommand{      }{clubpenalty}
308 \eqcommand{ }{clubsuit}
309 \eqcommand{      }{colbotmark}
310 \eqcommand{      }{colfirstmark}
311 \eqcommand{ }{color}
312 \eqcommand{      }{colorbox}
313 \eqcommand{      }{coltopmark}
314 \eqcommand{      }{columncolor}
315 \eqcommand{      }{columnsep}
316 \eqcommand{      }{columnwidth}
317 \eqcommand{      }{columnseprule}
318 \eqcommand{      }{contentsline}
319 \eqcommand{      }{contentsname}
320 \eqcommand{ }{copy}
321 \eqcommand{      }{copyright}
322 \eqcommand{      }{count}
323 \eqcommand{      }{@}{count@}
324 \eqcommand{      }{countdef}
325 \eqcommand{ }{cr}
326 \eqcommand{      }{crr}
327 \eqcommand{      }{csname}
328 \eqcommand{      }{CurrentOption}
329 \eqcommand{      }{dashbox}
330 \eqcommand{      }{dashv}
331 \eqcommand{@}{@}{date}
332 \eqcommand{      }{date}
333 \eqcommand{ }{day}
334 \eqcommand{      }{dblbotfigrule}
335 \eqcommand{      }{dblbottomfraction}
336 \eqcommand{      }{dblfigrule}
337 \eqcommand{      }{dblfloatpagefraction}
338 \eqcommand{      }{dblfloatsep}
339 \eqcommand{      }{dblfntlocatocode}
340 \eqcommand{      }{dbltextfloatsep}
341 \eqcommand{      }{dbltopfraction}
342 \eqcommand{      }{DeclareFixedFont}
343 \eqcommand{      }{DeclareGraphicsExtensions}
344 \eqcommand{      }{DeclareGraphicsRule}
345 \eqcommand{      }{DeclareOldFontCommand}
346 \eqcommand{      }{DeclareOption}

```



```

347 \eqcommand{      }{DeclareRobustCommand}
348 \eqcommand{      }{DeclareSymbolFont}
349 \eqcommand{      }{deadcycles}
350 \eqcommand{ }{def}
351 \eqcommand{ @  }{define@key}
352 \eqcommand{      }{definecolor}
353 \eqcommand{      }{deg}
354 \eqcommand{      }{delcode}
355 \eqcommand{      }{delimiter}
356 \eqcommand{      }{delimiterfactor}
357 \eqcommand{      }{depth}
358 \eqcommand{      }{diamondsuit}
359 \eqcommand{      }{dim}
360 \eqcommand{      }{dimen}
361 \eqcommand{ @} {dimen@}
362 \eqcommand{ @  }{dimen@i}
363 \eqcommand{ @  }{dimen@ii}
364 \eqcommand{      }{dimendef}
365 \eqcommand{      }{discretionary}
366 \eqcommand{      }{displaybreak}
367 \eqcommand{      }{displayindent}
368 \eqcommand{      }{displaystyle}
369 \eqcommand{      }{displaywidth}
370 \eqcommand{      }{divide}
371 \eqcommand{      }{documentclass}
372 \eqcommand{ }{do}
373 \eqcommand{      }{dospecials}
374 \eqcommand{      }{dot}
375 \eqcommand{      }{doteq}
376 \eqcommand{      }{dotfill}
377 \eqcommand{      }{dots}
378 \eqcommand{      }{doublebox}
379 \eqcommand{      }{doublerulesepcolor}
380 \eqcommand{      }{doublerulesep}
381 \eqcommand{      }{downarrow}
382 \eqcommand{ }{dp}
383 \eqcommand{      }{dump}
384 \eqcommand{ }{edef}
385 \eqcommand{      }{egroup}
386 \eqcommand{      }{eject}
387 \eqcommand{      }{else}
388 \eqcommand{      }{em}
389 \eqcommand{      }{emergencystretch}
390 \eqcommand{      }{emph}
391 \eqcommand{@  }{@empty}
392 \eqcommand{ }{empty}
393 \eqcommand{      }{emptyset}
394 \eqcommand{      }{end}
395 \eqcommand{      }{endL}
396 \eqcommand{      }{endR}
397 \eqcommand{      }{endcsname}
398 \eqcommand{      }{endfirsthead}
399 \eqcommand{      }{endfoot}
400 \eqcommand{      }{endgraf}

```



```

401 \eqcommand{ }{endgroup}
402 \eqcommand{ }{endhead}
403 \eqcommand{ }{endinput}
404 \eqcommand{ }{endlastfoot}
405 \eqcommand{ }{enlargethispage}
406 \eqcommand{ }{endline}
407 \eqcommand{ }{endlinechar}
408 \eqcommand{ }{enspace}
409 \eqcommand{ }{enskip}
410 \eqcommand{ }{eqcommand}
411 \eqcommand{ }{eqenvironment}
412 \eqcommand{ }{eqref}
413 \eqcommand{ }{errhelp}
414 \eqcommand{ }{errmessage}
415 \eqcommand{ }{errorcontextlines}
416 \eqcommand{ }{errorstopmode}
417 \eqcommand{ }{escapechar}
418 \eqcommand{ }{euro}
419 \eqcommand{ }{evensidemargin}
420 \eqcommand{ }{everycr}
421 \eqcommand{ }{everydisplay}
422 \eqcommand{ }{everyhbox}
423 \eqcommand{ }{everyjob}
424 \eqcommand{ }{everymath}
425 \eqcommand{ }{everypar}
426 \eqcommand{ }{everyvbox}
427 \eqcommand{ }{ExecuteOptions}
428 \eqcommand{ }{exhyphenpenalty}
429 \eqcommand{ }{expandafter}
430 \eqcommand{ }{extracolsep}
431 \eqcommand{@ }{@firstofone}
432 \eqcommand{@ }{@firstoftwo}
433 \eqcommand{ @ }{@ur}
434 \eqcommand{ }{fam}
435 \eqcommand{ }{fancy page}
436 \eqcommand{ }{fbox}
437 \eqcommand{ }{fboxrule}
438 \eqcommand{ }{fboxsep}
439 \eqcommand{ }{fcolorbox}
440 \eqcommand{ }{fi}
441 \eqcommand{ }{figurename}
442 \eqcommand{ }{filbreak}
443 \eqcommand{ }{fill}
444 \eqcommand{ }{firstmark}
445 \eqcommand{ }{flat}
446 \eqcommand{ }{floatpagefraction}
447 \eqcommand{ }{floatingpenalty}
448 \eqcommand{ }{floatsep}
449 \eqcommand{ }{flushbottom}
450 \eqcommand{ }{fmtname}
451 \eqcommand{ }{fmtversion}
452 \eqcommand{ }{fnsymbol}
453 \eqcommand{ }{font}
454 \eqcommand{ }{fontdimen}

```



```

455 \eqcommand{   }{fontencoding}
456 \eqcommand{   }{fontfamily}
457 \eqcommand{   }{fontname}
458 \eqcommand{   }{fontseries}
459 \eqcommand{   }{fontshape}
460 \eqcommand{   }{fontsize}
461 \eqcommand{   }{footheight}
462 \eqcommand{   }{footins}
463 \eqcommand{   }{footnote}
464 \eqcommand{   }{footnotemark}
465 \eqcommand{   }{footnoterule}
466 \eqcommand{   }{footnotesep}
467 \eqcommand{   }{footnotesize}
468 \eqcommand{   }{footnotetext}
469 \eqcommand{   }{footskip}
470 \eqcommand{ }{frame}
471 \eqcommand{   }{framebox}
472 \eqcommand{   }{frenchspacing}
473 \eqcommand{   }{frontmatter}
474 \eqcommand{   }{futurelet}
475 \eqcommand{@   }{@gobble}
476 \eqcommand{@   }{@gobbletwo}
477 \eqcommand{@   }{@gobblefour}
478 \eqcommand{@   }{@gtempa}
479 \eqcommand{@   }{@gtempb}
480 \eqcommand{ }{gdef}
481 \eqcommand{   }{GenericInfo}
482 \eqcommand{   }{GenericWarning}
483 \eqcommand{   }{GenericError}
484 \eqcommand{ }{global}
485 \eqcommand{   }{globaldefs}
486 \eqcommand{   }{glossary}
487 \eqcommand{   }{glossaryentry}
488 \eqcommand{   }{goodbreak}
489 \eqcommand{   }{graphpaper}
490 \eqcommand{   }{guillemotleft}
491 \eqcommand{   }{guillemotright}
492 \eqcommand{   }{guilsinglleft}
493 \eqcommand{   }{guilsinglright}
494 \eqcommand{ }{halign}
495 \eqcommand{ }{hang}
496 \eqcommand{   }{hangafter}
497 \eqcommand{   }{hangindent}
498 \eqcommand{   }{hbadness}
499 \eqcommand{ }{hbox}
500 \eqcommand{   }{headheight}
501 \eqcommand{   }{headsep}
502 \eqcommand{   }{headtoname}
503 \eqcommand{ }{heartsuit}
504 \eqcommand{   }{height}
505 \eqcommand{ }{hfil}
506 \eqcommand{   }{hfill}
507 \eqcommand{   }{hfilneg}
508 \eqcommand{   }{hfuzz}

```



```

509 \eqcommand{    }{hideskip}
510 \eqcommand{    }{hidewidth}
511 \bidi@csletcs{ }{hline}% this is an exception
512 \eqcommand{    }{hoffset}
513 \eqcommand{    }{holdinginserts}
514 \eqcommand{    }{hrboxsep}
515 \eqcommand{ }{hrule}
516 \eqcommand{    }{hrulefill}
517 \eqcommand{    }{hsize}
518 \eqcommand{    }{hskip}
519 \eqcommand{    }{hspace}
520 \eqcommand{    }{hss}
521 \eqcommand{    }{ht}
522 \eqcommand{ }{huge}
523 \eqcommand{    }{Huge}
524 \eqcommand{    }{hyperlink}
525 \eqcommand{    }{hypersetup}
526 \eqcommand{    }{hypertarget}
527 \eqcommand{    }{hyphenation}
528 \eqcommand{    }{hyphenchar}
529 \eqcommand{    }{hyphenpenalty}
530 \eqcommand{@    }{@ifclassloaded}
531 \eqcommand{@    }{@ifdefinable}
532 \eqcommand{@    }{@ifnextchar}
533 \eqcommand{@    }{@ifpackageloaded}
534 \eqcommand{@    }{@ifstar}
535 \eqcommand{@    }{@ifundefined}
536 \eqcommand{ }{if}
537 \eqcommand{ @ }{if@tempwa}
538 \eqcommand{    }{ifcase}
539 \eqcommand{    }{ifcat}
540 \eqcommand{    }{ifdefined}
541 \eqcommand{    }{ifdim}
542 \eqcommand{    }{ifeof}
543 \eqcommand{ }{iff}
544 \eqcommand{    }{iffalse}
545 \eqcommand{    }{IfFileExists}
546 \eqcommand{    }{ifhbox}
547 \eqcommand{    }{ifhmode}
548 \eqcommand{    }{ifinner}
549 \eqcommand{    }{ifmmode}
550 \eqcommand{    }{ifnum}
551 \eqcommand{    }{ifodd}
552 \eqcommand{    }{ifthenelse}
553 \eqcommand{    }{iftrue}
554 \eqcommand{    }{ifvbox}
555 \eqcommand{    }{ifvmode}
556 \eqcommand{    }{ifvoid}
557 \eqcommand{    }{ifx}
558 \eqcommand{    }{ignorespaces}
559 \eqcommand{ }{immediate}
560 \eqcommand{ }{include}
561 \eqcommand{    }{includegraphics}
562 \eqcommand{    }{includeonly}

```



```

563 \eqcommand{ }{indent}
564 \eqcommand{ }{index}
565 \eqcommand{ }{indexentry}
566 \eqcommand{ }{indexname}
567 \eqcommand{ }{indexspace}
568 \eqcommand{ }{input}
569 \eqcommand{ }{InputIfFileExists}
570 \eqcommand{ }{inputlineno}
571 \eqcommand{ }{insert}
572 \eqcommand{ }{insertpenalties}
573 \eqcommand{ }{interfootnotelinepenalty}
574 \eqcommand{ }{interdisplaylinepenalty}
575 \eqcommand{ }{interlinepenalty}
576 \eqcommand{ }{intertext}
577 \eqcommand{ }{intertextsep}
578 \eqcommand{ }{invisible}
579 \eqcommand{ }{itdefault}
580 \eqcommand{ }{itshape}
581 \eqcommand{ }{item}
582 \eqcommand{ }{itemindent}
583 \eqcommand{ }{itemsep}
584 \eqcommand{ }{iterate}
585 \eqcommand{ }{itshape}
586 \eqcommand{ }{jobname}
587 \eqcommand{ }{jot}
588 \eqcommand{ }{kern}
589 \eqcommand{ }{kill}
590 \eqcommand{ }{label}
591 \eqcommand{ }{labelenumi}
592 \eqcommand{ }{labelenumii}
593 \eqcommand{ }{labelenumiii}
594 \eqcommand{ }{labelenumiv}
595 \eqcommand{ }{labelitemi}
596 \eqcommand{ }{labelitemii}
597 \eqcommand{ }{labelitemiii}
598 \eqcommand{ }{labelitemiv}
599 \eqcommand{ }{labelsep}
600 \eqcommand{ }{labelwidth}
601 \eqcommand{ }{language}
602 \eqcommand{ }{large}
603 \eqcommand{ }{Large}
604 \eqcommand{ }{LARGE}
605 \eqcommand{ }{lastbox}
606 \eqcommand{ }{lastkern}
607 \eqcommand{ }{lastpenalty}
608 \eqcommand{ }{lastskip}
609 \eqcommand{ }{LaTeX}
610 \eqcommand{ }{LaTeXe}
611 \eqcommand{ }{lccode}
612 \eqcommand{ }{ldots}
613 \eqcommand{ }{leaders}
614 \eqcommand{ }{leavevmode}
615 \eqcommand{ }{left}
616 \eqcommand{ }{leftmargin}

```



```

617 \eqcommand{ }{leftmargini}
618 \eqcommand{ }{leftmarginii}
619 \eqcommand{ }{leftmarginiii}
620 \eqcommand{ }{leftmarginiv}
621 \eqcommand{ }{leftmarginv}
622 \eqcommand{ }{leftmarginvi}
623 \eqcommand{ }{leftmark}
624 \eqcommand{ }{leftpageskip}
625 \eqcommand{ }{leftskip}
626 \eqcommand{ }{let}
627 \eqcommand{ }{line}
628 \eqcommand{ }{linebreak}
629 \eqcommand{ }{linepenalty}
630 \eqcommand{ }{lineskip}
631 \eqcommand{ }{lineskiplimit}
632 \eqcommand{ }{linespread}
633 \eqcommand{ }{linethickness}
634 \eqcommand{ }{linewidth}
635 \eqcommand{ }{listfigurename}
636 \eqcommand{ }{listfiles}
637 \eqcommand{ }{listoffigures}
638 \eqcommand{ }{listoftables}
639 \eqcommand{ }{listparindent}
640 \eqcommand{ }{listtablename}
641 \eqcommand{ }{LoadClass}
642 \eqcommand{ }{LoadClassWithOptions}
643 \eqcommand{ }{location}
644 \eqcommand{ }{long}
645 \eqcommand{ }{looseness}
646 \eqcommand{ }{lower}
647 \eqcommand{@ }{@makeother}
648 \eqcommand{@ }{@m}
649 \eqcommand{ @ }{@M}
650 \eqcommand{ @ }{@Mi}
651 \eqcommand{ @ }{@Mii}
652 \eqcommand{ @ }{@Miii}
653 \eqcommand{ @ }{@Miv}
654 \eqcommand{ @ }{@MM}
655 \eqcommand{ @ }{@m@ne}
656 \eqcommand{ }{mag}
657 \eqcommand{ }{magstep}
658 \eqcommand{ }{magstephalf}
659 \eqcommand{ }{mainmatter}
660 \eqcommand{ }{makeatletter}
661 \eqcommand{ }{makeatother}
662 \eqcommand{ }{makebox}
663 \eqcommand{ }{makeglossary}
664 \eqcommand{ }{makeindex}
665 \eqcommand{ }{makelabel}
666 \eqcommand{ }{makelabels}
667 \eqcommand{ }{MakeLowercase}
668 \eqcommand{ }{maketitle}
669 \eqcommand{ }{MakeUppercase}
670 \eqcommand{ }{marginpar}

```





```

671 \eqcommand{      }{\marginparpush}
672 \eqcommand{      }{\marginparsep}
673 \eqcommand{      }{\marginparwidth}
674 \eqcommand{ }{\mark}
675 \eqcommand{      }{\markboth}
676 \eqcommand{      }{\markright}
677 \eqcommand{      }{\mathaccent}
678 \eqcommand{      }{\mathchar}
679 \eqcommand{      }{\mathchardef}
680 \eqcommand{      }{\mathcode}
681 \eqcommand{      }{\mathrm}
682 \eqcommand{      }{\maxdeadcycles}
683 \eqcommand{      }{\maxdepth}
684 \eqcommand{      }{\maxdimen}
685 \eqcommand{ }{\mbox}
686 \eqcommand{      }{\mdseries}
687 \eqcommand{ }{\meaning}
688 \eqcommand{ }{\mediumseries}
689 \eqcommand{      }{\medmuskip}
690 \eqcommand{      }{\medskip}
691 \eqcommand{      }{\medskipamount}
692 \eqcommand{      }{\medspace}
693 \eqcommand{ }{\message}
694 \eqcommand{      }{\MessageBreak}
695 \eqcommand{      }{\minrowclearance}
696 \eqcommand{      }{\mkern}
697 \eqcommand{ }{\month}
698 \eqcommand{      }{\moveleft}
699 \eqcommand{      }{\moveright}
700 \eqcommand{      }{\mskip}
701 \eqcommand{ @ }{\m@th}
702 \eqcommand{      }{\multicolumn}
703 \eqcommand{ }{\multiply}
704 \eqcommand{      }{\multispan}
705 \eqcommand{      }{\muskip}
706 \eqcommand{      }{\muskipdef}
707 \eqcommand{@ }{\@namedef}
708 \eqcommand{@ }{\@nameuse}
709 \eqcommand{ @ }{\@ne}
710 \eqcommand{ }{\name}
711 \eqcommand{      }{\natural}
712 \eqcommand{      }{\nearrow}
713 \eqcommand{      }{\nearrower}
714 \eqcommand{      }{\NeedsTeXFormat}
715 \eqcommand{ }{\neg}
716 \eqcommand{      }{\negmedspace}
717 \eqcommand{      }{\negthickspace}
718 \eqcommand{      }{\negthinspace}
719 \eqcommand{ }{\newboolean}
720 \eqcommand{      }{\newbox}
721 \eqcommand{      }{\newcommand}
722 \eqcommand{      }{\newcount}
723 \eqcommand{      }{\newcounter}
724 \eqcommand{      }{\newdimen}

```



```

725 \eqcommand{ }{newenvironment}
726 \eqcommand{ }{newfam}
727 \eqcommand{ }{newfont}
728 \eqcommand{ }{newhelp}
729 \eqcommand{ }{newinsert}
730 \eqcommand{ }{newlabel}
731 \eqcommand{ }{newlength}
732 \eqcommand{ }{newline}
733 \eqcommand{ }{newlinechar}
734 \eqcommand{ }{newmuskip}
735 \eqcommand{ }{newpage}
736 \eqcommand{ }{newread}
737 \eqcommand{ }{newsavebox}
738 \eqcommand{ }{newskip}
739 \eqcommand{ }{newtheorem}
740 \eqcommand{ }{newtoks}
741 \eqcommand{ }{newwrite}
742 \eqcommand{ }{noalign}
743 \eqcommand{ }{nobreak}
744 \eqcommand{ }{nobreakspace}
745 \eqcommand{ }{nocite}
746 \eqcommand{ }{noexpand}
747 \eqcommand{ }{nofiles}
748 \eqcommand{ }{noindent}
749 \eqcommand{ }{nointerlineskip}
750 \eqcommand{ }{nolimits}
751 \eqcommand{ }{nolinebreak}
752 \eqcommand{ }{nonstopmode}
753 \eqcommand{ }{nonfrenchspacing}
754 \eqcommand{ }{nonumber}
755 \eqcommand{ }{nopagebreak}
756 \eqcommand{ }{normalbaselines}
757 \eqcommand{ }{normalbaselineskip}
758 \eqcommand{ }{normalcolor}
759 \eqcommand{ }{normalfont}
760 \eqcommand{ }{normallineskip}
761 \eqcommand{ }{normallineskiplimit}
762 \eqcommand{ }{normalmarginpar}
763 \eqcommand{ }{normalsize}
764 \eqcommand{ }{notag}
765 \eqcommand{ }{null}
766 \eqcommand{ }{nullfont}
767 \eqcommand{ }{number}
768 \eqcommand{ }{numberline}
769 \eqcommand{ }{numberwithin}
770 \eqcommand{ }{@evenfoot}
771 \eqcommand{ }{@evenhead}
772 \eqcommand{ }{@oddfoot}
773 \eqcommand{ }{@oddhead}
774 \eqcommand{ }{@outeqtrue}
775 \eqcommand{ }{@outeqfalse}
776 \eqcommand{ }{obeylines}
777 \eqcommand{ }{obeyspaces}
778 \eqcommand{ }{oddsidemargin}

```



```

779 \eqcommand{ }{offinterlineskip}
780 \eqcommand{ }{omit}
781 \eqcommand{@ }{@onlypreamble}
782 \eqcommand{ }{onecolumn}
783 \eqcommand{ }{onlynotes}
784 \eqcommand{ }{onlyslides}
785 \eqcommand{ }{openin}
786 \eqcommand{ }{openout}
787 \eqcommand{ }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{ }{outer}
790 \eqcommand{ }{output}
791 \eqcommand{ }{outputpenalty}
792 \eqcommand{ }{overfullrule}
793 \eqcommand{@ }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{ }{PackageError}
796 \eqcommand{ }{PackageInfo}
797 \eqcommand{ }{PackageWarning}
798 \eqcommand{ }{PackageWarningNoLine}
799 \eqcommand{ }{pagebreak}
800 \eqcommand{ }{pagecolor}
801 \eqcommand{ }{pagedepth}
802 \eqcommand{ }{pagefilllstretch}
803 \eqcommand{ }{pagefillstretch}
804 \eqcommand{ }{pagefilstretch}
805 \eqcommand{ }{pagegoal}
806 \eqcommand{ }{pagename}
807 \eqcommand{ }{pagenumbering}
808 \eqcommand{ }{pageref}
809 \eqcommand{ }{pagerulewidth}
810 \eqcommand{ }{pageshrink}
811 \eqcommand{ }{pagestretch}
812 \eqcommand{ }{pagestyle}
813 \eqcommand{ }{pagetotal}
814 \eqcommand{ }{paperheight}
815 \eqcommand{ }{paperwidth}
816 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
817 \eqcommand{ }{paragraph}
818 \eqcommand{ }{parallel}
819 \eqcommand{ }{parbox}
820 \eqcommand{ }{parfillskip}
821 \eqcommand{ }{parindent}
822 \eqcommand{ }{parsep}
823 \eqcommand{ }{parshape}
824 \eqcommand{ }{parskip}
825 \eqcommand{ }{part}
826 \eqcommand{ }{partname}
827 \eqcommand{ }{partopsep}
828 \eqcommand{ }{PassOptionToClass}
829 \eqcommand{ }{PassOptionToPackage}
830 \eqcommand{ }{path}
831 \eqcommand{ }{patterns}
832 \eqcommand{ }{pausing}

```



```

833 \eqcommand{ }{penalty}
834 \eqcommand{ }{phantom}
835 \eqcommand{ }{poptabs}
836 \eqcommand{ }{postdisplaypenalty}
837 \eqcommand{ }{predisplaydirection}
838 \eqcommand{ }{predisplaypenalty}
839 \eqcommand{ }{preplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}

```



```

887 \eqcommand{   }{rotatebox}
888 \eqcommand{   }{rowcolor}
889 \eqcommand{ }{rule}
890 \eqcommand{@   }{@secondoftwo}
891 \eqcommand{@   }{@spaces}
892 \eqcommand{   }{samepage}
893 \eqcommand{   }{savebox}
894 \eqcommand{   }{sbox}
895 \eqcommand{   }{scalebox}
896 \eqcommand{   }{scdefault}
897 \eqcommand{   }{scshape}
898 \eqcommand{   }{setkeys}
899 \eqcommand{   }{scriptfont}
900 \eqcommand{   }{scriptscriptfont}
901 \eqcommand{   }{scriptscriptstyle}
902 \eqcommand{   }{scriptsize}
903 \eqcommand{   }{scripstyle}
904 \eqcommand{   }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{   }{secdef}
907 \eqcommand{   }{see}
908 \eqcommand{   }{seealso}
909 \eqcommand{   }{seename}
910 \eqcommand{   }{selectfont}
911 \eqcommand{   }{setboolean}
912 \eqcommand{   }{setbox}
913 \eqcommand{   }{setcounter}
914 \eqcommand{   }{setlength}
915 \eqcommand{   }{setminus}
916 \eqcommand{   }{SetSymbolFont}
917 \eqcommand{   }{settodepth}
918 \eqcommand{   }{settoheight}
919 \eqcommand{   }{settowidth}
920 \eqcommand{   }{sfcode}
921 \eqcommand{   }{sfdefault}
922 \eqcommand{   }{sffamily}
923 \eqcommand{   }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{   }{shipout}
926 \eqcommand{   }{shortstack}
927 \eqcommand{   }{show}
928 \eqcommand{   }{showbox}
929 \eqcommand{   }{showboxbreadth}
930 \eqcommand{   }{showboxdepth}
931 \eqcommand{   }{showlists}
932 \eqcommand{   }{showthe}
933 \eqcommand{   }{simplefontmode}
934 \eqcommand{@} {@sxt@n}
935 \eqcommand{   }{skewchar}
936 \eqcommand{   }{skip}
937 \eqcommand{@} {@skip@}
938 \eqcommand{   }{skipdef}
939 \eqcommand{   }{sl}
940 \eqcommand{   }{sldefault}

```



```

941 \eqcommand{ }{slshape}
942 \eqcommand{ }{sloppy}
943 \eqcommand{ }{slshape}
944 \eqcommand{ }{small}
945 \eqcommand{ }{smallskip}
946 \eqcommand{ }{smallskipamount}
947 \eqcommand{ }{smash}
948 \eqcommand{ }{smile}
949 \eqcommand{ }{snglftlocatcode}
950 \eqcommand{ }{space}
951 \eqcommand{ }{spacefactor}
952 \eqcommand{ }{spaceskip}
953 \eqcommand{ }{spadesuit}
954 \eqcommand{ }{span}
955 \eqcommand{ }{special}
956 \eqcommand{ }{splitmaxdepth}
957 \eqcommand{ }{splittopskip}
958 \eqcommand{ }{star}
959 \eqcommand{ }{stepcounter}
960 \eqcommand{ }{stretch}
961 \eqcommand{ }{string}
962 \eqcommand{ }{strut}
963 \eqcommand{ }{strutbox}
964 \eqcommand{ }{subitem}
965 \eqcommand{ }{subparagraph}
966 \eqcommand{ }{subsection}
967 \eqcommand{ }{substack}
968 \eqcommand{ }{subsubitem}
969 \eqcommand{ }{subsubsection}
970 \eqcommand{ }{subset}
971 \eqcommand{ }{subseteq}
972 \eqcommand{ }{supereject}
973 \eqcommand{ }{suppressfloats}
974 \eqcommand{@ }{@tempa}
975 \eqcommand{@ }{@tempb}
976 \eqcommand{@ }{@tempc}
977 \eqcommand{@ }{@tempd}
978 \eqcommand{@ }{@tempe}
979 \eqcommand{@ }{@tempboxa}
980 \eqcommand{@ }{@tempcnta}
981 \eqcommand{@ }{@tempcntb}
982 \eqcommand{@ }{@tempdima}
983 \eqcommand{@ }{@tempdimb}
984 \eqcommand{@ }{@tempdimc}
985 \eqcommand{@ }{@tempskipa}
986 \eqcommand{@ }{@tempskipb}
987 \eqcommand{@ }{@tempwafalse}
988 \eqcommand{@ }{@tempwatrue}
989 \eqcommand{@ }{@temptokena}
990 \eqcommand{ }{@thefnmark}
991 \eqcommand{@ }{@thirdofthree}
992 \eqcommand{ }{tabbingsep}
993 \eqcommand{ }{tabcolsep}
994 \eqcommand{ }{tableofcontents}

```



```

995 \eqcommand{ }{tablename}
996 \eqcommand{ }{tabskip}
997 \eqcommand{ }{tabularnewline}
998 \eqcommand{ }{tag}
999 \eqcommand{ }{telephone}
1000 \eqcommand{ }{TeX}
1001 \eqcommand{ }{text}
1002 \eqcommand{ }{textbullet}
1003 \eqcommand{ }{textfont}
1004 \eqcommand{ }{textemdash}
1005 \eqcommand{ }{textendash}
1006 \eqcommand{ }{textexclamdown}
1007 \eqcommand{ }{textperiodcentered}
1008 \eqcommand{ }{textquestiondown}
1009 \eqcommand{ }{textquotedblleft}
1010 \eqcommand{ }{textquotedblright}
1011 \eqcommand{ }{textquoteleft}
1012 \eqcommand{ }{textquoteright}
1013 \eqcommand{ }{textvisiblespace}
1014 \eqcommand{ }{textbackslash}
1015 \eqcommand{ }{textbar}
1016 \eqcommand{ }{textgreater}
1017 \eqcommand{ }{textless}
1018 \eqcommand{ }{textbf}
1019 \eqcommand{ }{textcircled}
1020 \eqcommand{ }{textcolor}
1021 \eqcommand{ }{textcompwordmark}
1022 \eqcommand{ }{textfloatsep}
1023 \eqcommand{ }{textfraction}
1024 \eqcommand{ }{textheight}
1025 \eqcommand{ }{textindent}
1026 \eqcommand{ }{textit}
1027 \eqcommand{ }{textmd}
1028 \eqcommand{ }{textnormal}
1029 \eqcommand{ }{textregistered}
1030 \eqcommand{ }{textrm}
1031 \eqcommand{ }{textsc}
1032 \eqcommand{ }{textsf}
1033 \eqcommand{ }{textsl}
1034 \eqcommand{ }{textstyle}
1035 \eqcommand{ }{textsuperscript}
1036 \eqcommand{ }{texttrademark}
1037 \eqcommand{ }{texttt}
1038 \eqcommand{ }{textup}
1039 \eqcommand{ }{textwidth}
1040 \eqcommand{ }{thanks}
1041 \eqcommand{ }{the}
1042 \eqcommand{ }{thempfn}
1043 \eqcommand{ }{thicklines}
1044 \eqcommand{ }{thickmuskip}
1045 \eqcommand{ }{thinmuskip}
1046 \eqcommand{ }{thickspace}
1047 \eqcommand{ }{thinlines}
1048 \eqcommand{ }{thinspace}

```



```

1049 \eqcommand{      }{thisfancypage}
1050 \eqcommand{      }{thispagestyle}
1051 \eqcommand{ @}{thr@@}
1052 \eqcommand{ }{tilde}
1053 \eqcommand{ }{tiny}
1054 \eqcommand{ }{time}
1055 \eqcommand{ }{times}
1056 \eqcommand{ }{title}
1057 \eqcommand{ }{to}
1058 \eqcommand{ }{today}
1059 \eqcommand{ }{toks}
1060 \eqcommand{      }{toksdef}
1061 \eqcommand{      }{tolerance}
1062 \eqcommand{ }{top}
1063 \eqcommand{      }{topfigrule}
1064 \eqcommand{      }{topfraction}
1065 \eqcommand{      }{topmargin}
1066 \eqcommand{      }{topmark}
1067 \eqcommand{      }{toppageskip}
1068 \eqcommand{      }{topsep}
1069 \eqcommand{      }{topskip}
1070 \eqcommand{      }{totalheight}
1071 \eqcommand{      }{tracingall}
1072 \eqcommand{      }{tracingcommands}
1073 \eqcommand{      }{tracinglostchars}
1074 \eqcommand{      }{tracingmacros}
1075 \eqcommand{      }{tracingonline}
1076 \eqcommand{      }{tracingoutput}
1077 \eqcommand{      }{tracingpages}
1078 \eqcommand{      }{tracingparagraphs}
1079 \eqcommand{      }{tracingrestores}
1080 \eqcommand{      }{tracingstats}
1081 \eqcommand{ }{triangle}
1082 \eqcommand{      }{ttdefault}
1083 \eqcommand{      }{ttfamily}
1084 \eqcommand{ @}{tw@}
1085 \eqcommand{      }{twocolumn}
1086 \eqcommand{      }{typein}
1087 \eqcommand{      }{typeout}
1088 \eqcommand{      }{uccode}
1089 \eqcommand{      }{uchyph}
1090 \eqcommand{ }{underline}
1091 \eqcommand{      }{unhbox}
1092 \eqcommand{      }{unhcopy}
1093 \eqcommand{      }{unitlength}
1094 \eqcommand{      }{unkern}
1095 \eqcommand{      }{unpenalty}
1096 \eqcommand{      }{unskip}
1097 \eqcommand{      }{unvbox}
1098 \eqcommand{      }{unvcopy}
1099 \eqcommand{      }{updefault}
1100 \eqcommand{      }{upshape}
1101 \eqcommand{      }{usebox}
1102 \eqcommand{      }{usecounter}

```





```

1103 \eqcommand{      }{usefont}
1104 \eqcommand{      }{usepackage}
1105 \eqcommand{@     }{@vobeyspaces}
1106 \eqcommand{@     }{@void}
1107 \eqcommand{      }{vadjust}
1108 \eqcommand{      }{valign}
1109 \eqcommand{      }{value}
1110 \eqcommand{      }{vbadness}
1111 \eqcommand{      }{vbox}
1112 \eqcommand{      }{vcenter}
1113 \eqcommand{      }{verb}
1114 \eqcommand{      }{vfil}
1115 \eqcommand{      }{vfill}
1116 \eqcommand{      }{vfilneg}
1117 \eqcommand{      }{vfuzz}
1118 \eqcommand{      }{visible}
1119 \eqcommand{      }{vline}
1120 \eqcommand{      }{voffset}
1121 \eqcommand{@     }{voidb@x}
1122 \eqcommand{      }{vpageref}
1123 \eqcommand{      }{vrboxsep}
1124 \eqcommand{      }{vref}
1125 \eqcommand{      }{vrule}
1126 \eqcommand{      }{vsize}
1127 \eqcommand{      }{vskip}
1128 \eqcommand{      }{vspace}
1129 \eqcommand{      }{vsplit}
1130 \eqcommand{      }{vss}
1131 \eqcommand{      }{vtop}
1132 \eqcommand{      }{wd}
1133 \eqcommand{      }{whiledo}
1134 \eqcommand{      }{widehat}
1135 \eqcommand{      }{widetilde}
1136 \eqcommand{      }{widowpenalty}
1137 \eqcommand{      }{width}
1138 \eqcommand{      }{wlog}
1139 \eqcommand{      }{write}
1140 \eqcommand{@     }{@xobeysp}
1141 \eqcommand{@     }{@xxxii}
1142 \eqcommand{      }{xdef}
1143 \eqcommand{      }{xleaders}
1144 \eqcommand{      }{xspaceskip}
1145 \eqcommand{      }{year}
1146 \eqcommand{@     }{z@}
1147 \eqcommand{@     }{z@skip}

```

## 21 File color-localize-xetex-xepersian.def

```

1148 color}          \-localize-xetex-xepersian.def}[2011/03/01 v0.1 localizing color package for Xe
1149 0}{rgb}{ }      \0,,0}
1150 1}{rgb}{ }      \1,,1}
1151 1}{rgb}{ }      \0,,0}
1152 0}{rgb}{ }      \1,,0}
1153 0}{rgb}{ }      \0,,1}

```



```

1154 1}{cmyk}{ } \0,,0,0}
1155 0}{cmyk}{ } \1,,0,0}
1156 0}{cmyk}{ } \0,,1,0}

```

## 22 File xepersian-localize-commands-xetex-xepersian.def

```

1157 \ProvidesFile{xepersian-localize-commands-xetex-xepersian.def}[2012/07/25 v0.2 Persian local
1158 \eqcommand{ }{autofooterule}
1159 \eqcommand{ }{AutoMathDigits}
1160 \eqcommand{ }{DefaultMathDigits}
1161 \eqcommand{ @ }{keyval@eq@alias@key}
1162 \eqcommand{ }{deflatinfont}
1163 \eqcommand{ }{defpersianfont}
1164 \eqcommand{ }{hboxL}
1165 \eqcommand{ }{hboxR}
1166 \eqcommand{ }{Latincite}
1167 \eqcommand{ }{latinfont}
1168 \eqcommand{ }{latintoday}
1169 \eqcommand{ }{leftfootnoterule}
1170 \eqcommand{ }{lr}
1171 \eqcommand{ }{LRE}
1172 \eqcommand{ }{LTRdblcol}
1173 \eqcommand{ }{LTRfootnote}
1174 \eqcommand{ }{LTRfootnotetext}
1175 \eqcommand{ }{LTRthanks}
1176 \eqcommand{ }{persianday}
1177 \eqcommand{ }{persianfont}
1178 \eqcommand{ }{PersianMathDigits}
1179 \eqcommand{ }{persianmonth}
1180 \eqcommand{ }{persianyear}
1181 \eqcommand{ }{plq}
1182 \eqcommand{ }{prq}
1183 \eqcommand{ }{rightfootnoterule}
1184 \eqcommand{ }{r1}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}

```



```

1205 \eqcommand{        }{textwidthfootnoterule}
1206 \eqcommand{        }{twocolumnstableofcontents}
1207 \eqcommand{        }{unsetfootnoteRL}
1208 \eqcommand{        }{unsetLTR}
1209 \eqcommand{        }{unsetRTL}
1210 \eqcommand{        }{vboxL}
1211 \eqcommand{        }{vboxR}
1212 \eqcommand{        }{XeLaTeX}
1213 \eqcommand{        }{XePersian}
1214 \eqcommand{        }{xepersianversion}
1215 \eqcommand{        }{xepersiandate}
1216 \eqcommand{        }{XeTeX}

```

## 23 File enumerate-xetex-xepersian.def

```

1217 \ProvidesFile{enumerate-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for enumer
1218 \def\@enloop@{%
1219 \ifx entemp@          \def\@tempa{\@enLabel\harfi } \else
1220 \ifx entemp@          \def\@tempa{\@enLabel\adadi } \else
1221 \ifx entemp@          \def\@tempa{\@enLabel\tartibi } \else
1222 \ifx A\@entemp        \def\@tempa{\@enLabel\Alph } \else
1223 \ifx a\@entemp        \def\@tempa{\@enLabel\alph } \else
1224 \ifx i\@entemp        \def\@tempa{\@enLabel\roman } \else
1225 \ifx I\@entemp        \def\@tempa{\@enLabel\Roman } \else
1226 \ifx 1\@entemp        \def\@tempa{\@enLabel\arabic} \else
1227 \ifx \@sptoken\@entemp \let\@tempa\@enSpace          \else
1228 \ifx \bgroup\@entemp   \let\@tempa\@enGroup           \else
1229 \ifx \@enum@\@entemp   \let\@tempa\@gobble            \else
1230 \ifx \@enOther        \let\@tempa\@enOther
1231 \ifx \@enhook         \let\@tempa\@enhook
1232 \ifx \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1233 \@tempa}

```

## 24 File enumitem-xetex-xepersian.def

```

1234 \ProvidesFile{enumitem-xetex-xepersian.def}[2017/09/06 v0.1 xepersian adaptations for enumitem
1235 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1236 \AddEnumerateCounter*\adadi\@adadi{999999999}
1237 \AddEnumerateCounter\harfi\@harfi{ }
1238 \AddEnumerateCounter\Abjad\@Abjad{ }
1239 \AddEnumerateCounter\abjad\@abjad{ }
1240 \SetEnumerateShortLabel{ }{\tartibi*}
1241 \SetEnumerateShortLabel{ }{\adadi*}
1242 \SetEnumerateShortLabel{ }{\harfi*}
1243 \SetEnumerateShortLabel{ }{\Abjad*}
1244 \SetEnumerateShortLabel{ }{\abjad*}

```

## 25 File latex-localize-environments-xetex-xepersian.def

```

1245 \ProvidesFile{latex-localize-environments-xetex-xepersian.def}[2022/06/06 v0.3 Persian localiz
1246 \eqenvironment{ }{abstract}
1247 \eqenvironment{ }{appendix}
1248 \eqenvironment{ }{array}
1249 \eqenvironment{ }{center}

```



```

1250 \eqenvironment{ }{description}
1251 \eqenvironment{ }{displaymath}
1252 \EqEnvironment{ }{document}
1253 \eqenvironment{ }{enumerate}
1254 \eqenvironment{ }{figure}
1255 \eqenvironment{ *}{figure*}
1256 \eqenvironment{ }{filecontents}
1257 \eqenvironment{ *}{filecontents*}
1258 \eqenvironment{ }{flushleft}
1259 \eqenvironment{ }{flushright}
1260 \eqenvironment{ }{itemize}
1261 \eqenvironment{ }{letter}
1262 \eqenvironment{ }{list}
1263 \eqenvironment{ }{longtable}
1264 \eqenvironment{ }{lrbox}
1265 \eqenvironment{ }{math}
1266 \eqenvironment{ }{matrix}
1267 \eqenvironment{ }{minipage}
1268 \eqenvironment{ }{multline}
1269 \eqenvironment{ }{note}
1270 \eqenvironment{ }{overlay}
1271 \eqenvironment{ }{picture}
1272 \eqenvironment{ }{quotation}
1273 \eqenvironment{ }{quote}
1274 \eqenvironment{ }{slide}
1275 \eqenvironment{ }{sloppypar}
1276 \eqenvironment{ }{split}
1277 \eqenvironment{ }{subarray}
1278 \eqenvironment{ }{tabbing}
1279 \eqenvironment{ }{table}
1280 \eqenvironment{ *}{table*}
1281 \eqenvironment{ }{tabular}
1282 \eqenvironment{ *}{tabular*}
1283 \eqenvironment{ }{thebibliography}
1284 \eqenvironment{ }{theindex}
1285 \eqenvironment{ }{titlepage}
1286 \eqenvironment{ }{trivlist}
1287 \eqenvironment{ }{verse}

```

## 26 [File xepersian-localize-environments-xetex-xepersian.def](#)

```

1288 \ProvidesFile{xepersian-localize-environments-xetex-xepersian.def}[2010/07/25 v0.1 Persian 1
1289 \eqenvironment{ }{latin}
1290 \eqenvironment{ }{LTR}
1291 \eqenvironment{ }{LTRitems}
1292 \eqenvironment{ }{modernpoem}
1293 \eqenvironment{ *}{modernpoem*}
1294 \eqenvironment{ }{persian}
1295 \eqenvironment{ }{RTL}
1296 \eqenvironment{ }{RTLitems}
1297 \eqenvironment{ }{traditionalpoem}
1298 \eqenvironment{ *}{traditionalpoem*}

```



## 27 File extarticle-xetex-xepersian.def

```
1299 \ProvidesFile{extarticle-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extar
1300 \renewcommand\thepart      {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302   \setcounter{section}{0}%
1303   \setcounter{subsection}{0}%
1304   \gdef\thesection{\@harfi\c@section}}
```

## 28 File extbook-xetex-xepersian.def

```
1305 \ProvidesFile{extbook-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extbook
1306 \renewcommand\frontmatter{%
1307   \cleardoublepage
1308   \@mainmatterfalse
1309   \pagenumbering{harfi}}
1310 \renewcommand \thepart {\@tartibi\c@part}
1311 \renewcommand\appendix{\par
1312   \setcounter{chapter}{0}%
1313   \setcounter{section}{0}%
1314   \gdef\@chapapp{\appendixname}%
1315   \gdef\thechapter{\@harfi\c@chapter}
1316 }%end appendix
```

## 29 File extrafootnotefeatures-xetex-bidi-xetex-xepersian.def

```
1317 \ProvidesFile{extrafootnotefeatures-xetex-bidi-xetex-xepersian.def}[2012/01/01 v0.2 xepersian
1318 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1319 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1320 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

## 30 File extreport-xetex-xepersian.def

```
1321 \ProvidesFile{extreport-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extrep
1322 \renewcommand\thepart      {\@tartibi\c@part}
1323 \renewcommand\appendix{\par
1324   \setcounter{chapter}{0}%
1325   \setcounter{section}{0}%
1326   \gdef\@chapapp{\appendixname}%
1327   \gdef\thechapter{\@harfi\c@chapter}}
```

## 31 File fancyref-xetex-xepersian.def

```
1328 \ProvidesFile{fancyref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for fancyr
1329 \renewcommand*\Frefchapname{\chaptername}
1330 \renewcommand*\Frefenumname{%
1331   \if@RTL
1332 %
1333   \else
1334     Item%
1335   \fi
1336 }
1337 \renewcommand*\Frefeqname{%
1338   \if@RTL
```



```

1339 %
1340 \else
1341 Equation%
1342 \fi
1343 }
1344 \renewcommand*{\Freffigname}{\figurename}
1345 \renewcommand*{\Freffnname}{%
1346 \if@RTL
1347 %
1348 \else
1349 Footnote%
1350 \fi
1351 }
1352 \renewcommand*{\Frefonname}{%
1353 \if@RTL
1354 %
1355 \else
1356 On%
1357 \fi
1358 }
1359 \renewcommand*{\Frefpgname}{\pagename}
1360 \renewcommand*{\Frefsecname}{%
1361 \if@RTL
1362 %
1363 \else
1364 Section%
1365 \fi
1366 }
1367 \renewcommand*{\Frefseename}{%
1368 \if@RTL
1369 %
1370 \else
1371 See%
1372 \fi
1373 }
1374 \renewcommand*{\Frefstabname}{\tablename}
1375 \renewcommand*{\Freffigshortname}{%
1376 \if@RTL
1377 \Freffigname
1378 \else
1379 Fig.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefpgshortname}{%
1383 \if@RTL
1384 \Frefpgname
1385 \else
1386 P.%
1387 \fi
1388 }
1389 \renewcommand*{\Frefstabshortname}{%
1390 \if@RTL
1391 \tablename
1392 \else

```



```

1393     Tab.%
1394     \fi
1395 }
1396 \renewcommand*{\frefchapname}{%
1397   \if@RTL
1398     \Frefchapname
1399   \else
1400     \MakeLowercase{\Frefchapname}%
1401 \fi
1402 }
1403 \renewcommand*{\frefenumname}{%
1404   \if@RTL
1405     \Frefenumname
1406   \else
1407     \MakeLowercase{\Frefenumname}%
1408 \fi
1409 }
1410 \renewcommand*{\frefeqname}{%
1411   \if@RTL
1412     \Frefeqname
1413   \else
1414     \MakeLowercase{\Frefeqname}%
1415 \fi
1416 }
1417 \renewcommand*{\freffigname}{%
1418   \if@RTL
1419     \Freffigname
1420   \else
1421     \MakeLowercase{\Freffigname}%
1422 \fi
1423 }
1424 \renewcommand*{\freffname}{%
1425   \if@RTL
1426     \Freffname
1427   \else
1428     \MakeLowercase{\Freffname}%
1429 \fi
1430 }
1431 \renewcommand*{\frefonname}{%
1432   \if@RTL
1433     \Frefonname
1434   \else
1435     \MakeLowercase{\Frefonname}%
1436 \fi
1437 }
1438 \renewcommand*{\frefpgname}{%
1439   \if@RTL
1440     \Frefpgname
1441   \else
1442     \MakeLowercase{\Frefpgname}%
1443 \fi
1444 }
1445 \renewcommand*{\frefsecname}{%
1446   \if@RTL

```



```

1447     \Frefsecname
1448   \else
1449     \MakeLowercase{\Frefsecname}%
1450   \fi
1451 }
1452 \renewcommand*{\frefseenname}{%
1453   \if@RTL
1454     \Frefseenname
1455   \else
1456     \MakeLowercase{\Frefseenname}%
1457   \fi
1458 }
1459 \renewcommand*{\frefstabname}{%
1460   \if@RTL
1461     \Frefstabname
1462   \else
1463     \MakeLowercase{\Frefstabname}%
1464   \fi
1465 }
1466 \renewcommand*{\freffigshortname}{%
1467   \if@RTL
1468     \Freffigshortname
1469   \else
1470     \MakeLowercase{\Freffigshortname}%
1471   \fi
1472 }
1473 \renewcommand*{\frefpgshortname}{%
1474   \if@RTL
1475     \Frefpgshortname
1476   \else
1477     \MakeLowercase{\Frefpgshortname}%
1478   \fi
1479 }
1480 \renewcommand*{\frefstabshortname}{%
1481   \if@RTL
1482     \Frefstabshortname
1483   \else
1484     \MakeLowercase{\Frefstabshortname}%
1485   \fi
1486 }

```

### 32 File footnote-xetex-bidi-xetex-xepersian.def

```

1487 \ProvidesFile{footnote-xetex-bidi-xetex-xepersian.def}[2017/08/09 v0.6 xepersian adaptations
1488
1489 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1490
1491 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1492
1493 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1494

```

### 33 File framed-xetex-xepersian.def





```

1495 \ProvidesFile{framed-xetex-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed pa
1496 \renewenvironment{titled-frame}[1]{%
1497   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1498     \TitleBarFrame{\textbf{#1}}}%
1499   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1500     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1501   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1502     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1503   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1504     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\   cont\fi)}}}%
1505   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1506 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1507 % could interfere with the width measurement.
1508 {\endMakeFramed}

```

### 34 File glossaries-xetex-xepersian.def

```

1509 \ProvidesFile{glossaries-xetex-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for gloss
1510 \glsaddprotectedpagefmt{@harfi}
1511 \glsaddprotectedpagefmt{@tartibi}
1512 \glsaddprotectedpagefmt{@adadi}

```

### 35 File hyperref-xetex-xepersian.def

```

1513 \ProvidesFile{hyperref-xetex-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperre
1514 \def\equationautorefname{\if@RTL else\   Equation\fi}%
1515 \def\footnoteautorefname{\if@RTL else\   footnote\fi}%
1516 \def\itemautorefname{\if@RTL else\   item\fi}%
1517 \def\figureautorefname{\if@RTL else\   Figure\fi}%
1518 \def\tableautorefname{\if@RTL else\   Table\fi}%
1519 \def\partautorefname{\if@RTL else\   Part\fi}%
1520 \def\appendixautorefname{\if@RTL else\   Appendix\fi}%
1521 \def\chapterautorefname{\if@RTL else\   chapter\fi}%
1522 \def\sectionautorefname{\if@RTL else\   section\fi}%
1523 \def\subsectionautorefname{\if@RTL else\   subsection\fi}%
1524 \def\subsubsectionautorefname{\if@RTL else\   subsubsection\fi}%
1525 \def\paragraphautorefname{\if@RTL else\   paragraph\fi}%
1526 \def\subparagraphautorefname{\if@RTL else\   subparagraph\fi}%
1527 \def\FancyVerbLineautorefname{\if@RTL else\   line\fi}%
1528 \def\theoremautorefname{\if@RTL else\   Theorem\fi}%
1529 \def\pageautorefname{\if@RTL else\   page\fi}%
1530 \ifHy@implicit
1531 \AtBeginDocument{%
1532   \let\HyOrg@appendix\appendix
1533   \def\appendix{%
1534     \ltx@ifundefined{chapter}%
1535       {\gdef\theHsection{\Alph{section}}}%
1536       {\gdef\theHchapter{\Alph{chapter}}}%
1537     \xdef\Hy@chapapp{\Hy@appendixstring}%
1538     \HyOrg@appendix
1539   }%
1540 }%
1541 \fi
1542 \pdfstringdefDisableCommands{%

```



```

1543 \let\lr\@firstofone
1544 \let\rl\@firstofone
1545 \def\XePersian{XePersian}%
1546 }
1547 \ltx@ifundefined{@resets@pp}{%
1548 }{%
1549 \let\HyOrg@resets@pp\@resets@pp
1550 \def\@resets@pp{%
1551 \ltx@ifundefined{chapter}{%
1552 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1553 }{%
1554 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1555 }%
1556 \xdef\Hy@chapapp{\Hy@appendixstring}%
1557 \HyOrg@resets@pp
1558 }%
1559 }

```

### 36 File `imsproc-xetex-xepersian.def`

```

1560 \ProvidesFile{imsproc-xetex-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc
1561
1562 \renewcommand \thepart {\@tartibi\c@part}
1563 \def\appendix{\par\c@section\z@ \c@subsection\z@
1564 \let\sectionname\appendixname
1565 \def\thesection{\@harfi\c@section}}
1566

```

### 37 File `kashida-xetex-xepersian.def`

```

1567 \ProvidesFile{kashida-xetex-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for XeTeX
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@dualjoiner=10 % dual-joiner class
1572 \chardef\xepersian@lam=11 % lam
1573 \chardef\xepersian@rightjoiner=12 % right-joiner
1574 \chardef\xepersian@alef=13 % alef
1575 \chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578 \if@Kashida@on
1579 \xepersian@zwj
1580 \nobreak
1581 \leaders\hrule height \XeTeXglyphbounds\tw@
1582 \the\XeTeXcharglyph\xepersian@kashidachar
1583 depth \XeTeXglyphbounds\ff@ur
1584 \the\XeTeXcharglyph\xepersian@kashidachar
1585 \hskip0pt plus 0.5em
1586 \xepersian@zwj
1587 \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1591 \expandafter\dosetclass\charlist,\end}
1592 \def\dosetclass#1,#2\end{%
1593 \def\test{#1}\def\charlist{#2}%
1594 \ifx\test\empty\let\next\finishsetclass
1595 \else \XeTeXcharclass "\test = \theclass
1596 \let\next\dosetclass \fi
1597 \expandafter\next\charlist,,\end}
1598 \def\finishsetclass#1,,\end{}
1599
1600 \setclass \xepersian@alef {0622,0623,0625,0627}
1601 \setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
1602 \setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
1603 \setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
1604 \setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1605 \setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
1606 \setclass \xepersian@lam {0644}
1607 \setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}
1608
1609 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
1610 \XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
1611 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
1612 \XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
1613 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
1614 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
1615 \XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
1616 \XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}
1617
1618 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1619 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1620
1621 \KashidaOn

```

## 38 File listings-xetex-xepersian.def

```

1622 \ProvidesFile{listings-xetex-xepersian.def}[2014/07/17 v0.3 xepersian adaptations for listings]
1623 \def\lstlistingname{\if@RTL else\ Listing\fi}
1624 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

## 39 File localize-xetex-xepersian.def

```

1625 \ProvidesFile{localize-xetex-xepersian.def}[2025/01/06 v0.2e Persian localization of LaTeX2e]
1626 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1627 \makezwnjletter
1628 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1629 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1630 \if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{\csname#2\endcsname}}{\csname#2\endcsname}}
1631 \newcommand*{\EqEnvironment}[2]{%
1632 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1633 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1634 }
1635 \newcommand*\keyval@eq@alias@key[4][KV]{%
1636 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1637 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1638 }

```



```

1639 \input{latex-localize-commands-xetex-xepersian.def}
1640 \input{xepersian-localize-commands-xetex-xepersian.def}
1641 \input{latex-localize-environments-xetex-xepersian.def}
1642 \input{xepersian-localize-environments-xetex-xepersian.def}
1643 \input{latex-localize-messages-xetex-xepersian.def}
1644 \input{latex-localize-misc-xetex-xepersian.def}
1645 \input{packages-localize-xetex-xepersian.def}
1646 \aliasfontfeature{ExternalLocation}{ }
1647 \aliasfontfeature{Path}{ }
1648 \aliasfontfeature{Renderer}{ }
1649 \aliasfontfeature{BoldFont}{ }
1650 \aliasfontfeature{Language}{ }
1651 \aliasfontfeature{Script}{ }
1652 \aliasfontfeature{UprightFont}{ }
1653 \aliasfontfeature{ItalicFont}{ }
1654 \aliasfontfeature{BoldItalicFont}{ }
1655 \aliasfontfeature{SlantedFont}{ }
1656 \aliasfontfeature{BoldSlantedFont}{ }
1657 \aliasfontfeature{SmallCapsFont}{ }
1658 \aliasfontfeature{UprightFeatures}{ }
1659 \aliasfontfeature{BoldFeatures}{ }
1660 \aliasfontfeature{ItalicFeatures}{ }
1661 \aliasfontfeature{BoldItalicFeatures}{ }
1662 \aliasfontfeature{SlantedFeatures}{ }
1663 \aliasfontfeature{BoldSlantedFeatures}{ }
1664 \aliasfontfeature{SmallCapsFeatures}{ }
1665 \aliasfontfeature{SizeFeatures}{ }
1666 \aliasfontfeature{Scale}{ }
1667 \aliasfontfeature{WordSpace}{ }
1668 \aliasfontfeature{PunctuationSpace}{ }
1669 \aliasfontfeature{FontAdjustment}{ }
1670 \aliasfontfeature{LetterSpace}{ }
1671 \aliasfontfeature{HyphenChar}{ }
1672 \aliasfontfeature{Color}{ }
1673 \aliasfontfeature{Opacity}{ }
1674 \aliasfontfeature{Mapping}{ }
1675 \aliasfontfeature{Weight}{ }
1676 \aliasfontfeature{Width}{ }
1677 \aliasfontfeature{OpticalSize}{ }
1678 \aliasfontfeature{FakeSlant}{ }
1679 \aliasfontfeature{FakeStretch}{ }
1680 \aliasfontfeature{FakeBold}{ }
1681 \aliasfontfeature{AutoFakeSlant}{ }
1682 \aliasfontfeature{AutoFakeBold}{ }
1683 \aliasfontfeature{Ligatures}{ }
1684 \aliasfontfeature{Alternate}{ }
1685 \aliasfontfeature{Variant}{ }
1686 \aliasfontfeature{Variant}{ }
1687 \aliasfontfeature{CharacterVariant}{ }
1688 \aliasfontfeature{Style}{ }
1689 \aliasfontfeature{Annotation}{ }
1690 \aliasfontfeature{RawFeature}{ }
1691 \aliasfontfeature{CharacterWidth}{ }
1692 \aliasfontfeature{Numbers}{ }

```



```

1693 \aliasfontfeature{Contextuals}{ }
1694 \aliasfontfeature{Diacritics}{ }
1695 \aliasfontfeature{Letters}{ }
1696 \aliasfontfeature{Kerning}{ }
1697 \aliasfontfeature{VerticalPosition}{ }
1698 \aliasfontfeature{Fractions}{ }
1699 \aliasfontfeatureoption{Language}{Default}{ }
1700 \aliasfontfeatureoption{Language}{Persian}{ }
1701 \aliasfontfeatureoption{Script}{Persian}{ }
1702 \aliasfontfeatureoption{Script}{Latin}{ }
1703 \aliasfontfeatureoption{Style}{MathScript}{ }
1704 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 40 File memoir-xetex-xepersian.def

```

1705 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir c
1706 \renewcommand{\@memfront}{%
1707   \@smemfront\pagenumbering{harfi}}
1708 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1709 \renewcommand*{\thebook}{\@tartibi\c@book}
1710 \renewcommand*{\thepart}{\@tartibi\c@part}
1711 \renewcommand{\appendix}{\par
1712   \setcounter{chapter}{0}%
1713   \setcounter{section}{0}%
1714   \gdef\@chapapp{\appendixname}%
1715   \gdef\thechapter{\@harfi\c@chapter}%
1716   \anappendixtrue}

```

## 41 File latex-localize-messages-xetex-xepersian.def

```

1717 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e mes

```

## 42 File minitoc-xetex-xepersian.def

```

1718 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc
1719 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1720 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1721 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1722 \def\mtctitle{\if@RTL else\ Contents\fi}%
1723 \def\mlftitle{\if@RTL else\ Figures\fi}%
1724 \def\mltttitle{\if@RTL else\ Tables\fi}%
1725 \def\stctitle{\if@RTL else\ Contents\fi}%
1726 \def\slftitle{\if@RTL else\ Figures\fi}%
1727 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

## 43 File latex-localize-misc-xetex-xepersian.def

```

1728 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian
1729 %}1# \ \
1730 \@ \ @ \ \
1731 \1# \
1732 \1# @\
1733 \1# @\
1734 {\@ \ \

```



```

1735 %}2#1# @\ \
1736 %1# \ @\ \ \ \ \
1737 \2# \ @\ \
1738 {{2#1# \}}
1739 undefined\ \ \
1740
1741 %{ \ \ \ \1#} \ \} \1# \ \
1742 \ \ { \ \ \ \
1743 \ \ \
1744
1745
1746 \ \ \ \%} \#1
1747 \1#} \ \ \% \
1748 \ \ \ \ \
1749 }%
1750 \
1751 \ \ \
1752 }
1753 \= \ \
1754
1755
1756 \ApplyPatchCodeToFile{latex-xetex-bidi}{%
1757 \def\xfloat #1[#2]{%
1758 \nodocument
1759 \def \capttype {#1}%
1760 \def \@fps {#2}%
1761 \@onelevel@sanitize \@fps
1762 \def \reserved@b {!}%
1763 \ifx \reserved@b \@fps
1764 \@fpsadddefault
1765 \else
1766 \ifx \@fps \@empty
1767 \@fpsadddefault
1768 \fi
1769 \fi
1770 \ifhmode
1771 \@bsphack
1772 \@floatpenalty -\@Mii
1773 \else
1774 \@floatpenalty-\@Miii
1775 \fi
1776 \ifinner
1777 \@parmoderr\@floatpenalty\z@
1778 \else
1779 \@next\@currbox\@freelist
1780 {%
1781 \@tempcnta \sixt@@n
1782 \expandafter \@tfor \expandafter \reserved@a
1783 \expandafter :\expandafter =\@fps
1784 \do
1785 {%
1786 \if \reserved@a h%
1787 \ifodd \@tempcnta
1788 \else

```



```

1789         \advance \@tempcnta \@ne
1790         \fi
1791     \fi
1792     \if \reserved@a %
1793         \ifodd \@tempcnta
1794         \else
1795             \advance \@tempcnta \@ne
1796         \fi
1797     \fi
1798     \if \reserved@a t%
1799         \@setfpsbit \tw@
1800     \fi
1801     \if \reserved@a %
1802         \@setfpsbit \tw@
1803     \fi
1804     \if \reserved@a b%
1805         \@setfpsbit 4%
1806     \fi
1807     \if \reserved@a %
1808         \@setfpsbit 4%
1809     \fi
1810     \if \reserved@a p%
1811         \@setfpsbit 8%
1812     \fi
1813     \if \reserved@a %
1814         \@setfpsbit 8%
1815     \fi
1816     \if \reserved@a !%
1817         \ifnum \@tempcnta>15
1818             \advance\@tempcnta -\sixt@n\relax
1819         \fi
1820     \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capytype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827 \let\@fltovf
1828 \fi
1829 \global \setbox\@currbox
1830 \color@vbox
1831 \normalcolor
1832 \vbox \bgroup
1833 \hsize\columnwidth
1834 \@parboxrestore
1835 \@floatboxreset
1836 }
1837 \let\bm@ \bm@c
1838 \let\bm@ \bm@l
1839 \let\bm@ \bm@r
1840 \let\bm@ \bm@b
1841 \let\bm@ \bm@t
1842 \let\bm@ \bm@s

```



```

1843 \long\def\@iiiparbox#1#2[#3]#4#5{%
1844 \leavevmode
1845 \@pboxswfalse
1846 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1847 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1848 \setlength\@tempdima{#4}%
1849 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1850 \ifx\relax#2\else
1851 \setlength\@tempdimb{#2}%
1852 \edef\@parboxto{to\the\@tempdimb}%
1853 \fi
1854 \if#1b\vbox
1855 \else\if#1\vbox
1856 \else\if #1t\vtop
1857 \else\if vtop\ #1
1858 \else\ifmmode\vcenter
1859 \else\@pboxswtrue $\vcenter
1860 \fi\fi\fi\fi\fi
1861 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1862 \csname bm@#3\endcsname}%
1863 \if@pboxsw \m@th$\fi
1864 \@end@tempboxa}
1865 \def\@iiiminipage#1#2[#3]#4{%
1866 \leavevmode
1867 \@pboxswfalse
1868 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1869 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1870 \setlength\@tempdima{#4}%
1871 \def\@mpargs{#1}#2[#3]{#4}%
1872 \setbox\@tempboxa\vbox\bgroup
1873 \color@begingroup
1874 \hsize\@tempdima
1875 \textwidth\hsize \columnwidth\hsize
1876 \@parboxrestore
1877 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1878 \let\@footnotetext\@mpfootnotetext
1879 \let\@LTRfootnotetext\@mpLTRfootnotetext
1880 \let\@RTLfootnotetext\@mpRTLfootnotetext
1881 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1882 \@minipagerestore
1883 \@setminipage}
1884 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1885 \ifnum \@lastchclass=3 5 \else
1886 \z@ \if #1c\@chnum \z@ \else
1887 \if chnum@ \ #1 \z@ \else
1888 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1889 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1890 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1891 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1892 \@chclass \if #1\@ne \else
1893 \if #1@\tw@ \else
1894 \if #1p3 \else
1895 \if 3#1 \else \z@ \@preamerr 0\fi
1896 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```





```

1897 \fi}%
1898 }
1899 \ApplyPatchCodeToFile{array-xetex-bidi}{%
1900 \def\@testpach{\@chclass
1901 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1902 \ifnum \@lastchclass=7 5 \else
1903 \ifnum \@lastchclass=8 \tw@ \else
1904 \ifnum \@lastchclass=9 \thr@@
1905 \else \z@
1906 \ifnum \@lastchclass = 10 \else
1907 \edef\@nextchar{\expandafter\string\@nextchar}%
1908 \@chnum
1909 \if \@nextchar c\z@ \else
1910 \if \@nextchar @z\ \else
1911 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1912 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1913 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1914 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1915 \z@ \@chclass
1916 \if \@nextchar |\@ne \else
1917 \if \@nextchar !6 \else
1918 \if \@nextchar @7 \else
1919 \if \@nextchar <8 \else
1920 \if \@nextchar >9 \else
1921 10
1922 \@chnum
1923 \if \@nextchar m\thr@@\else
1924 \if \@nextchar thr@@\else\
1925 \if \@nextchar p4 \else
1926 \if \@nextchar 4 \else
1927 \if \@nextchar b5 \else
1928 \if \@nextchar 5 \else
1929 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1930 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1931 }
1932 \ApplyPatchCodeToFile{arydshln-xetex-bidi}{
1933 \ifadl@usingarypkg
1934 \def\@testpach{\@chclass
1935 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1936 \ifnum \@lastchclass=7 5 \else
1937 \ifnum \@lastchclass=8 \tw@ \else
1938 \ifnum \@lastchclass=9 \thr@@
1939 \else \z@
1940 \ifnum \@lastchclass = 10 \else
1941 \edef\@nextchar{\expandafter\string\@nextchar}%
1942 \@chnum
1943 \if \@nextchar c\z@ \else
1944 \if \@nextchar @z\ \else
1945 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1946 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1947 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1948 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1949 \z@ \@chclass
1950 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```



```

1951 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1952 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1953 \if \@nextchar !6 \else
1954 \if \@nextchar @7 \else
1955 \if \@nextchar <8 \else
1956 \if \@nextchar >9 \else
1957 10
1958 \@chnum
1959 \if \@nextchar m\thr@@\else
1960 \if \@nextchar thr@@\else\
1961 \if \@nextchar p4 \else
1962 \if \@nextchar 4 \else
1963 \if \@nextchar b5 \else
1964 \if \@nextchar 5 \else
1965 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1966 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1967
1968 \def\@classz{\@classx
1969 \@tempcnta \count@
1970 \prepnext@tok
1971 \@addtopreamble{\ifcase \@chnum
1972 \hfil
1973 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1974 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1975 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1976 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1977 \adl@endmbox\or
1978 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1979 \setbox\adl@box\ vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1980 \fi}\prepnext@tok}
1981 \def\adl@class@start{4}
1982 \def\adl@class@iiiiorvii{7}
1983
1984 \else
1985 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1986 \ifnum \@lastchclass=\thr@@ 5\relax \else
1987 \z@ \if #1c\@chnum \z@ \else
1988 \if @chnum\z@\ #1 \else
1989 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1990 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1991 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1992 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1993 \@chclass
1994 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1995 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1996 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1997 \if #1@\tw@ \else
1998 \if #1p\thr@@ \else
1999 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2000 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2001
2002 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2003 \or \or \@addamp \or
2004 \@acolampacol \or \@firststampfalse \@acol \fi

```



```

2005     \edef\@preamble{\@preamble
2006         \ifcase \@chnum
2007             \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2008             \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2009             \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2010 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2011     \or \or \@addamp \or
2012     \@acolampacol \or \@firstampfalse \@acol \fi
2013     \edef\@preamble{\@preamble
2014     \ifcase \@chnum
2015         \hfil\adl@putlrc{\@sharp\unskip}\hfil
2016         \or \adl@putlrc{\@sharp\unskip}\hfil
2017         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2018 \def\adl@class@start{6}
2019 \def\adl@class@iiiorvii{3}
2020 \fi
2021 }
2022 \ApplyPatchCodeToFile{tabulary-xetex-bidi}{%
2023 \def\@testpach{\@chclass
2024 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2025 \ifnum \@lastchclass=7 5 \else
2026 \ifnum \@lastchclass=8 \tw@ \else
2027 \ifnum \@lastchclass=9 \thr@@
2028 \else \z@
2029 \ifnum \@lastchclass = 10 \else
2030 \edef\@nextchar{\expandafter\string\@nextchar}%
2031 \@chnum
2032 \if \@nextchar c\z@ \else
2033 \if \@nextchar @z\ \else
2034 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2035 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2036 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2037 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2038 \if \@nextchar C7 \else
2039 \if \@nextchar 7 \else
2040 \if \@nextchar L8 \else
2041 \if \@nextchar 8 \else
2042 \if \@nextchar R9 \else
2043 \if \@nextchar 9 \else
2044 \if \@nextchar J10 \else
2045 \if \@nextchar 10 \else
2046 \z@ \@chclass
2047 \if\@nextchar |\@ne \else
2048 \if \@nextchar !6 \else
2049 \if \@nextchar @7 \else
2050 \if \@nextchar <8 \else
2051 \if \@nextchar >9 \else
2052 10
2053 \@chnum
2054 \if \@nextchar m\thr@@\else
2055 \if \@nextchar thr@@\else\
2056 \if \@nextchar p4 \else
2057 \if \@nextchar4 \else
2058 \if \@nextchar b5 \else

```



```

2059 \if \@nextchar 5 \else
2060 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2061 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2062 }
2063 \ApplyPatchCodeToFile{float-xetex-bidi}{%
2064 \let\@float@Hx\@xfloat
2065 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH#1}][\@ifnextchar{ }{\@float@{1#} ][\@float@Hx{#
2066 \def\@float@HH#1[H]{%
2067 \expandafter\let\csname end#1\endcsname\float@endH
2068 \let\@currbox\float@box
2069 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2070 \expandafter\ifx\csname fst@#1\endcsname\relax
2071 \@fstylefalse\else\@fstyletrue\fi
2072 \setbox\@currbox\color@vbox\normalcolor
2073 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2074 \@floatboxreset \@setnobreak
2075 \ignorespaces}
2076 \def\@float@[ ]#1 {%
2077 \expandafter\let\csname end#1\endcsname\float@endH
2078 \let\@currbox\float@box
2079 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2080 \expandafter\ifx\csname fst@#1\endcsname\relax
2081 \@fstylefalse\else\@fstyletrue\fi
2082 \setbox\@currbox\color@vbox\normalcolor
2083 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2084 \@floatboxreset \@setnobreak
2085 \ignorespaces}
2086 }
2087 \begingroup \catcode `|=0 \catcode `[= 1
2088 \catcode`=2 \catcode ``={12 \catcode ``}=12
2089 \catcode`\\=12 |gdef|@x@xepersian@localize@verbatim#1\[[ ] |1#|{ }
2090 |gdef|@sx@xepersian@localize@verbatim#1\[[* ] |1#|{* }
2091 |endgroup
2092 \def\ { \verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2093 \def\end { \if@newlist \leavevmode\fi\endtrivlist}
2094 \ExplSyntaxOn
2095 \AtBeginDocument{\@namedef{ *}{\verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2096 \ExplSyntaxOff
2097 \expandafter\let\csname end * \endcsname =\end

```

## 44 File natbib-xetex-xepersian.def

```

2098 \ProvidesFile{natbib-xetex-xepersian.def}[2011/08/01 v0.1 xepersian adaptations for natbib pa
2099 \renewcommand\NAT@set@cites{%
2100 \ifNAT@numbers
2101 \ifNAT@super \let\@cite\NAT@citesuper
2102 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2103 \let\citeyearpar=\citeyear
2104 \let\NAT@space\relax
2105 \def\NAT@super@kern{\kern\p@}%
2106 \else
2107 \let\NAT@mbox=\mbox
2108 \let\@cite\NAT@citenum
2109 \let\NAT@space\NAT@spacechar

```



```

2110     \let\NAT@super@kern\relax
2111     \fi
2112     \let\@citex\NAT@citexnum
2113 \let\@Latincitex\NAT@Latin@citexnum
2114     \let\@biblabel\NAT@biblabelnum
2115     \let\@bibsetup\NAT@bibsetnum
2116     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2117     \def\natexlab##1{%
2118     \def\NAT@penalty{\penalty\@m}%
2119 \else
2120     \let\@cite\NAT@cite
2121     \let\@citex\NAT@citex
2122     \let\@Latincitex\NAT@Latin@citex
2123     \let\@biblabel\NAT@biblabel
2124     \let\@bibsetup\NAT@bibsetup
2125     \let\NAT@space\NAT@spacechar
2126     \let\NAT@penalty\@empty
2127     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2128     \def\natexlab##1{##1}%
2129 \fi}
2130 \newcommand\NAT@Latin@citex{}
2131 \def\NAT@Latin@citex%
2132   [#1][#2]#3{%
2133   \NAT@reset@parser
2134   \NAT@sort@cites{#3}%
2135   \NAT@reset@citea
2136   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2137   \@for\@citeb:=\NAT@cite@list\do
2138   {\@safe@activestruel
2139   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2140   \@safe@activesfalse
2141   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2142   {\reset@font\bfseries ?}\NAT@citeundefined
2143   \PackageWarning{natbib}%
2144   {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2145   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2146   \NAT@parse{\@citeb}%
2147   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2148     \let\NAT@name=\NAT@all@names
2149     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2150   \fi
2151   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2152     \let\NAT@nm\NAT@name\fi
2153   \ifNAT@swa\ifcase\NAT@ctype
2154     \if\relax\NAT@date\relax
2155     \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2156   \else
2157     \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2158     \ifx\NAT@last@yr\NAT@year
2159     \def\NAT@temp{?}%
2160     \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2161     {Multiple citation on page \thepage: same authors and
2162     year\MessageBreak without distinguishing extra
2163     letter,\MessageBreak appears as question mark}\fi

```



```

2164         \NAT@hyper@{\NAT@exlab}%
2165         \else\unskip\NAT@spacechar
2166         \NAT@hyper@{\NAT@date}%
2167         \fi
2168     \else
2169         \@citea\NAT@hyper@{%
2170         \NAT@nmfmt{\NAT@nm}%
2171         \hyper@natlinkbreak{%
2172         \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2173         }%
2174         \NAT@date
2175         }%
2176     \fi
2177 \fi
2178 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2179 \or\@citea\NAT@hyper@{\NAT@date}%
2180 \or\@citea\NAT@hyper@{\NAT@alias}%
2181 \fi \NAT@def@citea
2182 \else
2183     \ifcase\NAT@ctype
2184     \if\relax\NAT@date\relax
2185         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2186     \else
2187         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2188             \ifx\NAT@last@yr\NAT@year
2189                 \def\NAT@temp{?}%
2190                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2191                 {Multiple citation on page \thepage: same authors and
2192                 year\MessageBreak without distinguishing extra
2193                 letter,\MessageBreak appears as question mark}\fi
2194                 \NAT@hyper@{\NAT@exlab}%
2195             \else
2196                 \unskip\NAT@spacechar
2197                 \NAT@hyper@{\NAT@date}%
2198             \fi
2199         \else
2200             \@citea\NAT@hyper@{%
2201             \NAT@nmfmt{\NAT@nm}%
2202             \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2203             {\@citeb\@extra@b@citeb}%
2204             \NAT@date
2205             }%
2206         \fi
2207     \fi
2208 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2209 \or\@citea\NAT@hyper@{\NAT@date}%
2210 \or\@citea\NAT@hyper@{\NAT@alias}%
2211 \fi
2212 \if\relax\NAT@date\relax
2213     \NAT@def@citea
2214 \else
2215     \NAT@def@citea@close
2216 \fi
2217 \fi

```



```

2218     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2219     \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2220 \newcommand\NAT@Latin@citexnum{}
2221 \def\NAT@Latin@citexnum[#1][#2]#3{%
2222   \NAT@reset@parser
2223   \NAT@sort@cites{#3}%
2224   \NAT@reset@citea
2225   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\empty
2226     \for\@citeb:=\NAT@cite@list\do
2227     {\@safe@activestrue
2228       \edef\@citeb{\expandafter\@firstofone\@citeb\empty}}%
2229     \@safe@activesfalse
2230     \ifundefined{b@\@citeb\@extra@b@citeb}{%
2231       {\reset@font\bfseries?}
2232       \NAT@citeundefined\PackageWarning{natbib}%
2233       {Citation ``\@citeb' on page \thepage \space undefined}}%
2234     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2235       \NAT@parse{\@citeb}}%
2236     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2237       \let\NAT@name=\NAT@all@names
2238       \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2239     \fi
2240     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2241       \let\NAT@nm\NAT@name\fi
2242     \ifNAT@swa
2243       \@ifnum{\NAT@cotype>\@ne}{%
2244         \@citea
2245         \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2246       }{%
2247         \@ifnum{\NAT@cmprs>\z@}{%
2248           \NAT@ifcat@num\NAT@num
2249           {\let\NAT@nm=\NAT@num}%
2250           {\def\NAT@nm{-2}}%
2251           \NAT@ifcat@num\NAT@last@num
2252           {\@tempcnta=\NAT@last@num\relax}%
2253           {\@tempcnta\m@ne}%
2254           \@ifnum{\NAT@nm=\@tempcnta}{%
2255             \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2256           }{%
2257             \advance\@tempcnta by\@ne
2258             \@ifnum{\NAT@nm=\@tempcnta}{%
2259               \ifx\NAT@last@yr\relax
2260                 \def\NAT@last@yr{\@citea}%
2261               \else
2262                 \def\NAT@last@yr{--\NAT@penalty}%
2263             \fi
2264             }{%
2265               \NAT@last@yr@mbbox
2266             }%
2267           }%
2268         }{%
2269           \@tempswatrue
2270           \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}}%
2271         \if@tempswa\NAT@citea@mbbox\fi

```



```

2272     }%
2273   }%
2274   \NAT@def@citea
2275   \else
2276     \ifcase\NAT@ctype
2277     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2278     \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@@open}%
2279     \fi
2280     \if*#1*\else#1\NAT@spacechar\fi
2281     \NAT@mbbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2282     \NAT@def@citea@box
2283     \or
2284     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2285     \or
2286     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2287     \or
2288     \NAT@hyper@citea@space\NAT@alias
2289     \fi
2290   \fi
2291 }%
2292 }%
2293 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2294 \ifNAT@swa\else
2295 \@ifnum{\NAT@ctype=\z@}{%
2296 \if*#2*\else\NAT@cmt#2\fi
2297 }{%
2298 \NAT@mbbox{\NAT@@close}%
2299 \fi
2300 }}{#1}{#2}%
2301 }%
2302 \AtBeginDocument{\NAT@set@cites}
2303 \DeclareRobustCommand\Latincite
2304 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2305 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2306 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2307 \ifNAT@numbers\else
2308 \NAT@swafalse
2309 \fi
2310 \NAT@@Latin@@citetp[]}}
2311 \newcommand\NAT@@Latin@@citetp{
2312 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 45 File packages-localize-xetex-xepersian.def

```

2313 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2314 color} \}{color} @\-localize-xetex-xepersian.def}}{
2315 \ApplyPatchCodeToPackage{multicol}{%
2316 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2317 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2318 }
2319 \ApplyPatchCodeToPackage{verbatim}{%
2320 \begingroup
2321 \vrb@catcodes
2322 \lccode\!=\ \ \lccode\=[\ \lccode\]=\

```





```

2323 \catcode\-=\active \lccode\-=\^^M
2324 \lccode\C=\C
2325 \lowercase{\endgroup
2326   \def\xepersian@localize@verbatim@start#1{%
2327     \verbatim@startline
2328     \if\noexpand#1\noexpand~%
2329       \let\next\xepersian@localize@verbatim@
2330     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2331     \next}%
2332   \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2333   \def\xepersian@localize@verbatim@@#1! {%
2334     \verbatim@addtoline{#1}%
2335     \futurelet\next\xepersian@localize@verbatim@@@}%
2336   \def\xepersian@localize@verbatim@@@#1\@nil{%
2337     \ifx\next\@nil
2338       \verbatim@processline
2339       \verbatim@startline
2340       \let\next\xepersian@localize@verbatim@
2341     \else
2342       \def\@tempa##1! \@nil{##1}%
2343       \@temptokena{! }%
2344       \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2345     \fi \next}%
2346   \def\xepersian@localize@verbatim@test#1{%
2347     \let\next\xepersian@localize@verbatim@test
2348     \if\noexpand#1\noexpand~%
2349       \expandafter\verbatim@addtoline
2350       \expandafter{\the\@temptokena}%
2351       \verbatim@processline
2352       \verbatim@startline
2353       \let\next\xepersian@localize@verbatim@
2354     \else \if\noexpand#1
2355       \@temptokena\expandafter{\the\@temptokena#1}%
2356     \else \if\noexpand#1\noexpand[%
2357       \let\@tempc\@empty
2358       \let\next\xepersian@localize@verbatim@testend
2359     \else
2360       \expandafter\verbatim@addtoline
2361       \expandafter{\the\@temptokena}%
2362       \def\next{\xepersian@localize@verbatim@#1}%
2363     \fi\fi\fi
2364     \next}%
2365   \def\xepersian@localize@verbatim@testend#1{%
2366     \if\noexpand#1\noexpand~%
2367       \expandafter\verbatim@addtoline
2368       \expandafter{\the\@temptokena []}%
2369       \expandafter\verbatim@addtoline
2370       \expandafter{\@tempc}%
2371       \verbatim@processline
2372       \verbatim@startline
2373       \let\next\xepersian@localize@verbatim@
2374     \else\if\noexpand#1\noexpand[%
2375       \let\next\xepersian@localize@verbatim@@testend
2376     \else\if\noexpand#1\noexpand!%

```



```

2377         \expandafter\verbatim@addtoline
2378         \expandafter{\the\@temptokena []}%
2379         \expandafter\verbatim@addtoline
2380         \expandafter{\@tempc}%
2381         \def\next{\xepersian@localize@verbatim@!}%
2382         \else \expandafter\def\expandafter\@tempc\expandafter
2383         {\@tempc#1}\fi\fi\fi
2384         \next}%
2385 \def\xepersian@localize@verbatim@@testend{%
2386 \ifx\@tempc\@currenvir
2387 \verbatim@finish
2388 \edef\next{\noexpand\end{\@currenvir}%
2389 \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2390 \else
2391 \expandafter\verbatim@addtoline
2392 \expandafter{\the\@temptokena []}%
2393 \expandafter\verbatim@addtoline
2394 \expandafter{\@tempc}]%
2395 \let\next\xepersian@localize@verbatim@
2396 \fi
2397 \next}%
2398 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2399 \@warning{Characters dropped after `~\string\end{#1}'}\fi}%
2400 \def\
2401     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2402     \xepersian@localize@verbatim@start}
2403 \namedef{
2404     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2405 \def\end
2406     {\endtrivlist\endgroup\@doendpe}
2407 \expandafter\let\csname end
2408     *\endcsname =\end
2409 }
2410 \ExplSyntaxOn
2411 \AtBeginDocument{
2412 \xepersian_localize_patch_verbatim:
2413 }
2414 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2415 \ApplyPatchCodeToPackage{verbatim}{
2416 \cs_set:cpn {*
2417 }
2418 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2419 }
2420 }
2421 \ExplSyntaxOff
2422 \ApplyPatchCodeToPackage{graphicx}{%
2423 \def\Gin@boolkey#1#2{%
2424 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2425 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2426 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2427 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2428 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2429 \define@key{Grot}{origin}[c]{%
2430 \@tfor\@tempa:=#1\do{%
2431 \if l\@tempa \Grot@x\z\else
2432 \if tempa@ \Grot@x\z\else
2433 \if r\@tempa \Grot@x\width\else
2434 \if tempa@ \Grot@x\width\else

```



```

2431 \if t@tempa \Grot@y\height\else
2432 \if tempa@ \Grot@y\height\else
2433 \if b@tempa \Grot@y-\depth\else
2434 \if tempa@ \Grot@y-\depth\else
2435 \if B@tempa \Grot@y\z@ \else
2436 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2437 {draft}{ }{Gin} @ \
2438 {origin}{ }{Gin} @ \
2439 {origin}{ }{Grot} @ \
2440 {clip}{ }{Gin} @ \
2441 {keepaspectratio}{ }{Gin} @ \
2442 {natwidth}{ }{Gin} @ \
2443 {natheight}{ }{Gin} @ \
2444 {bb}{ }{Gin} @ \
2445 {viewport}{ }{Gin} @ \
2446 {trim}{ }{Gin} @ \
2447 {angle}{ }{Gin} @ \
2448 {width}{ }{Gin} @ \
2449 {height}{ }{Gin} @ \
2450 {totalheight}{ }{Gin} @ \
2451 {scale}{ }{Gin} @ \
2452 {type}{ }{Gin} @ \
2453 {ext}{ }{Gin} @ \
2454 {read}{ }{Gin} @ \
2455 {command}{ }{Gin} @ \
2456 {x}{ }{Grot} @ \
2457 {y}{ }{Grot} @ \
2458 {units}{ }{Grot} @ \
2459 }

```

## 46 File url-xetex-xepersian.def

```

2460 \ProvidesFile{url-xetex-xepersian.def}[2025/09/03 v0.2 xepersian adaptations for url package]
2461
2462 \bidi@preto\Url@FormatString\DefaultInlineMathDigits
2463
2464 \begingroup
2465 \lccode`+=`% \lccode`~`=%
2466 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2467 \ifnum\Umathcodenum`%<32768 \def~{\%}\fi}}%
2468 \endgroup%

```

## 47 File persian-tex-text.map

```

2469 LHSName "persian-TeX-text"
2470 RHSName "Unicode"
2471
2472 pass(Unicode)
2473 U+0030 <> U+06F0 ;
2474 U+0031 <> U+06F1 ;
2475 U+0032 <> U+06F2 ;
2476 U+0033 <> U+06F3 ;
2477 U+0034 <> U+06F4 ;
2478 U+0035 <> U+06F5 ;

```



```

2479 U+0036 <> U+06F6 ;
2480 U+0037 <> U+06F7 ;
2481 U+0038 <> U+06F8 ;
2482 U+0039 <> U+06F9 ;
2483
2484
2485 U+002C <> U+060C ; comma > arabic comma
2486 U+003F <> U+061F ; question mark -> arabic qm
2487 U+003B <> U+061B ; semicolon -> arabic semicolon
2488
2489 ; ligatures from Knuth's original CMR fonts
2490 U+002D U+002D <> U+2013 ; -- -> en dash
2491 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2492
2493 U+0027 <> U+2019 ; ' -> right single quote
2494 U+0027 U+0027 <> U+201D ; '' -> right double quote
2495 U+0022 > U+201D ; " -> right double quote
2496
2497 U+0060 <> U+2018 ; ` -> left single quote
2498 U+0060 U+0060 <> U+201C ; `` -> left double quote
2499
2500 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2501 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2502
2503 ; additions supported in T1 encoding
2504 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2505 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2506 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 48 File persian-tex-text-nonnumbers.map

```

2507 LHSName "persian-TeX-text-nonnumbers"
2508 RHSName "Unicode"
2509
2510 pass(Unicode)
2511 U+002C <> U+060C ; comma > arabic comma
2512 U+003F <> U+061F ; question mark -> arabic qm
2513 U+003B <> U+061B ; semicolon -> arabic semicolon
2514
2515 ; ligatures from Knuth's original CMR fonts
2516 U+002D U+002D <> U+2013 ; -- -> en dash
2517 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2518
2519 U+0027 <> U+2019 ; ' -> right single quote
2520 U+0027 U+0027 <> U+201D ; '' -> right double quote
2521 U+0022 > U+201D ; " -> right double quote
2522
2523 U+0060 <> U+2018 ; ` -> left single quote
2524 U+0060 U+0060 <> U+201C ; `` -> left double quote
2525
2526 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2527 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2528
2529 ; additions supported in T1 encoding

```



```

2530 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2531 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2532 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 49 File persian-tex-ligs.lua

```

2533 local otf = fonts.handlers.otf
2534 local registerotffeature = otf.features.register
2535 local addotffeature = otf.addfeature
2536
2537 local persiantexlig = {
2538   {
2539     type = "substitution",
2540     order = {"persiantexlig"},
2541     prepend = true,
2542     data = {
2543       [0x0030] = 0x06F0,
2544       [0x0031] = 0x06F1,
2545       [0x0032] = 0x06F2,
2546       [0x0033] = 0x06F3,
2547       [0x0034] = 0x06F4,
2548       [0x0035] = 0x06F5,
2549       [0x0036] = 0x06F6,
2550       [0x0037] = 0x06F7,
2551       [0x0038] = 0x06F8,
2552       [0x0039] = 0x06F9,
2553       [0x002C] = 0x060C, -- comma > arabic comma
2554       [0x003F] = 0x061F, -- question mark -> arabic qm
2555       [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2556       [0x0027] = 0x2019, -- ' -> right single quote
2557       [0x0022] = 0x201D, -- " -> right double quote
2558       [0x0060] = 0x2018 -- ` -> left single quote
2559     }
2560   },
2561   {
2562     type = "ligature",
2563     order = {"persiantexlig"},
2564     prepend = true,
2565     data = {
2566       -- ligatures from Knuth's original CMR fonts
2567       [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2568       [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2569       [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2570       [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2571       [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclamation
2572       [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2573       -- additions supported in T1 encoding
2574       [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2575       [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLEMET
2576       [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLEMET
2577     }
2578   }
2579 }
2580

```



```

2581 local persiantexlignnum = {
2582   {
2583     type = "substitution",
2584     order = {"persiantexlignnum"},
2585     prepend = true,
2586     data = {
2587       [0x002C] = 0x060C, -- comma > arabic comma
2588       [0x003F] = 0x061F, -- question mark -> arabic qm
2589       [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2590       [0x0027] = 0x2019, -- ' -> right single quote
2591       [0x0022] = 0x201D, -- " -> right double quote
2592       [0x0060] = 0x2018 -- ` -> left single quote
2593     }
2594   },
2595   {
2596     type = "ligature",
2597     order = {"persiantexlignnum"},
2598     prepend = true,
2599     data = {
2600       -- ligatures from Knuth's original CMR fonts
2601       [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2602       [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2603       [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2604       [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2605       [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclam
2606       [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2607       -- additions supported in T1 encoding
2608       [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2609       [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLET
2610       [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLET
2611     }
2612   }
2613 }
2614
2615 addotffeature("persiantexlignnum", persiantexlignnum)
2616 addotffeature("persiantexlig", persiantexlig)
2617
2618 registerotffeature {name = "persiantexlig", description = "Persian TeX ligatures"}
2619 registerotffeature {name = "persiantexlignnum", description = "Persian TeX ligatures without"}
2620
2621 -- We implement persiantexlig and persiantexlignnum for HarfBuzz too
2622 local direct = node.direct
2623 local otfregister = fonts.constructors.features.otf.register
2624
2625 local getdisc = direct.getdisc
2626 local getnext = direct.getnext
2627 local is_char = direct.is_char
2628 local setchar = direct.setchar
2629
2630 local persiandigits = {
2631   [0x0030] = 0x06F0,
2632   [0x0031] = 0x06F1,
2633   [0x0032] = 0x06F2,
2634   [0x0033] = 0x06F3,

```



```

2635 [0x0034] = 0x06F4,
2636 [0x0035] = 0x06F5,
2637 [0x0036] = 0x06F6,
2638 [0x0037] = 0x06F7,
2639 [0x0038] = 0x06F8,
2640 [0x0039] = 0x06F9
2641 }
2642
2643 local persianpuncts = {
2644 [0x002C] = 0x060C, -- comma > arabic comma
2645 [0x003F] = 0x061F, -- question mark -> arabic qm
2646 [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2647 [0x0027] = 0x2019, -- ' -> right single quote
2648 [0x0022] = 0x201D, -- " -> right double quote
2649 [0x0060] = 0x2018 -- ` -> left single quote
2650 }
2651
2652 local persiantexlig = {
2653 [0x002D] = {[0x002D] = {char = 0x2013}}, -- -- -> en dash
2654 [0x2013] = {[0x002D] = {char = 0x2014}}, -- --- -> em dash
2655 [0x0027] = {[0x0027] = {char = 0x201D}}, -- "' -> right double quote
2656 [0x0060] = {[0x0060] = {char = 0x201C}}, -- `` -> left double quote
2657 [0x0021] = {[0x0060] = {char = 0x00A1}}, -- !` -> inverted exclam
2658 [0x003F] = {[0x0060] = {char = 0x00BF}}, -- ?` -> inverted question
2659 -- additions supported in T1 encoding
2660 [0x002C] = {[0x002C] = {char = 0x201E}}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2661 [0x003C] = {[0x003C] = {char = 0x00AB}}, -- << -> LEFT POINTING GUILLET
2662 [0x003E] = {[0x003E] = {char = 0x00BB}}, -- >> -> RIGHT POINTING GUILLET
2663 }
2664
2665 local function persiantexligprocessor(head, font)
2666 local n = head
2667 while n do
2668 local c, id = is_char(n, font)
2669 local persiannum = persiandigits[c]
2670 local persianpunct = persianpuncts[c]
2671 if persiannum then
2672 setchar(n, persiannum)
2673 elseif persianpunct then
2674 setchar(n, persianpunct)
2675 elseif id == disc_t then
2676 local pre, post, replace = getdisc(n)
2677 persiantexligprocessor(pre, font)
2678 persiantexligprocessor(post, font)
2679 persiantexligprocessor(replace, font)
2680 end
2681 n = getnext(n)
2682 end
2683 end
2684
2685 otfregister {
2686 name = 'persiantexlig',
2687 description = 'Persian TeX ligatures',
2688 default = false,

```



```

2689 manipulators = {
2690   plug = function(tfmdata, _, value)
2691     local characters = tfmdata.characters
2692     for codepoint, ligatures in next, persiantexlig do
2693       local char = characters[codepoint]
2694       if char then
2695         char.ligatures = ligatures
2696       end
2697     end
2698   end,
2699 },
2700 processors = {
2701   position=1,
2702   plug = persiantexligprocessor,
2703 },
2704 }
2705
2706 local function persiantexlignonumprocessor(head, font)
2707   local n = head
2708   while n do
2709     local c, id = is_char(n, font)
2710     local persianpunct = persianpuncts[c]
2711     if persianpunct then
2712       setchar(n, persianpunct)
2713     elseif id == disc_t then
2714       local pre, post, replace = getdisc(n)
2715       persiantexlignonumprocessor(pre, font)
2716       persiantexlignonumprocessor(post, font)
2717       persiantexlignonumprocessor(replace, font)
2718     end
2719     n = getnext(n)
2720   end
2721 end
2722
2723 otfregister {
2724   name = 'persiantexlignonum',
2725   description = 'Persian TeX ligatures without numbers',
2726   default = false,
2727   manipulators = {
2728     plug = function(tfmdata, _, value)
2729       local characters = tfmdata.characters
2730       for codepoint, ligatures in next, persiantexlig do
2731         local char = characters[codepoint]
2732         if char then
2733           char.ligatures = ligatures
2734         end
2735       end
2736     end,
2737   },
2738   processors = {
2739     position=1,
2740     plug = persiantexlignonumprocessor,
2741   },
2742 }

```





## 50 File rapport1-xetex-xepersian.def

```
2743 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport c
2744 \renewcommand*\thepart{\@tartibi\c@part}
2745 \renewcommand*\appendix{\par
2746   \setcounter{chapter}{0}%
2747   \setcounter{section}{0}%
2748   \gdef\@chapapp{\appendixname}%
2749   \gdef\thechapter{\@harfi\c@chapter}}
```

## 51 File rapport3-xetex-xepersian.def

```
2750 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport c
2751 \renewcommand*\thepart{\@tartibi\c@part}
2752 \renewcommand*\appendix{\par
2753   \setcounter{chapter}{0}%
2754   \setcounter{section}{0}%
2755   \gdef\@chapapp{\appendixname}%
2756   \gdef\thechapter{\@harfi\c@chapter}}
```

## 52 File refrep-xetex-xepersian.def

```
2757 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep c
2758 \renewcommand \thepart {\@tartibi\c@part}
2759 \renewcommand\appendix{\par
2760   \setcounter{chapter}{0}%
2761   \setcounter{section}{0}%
2762   \gdef\@chapapp{\appendixname}%
2763   \gdef\thechapter{\@harfi\c@chapter}
2764 }%end appendix
```

## 53 File report-xetex-xepersian.def

```
2765 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report c
2766 \renewcommand \thepart {\@tartibi\c@part}
2767 \renewcommand\appendix{\par
2768   \setcounter{chapter}{0}%
2769   \setcounter{section}{0}%
2770   \gdef\@chapapp{\appendixname}%
2771   \gdef\thechapter{\@harfi\c@chapter}
2772 }%end appendix
```

## 54 File scrartcl-xetex-xepersian.def

```
2773 \ProvidesFile{scrartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrart
2774 \renewcommand*\thepart{\@tartibi\c@part}
2775 \renewcommand*\appendix{%
2776   \Ifstr{\@currenvir}{appendix}{%
2777     \ClassWarning{\KOMAClassName}{%
2778       You are using
2779       `string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2780       You should note, that `string\appendix' is a mostly
2781       globally\MessageBreak
2782       working command not an enviroment with only local\MessageBreak
```



```

2783     effects. Therefore \string\end{appendix} will neither \MessageBreak
2784     switch back to normal section numbering nor finish \MessageBreak
2785     every other effect of \string\begin{appendix}. \MessageBreak
2786     Nevertheless, some effects may end with \MessageBreak
2787     \string\end{appendix} and the document may become \MessageBreak
2788     inconsistent. \MessageBreak
2789     Because of this, you should remove \string\end{appendix} \MessageBreak
2790     and replace \string\begin{appendix} by command \MessageBreak
2791     \string\appendix'
2792     }%
2793 }{}%
2794 \par
2795 \setcounter{section}{0}%
2796 \setcounter{subsection}{0}%
2797 \gdef\thesection{\@harfi@c@section}%
2798 }
2799 \IfLTXAtLeastTF{2020/10/01}{%
2800   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2801 }{}
2802 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2803 \renewcommand*{\@maybeautodot}[1]{%
2804   \ifx #1\@stop\let\@maybeautodot\relax
2805   \else
2806     \ifx #1\harfi \@autodottrue\fi
2807     \ifx #1\adadi \@autodottrue\fi
2808     \ifx #1\tartibi \@autodottrue\fi
2809     \ifx #1\Alph \@autodottrue\fi
2810     \ifx #1\alph \@autodottrue\fi
2811     \ifx #1\Roman \@autodottrue\fi
2812     \ifx #1\roman \@autodottrue\fi
2813     \ifx #1\@harfi \@autodottrue\fi
2814     \ifx #1\@adadi \@autodottrue\fi
2815     \ifx #1\@tartibi \@autodottrue\fi
2816     \ifx #1\@Alph \@autodottrue\fi
2817     \ifx #1\@alph \@autodottrue\fi
2818     \ifx #1\@Roman \@autodottrue\fi
2819     \ifx #1\@roman \@autodottrue\fi
2820     \ifx #1\romannumeral \@autodottrue\fi
2821   \fi
2822   \@maybeautodot
2823 }

```

## 55 File `scrbook-xetex-xepersian.def`

```

2824 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2825 \renewcommand*\frontmatter{%
2826   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2827   \@mainmatterfalse\pagenumbering{harfi}%
2828 }
2829 \renewcommand*\thepart{\@tartibi@c@part}
2830 \renewcommand*\appendix{%
2831   \Ifstr{\@currenvr}{appendix}{%
2832     \ClassWarning{\KOMAClassName}{%
2833       You are using

```



```

2834     \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2835     You should note, that \string\appendix' is a mostly
2836     globally\MessageBreak
2837     working command not an enviroment with only local\MessageBreak
2838     effects. Therefore \string\end{appendix}' will neither\MessageBreak
2839     switch back to normal section numbering nor finish\MessageBreak
2840     every other effect of \string\begin{appendix}'.\MessageBreak
2841     Nevertheless, some effects may end with\MessageBreak
2842     \string\end{appendix}' and the document may become\MessageBreak
2843     inconsistent.\MessageBreak
2844     Because of this, you should remove \string\end{appendix}'.\MessageBreak
2845     and replace \string\begin{appendix}' by command\MessageBreak
2846     \string\appendix'%
2847     }%
2848 }{}%
2849 \par
2850 \setcounter{chapter}{0}%
2851 \setcounter{section}{0}%
2852 \gdef\@chapapp{\appendixname}%
2853 \gdef\thechapter{\@harfi\c@chapter}%
2854 }
2855 \IfLTXAtLeastTF{2020/10/01}{%
2856   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2857 }{}
2858 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2859 \renewcommand*{\@maybeautodot}[1]{%
2860   \ifx #1\@stop\let\@maybeautodot\relax
2861   \else
2862     \ifx #1\harfi \@autodottrue\fi
2863     \ifx #1\adadi \@autodottrue\fi
2864     \ifx #1\tartibi \@autodottrue\fi
2865     \ifx #1\Alph \@autodottrue\fi
2866     \ifx #1\alph \@autodottrue\fi
2867     \ifx #1\Roman \@autodottrue\fi
2868     \ifx #1\roman \@autodottrue\fi
2869     \ifx #1\@harfi \@autodottrue\fi
2870     \ifx #1\@adadi \@autodottrue\fi
2871     \ifx #1\@tartibi \@autodottrue\fi
2872     \ifx #1\@Alph \@autodottrue\fi
2873     \ifx #1\@alph \@autodottrue\fi
2874     \ifx #1\@Roman \@autodottrue\fi
2875     \ifx #1\@roman \@autodottrue\fi
2876     \ifx #1\romannumeral \@autodottrue\fi
2877   \fi
2878   \@maybeautodot
2879 }

```

## 56 File screprt-xetex-xepersian.def

```

2880 \ProvidesFile{screprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for screprt]
2881 \renewcommand*{\thepart}{\@tartibi\c@part}
2882 \renewcommand*\appendix{%
2883   \Ifstr{\@currenvir}{appendix}{%
2884     \ClassWarning{\KOMAClassName}{%

```



```

2885     You are using
2886     `\

```

## 57 File soul-xetex-xepersian.def

```

2932 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2933 \let\SOUL@tt@latin\SOUL@tt
2934 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2935 \def\SOUL@tt{%

```



```

2936 \if@nonlatin
2937   \SOUL@tt@nonlatin
2938 \else
2939   \SOUL@tt@latin
2940 \fi
2941 }
2942 \bidi@appto\resetlatinfont{%
2943   \setbox\z@\hbox{\SOUL@tt-}%
2944   \SOUL@ttwidth\wd\z@
2945 }
2946 \bidi@appto\setpersianfont{%
2947   \setbox\z@\hbox{\SOUL@tt-}%
2948   \SOUL@ttwidth\wd\z@
2949 }

```

## 58 File tkz-linknodes-xetex-xepersian.def

```

2950 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2951 \renewcommand*{\@SetTab}{%
2952   \let\@alph\@latinalph%
2953   \ifnum \value{C@NumTab}>25\relax%
2954     \setcounter{C@NumTab}{1}%
2955   \else%
2956     \stepcounter{C@NumTab}%
2957   \fi%
2958   \setcounter{C@NumGroup}{0}%
2959 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2960 \setboolean{B@FirstLink}{true}
2961 \setboolean{B@NewGroup}{false}
2962 \setcounter{C@NumGroup}{0}
2963 \setcounter{C@CurrentGroup}{0}
2964 \setcounter{NumC@Node}{0}
2965 \setcounter{NumC@Stop}{0}
2966 \setcounter{C@NextNode}{0}
2967 \setcounter{C@CurrentStop}{0}
2968 \setcounter{C@CurrentNode}{0}
2969 }%

```

## 59 File tocloft-xetex-xepersian.def

```

2970 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2971 \IfClassLoadedT{memoir}{\endinput}
2972 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2973 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2974 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2975 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2976 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2977 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2978 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2979 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2980 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2981 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```



## 60 File varioref-xetex-xepersian.def

```
2982 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]
2983 \def\reftextfaceafter{%
2984   \if@RTL
2985
2986 \reftextvario{ }{ }%
2987   \else
2988     on the \reftextvario{facing}{next} page%
2989   \fi
2990 }
2991 \def\reftextfacebefore{%
2992   \if@RTL
2993
2994 \reftextvario{ }{ }%
2995   \else
2996     on the \reftextvario{facing}{preceding} page%
2997   \fi
2998 }
2999 \def\reftextafter{%
3000   \if@RTL
3001
3002 \reftextvario{ }{ }%
3003   \else
3004     on the \reftextvario{following}{next} page%
3005   \fi
3006 }
3007 \def\reftextbefore{%
3008   \if@RTL
3009
3010 \reftextvario{ }{ }%
3011   \else
3012     on the \reftextvario{preceding}{previous} page%
3013   \fi
3014 }
3015 \def\reftextcurrent{%
3016   \if@RTL
3017
3018 \reftextvario{ }{ }%
3019   \else
3020     on \reftextvario{this}{the current} page%
3021   \fi
3022 }
3023 \def\reftextfaraway#1{%
3024   \if@RTL
3025     %
3026 ~\pageref{#1}%
3027   \else
3028     on page~\pageref{#1}%
3029   \fi
3030 }
3031 \def\reftextpagerange#1#2{%
3032   \if@RTL
3033     %
```



```

3034 ~\pageref{#1}--\pageref{#2}%
3035   \else
3036     on pages~\pageref{#1}--\pageref{#2}%
3037   \fi
3038 }
3039 \def\reftextlabelrange#1#2{%
3040   \if@RTL
3041     \ref{#1} %ref{#2}\~
3042   \else
3043     \ref{#1} to~\ref{#2}%
3044   \fi
3045 }

```

## 61 File xepersian.sty

```

3046 \NeedsTeXFormat{LaTeX2e}
3047 \def\xepersian@version{26.01.01}
3048 \def\xepersiandate{2026/01/01}
3049 \def\xepersian@releasename{Iran}
3050 \def\xepersian@persian@@releasename{ }
3051 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
3052 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersianreleasename)]
3053 Persian typesetting in XeLaTeX
3054 \newif\ifxepersian@banner
3055 \newif\ifxepersian@computeautoilg
3056 \DeclareUnknownKeyHandler{%
3057   \PassOptionsToPackage{\CurrentOption}{bidi}%
3058 }
3059 \ExplSyntaxOn
3060 \msg_new:nnn {xepersian} {cannot-use-engine}
3061 {
3062   Oops!~can~not~use~\c_sys_engine_str.\\\
3063   The~xepersian~package~requires~XeTeX.
3064 }
3065 \sys_if_engine_xetex:F
3066 {
3067   \msg_fatal:nn {xepersian} {cannot-use-engine}
3068 }
3069
3070 \keys_define:nn { xepersian }
3071 {
3072   banner .choice: ,
3073   banner / on .code:n =
3074     \@xepersian@bannertrue
3075     \PassOptionsToPackage{banner=on}{bidi} ,
3076   banner / off .code:n =
3077     \@xepersian@bannerfalse
3078     \PassOptionsToPackage{banner=off}{bidi} ,
3079   banner .default:n = on
3080 }
3081 \keys_define:nn { xepersian }
3082 {
3083   decimalseparatornexttokenlist .code:n = \AtEndOfPackage{\renewcommand*{\@decimalseparator}{} }
3084 }

```



```

3085 \keys_define:nn { xepersian }
3086 {
3087   pretodecimalseparatornexttokenlist .code:n = \AtEndOfPackage{\bidi@preto\@decimalseparator}
3088 }
3089 \keys_define:nn { xepersian }
3090 {
3091   apptodecimalseparatornexttokenlist .code:n = \AtEndOfPackage{\bidi@appto\@decimalseparator}
3092 }
3093 \keys_define:nn { xepersian }
3094 {
3095   mathdigits .choice: ,
3096   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
3097   mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
3098   mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
3099 }
3100 \keys_define:nn { xepersian }
3101 {
3102   inlinemathdigits .choice: ,
3103   inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
3104   inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
3105   inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
3106 }
3107 \keys_define:nn { xepersian }
3108 {
3109   displaymathdigits .choice: ,
3110   displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
3111   displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
3112   displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
3113 }
3114 \keys_define:nn { xepersian }
3115 {
3116   Kashida .choice: ,
3117   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xetex-xepersian.def}} ,
3118   Kashida / off .code:n = \relax ,
3119   Kashida .default:n = on
3120 }
3121 \keys_define:nn { xepersian }
3122 {
3123   localize .choice: ,
3124   localize / on .code:n = \AtEndOfPackage{\input{localize-xetex-xepersian.def}} ,
3125   localize / off .code:n = \relax ,
3126   localize .default:n = on
3127 }
3128 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
3129 {
3130   \AtEndOfPackage{%
3131     \ifwritexviii
3132       \@ifclassloaded{memoir}{%
3133         \PackageError{xepersian}{%
3134           This~feature~does~not~yet~work~with~the~memoir~class}{}%
3135       }{%
3136         \renewcommand\printindex{\newpage%
3137           \immediate\closeout\@indexfile
3138           \immediate\write18{%

```





```

3139         xindy~L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
3140         \@input@{\jobname.ind}}%
3141     }
3142     \else
3143     \PackageError{xepersian}{%
3144     "shell-escape"~(or~"write18")~is~not~enabled.~You~need~to~run~TeX~with~-shell-escap
3145     \fi
3146 }
3147 }
3148 \keys_define:nn { xepersian }
3149 {
3150     quickindex-variant .choice: ,
3151     quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
3152     quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
3153     quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
3154 }
3155 \keys_define:nn { xepersian }
3156 {
3157     abjad-variant .choice: ,
3158     abjad-variant / one .code:n =
3159     \def\PersianAlphs{%
3160     \let\@alph\@abjad
3161     \let\@Alph\@abjad
3162     } ,
3163     abjad-variant / two .code:n =
3164     \def\PersianAlphs{%
3165     \let\@alph\@Abjad
3166     \let\@Alph\@Abjad
3167     }
3168 }
3169 \keys_define:nn { xepersian }
3170 {
3171     defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
3172 }
3173 \keys_define:nn { xepersian }
3174 {
3175     mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
3176 }
3177 \keys_define:nn { xepersian }
3178 {
3179     fontsizescale .code:n = \def\xepersian@@fontsize@scale{#1}
3180 }
3181 \keys_define:nn { xepersian }
3182 {
3183     fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
3184 }
3185 \keys_define:nn { xepersian }
3186 {
3187     latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
3188 }
3189 \keys_define:nn { xepersian }
3190 {
3191     baselineskip scale .code:n = \def\xepersian@@baselineskip@scale{#1}
3192 }

```



```

3193 \keys_define:nn { xepersian }
3194 {
3195   latinbaselineskipsscale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3196 }
3197 \keys_define:nn { xepersian }
3198 {
3199   computeautoilg .choice: ,
3200   computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
3201   computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
3202   computeautoilg .default:n = on
3203 }
3204 \keys_define:nn { xepersian }
3205 {
3206   debugtextdigitfont .choice: ,
3207   debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3208     \bidi@AtEndPreamble{%
3209       \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
3210         \addfontfeature{Color=C71585}
3211       }{}{}
3212     }
3213   } ,
3214   debugtextdigitfont / off .code:n = \relax ,
3215   debugtextdigitfont .default:n = on
3216 }
3217 \keys_set:nn { xepersian }
3218 {
3219   banner = on ,
3220   abjad-variant = two ,
3221   fontsizescale = \@ne ,
3222   latinfontsizescale = \@ne ,
3223   mathfontsizescale = \@ne ,
3224   baselineskipsscale = \@ne ,
3225   latinbaselineskipsscale = \@ne
3226 }
3227 \ExplSyntaxOff
3228 \ProcessKeyOptions
3229 \edef\xepersian@info{*****~J%
3230 * ~J%
3231 * xepersian package (Persian for LaTeX format in XeTeX and LuaTeX engines)~J%
3232 * ~J%
3233 * Description: A convenient interface for typesetting Persian and~J%
3234 * English documents with LaTeX format in XeTeX and LuaTeX engines.~J%
3235 * ~J%
3236 * Copyright (c) 2008--2026 Vafa Khalighi~J%
3237 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
3238 * ~J%
3239 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date~J%
3240 * ~J%
3241 * License: LaTeX Project Public License, version~J%
3242 * 1.3c or higher (your choice)~J%
3243 * ~J%
3244 * Location on CTAN: /macros/unicodetex/latex/xepersian~J%
3245 * ~J%
3246 * Issue tracker: https://github.com/xepersian/xepersian/issues~J%

```



```

3247 * ^^J%
3248 * Primary author of xepersian package: Vafa Khalighi.^^J%
3249 * ^^J%
3250 *****}
3251 \edef\xepersian@everyjob{\the\everyjob}
3252 \if@xepersian@banner
3253 \typeout{\@xepersian@info}
3254 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3255 \fi
3256 \RequirePackage{fontspec}
3257 \RequirePackage{unicode-persiancal}
3258 \RequirePackage{unicode-persianmath}
3259 \RequirePackage[%
3260 documentdirection=righttoleft,%
3261 tabledirection=righttoleft,%
3262 script=nonlatin,%
3263 footnotedirection=righttoleft,%
3264 footnoterule=automatic%
3265 ]{bidi}
3266 \newcommand*\xepersianversion
3267 {\ensuremath\xepersian@version}
3268 \def\prq{<}
3269 \def\plq{>}
3270 \def\xepersian@cmds@temp#1{%
3271 \begingroup\expandafter\expandafter\endgroup
3272 \expandafter\ifx\csname xepersian@#1\endcsname\relax
3273 \begingroup
3274 \escapechar=-1 %
3275 \edef\x{\expandafter\meaning\csname#1\endcsname}%
3276 \def\y{#1}%
3277 \def\z##1->{}%
3278 \edef\y{\expandafter\z\meaning\y}%
3279 \expandafter\endgroup
3280 \ifx\x\y
3281 \expandafter\def\csname xepersian@#1\expandafter\endcsname
3282 \expandafter{%
3283 \csname#1\endcsname
3284 }%
3285 \fi
3286 \fi
3287 }%
3288 \xepersian@cmds@temp{shellescape}
3289 \newif\ifwritexviii
3290 \ifnum\xepersian@shellescape=1\relax
3291 \writexviii>true
3292 \else
3293 \writexviii>false
3294 \fi
3295 \newfontscript{Persian}{arab}
3296 \newfontlanguage{Persian}{FAR}
3297 \ExplSyntaxOn
3298
3299 \keys_define:nm {fontspec-opentype}
3300 {

```



```

3301   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3302   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3303   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3304 }
3305
3306 \keys_define:nm {fontspec-aat}
3307 {
3308   Ligatures / PersianTeX .code:n =
3309   {
3310     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3311   }
3312 }
3313
3314 \keys_define:nm {fontspec-opentype}
3315 {
3316   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3317   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3318   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3319 }
3320
3321 \keys_define:nm {fontspec-aat}
3322 {
3323   Ligatures / PersianTeXNoNumbers .code:n =
3324   {
3325     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3326   }
3327 }
3328
3329 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
3330 {
3331   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3332   \ignorespaces
3333 }
3334 \cs_new:Nn \__xepersian_main_settextfont:nn
3335 {
3336   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3337   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3338   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont } }
3339   {
3340     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3341     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3342     \exp_not:N \selectfont
3343   }
3344 }
3345 \str_if_eq:eeT {\familydefault} {\rmdefault}
3346 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3347 \__xepersian_settextfont_hook:nn {#1} {#2}
3348 \normalfont
3349 }
3350
3351 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3352
3353 \DeclareDocumentCommand \settextdigitfont { 0{} m 0{} }
3354 {

```



```

3355   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3356   \ignorespaces
3357 }
3358 \cs_new:Nn \_xepersian_main_settextdigitfont:nn
3359 {
3360   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3361   \use:x
3362   {
3363     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3364     {
3365       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3366       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3367       \exp_not:N \selectfont
3368     }
3369   }
3370   \_xepersian_settextdigitfont_hook:nn {#1} {#2}
3371   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3372   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3373   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3374   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3375   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3376   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashIntercharclass}
3377   \if@bidi@csundef{xepersian@dualjoiner}{%
3378     \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3379     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3380     \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3381     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3382     \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3383     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3384     \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3385     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3386   }
3387 }
3388
3389 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3390 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3391
3392 \cs_set_eq:NN \_xepersian_settextdigitfont_hook:nn \use_none:nn
3393
3394 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
3395 {
3396   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3397   \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3398   \ignorespaces
3399 }
3400
3401
3402 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
3403 {
3404   \_xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3405   \ignorespaces
3406 }
3407 \cs_new:Nn \_xepersian_main_setlatintextfont:nn
3408 {

```



```

3409 \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3410 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3411 {
3412   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3413   \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3414   \exp_not:N \selectfont
3415 }
3416 }
3417 \str_if_eq:eeT {\familydefault} {\rmdefault}
3418 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3419 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3420 \normalfont
3421 }
3422
3423 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3424
3425 \tl_set_eq:NN \setlatinsansfont \setsansfont
3426 \tl_set_eq:NN \setlatinmonofont \setmonofont
3427
3428 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3429 {
3430   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3431   \NewDocumentCommand
3432 }
3433 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3434 {
3435   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3436   \RenewDocumentCommand
3437 }
3438 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3439 {
3440   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
3441   \use:x
3442   {
3443     \exp_not:N #4 \exp_not:N #1 {}
3444     {
3445       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3446       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3447       \exp_not:N \selectfont
3448     }
3449   }
3450 }
3451
3452 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3453 {
3454   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3455   \NewDocumentCommand
3456 }
3457 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3458 {
3459   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3460   \RenewDocumentCommand
3461 }
3462 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN

```



```

3463 {
3464 \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3465 \use:x
3466 {
3467 \exp_not:N #4 \exp_not:N #1 {}
3468 {
3469 \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3470 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3471 \exp_not:N \selectfont
3472 }
3473 }
3474 }
3475
3476 \newcommand\persiansfdefault{}
3477 \newcommand\persianttdefault{}
3478 \newcommand\iranicdefault{}
3479 \newcommand\navardefault{}
3480 \newcommand\pookdefault{}
3481 \newcommand\sayehdefault{}
3482 \DeclareRobustCommand\persiansffamily
3483     {\not@math@alphabet\persiansffamily\mathpersiansf
3484     \fontfamily\persiansfdefault\selectfont}
3485 \DeclareRobustCommand\persianttfamily
3486     {\not@math@alphabet\persianttfamily\mathpersiantt
3487     \fontfamily\persianttdefault\selectfont}
3488 \DeclareRobustCommand\iranicfamily
3489     {\not@math@alphabet\iranicfamily\mathiranic
3490     \fontfamily\iranicdefault\selectfont}
3491 \DeclareRobustCommand\navarfamily
3492     {\not@math@alphabet\navarfamily\mathnavar
3493     \fontfamily\navardefault\selectfont}
3494 \DeclareRobustCommand\pookfamily
3495     {\not@math@alphabet\pookfamily\mathpook
3496     \fontfamily\pookdefault\selectfont}
3497 \DeclareRobustCommand\sayehfamily
3498     {\not@math@alphabet\sayehfamily\mathsayeh
3499     \fontfamily\sayehdefault\selectfont}
3500 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3501 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3502 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3503 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3504 \DeclareTextFontCommand{\textpook}{\pookfamily}
3505 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3506
3507 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3508 {
3509 \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3510 \ignorespaces
3511 }
3512 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3513 {
3514 \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},L
3515 \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3516 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }

```



```

3517 {
3518   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3519   \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3520   \exp_not:N \selectfont
3521 }
3522 }
3523 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3524   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3525 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3526 \normalfont
3527 }
3528
3529 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3530
3531 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3532 {
3533   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3534   \ignorespaces
3535 }
3536 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3537 {
3538   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},Ligatures
3539   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3540   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3541     {
3542       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3543       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3544       \exp_not:N \selectfont
3545     }
3546   }
3547   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3548     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3549   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3550   \normalfont
3551 }
3552
3553 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3554
3555 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3556 {
3557   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3558   \ignorespaces
3559 }
3560 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3561 {
3562   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligatures}
3563   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3564   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3565     {
3566       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3567       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3568       \exp_not:N \selectfont
3569     }
3570   }

```





```

3571 \str_if_eq:eeT {\familydefault} {\navardefault}
3572   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3573 \__xepersian_setnavarfont_hook:nn {#1} {#2}
3574 \normalfont
3575 }
3576
3577 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3578
3579 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3580 {
3581   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3582   \ignorespaces
3583 }
3584 \cs_new:Nn \__xepersian_main_setpookfont:nn
3585 {
3586   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3587   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3588   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3589     {
3590       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3591       \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3592       \exp_not:N \selectfont
3593     }
3594   }
3595   \str_if_eq:eeT {\familydefault} {\pookdefault}
3596     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3597   \__xepersian_setpookfont_hook:nn {#1} {#2}
3598   \normalfont
3599 }
3600
3601 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3602
3603 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3604 {
3605   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3606   \ignorespaces
3607 }
3608 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3609 {
3610   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3611   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3612   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3613     {
3614       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3615       \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3616       \exp_not:N \selectfont
3617     }
3618   }
3619   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3620     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3621   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3622   \normalfont
3623 }
3624

```



```

3625 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3626
3627 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3628 {
3629   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3630   \ignorespaces
3631 }
3632 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3633 {
3634   \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Ligatures=No}
3635   \tl_set_eq:NN \iraniconfontdefault \l__fontspec_iranicfamily_family_tl
3636   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3637     {
3638       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3639       \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
3640       \exp_not:N \selectfont
3641     }
3642   }
3643   \str_if_eq:eeT {\familydefault} {\iraniconfontdefault}
3644     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3645   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3646   \normalfont
3647 }
3648
3649 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3650
3651 \ExplSyntaxOff
3652 \def\resetlatinfont{%
3653 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3654 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3655 \def\xepersian@@fontsize@scale{%
3656 \strip@pt\dimexpr 1pt * \dimexpr
3657 \xepersian@@latin@fontsize@scale pt\relax
3658 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3659 }%
3660 \def\xepersian@@baselineskip@scale{%
3661 \strip@pt\dimexpr 1pt * \dimexpr
3662 \xepersian@@latin@baselineskip@scale pt\relax
3663 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3664 }%
3665 \@nonlatinfalse%
3666 \let\normalfont\latinfont%
3667 \let\reset@font\normalfont%
3668 \latinfont%
3669 \fontsize\fontsize\font@baselineskip%
3670 \selectfont%
3671 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3672 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3673 }
3674 \def\setpersianfont{%
3675 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3676 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3677 \let\xepersian@@fontsize@scale\@ne%
3678 \let\xepersian@@baselineskip@scale\@ne%

```



```

3679 \@nonlatintrue%
3680 \let\normalfont\persianfont%
3681 \let\reset@font\normalfont%
3682 \persianfont%
3683 \fontsize\font@size\font@baselineskip%
3684 \selectfont%
3685 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3686 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3687 }
3688 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3689 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3690 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3691 \def\endlatin{\endLTR}
3692 \newenvironment{latin*}{\latin
3693   \everypar{%
3694     {\setbox\z@\lastbox
3695       \ifvoid\z@
3696         \kern-\parindent
3697       \fi}%
3698   }%
3699 }\endlatin\@endpetrue}
3700 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3701 \def\endpersian{\endRTL}
3702 \newenvironment{persian*}{\persian
3703   \everypar{%
3704     {\setbox\z@\lastbox
3705       \ifvoid\z@
3706         \kern-\parindent
3707       \fi}%
3708   }%
3709 }\endpersian\@endpetrue}
3710 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3711 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3712 \let\originaltoday=\today
3713 \def\latintoday{\lr{\originaltoday}}
3714 \def\today{\rl{\persiantoday}}
3715 \def \@LTRmarginparreset {%
3716   \reset@font
3717   \resetlatinfont
3718   \normalsize
3719   \@minipagetrue
3720   \everypar{\@minipagefalse\everypar}{\beginL}%
3721 }
3722 \DeclareRobustCommand\Latincite{%
3723   \@ifnextchar [{\@tempswatrue\@Latincitex}]{\@tempswafalse\@Latincitex []}}
3724 \def\@Latincitex[#1]#2{\leavevmode
3725   \let\@citea\@empty
3726   \@cite{\lr{\@for\@citeb:=#2\do
3727     {\@citea\def\@citea{,\penalty\@m }%
3728     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3729     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3730     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3731     \G@refundefinedtrue
3732     \@latex@warning

```



```

3733         {Citation \@citeb' on page \thepage \space undefined}}%
3734         {\@citeofmt{\csname b@\@citeb\endcsname}}}{#1}}
3735
3736 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3737
3738 \newcount\xepersian@tcl
3739 \newdimen\xepersian@ilg
3740 \newdimen\xepersian@strutilg
3741 \chardef\f@ur=4
3742 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3743 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3744 \loop
3745 \iffontchar\font\xepersian@tcl
3746 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
3747 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3748 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3749 \fi
3750 \else
3751 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
3752 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3753 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3754 \fi
3755 \fi
3756 \fi
3757 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
3758 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3759 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3760 \fi
3761 \else
3762 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
3763 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3764 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3765 \fi
3766 \fi
3767 \fi
3768 \fi
3769 \advance\xepersian@tcl@ne
3770 \ifnum\xepersian@tcl<1792\repeat
3771 \advance\xepersian@strutilg\xepersian@ilg
3772 % \ifdim\xepersian@strutilg>\baselineskip
3773 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3774 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3775 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3776 % \selectfont
3777 % \fi
3778 }
3779
3780 \newif\if@@textdigitfont@on
3781
3782 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3783 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3784
3785 \TextDigitFontOn
3786

```



```

3787 \newcommand*\xepersian@setlength[4]{%
3788   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3789     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3790       \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3791         \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3792       \else
3793         \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3794       \fi
3795     \else
3796       \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3797         \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3798       \else
3799         \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3800       \fi
3801     \fi
3802   \else
3803     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3804       \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3805         \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3806       \else
3807         \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3808       \fi
3809     \else
3810       \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3811         \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3812       \else
3813         \setlength{#1}{#2 \@plus#3 \@minus#4}%
3814       \fi
3815     \fi
3816   \fi
3817 }
3818
3819 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3820   \@defaultunits\@tempdima#2pt\relax\@nnil
3821   \setlength{\@tempdimc}{\@tempdima}%
3822   \addtolength{\@tempdimc}{-10\p@}%
3823   \edef\@ptsize{\strip@pt\@tempdimc}%
3824   \@defaultunits\@tempdimb#1pt\relax\@nnil
3825   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3826   \edef\@tempb{\the\@tempdimc}%
3827   \setlength{\@tempdimc}{\@tempdima}%
3828   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3829   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3830   \xepersian@setlength{\abovedisplayskip}%
3831     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3832   \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3833   \xepersian@setlength{\belowdisplayshortskip}%
3834     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3835   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3836   \edef\normalsize{%
3837     \noexpand\setfontsize\noexpand\normalsize
3838     {\the\@tempdima}{\the\@tempdimb}%
3839     \abovedisplayskip \the\abovedisplayskip
3840     \abovedisplayshortskip \the\abovedisplayshortskip

```



```

3841 \belowdisplayskip \the\belowdisplayskip
3842 \belowdisplayshortskip \the\belowdisplayshortskip
3843 \let\noexpand\@listi\noexpand\@listI
3844 }%
3845 \setlength{\@tempdima}{0.9125\@tempdimc}%
3846 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3847 \xepersian@setlength{\abovedisplayskip}%
3848     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3849 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3850 \xepersian@setlength{\belowdisplayshortskip}%
3851     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3852 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3853 \edef\small{%
3854     \noexpand\setfontsize\noexpand\small
3855     {\the\@tempdima}{\the\@tempdimb}%
3856     \abovedisplayskip \the\abovedisplayskip
3857     \abovedisplayshortskip \the\abovedisplayshortskip
3858     \belowdisplayskip \the\belowdisplayskip
3859     \belowdisplayshortskip \the\belowdisplayshortskip
3860     \let\noexpand\@listi\noexpand\@listi@small
3861 }%
3862 \setlength{\@tempdima}{.83334\@tempdimc}%
3863 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3864 \xepersian@setlength{\abovedisplayskip}%
3865     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3866 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3867 \xepersian@setlength{\belowdisplayshortskip}%
3868     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3869 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3870 \edef\footnotesize{%
3871     \noexpand\setfontsize\noexpand\footnotesize
3872     {\the\@tempdima}{\the\@tempdimb}%
3873     \abovedisplayskip \the\abovedisplayskip
3874     \abovedisplayshortskip \the\abovedisplayshortskip
3875     \belowdisplayskip \the\belowdisplayskip
3876     \belowdisplayshortskip \the\belowdisplayshortskip
3877     \let\noexpand\@listi\noexpand\@listi@footnotesize
3878 }%
3879 \setlength{\@tempdima}{.66667\@tempdimc}%
3880 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3881 \edef\scriptsize{%
3882     \noexpand\setfontsize\noexpand\scriptsize
3883     {\the\@tempdima}{\the\@tempdimb}%
3884 }%
3885 \setlength{\@tempdima}{.5\@tempdimc}%
3886 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3887 \edef\tiny{%
3888     \noexpand\setfontsize\noexpand\tiny
3889     {\the\@tempdima}{\the\@tempdimb}%
3890 }%
3891 \setlength{\@tempdima}{1.2\@tempdimc}%
3892 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3893 \edef\large{%
3894     \noexpand\setfontsize\noexpand\large

```



```

3895     {\the\@tempdima}{\the\@tempdimb}%
3896   }%
3897   \setlength{\@tempdima}{1.44\@tempdimc}%
3898   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3899   \edef\Large{%
3900     \noexpand\@setfontsize\noexpand\Large
3901     {\the\@tempdima}{\the\@tempdimb}%
3902   }%
3903   \setlength{\@tempdima}{1.728\@tempdimc}%
3904   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3905   \edef\LARGE{%
3906     \noexpand\@setfontsize\noexpand\LARGE
3907     {\the\@tempdima}{\the\@tempdimb}%
3908   }%
3909   \setlength{\@tempdima}{2.074\@tempdimc}%
3910   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3911   \edef\huge{%
3912     \noexpand\@setfontsize\noexpand\huge
3913     {\the\@tempdima}{\the\@tempdimb}%
3914   }%
3915   \setlength{\@tempdima}{2.488\@tempdimc}%
3916   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3917   \edef\Huge{%
3918     \noexpand\@setfontsize\noexpand\Huge
3919     {\the\@tempdima}{\the\@tempdimb}%
3920   }%
3921   \normalsize
3922   \setlength{\@tempdimb}{\f@baselineskip}%
3923   \xepersian@setlength{\parsep}%
3924     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3925   \xepersian@setlength{\topsep}%
3926     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3927   \@tempswafalse
3928   \begingroup
3929     \def\@list@extra{\aftergroup\@tempswatrue}%
3930     \csname @listi\endcsname
3931   \endgroup
3932   \edef\@listi{\leftmargin\leftmargini
3933     \topsep \the\topsep
3934     \parsep \the\parsep
3935     \itemsep \parsep
3936     \if@tempswa\noexpand\@list@extra\fi
3937   }%
3938   \let\@listI\@listi
3939   \xepersian@setlength{\parsep}%
3940     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3941   \xepersian@setlength{\topsep}%
3942     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3943   \@tempswafalse
3944   \begingroup
3945     \def\@list@extra{\aftergroup\@tempswatrue}%
3946     \csname @listi\endcsname
3947   \endgroup
3948   \edef\@listi@small{\leftmargin\leftmargini

```



```

3949 \topsep \the\topsep
3950 \parsep \the\parsep
3951 \itemsep \parsep
3952 \if@tempswa\noexpand\@list@extra\fi
3953 }%
3954 \xepersian@setlength{\parsep}%
3955     {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3956 \xepersian@setlength{\topsep}%
3957     {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3958 \@tempswafalse
3959 \begingroup
3960 \def\@list@extra{\aftergroup\@tempswatrue}%
3961 \csname @listi\endcsname
3962 \endgroup
3963 \edef\@listi{footnotesize{\leftmargin\leftmargini
3964 \topsep \the\topsep
3965 \parsep \the\parsep
3966 \itemsep \parsep
3967 \if@tempswa\noexpand\@list@extra\fi
3968 }%
3969 \xepersian@setlength{\parsep}%
3970     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3971 \xepersian@setlength{\topsep}%
3972     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3973 \@tempswafalse
3974 \begingroup
3975 \def\@list@extra{\aftergroup\@tempswatrue}%
3976 \csname @listii\endcsname
3977 \endgroup
3978 \edef\@listii{\leftmargin\leftmarginii
3979 \labelwidth=\dimexpr \leftmargin-\labelsep
3980 \topsep \the\topsep
3981 \parsep \the\parsep
3982 \itemsep \parsep
3983 \if@tempswa\noexpand\@list@extra\fi
3984 }%
3985 \xepersian@setlength{\topsep}%
3986     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3987 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3988 \@tempswafalse
3989 \begingroup
3990 \def\@list@extra{\aftergroup\@tempswatrue}%
3991 \csname @listiii\endcsname
3992 \endgroup
3993 \edef\@listiii{\leftmargin\leftmarginiii
3994 \labelwidth=\dimexpr \leftmargin-\labelsep
3995 \topsep \the\topsep
3996 \parsep \z@
3997 \partopsep \the\partopsep
3998 \itemsep \topsep
3999 \if@tempswa\noexpand\@list@extra\fi
4000 }%
4001 \@tempswafalse
4002 \begingroup

```





```

4003   \def\@list@extra{\aftergroup\@tempwattrue}%
4004   \csname @listiv\endcsname
4005   \endgroup
4006   \edef\@listiv{\leftmargin\leftmarginiv
4007     \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4008     \if@tempswa\noexpand\@list@extra\fi
4009   }%
4010   \@tempswafalse
4011   \begingroup
4012     \def\@list@extra{\aftergroup\@tempwattrue}%
4013     \csname @listv\endcsname
4014     \endgroup
4015     \edef\@listv{\leftmargin\leftmarginiv
4016       \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4017       \if@tempswa\noexpand\@list@extra\fi
4018     }%
4019     \@tempswafalse
4020     \begingroup
4021       \def\@list@extra{\aftergroup\@tempwattrue}%
4022       \csname @listvi\endcsname
4023       \endgroup
4024       \edef\@listvi{\leftmargin\leftmarginvi
4025         \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4026         \if@tempswa\noexpand\@list@extra\fi
4027       }%
4028       \@listi
4029       \setlength{\@tempdimb}{\f@baselineskip}%
4030       \setlength{\footnotesep}{.555\@tempdimb}%
4031       \xepersian@setlength{\skip\footins}%
4032         {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
4033       \xepersian@setlength{\floatsep}%
4034         {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
4035       \xepersian@setlength{\textfloatsep}%
4036         {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
4037       \setlength{\intextsep}{\floatsep}%
4038       \setlength{\dblfloatsep}{\floatsep}%
4039       \setlength{\dbltextfloatsep}{\textfloatsep}%
4040       \setlength{\@fptop}{\z@ \@plus 1fil}%
4041       \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
4042       \setlength{\@fpbot}{\@fptop}%
4043       \setlength{\@dblfpbot}{\@fptop}%
4044       \setlength{\@dblfpsep}{\@fpsep}%
4045       \setlength{\@dblfpbot}{\@fptop}%
4046       \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
4047   }
4048
4049 \renewcommand*{\@bidi@logo@}{%
4050   \@bidi@logo@hb@xt@columnwidth
4051   {\hss\bfseries
4052     {\today}   {\TypesetTime}
4053   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
4054
4055 \renewcommand*{\@bidi@pdfcreator}{%
4056   The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersian@

```





```

4111 }
4112 \newcommand{\@adadi}[1]{%
4113 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
4114 }
4115 \let\adadinumeral\@adadi%
4116 \def\xepersian@numberoutofrange#1#2{%
4117 \PackageError{xepersian}{The number `#1' is too large %
4118 to be formatted using xepersian}{The largest possible %
4119 number is 999,999,999.}%
4120 }
4121 \def\xepersian@numberstring#1#2#3#4{%
4122 \ifnum\number#1<\@ne%
4123 #3%
4124 \else\ifnum\number#1<1000000000 %
4125 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
4126 \else%
4127 \xepersian@numberoutofrange{#1}{#4}%
4128 \fi\fi%
4129 }
4130 \def\xepersian@adadi#1#2{%
4131 \expandafter\xepersian@@adadi%
4132 \ifcase%
4133 \ifnum#1<10 1%
4134 \else\ifnum#1<100 2%
4135 \else\ifnum#1<\@m 3%
4136 \else\ifnum#1<\@M 4%
4137 \else\ifnum#1<100000 5%
4138 \else\ifnum#1<1000000 6%
4139 \else\ifnum#1<10000000 7%
4140 \else\ifnum#1<100000000 8%
4141 \else9%
4142 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
4143 \or00000000#1% case 1: Add 8 leading zeros
4144 \or0000000#1% case 2: Add 7 leading zeros
4145 \or000000#1% case 3: Add 6 leading zeros
4146 \or00000#1% case 4: Add 5 leading zeros
4147 \or0000#1% case 5: Add 4 leading zeros
4148 \or000#1% case 6: Add 3 leading zeros
4149 \or00#1% case 7: Add 2 leading zeros
4150 \or0#1% case 8: Add 1 leading zero
4151 \or#1% case 9: Add no leading zeros
4152 \or%
4153 \@nil#2%
4154 \fi%
4155 }
4156 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
4157 \ifnum#1#2#3>\z@
4158 \xepersian@milyoongan#1#2#3%
4159 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else\ \fi\else\ifnum#4#5#6>\z@ \ \fi\fi%
4160 \fi%
4161 \ifnum#4#5#6>\z@%
4162 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4163 \ifnum#4#5#6>\@ne\fi%
4164 %

```



```

4165 \ifnum#7>\z@ \fi%
4166 \fi%
4167 \xepersian@sadgan#7{#4#5#6}1#9%
4168 }
4169 \def\xepersian@milyoongan#1#2#3{%
4170 \ifnum#1#2#3=\@ne%
4171 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4172 %
4173 %
4174 \else%
4175 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4176 %
4177 %
4178 \fi%
4179 }
4180 \def\xepersian@sadgan#1#2#3#4#5#6{%
4181 \ifnum#1>\z@%
4182 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4183 %
4184 \ifnum#2#3>\z@ \fi%
4185 \fi%
4186 \ifnum#2#3<20%
4187 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4188 \else%
4189 \xepersian@dahgan#2%
4190 \ifnum#3>\z@ \xepersian@yekani#3\fi%
4191 #60%
4192 \fi%
4193 }
4194 \def\xepersian@yekani#1{%
4195 \ifcase#1\@empty\or\ or\ or\ or\ or\ %
4196 \or\ or\ or\ or\ or\ or\ %
4197 \or\ or\ or\ %
4198 \or\ or\ %fi\
4199 }
4200 \def\xepersian@yekanii#1{%
4201 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4202 }
4203 \def\xepersian@yekanii#1{%
4204 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4205 }
4206 \def\xepersian@yekaniv#1{%
4207 \ifcase#1\@empty\or\or\ or\ or\ or\ %
4208 \or\ or\ or\ %fi\
4209 }
4210 \def\xepersian@dahgan#1{%
4211 \ifcase#1\or\or\ or\ %
4212 \or\ or\ or\ %
4213 \or %fi\
4214 }
4215 \newcommand{\tartibi}[1]{%
4216 \expandafter\@tartibi\csname c@#1\endcsname%
4217 }
4218 \newcommand{\@tartibi}[1]{%

```



```

4219 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4220 }
4221 \let\tartibinumeral\@tartibi%
4222 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4223 \ifnum\number#1<\@ne%
4224 #3%
4225 \else\ifnum\number#1<1000000000 %
4226 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4227 \else%
4228 \xepersian@numberoutofrange{#1}{#4}%
4229 \fi\fi%
4230 }
4231 \def\xepersian@adadi@tartibi#1#2{%
4232 \expandafter\xepersian@@adadi@tartibi%
4233 \ifcase%
4234 \ifnum#1<10 1%
4235 \else\ifnum#1<100 2%
4236 \else\ifnum#1<\@m 3%
4237 \else\ifnum#1<\@M 4%
4238 \else\ifnum#1<100000 5%
4239 \else\ifnum#1<1000000 6%
4240 \else\ifnum#1<10000000 7%
4241 \else\ifnum#1<100000000 8%
4242 \else9%
4243 \fi\fi\fi\fi\fi\fi\fi\fi %
4244 \or00000000#1% case 1: Add 8 leading zeros
4245 \or0000000#1% case 2: Add 7 leading zeros
4246 \or000000#1% case 3: Add 6 leading zeros
4247 \or00000#1% case 4: Add 5 leading zeros
4248 \or0000#1% case 5: Add 4 leading zeros
4249 \or000#1% case 6: Add 3 leading zeros
4250 \or00#1% case 7: Add 2 leading zeros
4251 \or0#1% case 8: Add 1 leading zero
4252 \or#1% case 9: Add no leading zeros
4253 \or%
4254 \@nil#2%
4255 \fi%
4256 }
4257 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4258 \ifnum#1#2#3>\z@
4259 \xepersian@milyoongan@tartibi#1#2#3%
4260 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4261 \fi%
4262 \ifnum#4#5#6>\z@%
4263 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4264 \ifnum#4#5#6>\@ne \fi%
4265 %
4266 \ifnum#7>\z@\ \fi%
4267 \fi%
4268 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4269 }
4270 \def\xepersian@milyoongan@tartibi#1#2#3{%
4271 \ifnum#1#2#3=\@ne%
4272 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%

```



```

4273 %
4274 %
4275 \else%
4276 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4277 %
4278 %
4279 \fi%
4280 }
4281 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4282 \ifnum#1>\z0%
4283 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4284 %
4285 \ifnum#2#3>\z@\ \fi%
4286 \fi%
4287 \ifnum#2#3<20%
4288 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4289 \else%
4290 \ifnum#2#3=30%
4291 \xepersian@dahgan@tartibi#2%
4292 \else%
4293 \xepersian@dahgan#2%
4294 \fi%
4295 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
4296 #60%
4297 \fi%
4298 }
4299 \def\xepersian@dahgan@tartibi#1{%
4300 \ifcase#1\or\or\or\or\ %
4301 \or\or\or\or\ %
4302 \or\%fi\
4303 }
4304 \def\xepersian@tartibi#1{%
4305 \ifcase#1\or\or\or\or\ %
4306 \or\or\or\or\or\ %
4307 \or\or\or\or\ %
4308 \or\or\or\ %
4309 \or\or\or\%fi\
4310 }
4311 \def\xepersian@yekanv#1{%
4312 \ifcase#1\@empty\or\or\or\or\or\or\or\ %
4313 \or\or\or\or\or\or\or\ %
4314 \or\or\or\or\ %
4315 \or\or\%fi\
4316 }
4317 \providecommand*\xpg@warning}[1]{%
4318 \PackageWarning{XePersian}%
4319 {#1}}
4320 \if@bidi@csundef{@abjad}{%
4321 \def\@abjad#1{%
4322 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4323 \else
4324 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4325 \else
4326 \ifnum#1<10\expandafter\abj@num@i\number#1%

```



```

4327 \else
4328 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4329 \else
4330 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4331 \else
4332 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4333 \fi
4334 \fi
4335 \fi
4336 \fi
4337 \fi
4338 \fi
4339 }
4340 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4341 \let\abjadnumeral\@abjad
4342 \def\abjad@zero{}
4343 \def\abj@num@i#1{%
4344 \ifcase#1\or or\ or\ or\ %
4345 \or or\ or\ or\ or\ fi\
4346 \ifnum#1=\z@\abjad@zero\fi}
4347 \def\abj@num@ii#1{%
4348 \ifcase#1\or or\ or\ or\ or\ %
4349 \or or\ or\ or\ fi\
4350 \ifnum#1=\z@\fi\abj@num@i}
4351 \def\abj@num@iii#1{%
4352 \ifcase#1\or or\ or\ or\ or\ %
4353 \or or\ or\ or\ fi\
4354 \ifnum#1=\z@\fi\abj@num@ii}
4355 \def\abj@num@iv#1{%
4356 \ifcase#1\or fi\
4357 \ifnum#1=\z@\fi\abj@num@iii}
4358 }{}
4359 \let\@latinalph\@alph%
4360 \let\@latinAlph\@Alph%
4361 \def\LatinAlphs{%
4362 \let\@alph\@latinalph%
4363 \let\@Alph\@latinAlph%
4364 }
4365 \def\thempfootnote{\itshape\@latinalph@c@mpfootnote}}
4366 \renewcommand*{\bidi@thebibliography@font@hook}{%
4367 \if@LTRbibitems
4368 \resetlatinfont
4369 \fi}
4370 \bidi@AfterEndPreamble{%
4371 \if@bidi@csundef{persianfont}{%
4372 \PackageError{xepersian}{You have not specified any font\MessageBreak
4373 for the main Persian text}{Use \settextfont' to load a font.}%
4374 }{}}
4375
4376 \ApplyPatchToFiles{%
4377 footnote-xetex-bidi, %
4378 extrafootnotefeatures-xetex-bidi %
4379 }[def][xepersian]
4380

```



```

4381 \ApplyPatchToClasses{%
4382 article, %
4383 amsart, %
4384 amsbook, %
4385 artikel1, %
4386 artikel2, %
4387 artikel3, %
4388 beamer, %
4389 bidimoderncv, %
4390 boek, %
4391 boek3, %
4392 book, %
4393 bookest, %
4394 extbook, %
4395 extarticle, %
4396 extreport, %
4397 imsproc, %
4398 memoir, %
4399 rapport1, %
4400 rapport3, %
4401 refrep, %
4402 report, %
4403 scrartcl, %
4404 scrbook, %
4405 scrreprt %
4406 }[xepersian]
4407
4408 \ApplyPatchToPackages{%
4409 algorithm, %
4410 algorithmic, %
4411 appendix, %
4412 backref, %
4413 beamerbasetranslator, %
4414 bibtuftsidenote, %
4415 breqn, %
4416 enumerate, %
4417 enumitem, %
4418 fancyref, %
4419 framed, %
4420 glossaries, %
4421 hyperref, %
4422 listings, %
4423 minitoc, %
4424 natbib, %
4425 soul, %
4426 tkz-linknodes, %
4427 tocloft, %
4428 url, %
4429 varioref %
4430 }[xepersian]
4431
4432 \newtoks\xepersian@toks
4433 \def\xepersian@tempa#1{%
4434 \long\def\xepersian@@sp@def##1##2{%

```





```

4435 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4436 \long\def\xepersian@@sp@d{%
4437 \ifx\xepersian@resa\@sptoken
4438 \expandafter\xepersian@@sp@b
4439 \else
4440 \expandafter\xepersian@@sp@b\expandafter#1%
4441 \fi}%
4442 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4443 }
4444 \xepersian@tempa{ }
4445 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4446 \def\xepersian@@fontsize@branch#1{%
4447 \@tempcnta\z@
4448 \@for\xepersian@tmp:=#1\do{%
4449 \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
4450 \ifcase\@tempcnta\relax% cnta == 0
4451 \edef\xepersian@value{\xepersian@frag}%
4452 \setfontsize{\xepersian@frag}%
4453 \or% cnta == 1
4454 \setfontsize[\xepersian@frag]{\xepersian@value}%
4455 \else\fi
4456 \advance\@tempcnta\@ne}%
4457 }
4458
4459 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4460 \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4461 }{}{}
4462
4463 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4464 \@tempkipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4465 }{}{}
4466
4467
4468 \newcommand*\xepersian@@update@math@fontsize}[1]{%
4469 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4470 \dimexpr 1pt * \dimexpr #1 pt\relax /
4471 \dimexpr \xepersian@@fontsize@scale pt\relax
4472 \relax\relax
4473 }
4474
4475 \bidi@patchcmd{\getanddefine@fonts}{%
4476 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4477 }{%
4478 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4479 }{}{}
4480
4481 \bidi@patchcmd{\getanddefine@fonts}{%
4482 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4483 }{%
4484 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4485 }{}{}
4486
4487 \bidi@patchcmd{\getanddefine@fonts}{%
4488 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%

```



```

4489 }{%
4490 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4491 }{}{}
4492
4493
4494 \if@xepersian@@computeautoilg
4495 \bidi@patchcmd{\set@fontsize}{%
4496 \baselineskip\f@baselineskip\relax
4497 }{%
4498 \baselineskip\f@baselineskip\relax
4499 \xepersian@computeautoilg
4500 \ifdim\xepersian@strutilg>\baselineskip
4501 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4502 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4503 \baselineskip\xepersian@strutilg
4504 \ifdim\footnotesep=.7\baselineskip
4505 \else
4506 \footnotesep.7\baselineskip
4507 \fi
4508 \fi
4509 }{}{}
4510 \fi
4511
4512 \AtEndOfPackage{%
4513 \setlatintextfont[%
4514 Path,%
4515 BoldFont={lmroman10-bold},%
4516 BoldItalicFont={lmroman10-bolditalic},%
4517 ItalicFont={lmroman10-italic},%
4518 SmallCapsFont={lmromancaps10-regular},%
4519 SlantedFont={lmromanslant10-regular},%
4520 BoldSlantedFont={lmromanslant10-bold}%
4521 ]{lmroman10-regular}
4522 }
4523 \PersianAlphs

```

## 62 File xepersian-magazine.cls

```

4524 \NeedsTeXFormat{LaTeX2e}
4525 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4526 \RequirePackage{ifthen}
4527 \newlength{\xepersian@imgsize}
4528 \newlength{\xepersian@coltitsize}
4529 \newlength{\xepersian@pageneed}
4530 \newlength{\xepersian@pageleft}
4531 \newlength{\xepersian@indexwidth}
4532 \newcommand{\xepersian@ncolumns}{0}
4533 \newlength{\columnlines}
4534 \setlength{\columnlines}{0 pt} % no lines by default
4535 \newboolean{xepersian@hyphenatedtitles}
4536 \setboolean{xepersian@hyphenatedtitles}{true}
4537 \newboolean{xepersian@ninepoints}
4538 \setboolean{xepersian@ninepoints}{false}
4539 \newboolean{xepersian@showgrid}

```



```

4540 \setboolean{xepersian@showgrid}{false}
4541 \newboolean{xepersian@a3paper}
4542 \setboolean{xepersian@a3paper}{false}
4543 \newboolean{xepersian@insidefrontpage}
4544 \setboolean{xepersian@insidefrontpage}{false}
4545 \newboolean{xepersian@insideweather}
4546 \setboolean{xepersian@insideweather}{false}
4547 \newboolean{xepersian@insideindex}
4548 \setboolean{xepersian@insideindex}{false}
4549 \newcount\xepersian@gridrows
4550 \newcount\xepersian@gridcolumns
4551 \xepersian@gridrows=40
4552 \xepersian@gridcolumns=50
4553 \newcount\minraggedcols
4554 \minraggedcols=5
4555 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4556 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4557 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4558 \DeclareOption{twocolumn}%
4559 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4560 \DeclareOption{notitlepage}%
4561 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4562 \DeclareOption{twoside}%
4563 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4564 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4565 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4566 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4567 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4568 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4569 \ProcessOptions\relax
4570 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4571 \RequirePackage{ifxetex}
4572 \RequirePackage{multido}
4573 \RequirePackage{datetime}
4574 \RequirePackage{multicol}
4575 \RequirePackage{fancyhdr}
4576 \RequirePackage{fancybox}
4577 \ifthenelse{\boolean{xepersian@a3paper}}{%
4578 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4579 }{
4580 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4581 }
4582 \RequirePackage[absolute]{textpos} % absolute positioning
4583 \RequirePackage{hyphenat} % when hyphenate
4584 \RequirePackage{lastpage} % to know the last page number
4585 \RequirePackage{setspace} % set space between lines
4586 \RequirePackage{ragged2e}
4587 \newcommand{\raggedFormat}{\RaggedLeft}
4588 \AtEndOfClass{xepersianInit}
4589 \ifthenelse{\boolean{xepersian@showgrid}}{%
4590 \AtBeginDocument{
4591 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4592 \advance\minraggedcols by -1
4593 }{%

```



```

4594 \AtBeginDocument{
4595 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4596 \advance\minraggedcols by -1
4597 }
4598 \ifthenelse{\boolean{xepersian@ninepoints}}{
4599 \renewcommand{\normalsize}{%
4600 \setfontsize{\normalsize}{9pt}{10pt}%
4601 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4602 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4603 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4604 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4605
4606 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4607
4608 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4609
4610 \renewcommand{\small}{%
4611 \setfontsize{\small}{8pt}{9pt}%
4612 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4613 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4614 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4615 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4616
4617 \renewcommand{\footnotesize}{%
4618 \setfontsize{\footnotesize}{8pt}{9pt}%
4619 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4620 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4621 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4622 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4623
4624 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4625 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4626 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4627 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4628 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4629 }{}
4630 \def\customwwwTxt#1{\gdef\customwwwTxt{\lr{#1}}}
4631 \newcommand{\xepersian@wwwFormat}{\sffamily}
4632 \newcommand{\xepersian@www}{%
4633 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4634 }
4635 \newcommand{\xepersian@edition}{ {
4636 \newcommand{\editionFormat}{\large\bfseries\texttt}
4637 \newcommand{\xepersian@editionLogo}{%
4638 \raisebox{-3pt}{%
4639 {\editionFormat\xepersian@edition}%
4640 }%
4641 }
4642 \newcommand{\indexFormat}{\large\bfseries}
4643 \newcommand{\xepersian@indexFrameTitle}[1]
4644 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4645
4646 \newcommand{\indexEntryFormat}{\normalsize}
4647 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%

```



```

4648 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4649 \end{minipage}}
4650 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4651 \newcommand{\indexEntryPageTxt}{ }
4652 \newcommand{\indexEntryPageFormat}{\footnotesize}
4653 \newcommand{\xepersian@indexEntryPage}[1]{%
4654 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4655 }
4656 \newcommand{\headDateTimeFormat}{}
4657 \newcommand{\xepersian@headDateTime}{%
4658 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4659 \currenttime %
4660 }
4661 \newcommand{\weatherFormat}{\bfseries}
4662 \newcommand{\xepersian@weather}[1]{%
4663 \noindent{\weatherFormat #1}%
4664 }
4665 \newcommand{\weatherTempFormat}{\small}
4666 \newcommand{\weatherUnits}{\textdegree}C}
4667 \newcommand{\xepersian@section}[0]{ {
4668 \newcommand{\xepersian@headleft}{%
4669 {\small\bfseries \@custommagazinename} \date
4670 }
4671 \newcommand{\xepersian@headcenter}{%
4672 \xepersian@section{}
4673 }
4674 \newcommand{\xepersian@headright}{%
4675 \small\xepersian@edition%
4676 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4677 }
4678
4679 \newcommand{\heading}[3]{%
4680 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4681 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4682 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4683 }
4684 \newcommand{\xepersian@footright}{%
4685 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4686 }
4687 \newcommand{\xepersian@footcenter}{%
4688 }
4689 \newcommand{\xepersian@footleft}{%
4690 }
4691
4692 \newcommand{\foot}[3]{%
4693 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4694 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4695 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4696 }
4697 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4698 \newcommand{\xepersian@firstTitle}[1]{%
4699 {%
4700 \begin{spacing}{2.0}{%
4701 \noindent\ignorespaces

```



```

4702 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4703 {\nohyphens{\firstTitleFormat #1}}%
4704 {\firstTitleFormat #1}}%
4705 }%
4706 \end{spacing}%
4707 }%
4708 }
4709 \newcommand{\firstTextFormat}{-}
4710 \newcommand{\xepersian@firstText}[1]{%
4711 {\noindent\ignorespaces\firstTextFormat #1}%
4712 }
4713 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4714 \newcommand{\xepersian@secondTitle}[1]{%
4715 \begin{spacing}{1.5}{%
4716 \noindent\ignorespaces\flushright
4717 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4718 {\nohyphens{\secondTitleFormat #1}}%
4719 {\secondTitleFormat #1}}%
4720 }\end{spacing}%
4721 }
4722 \newcommand{\secondSubtitleFormat}{\large}
4723 \newcommand{\xepersian@secondSubtitle}[1]{%
4724 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4725 }
4726 \newcommand{\secondTextFormat}{-}
4727 \newcommand{\xepersian@secondText}[1]{%
4728 \begin{multicols}{2}
4729 {\noindent\ignorespaces\secondTextFormat #1}
4730 \end{multicols}
4731 }
4732 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4733 \newcommand{\xepersian@thirdTitle}[1]{%
4734 \begin{spacing}{1.5}{%
4735 \noindent\ignorespaces\flushright
4736 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4737 {\nohyphens{\thirdTitleFormat #1}}%
4738 {\thirdTitleFormat #1}}%
4739 }\end{spacing}%
4740 }
4741 \newcommand{\thirdSubtitleFormat}{\large}
4742 \newcommand{\xepersian@thirdSubtitle}[1]{%
4743 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4744 \newcommand{\thirdTextFormat}{-}
4745 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4746 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4747 \newcommand{\xepersian@pictureCaption}[1]{%
4748 {\noindent\pictureCaptionFormat #1}%
4749 }
4750 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4751 \newcommand{\xepersian@pages}[1]{%
4752 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4753 \newcommand{\innerTitleFormat}{\Huge}
4754 \newcommand{\xepersian@innerTitle}[1]{%
4755 \begin{flushright}{%

```



```

4756 \noindent
4757 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4758 {\nohyphens{\innerTitleFormat #1}}%
4759 {\innerTitleFormat #1}}%
4760 }%
4761 %%
4762 \end{flushright}%
4763 }
4764 \newcommand{\innerSubtitleFormat}{\large}
4765 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
4766 \newcommand{\timestampTxt}{}
4767 \newcommand{\timestampSeparator}{|}
4768 \newcommand{\timestampFormat}{\small}
4769 \newcommand{\timestamp}[1]{%
4770 {\timestampFormat%
4771 #1~\timestampTxt}%
4772 }~\timestampSeparator}%
4773 }
4774 \newcommand{\innerAuthorFormat}{\footnotesize}
4775 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4776 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4777 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4778 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4779 \newcommand{\editorialAuthorFormat}{\textsc}
4780 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4781 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
4782 \newcommand{\shortarticleSubtitleFormat}{\Large}
4783 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
4784 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4785 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
4786 \renewcommand{\maketitle}{\begin{titlepage}%
4787 \let\footnotesize\small
4788 \let\footnoterule\relax
4789 \let \footnote \thanks
4790 \null\vfil
4791 \vskip 60\p@
4792 \begin{center}%
4793 {\LARGE \@title \par}%
4794 \vskip 1em%
4795 {\LARGE «\xepersian@edition» \par}%
4796 \vskip 3em%
4797 {\large
4798 \lineskip .75em%
4799 \begin{tabular}[t]{c}%
4800 \@author
4801 \end{tabular}\par}%
4802 \vskip 1.5em%
4803 {\large \@date \par}%
4804 \end{center}\par
4805 \@thanks
4806 \vfil\null
4807 \end{titlepage}%
4808 \setcounter{footnote}{0}%
4809 \global\let\thanks\relax

```



```

4810 \global\let\maketitle\relax
4811 \global\let\@thanks\@empty
4812 \global\let\@author\@empty
4813 \global\let\@date\@empty
4814 \global\let\@title\@empty
4815 \global\let\title\relax
4816 \global\let\author\relax
4817 \global\let\date\relax
4818 \global\let\and\relax
4819 }
4820 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4821 \newsavebox{\xepersian@fmbbox}
4822 \newenvironment{xepersian@fmpage}[1]
4823 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
4824 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
4825 \newcommand{\image}[2]{
4826 \vspace{5pt}
4827 \setlength{\fboxsep}{1pt}
4828 \addtolength{\xepersian@imgsize}{\columnwidth}
4829 \addtolength{\xepersian@imgsize}{-1\columnsep}
4830 \ifxetex
4831 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4832 \addtolength{\xepersian@pageneed}{50pt}
4833 \ClassWarning{xepersian-magazine}{%
4834 Image #1 needs: \the\xepersian@pageneed \space %
4835 and there is left: \the\page@free\space%
4836 }
4837 \ifdim \xepersian@pageneed < \page@free
4838
4839 {\centering\fbox{%
4840 \includegraphics[width = \xepersian@imgsize,
4841 height = \xepersian@imgsize,
4842 keepaspectratio ]{#1}}
4843 \xepersian@pictureCaption{#2}
4844
4845 \vspace{5pt}
4846 }
4847 \ClassWarning{Image #1 needs more space!%
4848 It was not inserted!}
4849 \fi
4850 \fi
4851 }
4852 \textblockorigin{1cm}{1cm}
4853 \newdimen\xepersian@dx
4854 \newdimen\xepersian@dy
4855 \newcount\xepersian@cx
4856 \newcount\xepersian@cy
4857 \newcommand{grid}[3][ ]{
4858 \xepersian@dx=\textwidth%
4859 \xepersian@dy=\textheight%
4860 \xepersian@cx=#3% %columns
4861 \xepersian@cy=#2% %rows
4862
4863 \count1=#3%

```





```

4864 \advance\count1 by 1
4865
4866 \count2=#2%
4867 \advance\count2 by 1
4868
4869 \divide\xepersian@dx by #3
4870 \divide\xepersian@dy by #2
4871
4872 \setlength{\TPHorizModule}{\xepersian@dx}
4873 \setlength{\TPVertModule}{\xepersian@dy}
4874
4875 \ifthenelse{\equal{#1}{show}}{
4876 \multido{\xepersian@nrow=0+1}{\count2}{
4877 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4878 \rule[Opt]{\textwidth}{.1pt}
4879 \end{textblock}
4880 }
4881
4882 \multido{\xepersian@ncol=0+1}{\count1}{
4883 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4884 \rule[Opt]{.1pt}{\textheight}
4885 \end{textblock}
4886 }
4887 }{ }
4888 }
4889 \newcommand{\xepersianInit}{
4890 \setlength{\headheight}{14pt}
4891 \renewcommand{\headrulewidth}{0.4pt}
4892
4893 \pagestyle{fancy}
4894
4895 \setlength{\columnseprule}{\columnlines}
4896 \setlength{\fboxrule}{0.1 pt}
4897
4898 }
4899
4900 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4901 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4902 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
4903 \newcommand{\logo}[0]{
4904 %% Heading %%
4905 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4906
4907 \vspace*{-3pt}
4908
4909 {\Large\bfseries \@customlogo}
4910 \hrulefill
4911 \hspace{10pt}\xepersian@headDateTime
4912
4913 }
4914 \newcommand{\minilogo}[0]{
4915 {\large\bfseries \@customminilogo}
4916
4917 \vspace*{5pt}

```



```

4918 }
4919 \newcommand{\mylogo}[1]{
4920 {\beginR#1\endR}
4921
4922 \noindent
4923 \xepersian@editionLogo\hspace{5pt}
4924 \hrulefill
4925 \hspace{5pt}\xepersian@headDateTime
4926 }
4927 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4928 \newenvironment{frontpage}[0]
4929 {
4930 \setboolean{xepersian@insidefrontpage}{true}
4931 \thispagestyle{empty}
4932 \logo
4933
4934 }%
4935 {
4936 \thispagestyle{empty}
4937 \clearpage
4938 \newpage
4939 \fancyhead{}
4940 \fancyfoot{}
4941 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4942 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4943 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4944 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4945 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4946 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4947 \renewcommand{\headrulewidth}{0.4pt}
4948 \setboolean{xepersian@insidefrontpage}{false}
4949
4950 }
4951 \newcommand{\firstarticle}[3]
4952 {
4953 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4954 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4955 \begin{textblock}{24}(22,5)
4956 }
4957 {
4958 \begin{textblock}{28}(22,5)
4959 }
4960 \vspace{-7pt}
4961 \xepersian@firstTitle{#1}
4962 \end{textblock}
4963 \begin{textblock}{29}(22,10)
4964 \vspace{5pt plus 2pt minus 2pt}
4965
4966 \xepersian@firstText{\timestamp{#3}~#2}
4967
4968 \end{textblock}
4969
4970 \begin{textblock}{50}(0,15)
4971 \rule{50\TPHorizModule}{.3pt}

```



```

4972 \end{textblock}
4973 }{%else
4974 \ClassError{xepersian-magazine}{%
4975 \protect\firstarticle\space in a wrong place.\MessageBreak
4976 \protect\firstarticle\space may only appear inside frontpage environment.
4977 }{%
4978 \protect\firstarticle\space may only appear inside frontpage environment.
4979 }%
4980 }
4981 }
4982 \newcommand{\secondarticle}[5]
4983 {
4984 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4985 \begin{textblock}{33}(2,16)
4986 \xepersian@pages{#4}
4987 \vspace{-5pt}
4988 \xepersian@secondTitle{#1}
4989
4990 \vspace*{5pt}
4991
4992 \xepersian@secondSubtitle{#2}
4993
4994 \vspace*{-7pt}
4995
4996 \xepersian@secondText{\timestamp{#5}~#3}
4997
4998 \end{textblock}
4999
5000 \begin{textblock}{33}(2,25)
5001 \vspace{5pt plus 2pt minus 2pt}
5002
5003 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
5004 \end{textblock}
5005 }{%else
5006 \ClassError{xepersian-magazine}{%
5007 \protect\secondarticle\space in a wrong place.\MessageBreak
5008 \protect\secondarticle\space may only appear inside frontpage environment.
5009 }{%
5010 \protect\secondarticle\space may only appear inside frontpage environment.
5011 }%
5012 }
5013 }
5014 \newcommand{\thirdarticle}[6]
5015 {
5016 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5017 \begin{textblock}{32}(2,26)
5018 \xepersian@pages{#5}
5019 \vspace{-5pt}
5020 \setlength{\fboxsep}{1pt}
5021 \xepersian@thirdTitle{#1}
5022
5023 \vspace*{5pt}
5024
5025 \xepersian@thirdSubtitle{#2}

```



```

5026
5027 \vspace*{5pt}
5028
5029 {\noindent\ignorespaces %
5030 \ifthenelse{\equal{#4}{}}{}}
5031
5032 \xepersian@thirdText{\timestamp{#6}~#3}
5033
5034 }
5035
5036 \vspace*{5pt}
5037
5038 \end{textblock}
5039 }{%else
5040 \ClassError{xepersian-magazine}{%
5041 \protect\thirdarticle\space in a wrong place.\MessageBreak
5042 \protect\thirdarticle\space may only appear inside frontpage environment.
5043 }{%
5044 \protect\thirdarticle\space may only appear inside frontpage environment.
5045 }%
5046 }
5047 }
5048 \newcommand{\firstimage}[2]
5049 {
5050 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5051 \begin{textblock}{18}(2,5)
5052 \setlength{\fboxsep}{1pt}
5053 \ifxetex % only in PDF
5054 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
5055 \fi
5056
5057 \xepersian@pictureCaption{#2}
5058 \end{textblock}}%
5059 }
5060 {\ClassError{xepersian-magazine}{%
5061 \protect\firstimage\space in a wrong place.\MessageBreak
5062 \protect\firstimage\space may only appear inside frontpage environment.
5063 }{%
5064 \protect\firstimage\space may only appear inside frontpage environment.
5065 }}
5066 }%
5067 \newcommand{\weatheritem}[5]{%
5068 \ifthenelse{\boolean{xepersian@insideweather}}{
5069 \begin{minipage}{45pt}
5070 \ifxetex
5071 \includegraphics[width=40pt]{#1}
5072 \fi
5073 \end{minipage}
5074 \begin{minipage}{50pt}
5075 \weatherTempFormat
5076 #2\\
5077 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
5078 #5
5079 \end{minipage}

```



```

5080 }{%else
5081 \ClassError{xepersian-magazine}{%
5082 \protect\weatheritem\space in a wrong place.\MessageBreak
5083 \protect\weatheritem\space may only appear inside weatherblock environment.
5084 }{%
5085 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
5086 weatherblock environment may only appear inside frontpage environment.
5087 }%
5088 }
5089 }
5090 \newenvironment{weatherblock}[1]
5091 {
5092 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5093 \setboolean{xepersian@insideweather}{true}
5094 \begin{textblock}{32}(2,38)
5095 \vspace*{-15pt}
5096
5097 \xepersian@weather{\beginR#1\endR}
5098
5099 \vspace*{5pt}
5100
5101 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5102 \begin{minipage}{32\TPHorizModule}
5103 \hspace{5pt}
5104
5105 }{%
5106 \ClassError{xepersian-magazine}{%
5107 weatherblock in a wrong place.\MessageBreak
5108 weatherblock may only appear inside frontpage environment.
5109 }{%
5110 weatherblock may only appear inside frontpage environment.
5111 }
5112 }
5113 }%
5114 {
5115 \end{minipage}
5116 \end{xepersian@fmpage}
5117 \end{textblock}
5118 \setboolean{xepersian@insideweather}{false}
5119 }
5120 \newenvironment{authorblock}[0]
5121 {
5122 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5123 \begin{textblock}{15}(36,35)
5124 \setlength{\fboxsep}{5pt}
5125 \begin{xepersian@fmpage}{13\TPHorizModule}
5126 \begin{minipage}{13\TPHorizModule}
5127 \centering
5128 \minilogo
5129
5130 }{%else
5131 \ClassError{xepersian-magazine}{%
5132 authorblock in a wrong place.\MessageBreak
5133 authorblock may only appear inside frontpage environment.

```



```

5134 }{%
5135 authorblock may only appear inside frontpage environment.
5136 }
5137 }
5138 }
5139 {
5140 \end{minipage}
5141 \end{xepersian@fmpage}
5142 \end{textblock}
5143 }
5144 \newenvironment{indexblock}[1]
5145 {
5146 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5147 \setboolean{xepersian@insideindex}{true}%let's in
5148 \begin{textblock}{15}(36,16)
5149 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5150 \xepersian@indexFrameTitle{#1}
5151
5152 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5153 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5154 \begin{minipage}{\xepersian@indexwidth}
5155 \vspace*{10pt}
5156 }{%else
5157 \ClassError{xepersian-magazine}{%
5158 indexblock in a wrong place.\MessageBreak
5159 indexblock may only appear inside frontpage environment.
5160 }{%
5161 indexblock may only appear inside frontpage environment.
5162 }
5163 }
5164 }%
5165 {
5166 \end{minipage}
5167 \end{xepersian@fmpage}
5168 \end{textblock}
5169 \setboolean{xepersian@insideindex}{false}%let's out
5170 }
5171 \newcommand{\indexitem}[2]
5172 {
5173 \ifthenelse{\boolean{xepersian@insideindex}}{
5174 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5175
5176 \vspace{0.5cm}
5177
5178 \noindent\ignorespaces\indexEntrySeparator{
5179 }{%else
5180 \ClassError{xepersian-magazine}{%
5181 \protect\indexitem\space in a wrong place.\MessageBreak
5182 \protect\indexitem\space may only appear inside indexblock environment.
5183 }{%
5184 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5185 indexblock environment may only appear inside frontpage environment.
5186 }%
5187 }

```



```

5188 }
5189 \newcommand{\xepersian@inexpandedtitle}[1]{
5190 \begin{minipage}{.95\textwidth}
5191 \begin{center}
5192 \noindent\Large\textbf{\beginR#1\endR}
5193 \end{center}
5194 \end{minipage}
5195 }
5196 \newcommand{\expandedtitle}[2]{
5197 \end{multicols}
5198
5199 \begin{center}
5200 \setlength{\fboxsep}{5pt}
5201 \setlength{\shadowsize}{2pt}
5202 \ifthenelse{\equal{#1}{shadowbox}}{%
5203 \shadowbox{%
5204 \xepersian@inexpandedtitle{#2}%
5205 }%
5206 }{}
5207 \ifthenelse{\equal{#1}{doublebox}}{%
5208 \doublebox{%
5209 \xepersian@inexpandedtitle{#2}%
5210 }%
5211 }{}
5212 \ifthenelse{\equal{#1}{ovalbox}}{%
5213 \ovalbox{%
5214 \xepersian@inexpandedtitle{#2}%
5215 }%
5216 }{}
5217 \ifthenelse{\equal{#1}{Ovalbox}}{%
5218 \Ovalbox{%
5219 \xepersian@inexpandedtitle{#2}%
5220 }%
5221 }{}
5222 \ifthenelse{\equal{#1}{lines}}{
5223 \hrule
5224 \vspace*{8pt}
5225 \begin{center}
5226 \noindent\Large\textbf{#2}
5227 \end{center}
5228 \vspace*{8pt}
5229 \hrule
5230 }{}
5231 \end{center}
5232
5233 \begin{multicols}{\xepersian@ncolumns}}
5234 \ifnum \xepersian@ncolumns > \minraggedcols
5235 \raggedFormat
5236 \fi
5237 }
5238 \newcommand{\xepersian@incolumntitle}[2]{
5239 \begin{minipage}{#1}
5240 \begin{center}
5241 \noindent\normalsize\textbf{#2}

```



```

5242 \end{center}
5243 \end{minipage}
5244 }
5245
5246 \newcommand{\columntitle}[2]{
5247 \vspace*{5pt}
5248 \begin{center}
5249 \setlength{\fboxsep}{5pt}
5250 \setlength{\shadowsize}{2pt}
5251 \addtolength{\xepersian@coltitsize}{\columnwidth}
5252 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5253 \addtolength{\xepersian@coltitsize}{-5pt}
5254 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5255 \ifthenelse{\equal{#1}{shadowbox}}{-%
5256 \shadowbox{
5257 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5258 }%
5259 }{
5260 \ifthenelse{\equal{#1}{doublebox}}{-%
5261 \doublebox{
5262 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5263 }%
5264 }{
5265 \ifthenelse{\equal{#1}{ovalbox}}{-%
5266 \ovalbox{
5267 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5268 }%
5269 }{
5270 \ifthenelse{\equal{#1}{Oovalbox}}{-%
5271 \Oovalbox{
5272 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5273 }%
5274 }{
5275 \ifthenelse{\equal{#1}{lines}}{
5276 \hrule
5277 \vspace*{5pt}
5278 \begin{center}
5279 \noindent\normalsize\textbf{#2}
5280 \end{center}
5281 \vspace*{5pt}
5282 \hrule
5283 }{
5284 \end{center}
5285 }
5286 \renewcommand{\date}{%
5287 \longdate{\today}%
5288 }
5289 \newcommand{\authorandplace}[2]{%
5290 \rightline{
5291 {\innerAuthorFormat #1}, \space{ }\innerPlaceFormat #2}%
5292 }%
5293 \par %
5294 }
5295 \newcommand{\newsection}[1]{

```





```

5296 \renewcommand{\xepersian@section}{#1}
5297 }
5298 \newenvironment{article}[5]
5299 {
5300 \xepersian@say{Adding a new piece of article}
5301 \renewcommand{\xepersian@ncolumns}{#1}
5302 \begin{multicols}{#1}[
5303 \xepersian@pages{#4}
5304 \xepersian@innerTitle{#2}%
5305 \xepersian@innerSubtitle{#3}%
5306 ] [4cm]%
5307 \label{#5}
5308 \ifnum #1 > \minraggedcols
5309 \raggedFormat
5310 \fi
5311 }
5312 {-\innerTextFinalMark{}}
5313 \end{multicols}
5314 }
5315 \newcommand{\articlesep}{%
5316 \setlength{\xepersian@pageneed}{16000pt}
5317 \setlength\xepersian@pageleft{\pagegoal}
5318 \addtolength\xepersian@pageleft{-\pagetotal}
5319
5320 \xepersian@say{How much left \the\xepersian@pageleft}
5321
5322 \ifdim \xepersian@pageneed < \xepersian@pageleft
5323 \xepersian@say{Not enough space}
5324 \else
5325 \xepersian@say{Adding sep line between articles}
5326 \vspace*{10pt plus 10pt minus 5pt}
5327 \hrule
5328 \vspace*{10pt plus 5pt minus 5pt}
5329 \fi
5330
5331 }
5332 \newcommand{\xepersian@editorialTit}[2]{
5333 \setlength{\arrayrulewidth}{.1pt}
5334 \begin{center}
5335 \begin{tabular}{c}
5336 \noindent
5337 \xepersian@editorialTitle{#1}
5338 \vspace{2pt plus 1pt minus 1pt}
5339 \\
5340 \hrule
5341 \vspace{2pt plus 1pt minus 1pt}
5342 \\
5343 \editorialAuthorFormat{#2}
5344 \end{tabular}
5345 \end{center}
5346 }
5347 \newenvironment{editorial}[4]
5348 {
5349 \xepersian@say{Adding a new editorial}

```



```

5350 \begin{multicols}{#1}[%
5351 \xepersian@editorialTit{#2}{#3}%
5352 ] [4cm]
5353 \label{#4}
5354 \ifnum #1 > \minraggedcols
5355 \raggedFormat
5356 \fi
5357 }
5358 {
5359 \end{multicols}
5360 }
5361 \newcommand{\xepersian@shortarticleTit}[2]{
5362 \begin{center}
5363 \vbox{%
5364 \noindent
5365 \xepersian@shortarticleTitle{#1}
5366 \vspace{4pt plus 2pt minus 2pt}
5367 \hrule
5368 \vspace{4pt plus 2pt minus 2pt}
5369 \xepersian@shortarticleSubtitle{#2}
5370 }
5371 \end{center}
5372 }
5373 \newenvironment{shortarticle}[4]
5374 {
5375 \xepersian@say{Adding a short article block}
5376 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5377 \label{#4}
5378 \par %
5379 \ifnum #1 > \minraggedcols
5380 \raggedFormat
5381 \fi
5382 }
5383 {
5384 \end{multicols}
5385 }
5386 \newcommand{\shortarticleitem}[2]{
5387 \goodbreak
5388 \vspace{5pt plus 3pt minus 3pt}
5389 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5390 \vspace{5pt plus 3pt minus 3pt}
5391 {\noindent #2}\
5392 }

```

## 63 File unicode-persianmath.sty

```

5393 \NeedsTeXFormat{LaTeX2e}
5394 \ProvidesPackage{unicode-persianmath}
5395 [2026/01/01 v1.2.6 Unicode Persian math]
5396 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5397 \let\newfam\new@mathgroup
5398 \def\select@group#1#2#3#4{%
5399 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5400 }%

```



```

5401 \ifmmode
5402 \ifnum\csname c@mv@math@version\endcsname<\@cclvi
5403   \begingroup
5404     \escapechar\m@ne
5405     \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
5406     \globaldefs\@ne \math@fonts
5407   \endgroup
5408   \init@restore@version
5409   \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5410     {\number\csname c@mv@math@version\endcsname}}%
5411   \global\advance\csname c@mv@math@version\endcsname\@ne
5412 \else
5413   \let#1\relax
5414   \@latex@error{Too many math alphabets used in
5415     version \math@version}%
5416   \@eha
5417 \fi
5418 \else \expandafter\non@alpherr\fi
5419 #1{#4}%
5420 }%
5421 }
5422 \def\document@select@group#1#2#3#4{%
5423 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5424 {%
5425 \ifmmode
5426   \ifnum\csname c@mv@math@version\endcsname<\@cclvi
5427     \begingroup
5428       \escapechar\m@ne
5429       \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
5430       \globaldefs\@ne \math@fonts
5431     \endgroup
5432     \expandafter\extract@alph@from@version
5433       \csname mv@math@version\expandafter\endcsname
5434       \expandafter{\number\csname
5435         c@mv@math@version\endcsname}%
5436       #1%
5437     \global\advance\csname c@mv@math@version\endcsname\@ne
5438 \else
5439   \let#1\relax
5440   \@latex@error{Too many math alphabets used
5441     in version \math@version}%
5442   \@eha
5443 \fi
5444 \else \expandafter\non@alpherr\fi
5445 #1{#4}%
5446 }%
5447 }
5448 \ExplSyntaxOn
5449 \bool_set_false:N \g__fontspec_math_bool
5450 \tl_map_inline:nn
5451 {
5452 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5453 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5454 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion

```



```

5455 \version@list\version@elt\alpha@list\alpha@elt
5456 \restore@mathversion\init@restore@version\dorestore@version\process@table
5457 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5458 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5459 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5460 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5461 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5462 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5463 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5464 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5465 }
5466 {
5467 \tl_remove_once:Nn \@preamblecmds {\do#1}
5468 }
5469 \ExplSyntaxOff
5470 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{unicode-persianmath}{#1}}
5471 \newcommand\SetMathCode[4]{%
5472 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5473 \newcommand\SetMathCharDef[4]{%
5474 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5475 \ExplSyntaxOn
5476 \cs_new_eq:NN \orig_mathbf:n \mathbf
5477 \cs_new_eq:NN \orig_mathit:n \mathit
5478 \cs_new_eq:NN \orig_mathrm:n \mathrm
5479 \cs_new_eq:NN \orig_mathsf:n \mathsf
5480 \cs_new_eq:NN \orig_mathtt:n \mathtt
5481 %\int_const:Nn \c_one_int { 1 }
5482
5483 \RenewDocumentCommand \mathsf{ m } {
5484 \orig_mathsf:n {
5485 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5486 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5487 }
5488 \SetMathCode{`}%}{\mathord}{operators}{`}%}
5489 \tl_set_eq:NN \MathDecimalSeparator \decimalseparator@point
5490 #1
5491 }
5492 }
5493 \RenewDocumentCommand \mathtt{ m } {
5494 \orig_mathtt:n {
5495 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5496 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5497 }
5498 \SetMathCode{`}%}{\mathord}{operators}{`}%}
5499 \tl_set_eq:NN \MathDecimalSeparator \decimalseparator@point
5500 #1
5501 }
5502 }
5503
5504
5505 \NewDocumentCommand \new@mathbf { m } {
5506 \orig_mathbf:n {
5507 \SetPersianMathDigitsCode{\mathord}{persianoperatorsbf}
5508 #1

```



```

5509 }
5510 }
5511 \NewDocumentCommand \new@mathit { m } {
5512   \orig_mathit:n {
5513     \SetPersianMathDigitsCode{\mathord}{persianoperatorsit}
5514     #1
5515   }
5516 }
5517 \NewDocumentCommand \new@mathrm { m } {
5518   \orig_mathrm:n {
5519     \SetPersianMathDigitsCode{\mathord}{persianoperators}
5520     #1
5521   }
5522 }
5523 \NewDocumentCommand \new@mathsf { m } {
5524   \orig_mathsf:n {
5525     \SetPersianMathDigitsCode{\mathord}{persianoperatorssf}
5526     #1
5527   }
5528 }
5529 \NewDocumentCommand \new@mathtt { m } {
5530   \orig_mathtt:n {
5531     \SetPersianMathDigitsCode{\mathord}{persianoperatorstt}
5532     #1
5533   }
5534 }
5535
5536 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {unicode-persianmath}
5537 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5538 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5539 \char_set_catcode_space:n {32}
5540 \__xepersian_mathdigitsspec_msg_new:nnnn {unicode-persianmath} {char-not-exist}
5541 {
5542   The font "#1" does not contain U+#2.
5543 }
5544 {
5545   Select another font and rerun TeX.
5546 }
5547 \char_set_catcode_ignore:n {32}
5548
5549 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5550 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5551 {
5552   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5553   \prg_return_true:
5554   \else:
5555     \prg_return_false:
5556   \fi:
5557 }
5558
5559 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5560
5561 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5562 {

```



```

5563 \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5564 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5565     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5566 }
5567 }
5568
5569 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5570 {
5571     \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5572     \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5573         \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5574     }
5575 }
5576
5577 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5578 {
5579     \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5580     \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5581         \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5582     }
5583 }
5584
5585 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5586 {
5587     \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5588         06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5589         06F9 , 066A , 066B
5590     } { #1 }
5591 }
5592
5593 \NewDocumentCommand \SetPersianMathDigitsCode { m m }
5594 {
5595     \SetMathCode{`0}{#1}{#2}{` }
5596     \SetMathCode{`1}{#1}{#2}{` }
5597     \SetMathCode{`2}{#1}{#2}{` }
5598     \SetMathCode{`3}{#1}{#2}{` }
5599     \SetMathCode{`4}{#1}{#2}{` }
5600     \SetMathCode{`5}{#1}{#2}{` }
5601     \SetMathCode{`6}{#1}{#2}{` }
5602     \SetMathCode{`7}{#1}{#2}{` }
5603     \SetMathCode{`8}{#1}{#2}{` }
5604     \SetMathCode{`9}{#1}{#2}{` }
5605 }
5606
5607 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5608 {
5609     \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5610 }
5611 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5612 {
5613     \let\glb@currsize\relax
5614     \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {#1} {#2}
5615     \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5616     \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}

```



```

5617 \DeclareSymbolFont{persianoperators} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfa
5618 \DeclareSymbolFont{persianoperatorsbf}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfa
5619 \DeclareSymbolFont{persianoperatorsit}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfa
5620 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5621 \def\persianmathdigits{%
5622   \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5623   \SetMathCode{\`}{\mathord}{persianoperators}{` }
5624   \SetMathCharDef{\persiandecimalseparator}{\mathord}{persianoperators}{` }
5625   \tl_set_eq:NN \mathbf \new@mathbf
5626   \tl_set_eq:NN \mathit \new@mathit
5627   \tl_set_eq:NN \mathrm \new@mathrm
5628 }
5629 }
5630
5631 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5632
5633 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5634 {
5635   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5636 }
5637 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5638 {
5639   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {#1} {#2}
5640   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5641   \DeclareSymbolFont{persianoperatorssf}{\g_fontspec_encoding_tl}{\g__xepersian_mathsdig
5642     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5643   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5644 }
5645
5646 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5647
5648 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5649 {
5650   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5651 }
5652 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5653 {
5654   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {#1} {#2}
5655   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5656   \DeclareSymbolFont{persianoperatorstt}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdig
5657     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5658   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5659 }
5660
5661 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5662
5663 \ExplSyntaxOff
5664 \mathchardef\decimalseparator@point="013A
5665 %{\%
5666 % \catcode`\.=\active
5667 % \gdef.{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}]
5668 \bgroup
5669 \uccode`\~`\.%
5670 \uppercase{%

```



```

5671 \egroup
5672 \def~}{\futurelet\@let@token\@decimalseparator@check}
5673 \newcommand*{\@decimalseparator@next@tokenlist}{0123456789\dot\overline}
5674 \def\@decimalseparator@check{%
5675 \let\@tempb\decimalseparator@point
5676 \expandafter\@tfor\expandafter\@tempa\expandafter:\expandafter=%
5677 \@decimalseparator@next@tokenlist\do{%
5678 \expandafter\ifx\@tempa\@let@token
5679 \let\@tempb\MathDecimalSeparator \@break@tfor
5680 \fi
5681 }%
5682 \@tempb
5683 }
5684 \def~}{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}
5685 %\def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@
5686 %\def\decimalseparator@check#1#2{%
5687 \ifx\@let@decimalsep@token1\endgroup#1\else
5688 \ifx\@let@decimalsep@token2\endgroup#1\else
5689 \ifx\@let@decimalsep@token3\endgroup#1\else
5690 \ifx\@let@decimalsep@token4\endgroup#1\else
5691 \ifx\@let@decimalsep@token5\endgroup#1\else
5692 \ifx\@let@decimalsep@token6\endgroup#1\else
5693 \ifx\@let@decimalsep@token7\endgroup#1\else
5694 \ifx\@let@decimalsep@token8\endgroup#1\else
5695 \ifx\@let@decimalsep@token9\endgroup#1\else
5696 \ifx\@let@decimalsep@token0\endgroup#1\else
5697 \ifx\@let@decimalsep@token\dot\endgroup#1\else
5698 \ifx\@let@decimalsep@token\overline\endgroup#1\else
5699 \endgroup#2%
5700 \fi
5701 \fi
5702 \fi
5703 \fi
5704 \fi
5705 \fi
5706 \fi
5707 \fi
5708 \fi
5709 \fi
5710 \fi
5711 \fi}
5712 \AtBeginDocument{\mathcode`.=8000\relax}
5713 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined \decimalseparator@point\else
5714 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5715 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5716 \def\DefaultMathDigits{%
5717 \DefaultInlineMathDigits%
5718 \DefaultDisplayMathDigits%
5719 }
5720 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5721 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5722 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5723 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
5724 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%

```





```

5725 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5726 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5727 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5728 \def\PersianMathDigits{%
5729   \PersianInlineMathDigits%
5730   \PersianDisplayMathDigits%
5731 }
5732 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5733 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5734 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5735 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5736 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5737 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5738 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5739 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5740 \def\AutoMathDigits{%
5741   \AutoInlineMathDigits%
5742   \AutoDisplayMathDigits%
5743 }
5744 \AutoMathDigits
5745 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5746   \let\SetDisplayMathDigits\relax%
5747 }
5748 \everydisplay\expandafter{%
5749   \the\everydisplay\SetDisplayMathDigits%
5750   \let\SetInlineMathDigits\relax%
5751 }
5752
5753 \ExplSyntaxOn
5754 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5755
5756 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5757   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5758     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5759   }
5760   \SetMathCode{`}%}{\mathord}{operators}{`}%}
5761   \tl_set_eq:NN \MathDecimalSeparator \decimalseparator@point
5762   \tl_set_eq:NN \mathbf \orig_mathbf:n
5763   \tl_set_eq:NN \mathit \orig_mathit:n
5764   \tl_set_eq:NN \mathrm \orig_mathrm:n
5765   \tl_set_eq:NN \mathsf \orig_mathsf:n
5766   \tl_set_eq:NN \mathtt \orig_mathtt:n
5767 }
5768
5769 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5770   \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5771   \SetMathCode{`}%}{\mathord}{persianoperators}{`}%}
5772   \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5773   \tl_set_eq:NN \mathbf \new@mathbf
5774   \tl_set_eq:NN \mathit \new@mathit
5775   \tl_set_eq:NN \mathrm \new@mathrm
5776   \tl_set_eq:NN \mathsf \new@mathsf
5777   \tl_set_eq:NN \mathtt \new@mathtt
5778 }

```



5779 \ExplSyntaxOff

## 64 File xepersian-multiplechoice.sty

```
5780 \NeedsTeXFormat{LaTeX2e}
5781 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5782     Multiple Choice Questionnaire class for Persian in XeLaTeX]
5783 \RequirePackage{pifont}
5784 \RequirePackage{fullpage}
5785 \RequirePackage{ifthen}
5786 \RequirePackage{calc}
5787 \RequirePackage{verbatim}
5788 \RequirePackage{tabularx}
5789 \def\@headerfont{\bfseries}
5790 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5791 \def\@X{X}
5792 \newcommand\X[1]{\gdef\@X{#1}}
5793 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5794 \newcolumntype{D}{>{\pbs\centering}X}
5795 \newcolumntype{Q}{>{\@headerfont}X}
5796
5797 \renewcommand\tabularxcolumn[1]{m{#1}}
5798 \newcommand\makeform@nocorrection{%
5799     \addtocontents{frm}{\protect\end{tabularx}}
5800     \@starttoc{frm}}
5801 \newcommand\makeform@correction{%
5802     \addtocontents{frm}{\protect\end{tabularx}}}
5803 \newcommand\makemask@nocorrection{%
5804     \addtocontents{msk}{\protect\end{tabularx}}
5805     \@starttoc{msk}}
5806 \newcommand\makemask@correction{%
5807     \addtocontents{msk}{\protect\end{tabularx}}}
5808 \newlength\questionspace
5809 \setlength\questionspace{0pt}
5810 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5811 \def\@answerstitlefont{\bfseries}
5812 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5813 \def\@answernumberfont{\bfseries}
5814 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5815 \newcounter{question}\stepcounter{question}
5816 \newcounter{@choice}
5817 \def\@initiorcheck{%
5818     \xdef\@choices{\the@choice}%
5819     \setcounter{@choice}{1}%
5820     \gdef\@arraydesc{|Q|}%
5821     \gdef\@headerline{}}
5822 \whiledo{\not{value{@choice}>\@choices}}{
5823     \xdef\@arraydesc{\@arraydesc D|}
5824     \def\@appendheader{\g@addto@macro\@headerline}
5825     \@appendheader{&\protect\@headerfont}
5826     \edef\@the@choice{\alph{@choice}}
5827     \expandafter\@appendheader\@the@choice
5828     \stepcounter{@choice}}%
5829 \addtocontents{frm}{%
```



```

5830 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5831 \protect\hline
5832 \@headerline\protect\\\protect\hline\protect\hline}%
5833 \addtocontents{msk}{%
5834 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5835 \protect\hline
5836 \@headerline\protect\\\protect\hline\protect\hline}%
5837 \gdef\@initorcheck{%
5838 \ifthenelse{\value{@choice} = \@choices}{}{%
5839 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5840 (\the@choice\space instead of \@choices)}{%
5841 Questions must all have the same number of proposed answers.%
5842 \MessageBreak
5843 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun TeX.}}}%
5844 \newenvironment{question}[1]{%
5845 %% \begin{question}
5846 \begin{minipage}{\textwidth}
5847 \xdef\@formanswerline{\@questionheader}%
5848 \xdef\@maskanswerline{\@questionheader}%
5849 \fbox{\parbox[c]{\linewidth}{#1}}
5850 \vspace\questionspace\par
5851 {\@answerstitlefont\@answerstitle}
5852 \begin{list}{\@answernumberfont\alph{@choice)}~}{\usecounter{@choice}}}%
5853 %% \end{question}
5854 \end{list}
5855 \@initorcheck%
5856 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
5857 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
5858 \end{minipage}
5859 \stepcounter{question}}
5860 \def\@truesymbol{\ding{52}~}
5861 \def\@falsesymbol{\ding{56}~}
5862 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5863 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5864 \def\@true@nocorrection{\item}
5865 \def\@false@nocorrection{\item}
5866 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5867 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5868 \newcommand\true{%
5869 \xdef\@formanswerline{\@formanswerline&}%
5870 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5871 \@true}%
5872 \newcommand>false{%
5873 \xdef\@formanswerline{\@formanswerline&}%
5874 \xdef\@maskanswerline{\@maskanswerline&}%
5875 \@false}%
5876 \def\@correctionstyle{\itshape}
5877 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5878 \newenvironment{@correction}{\@correctionstyle}{}
5879 \def\@questionheader{ \thequestion}
5880 \answerstitle{ { :
5881 \DeclareOption{nocorrection}{%
5882 \let\@true\@true@nocorrection
5883 \let\@false\@false@nocorrection

```



```

5884 \let\correction\comment
5885 \let\endcorrection\endcomment
5886 \def\makeform{\makeform@nocorrection}
5887 \def\makemask{\makemask@nocorrection}}
5888 \DeclareOption{correction}{%
5889 \let\@true\@true@correction
5890 \let\@false\@false@correction
5891 \let\correction\@correction
5892 \let\endcorrection\end@correction
5893 \def\makeform{\makeform@correction}
5894 \def\makemask{\makemask@correction}}
5895 \ExecuteOptions{nocorrection}
5896 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5897 \def\@questiontitlefont{\bfseries}
5898 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5899 \newlength\questiontitlespace
5900 \setlength\questiontitlespace{5pt}
5901 \newlength\questionsepspace
5902 \setlength\questionsepspace{20pt}
5903 \gdef\@questionsepspace{0pt}
5904 \let\old@question\question
5905 \let\old@endquestion\endquestion
5906 \renewenvironment{question}[1]{%
5907 %% \begin{question}
5908 \vspace\@questionsepspace
5909 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5910 \nopagebreak\vspace\questiontitlespace\par
5911 \old@question{#1}}{%
5912 %% \end{question}
5913 \old@endquestion
5914 \gdef\@questionsepspace{\questionsepspace}}
5915 \questiontitle{ \thequestion:}
5916 \ProcessOptions

```

## 65 File unicode-persiancal.sty

```

5917 \NeedsTeXFormat{LaTeX2e}
5918 \ProvidesPackage{unicode-persiancal}[2025/01/01 v0.3 Unicode Persian calendar]
5919
5920 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5921 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@
5922 \newcount\XePersian@latini \newcount\XePersian@persiani
5923 \newcount\XePersian@latinii \newcount\XePersian@persianii
5924 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5925 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5926 \newcount\XePersian@latinv \newcount\XePersian@persianv
5927 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5928 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5929 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5930 \newcount\XePersian@latinix \newcount\XePersian@persianix
5931 \newcount\XePersian@latinix \newcount\XePersian@persianx
5932 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5933 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5934 \newcount\XePersian@persianxiii

```



```

5935
5936 \newcount\XePersian@temp
5937 \newcount\XePersian@temptwo
5938 \newcount\XePersian@tempthree
5939 \newcount\XePersian@yModHundred
5940 \newcount\XePersian@thirtytwo
5941 \newcount\XePersian@dn
5942 \newcount\XePersian@sn
5943 \newcount\XePersian@mminusone
5944
5945
5946 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5947 \XePersian@temp=\XePersian@y
5948 \divide\XePersian@temp by 100\relax
5949 \multiply\XePersian@temp by 100\relax
5950 \XePersian@yModHundred=\XePersian@y
5951 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5952 \ifodd\XePersian@yModHundred
5953   \XePersian@leapfalse
5954 \else
5955   \XePersian@temp=\XePersian@yModHundred
5956   \divide\XePersian@temp by 2\relax
5957   \ifodd\XePersian@temp\XePersian@leapfalse
5958   \else
5959     \ifnum\XePersian@yModHundred=0%
5960       \XePersian@temp=\XePersian@y
5961       \divide\XePersian@temp by 400\relax
5962       \multiply\XePersian@temp by 400\relax
5963       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5964     \else\XePersian@leaptrue
5965     \fi
5966   \fi
5967 \fi
5968 \XePersian@latini=31\relax
5969 \ifXePersian@leap
5970   \XePersian@latinii = 29\relax
5971 \else
5972   \XePersian@latinii = 28\relax
5973 \fi
5974 \XePersian@latiniii = 31\relax
5975 \XePersian@latiniv = 30\relax
5976 \XePersian@latinv = 31\relax
5977 \XePersian@latinvi = 30\relax
5978 \XePersian@latinvii = 31\relax
5979 \XePersian@latinviii = 31\relax
5980 \XePersian@latinix = 30\relax
5981 \XePersian@latinx = 31\relax
5982 \XePersian@latinxi = 30\relax
5983 \XePersian@latinxii = 31\relax
5984 \XePersian@thirtytwo=32\relax
5985 \XePersian@temp=\XePersian@y
5986 \advance\XePersian@temp by -17\relax
5987 \XePersian@temptwo=\XePersian@temp
5988 \divide\XePersian@temptwo by 33\relax

```



```

5989 \multiply\XePersian@temptwo by 33\relax
5990 \advance\XePersian@temp by -\XePersian@temptwo
5991 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5992 \else
5993   \XePersian@temptwo=\XePersian@temp
5994   \divide\XePersian@temptwo by 4\relax
5995   \multiply\XePersian@temptwo by 4\relax
5996   \advance\XePersian@temp by -\XePersian@temptwo
5997   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5998 \fi
5999 \XePersian@tempthree=\XePersian@           % Number of Leap years
6000 \advance\XePersian@tempthree by -1
6001 \XePersian@temp=\XePersian@tempthree           % T := (MY-1) div 4
6002 \divide\XePersian@temp by 4\relax
6003 \XePersian@temptwo=\XePersian@tempthree           % T := T - ((MY-1) div 100)
6004 \divide\XePersian@temptwo by 100\relax
6005 \advance\XePersian@temp by -\XePersian@temptwo
6006 \XePersian@temptwo=\XePersian@tempthree           % T := T + ((MY-1) div 400)
6007 \divide\XePersian@temptwo by 400\relax
6008 \advance\XePersian@temp by \XePersian@temptwo
6009 \advance\XePersian@tempthree by -611           % Number of Kabise years
6010 \XePersian@temptwo=\XePersian@tempthree           % T := T - ((SY+10) div 33) * 8
6011 \divide\XePersian@temptwo by 33\relax
6012 \multiply\XePersian@temptwo by 8\relax
6013 \advance\XePersian@temp by -\XePersian@temptwo
6014 \XePersian@temptwo=\XePersian@tempthree           %
6015 \divide\XePersian@temptwo by 33\relax
6016 \multiply\XePersian@temptwo by 33\relax
6017 \advance\XePersian@tempthree by -\XePersian@temptwo
6018 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
6019 \divide\XePersian@tempthree by 4\relax           % T := T - ((SY+10) mod 33) div 4
6020 \advance\XePersian@temp by -\XePersian@tempthree
6021 \advance\XePersian@temp by -137           % T := T - 137 Adjust the value
6022 \XePersian@persiani=31
6023 \advance\XePersian@persiani by -\XePersian@temp           % now 31 - T is the persiani
6024 \XePersian@persianii = 30\relax
6025 \ifXePersian@kabiseh
6026   \XePersian@persianiii = 30\relax
6027 \else
6028   \XePersian@persianiii = 29\relax
6029 \fi
6030 \XePersian@persianiv = 31\relax
6031 \XePersian@persianv = 31\relax
6032 \XePersian@persianvi = 31\relax
6033 \XePersian@persianvii = 31\relax
6034 \XePersian@persianviii= 31\relax
6035 \XePersian@persianix = 31\relax
6036 \XePersian@persianx = 30\relax
6037 \XePersian@persianxi = 30\relax
6038 \XePersian@persianxii = 30\relax
6039 \XePersian@persianxiii= 30\relax
6040 \XePersian@dn= 0\relax
6041 \XePersian@sn= 0\relax
6042 \XePersian@mminusone=\XePersian@m

```



```

6043 \advance\XePersian@mminusone by -1\relax
6044 \XePersian@i=0\relax
6045 \ifnum\XePersian@i < \XePersian@mminusone
6046 \loop
6047 \advance \XePersian@i by 1\relax
6048 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
6049 \ifnum\XePersian@i<\XePersian@mminusone \repeat
6050 \fi
6051 \advance \XePersian@dn by \XePersian@d
6052 \XePersian@i=1\relax
6053 \XePersian@sn = \XePersian@persiani
6054 \ifnum \XePersian@sn<\XePersian@dn
6055 \loop
6056 \advance \XePersian@i by 1\relax
6057 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6058 \ifnum \XePersian@sn<\XePersian@dn \repeat
6059 \fi
6060 \ifnum \XePersian@i < 4
6061 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
6062 \advance \XePersian@y by -622\relax
6063 \else
6064 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6065 \advance \XePersian@y by -621\relax
6066 \fi
6067 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
6068 \endcsname
6069 \ifnum\XePersian@i = 1
6070 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
6071 \else
6072 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6073 \fi
6074 \newcommand*\{persiantoday}\{%
6075 \number\XePersian@d\space%
6076 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
6077 }
6078 \let\persianyear\XePersian@y
6079 \let\persianmonth\XePersian@m
6080 \let\persianday\XePersian@d
6081 \def\XePersian@persian@month#1{\ifcase#1\or \
6082 or\
6083 or\ or\
6084 or\
6085 or\ or\
6086 or\ or\
6087 or\ or\
6088 \fi\
6089
6090 \newcommand*\{persianseason}\{%
6091 \ifcase\persianmonth\or
6092 or\ or\ or\ or\ or\ or\
6093 or\ or\ or\ or\ or\ fi\
6094 }

```



## Index

### Symbols

- \! ..... 2322
- \% 2465, 2467, 5488, 5498, 5623, 5760, 5771
- \. .... 5666, 5669
- \@and ..... 4085
- \@math ..... 195
- \@maybeautodot 2803, 2804, 2822, 2859, 2860, 2878, 2911, 2912, 2930
- \@par ..... 1849
- \@textdigitfont@onfalse . 3783
- \@textdigitfont@ontrue . . 3782
- \@Abjad 1238, 3165, 3166, 4094, 4102, 4103
- \@Alph 2816, 2872, 2924, 3161, 3166, 4360, 4363
- \@DeclareMathDelimiter . . . 5462
- \@DeclareMathSizes ..... 5453
- \@False ..... 183, 185
- \@Kashida@onfalse ..... 1619
- \@Kashida@ontrue ..... 1618
- \@LTRfootnotetext ..... 1879
- \@LTRmarginparreset ..... 3715
- \@Latincitex . . 73, 74, 2113, 2122, 2312, 3723, 3724
- \@M ..... 199, 4136, 4237, 4332
- \@Mi ..... 195
- \@Mii ..... 1772
- \@Miii ..... 1774
- \@RTL@footnotefalse . 3690, 3710
- \@RTL@footnotettrue . . 3700, 3711
- \@RTLfalse ..... 165, 177, 190
- \@RTLfootnotetext ..... 1880
- \@Roman ..... 2818, 2874, 2926
- \@SepMark ..... 1708
- \@SetTab ..... 2951
- \@True ..... 178, 184
- \@X ..... 5791, 5792, 5870
- \@abjad 1239, 3160, 3161, 4321, 4340, 4341
- \@acol ..... 2004, 2012
- \@acolampacol . . 2002, 2004, 2010, 2012
- \@adadi 1236, 2814, 2870, 2922, 4110, 4112, 4115
- \@addamp ..... 2003, 2011
- \@addtopreamble ..... 1971
- \@alph 2817, 2873, 2925, 2952, 3160, 3165, 4359, 4362
- \@ampacol ..... 2002, 2010
- \@answernumberfont . 5813, 5814, 5852
- \@answerstitle ..... 5810, 5851
- \@answerstitlefont . 5811, 5812, 5851
- \@appendheader . . 5824, 5825, 5827
- \@arrayclassz ..... 2002
- \@arraydesc 5820, 5823, 5830, 5834
- \@arrayrule 1950, 1951, 1952, 1994, 1995, 1996
- \@author ..... 4800, 4812
- \@autodottrue . . 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928
- \@auxout ..... 3729
- \@begin@tempboxa ..... 1849
- \@biblabel ..... 2114, 2123
- \@bibsetup ..... 2115, 2124
- \@bidi@list@minipage@parbox@not@nobtrue ..... 1846, 1868
- \@bidi@list@minipage@parboxtrue ..... 1847, 1869
- \@bidi@logo ..... 4053
- \@bidi@logo@ ..... 4049
- \@bidi@logo@hb@xt@columnwidth ..... 4050
- \@bidi@pdfcreator ..... 4055
- \@bidityftesidenote@LTRmarginfont ..... 115
- \@bidityftesidenote@RTLmarginfont ..... 117
- \@break@tfor ..... 5679
- \@bsphack ..... 1771
- \@cctype . . 1759, 1822, 2069, 2079
- \@cclvi ..... 5396, 5402, 5426
- \@chapapp . . 30, 131, 142, 149, 161,



1314, 1326, 1714, 2748, 2755,  
 2762, 2770, 2852, 2904  
 \@chclass . 1884, 1892, 1900, 1915,  
 1929, 1934, 1949, 1965, 1985,  
 1993, 2023, 2046, 2060  
 \@chnum 1886, 1887, 1888, 1889, 1890,  
 1891, 1901, 1908, 1922, 1935,  
 1942, 1958, 1971, 1987, 1988,  
 1989, 1990, 1991, 1992, 2006,  
 2014, 2024, 2031, 2053  
 \@choices . . 5818, 5822, 5838, 5840  
 \@cite 2101, 2108, 2120, 2136, 2225,  
 3726  
 \@cite@ofmt . . . . . 3734  
 \@citea 2141, 2155, 2169, 2178, 2179,  
 2180, 2185, 2200, 2208, 2209,  
 2210, 2244, 2260, 2278, 3725,  
 3727  
 \@citeb 2137, 2139, 2141, 2144, 2146,  
 2147, 2149, 2172, 2203, 2226,  
 2228, 2230, 2233, 2235, 2236,  
 2238, 3726, 3728, 3729, 3730,  
 3733, 3734  
 \@citex . . . . . 2112, 2121  
 \@classx . . . . . 1968  
 \@classz . . . . . 1968  
 \@correction . . . . . 5891  
 \@correctionstyle . . 5876, 5877,  
 5878  
 \@ctrerr . . . . . 4101, 4106  
 \@currbox . 1779, 1825, 1829, 2068,  
 2072, 2078, 2082  
 \@currenvir 2386, 2388, 2389, 2776,  
 2831, 2883  
 \@customlogo . . . . . 4900, 4909  
 \@custommagazinename . 4669, 4902  
 \@customminilogo . . . . 4901, 4915  
 \@customwwwTxt . . 4630, 4633, 4685  
 \@date . . . . . 4803, 4813  
 \@dblfpbot . . . . . 4045  
 \@dblfpsep . . . . . 4044  
 \@dblfpstop . . . . . 4043  
 \@decimalseparator@check 5672,  
 5674  
 \@decimalseparator@next@tokenlist  
 3083, 3087, 3091, 5673, 5677  
 \@defaultunits . . . . . 3820, 3824  
 \@dgroup . . . . . 177  
 \@dmath . . . . . 165, 194  
 \@doendpe . . . . . 2403  
 \@dseries . . . . . 190  
 \@eha . . . . . 5416, 5442  
 \@empty 180, 1766, 2126, 2136, 2139,  
 2225, 2228, 2357, 3725, 3728,  
 4195, 4201, 4204, 4207, 4312,  
 4811, 4812, 4813, 4814  
 \@emptytoks . . . . . 179  
 \@enGroup . . . . . 1228  
 \@enLabel . 1219, 1220, 1221, 1222,  
 1223, 1224, 1225, 1226  
 \@enOther . . . . . 1230  
 \@enSpace . . . . . 1227  
 \@end@tempboxa . . . . . 1864  
 \@endpbox . . . . . 1978, 1979  
 \@endptrue . . . . . 3699, 3709  
 \@enhook . . . . . 1231  
 \@enloop@ . . . . . 1218  
 \@entemp . . 1219, 1220, 1221, 1222,  
 1223, 1224, 1225, 1226, 1227,  
 1228, 1229  
 \@enum@ . . . . . 1229  
 \@extra@b@citeb 2141, 2147, 2149,  
 2172, 2203, 2230, 2236, 2238  
 \@false . . . . . 5875, 5883, 5890  
 \@false@correction . . 5867, 5890  
 \@false@nocorrection . 5865, 5883  
 \@falsesymbol . . . 5861, 5863, 5867  
 \@firstampfalse . . . . 2004, 2012  
 \@firstofone . . . 1543, 1544, 2139,  
 2228, 3728, 5399, 5423  
 \@float@HH . . . . . 2065, 2066  
 \@float@Hx . . . . . 2064, 2065  
 \@float@ . . . . . 2065, 2076  
 \@floatboxreset . 1835, 2074, 2084  
 \@floatcapt . . . . . 2069, 2079  
 \@floatpenalty . . 1772, 1774, 1777  
 \@flstylefalse . . . . . 2071, 2081  
 \@flstyletrue . . . . . 2071, 2081  
 \@fltovf . . . . . 1827  
 \@footnotetext . . . . . 1878  
 \@for . . . . . 2137, 2226, 3726, 4448  
 \@formanswerline 5847, 5856, 5869,  
 5873  
 \@fpbot . . . . . 4042  
 \@fps . . 1760, 1761, 1763, 1766, 1783  
 \@fpsaddefault . . . . . 1764, 1767  
 \@fpsep . . . . . 4041, 4044  
 \@fpstop . . . . 4040, 4042, 4043, 4045  
 \@freelist . . . . . 1779  
 \@gobble . . . . . 1229



<code>\@harfi</code>	12, 20, 31, 34, 43, 49, 55, 61, 132, 143, 150, 162, 1237, 1304, 1315, 1327, 1565, 1715, 2749, 2756, 2763, 2771, 2797, 2813, 2853, 2869, 2905, 2921, 4104, 4107, 4108	<code>\@listiv</code>	4006
<code>\@headerfont</code>	5789, 5790, 5795, 5825	<code>\@listv</code>	4015
<code>\@headerline</code>	5821, 5824, 5832, 5836	<code>\@listvi</code>	4024
<code>\@ifclassloaded</code>	3132	<code>\@m</code>	2118, 3727, 4135, 4236, 4330
<code>\@ifdefinable</code>	2420, 2422	<code>\@mainmatterfalse</code>	126, 137, 155, 1308, 2827
<code>\@ifnextchar</code>	2065, 2306, 2312, 3723	<code>\@maskanswerline</code>	5848, 5857, 5870, 5874
<code>\@ifnum</code>	2243, 2245, 2247, 2254, 2255, 2258, 2270, 2293, 2295	<code>\@memfront</code>	1706
<code>\@ifpackageloaded</code>	76	<code>\@minipagefalse</code>	3720
<code>\@ifstar</code>	2305	<code>\@minipagerestore</code>	1882
<code>\@ifundefined</code>	72, 2141, 2147, 2230, 2236, 3730	<code>\@minipagetrue</code>	3719
<code>\@ignoretrue</code>	201	<code>\@minus</code>	3791, 3793, 3797, 3799, 3805, 3807, 3811, 3813, 3987
<code>\@iiiminipage</code>	1865	<code>\@mpLTRfootnotetext</code>	1879
<code>\@iiiparbox</code>	1843	<code>\@mpRTLfootnotetext</code>	1880
<code>\@indexfile</code>	3137	<code>\@mpargs</code>	1871
<code>\@initorcheck</code>	5817, 5837, 5855	<code>\@mpfn</code>	1877
<code>\@inlabelfalse</code>	168	<code>\@mpfootnotetext</code>	1878
<code>\@input@</code>	3140	<code>\@mplistdepth</code>	1881
<code>\@lastchclass</code>	1884, 1885, 1901, 1902, 1903, 1904, 1906, 1935, 1936, 1937, 1938, 1940, 1985, 1986, 2002, 2010, 2024, 2025, 2026, 2027, 2029	<code>\@namedef</code>	2095, 2149, 2238, 2402
<code>\@latex@error</code>	5414, 5440	<code>\@ne</code>	1789, 1795, 1888, 1889, 1892, 1901, 1911, 1912, 1916, 1935, 1945, 1946, 1950, 1951, 1952, 1989, 1990, 1994, 1995, 1996, 2024, 2034, 2035, 2047, 2243, 2255, 2257, 2270, 2278, 3221, 3222, 3223, 3224, 3225, 3677, 3678, 3769, 4122, 4163, 4170, 4182, 4187, 4223, 4264, 4271, 4283, 4288, 4456, 5406, 5411, 5430, 5437
<code>\@latex@warning</code>	3732	<code>\@next</code>	1779
<code>\@latinAlpha</code>	4360, 4363	<code>\@nextchar</code>	1907, 1909, 1910, 1911, 1912, 1913, 1914, 1916, 1917, 1918, 1919, 1920, 1923, 1924, 1925, 1926, 1927, 1928, 1941, 1943, 1944, 1945, 1946, 1947, 1948, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1959, 1960, 1961, 1962, 1963, 1964, 1976, 1978, 1979, 2030, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2047, 2048, 2049, 2050, 2051, 2054, 2055, 2056, 2058, 2059
<code>\@latinalph</code>	2952, 4359, 4362, 4365	<code>\@nextchar</code>	2057
<code>\@let@decimalsep@token</code>	5667, 5684, 5687, 5688, 5689, 5690, 5691, 5692, 5693, 5694, 5695, 5696, 5697, 5698	<code>\@nil</code>	2332, 2336, 2337, 2342, 2344, 4153, 4156, 4254, 4257, 4435,
<code>\@let@token</code>	5672, 5678		
<code>\@list@extra</code>	3929, 3936, 3945, 3952, 3960, 3967, 3975, 3983, 3990, 3999, 4003, 4008, 4012, 4017, 4021, 4026		
<code>\@listI</code>	3843, 3938		
<code>\@listdepth</code>	1881		
<code>\@listi</code>	3843, 3860, 3877, 3932, 3938, 4028		
<code>\@listi@footnotesize</code>	3877, 3963		
<code>\@listi@small</code>	3860, 3948		
<code>\@listii</code>	3978		
<code>\@listiii</code>	3993		



4442, 4445  
 \@nnil . . . . . 3820, 3824, 3828, 3829  
 \@nodocument . . . . . 1758  
 \@nonlatinfalse . . . . . 3665  
 \@nonlatintrue . . . . . 3679  
 \@onelevel@sanitize . . . . . 1761  
 \@parboxrestore 1834, 1849, 1876,  
 2073, 2083  
 \@parboxto . . . . . 1852, 1861  
 \@parmoderr . . . . . 1777  
 \@pboxswfalse . . . . . 1845, 1867  
 \@pboxswtrue . . . . . 1859  
 \@plus 3791, 3793, 3797, 3799, 3805,  
 3807, 3811, 3813, 3987, 4040,  
 4041  
 \@ppsavesec . . . . . 25  
 \@preamble . . . . . 2005, 2013  
 \@preamblecmds . . . . . 5467  
 \@preamerr 1895, 1929, 1965, 1999,  
 2060  
 \@ptsize . . . . . 3823  
 \@questionheader 5847, 5848, 5879  
 \@questionsepspace . 5903, 5908,  
 5914  
 \@questiontitle . . . . . 5896, 5909  
 \@questiontitlefont 5897, 5898,  
 5909  
 \@resets@pp . . . . . 24, 1549, 1550  
 \@roman . . . . . 2819, 2875, 2927  
 \@safe@activefalse . 2140, 2229  
 \@safe@activetrue . . 2138, 2227  
 \@setfontsize . . 3837, 3854, 3871,  
 3882, 3888, 3894, 3900, 3906,  
 3912, 3918, 4600, 4606, 4608,  
 4611, 4618, 4624, 4625, 4626,  
 4627, 4628  
 \@setfpsbit 1799, 1802, 1805, 1808,  
 1811, 1814  
 \@setminipage . . . . . 1883  
 \@setnobreak . . . . . 2074, 2084  
 \@sharp 2007, 2008, 2009, 2015, 2016,  
 2017  
 \@smemfront . . . . . 1707  
 \@sptoken . . . . . 1227, 4437  
 \@startpbox . . . . . 1978, 1979  
 \@starttoc . . . . . 4069, 5800, 5805  
 \@stop . . . . . 2804, 2860, 2912  
 \@sx@xepersian@localize@verbatim  
 . . . . . 2095  
 \@tabclassz . . . . . 2010  
 \@tartibi . . . . . 9, 16, 39,  
 45, 51, 57, 123, 134, 145, 157,  
 1235, 1300, 1310, 1322, 1562,  
 1709, 1710, 2744, 2751, 2758,  
 2766, 2774, 2815, 2829, 2871,  
 2881, 2923, 4216, 4218, 4221  
 \@tempa 1219, 1220, 1221, 1222, 1223,  
 1224, 1225, 1226, 1227, 1228,  
 1229, 1230, 1233, 2342, 2344,  
 2426, 2427, 2428, 2429, 2430,  
 2431, 2432, 2433, 2434, 2435,  
 2436, 3828, 3829, 5676, 5678  
 \@tempb 3826, 3829, 3846, 3863, 3880,  
 3886, 3892, 3898, 3904, 3910,  
 3916, 5675, 5679, 5682  
 \@tempboxa . . . . . 1872  
 \@tempc 2357, 2370, 2380, 2382, 2383,  
 2386, 2394  
 \@tempcnta 1781, 1787, 1789, 1793,  
 1795, 1817, 1818, 1824, 1825,  
 1969, 2252, 2253, 2254, 2257,  
 2258, 4447, 4450, 4456  
 \@tempcntb . . . . . 1822, 1823, 1824  
 \@tempdima 1848, 1849, 1870, 1874,  
 3819, 3820, 3821, 3825, 3827,  
 3838, 3845, 3846, 3855, 3862,  
 3863, 3872, 3879, 3880, 3883,  
 3885, 3886, 3889, 3891, 3892,  
 3895, 3897, 3898, 3901, 3903,  
 3904, 3907, 3909, 3910, 3913,  
 3915, 3916, 3919  
 \@tempdimb 1851, 1852, 3824, 3825,  
 3831, 3832, 3834, 3838, 3846,  
 3848, 3849, 3851, 3855, 3863,  
 3865, 3866, 3868, 3872, 3880,  
 3883, 3886, 3889, 3892, 3895,  
 3898, 3901, 3904, 3907, 3910,  
 3913, 3916, 3919, 3922, 3924,  
 3926, 3940, 3942, 3955, 3957,  
 3970, 3972, 3986, 4029, 4030,  
 4032, 4034, 4036, 4041, 4046,  
 4459, 4460  
 \@tempdimc 3821, 3822, 3823, 3825,  
 3826, 3827, 3845, 3862, 3879,  
 3885, 3891, 3897, 3903, 3909,  
 3915  
 \@tempskipa . . . . . 4463, 4464  
 \@tempswafalse . 2270, 3723, 3927,  
 3943, 3958, 3973, 3988, 4001,  
 4010, 4019



<code>\@tempswattrue</code> .. 2269, 3723, 3929, 3945, 3960, 3975, 3990, 4003, 4012, 4021	<code>\]</code> ..... 2322
<code>\@temptokena</code> ... 2343, 2350, 2355, 2361, 2368, 2378, 2392	<code>\^</code> ..... 2323
<code>\@testpach</code> 1884, 1900, 1934, 1985, 2023	<code>\_</code> 3128, 3151, 3152, 3153, 3331, 3334, 3347, 3351, 3355, 3358, 3370, 3392, 3396, 3397, 3404, 3407, 3419, 3423, 3430, 3435, 3438, 3454, 3459, 3462, 3509, 3512, 3525, 3529, 3533, 3536, 3549, 3553, 3557, 3560, 3573, 3577, 3581, 3584, 3597, 3601, 3605, 3608, 3621, 3625, 3629, 3632, 3645, 3649, 5536, 5537, 5540, 5549, 5550, 5561, 5565, 5569, 5573, 5577, 5581, 5585, 5587, 5609, 5611, 5615, 5620, 5631, 5635, 5637, 5640, 5642, 5646, 5650, 5652, 5655, 5657, 5661
<code>\@tfor</code> ..... 1782, 2426, 5676	<code>\ </code> ..... 5077
<code>\@thanks</code> ..... 4805, 4811	<code>\~</code> ..... 2323, 2465, 5669
<code>\@the@choice</code> ..... 5826, 5827	
<code>\@title</code> ..... 4793, 4814	
<code>\@true</code> ..... 5871, 5882, 5889	
<code>\@true@correction</code> ... 5866, 5889	
<code>\@true@nocorrection</code> . 5864, 5882	
<code>\@truesymbol</code> .... 5860, 5862, 5866	
<code>\@verbatim</code> 2092, 2095, 2400, 2402, 2413	
<code>\@vobeyspaces</code> ..... 2092, 2400	
<code>\@warning</code> ..... 2399	
<code>\@x@xepersian@localize@verbatim</code> ..... 2092	
<code>\@xDeclareMathDelimiter</code> .. 5462	
<code>\@xepersian@baselineskip@scale</code> .. 3654, 3663, 3676, 3686	
<code>\@xepersian@@computeautoilgfalse</code> ..... 3201	
<code>\@xepersian@@computeautoilgtrue</code> ..... 3200	
<code>\@xepersian@@fontsize@scale</code> . .. 3653, 3658, 3675, 3685	
<code>\@xepersian@bannerfalse</code> .. 3077	
<code>\@xepersian@bannertrue</code> ... 3074	
<code>\@xepersian@info</code> 3229, 3253, 3254	
<code>\@xepersian@pdfcustomproperties</code> ..... 4059	
<code>\@xfloat</code> ..... 1757, 2064, 2065	
<code>\@xxDeclareMathDelimiter</code> . 5461	
<code>\@xxxii</code> ..... 1823	
<code>@\</code> ..... 1736, 1737	
<code>@\</code> ..... 1732, 1733, 1735	
<code>@\</code> ..... 2314	
<code>\[</code> ..... 2322	
<code>\[</code> 2089, 2322, 3062, 4761, 5076, 5077, 5339, 5342, 5391, 5793, 5832, 5836, 5856, 5857	
<code>\{</code> ..... 2088, 2322	
<code>\}</code> ..... 2088, 2322	
<code>\_</code> 1502, 1504, 3727, 4159, 4165, 4184, 4190, 4260, 4266, 4285, 4295, 4676, 4685	

## A

<code>\abj@num@i</code> ..... 4326, 4343, 4350
<code>\abj@num@ii</code> .... 4328, 4347, 4354
<code>\abj@num@iii</code> .... 4330, 4351, 4357
<code>\abj@num@iv</code> ..... 4332, 4355
<code>\Abjad</code> ..... 1238, 1243, 4102
<code>\abjad</code> ..... 1239, 1244, 4340
<code>\abjad@zero</code> ..... 4342, 4346
<code>\Abjadnumeral</code> ..... 4103
<code>\abjadnumeral</code> ..... 4341
<code>\abovedisplayshortskip</code> .. 3832, 3840, 3849, 3857, 3866, 3874, 4603, 4604, 4614, 4615, 4621, 4622
<code>\abovedisplayskip</code> .. 3830, 3835, 3839, 3847, 3852, 3856, 3864, 3869, 3873, 4601, 4602, 4612, 4613, 4619, 4620
<code>\abstractname</code> ..... 4082
<code>\active</code> ..... 2323, 5666
<code>\adadi</code> 1220, 1236, 1241, 2807, 2863, 2915, 4109
<code>\adadinumeral</code> ..... 4115
<code>\AddEnumerateCounter</code> 1235, 1236, 1237, 1238, 1239
<code>\addfontfeature</code> ..... 3210
<code>\addfontfeatures</code> .. 165, 177, 190
<code>\addtocontents</code> . 5799, 5802, 5804, 5807, 5829, 5833, 5856, 5857



<code>\addtolength</code>	3822, 4828, 4829, 4832, 5251, 5252, 5253, 5254, 5318	<code>\and</code>	4818
<code>\addtoversion</code>	5454	<code>\answernumberfont</code>	5814
<code>\adl@argarraydashrule</code>	1952, 1996	<code>\answerstitle</code>	5810, 5880
<code>\adl@arraydashrule</code>	1951, 1995	<code>\answerstitlefont</code>	5812
<code>\adl@arrayrule</code>	1950, 1994	<code>\appendix</code>	10, 17, 40, 46, 52, 58, 128, 139, 146, 158, 1301, 1311, 1323, 1532, 1533, 1563, 1711, 2745, 2752, 2759, 2767, 2775, 2780, 2791, 2800, 2802, 2830, 2835, 2846, 2856, 2858, 2882, 2887, 2898, 2908, 2910
<code>\adl@box</code>	1976, 1978, 1979	<code>\appendixautorefname</code>	1520
<code>\adl@class@iiiorvii</code>	1982, 2019	<code>\appendixname</code>	11, 19, 30, 131, 142, 149, 161, 1314, 1326, 1564, 1714, 2748, 2755, 2762, 2770, 2852, 2904, 4079
<code>\adl@class@start</code>	1981, 2018	<code>\ApplyPatchCodeToFile</code>	1756, 1899, 1932, 2022, 2063
<code>\adl@endmbox</code>	1977	<code>\ApplyPatchCodeToPackage</code>	2315, 2319, 2411, 2418
<code>\adl@putlrc</code>	1973, 1974, 1975, 2007, 2008, 2009, 2015, 2016, 2017	<code>\ApplyPatchToClasses</code>	4381
<code>\adl@startmbox</code>	1976	<code>\ApplyPatchToFiles</code>	4376
<code>\advance</code>	1505, 1789, 1795, 1818, 1824, 2257, 3769, 3771, 4456, 4592, 4596, 4864, 4867, 5411, 5437, 5951, 5986, 5990, 5996, 6000, 6005, 6008, 6009, 6013, 6017, 6018, 6020, 6021, 6023, 6043, 6047, 6048, 6051, 6056, 6057, 6061, 6062, 6064, 6065, 6067, 6070, 6072	<code>\ApplyPatchToPackages</code>	4408
<code>\aftergroup</code>	3929, 3945, 3960, 3975, 3990, 4003, 4012, 4021	<code>\arabic</code>	1226
<code>\ALG@name</code>	5, 7	<code>\arrayrulewidth</code>	5333
<code>\algorithmicensure</code>	3	<code>\articlesep</code>	5315
<code>\algorithmicrequire</code>	2	<code>\AtBeginDocument</code>	71, 1531, 2095, 2302, 2407, 4073, 4590, 4594, 5712
<code>\ALGS@name</code>	6, 7	<code>\AtEndOfClass</code>	4588
<code>\aliasfontfeature</code>	1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698	<code>\AtEndOfPackage</code>	3083, 3087, 3091, 3096, 3097, 3098, 3103, 3104, 3105, 3110, 3111, 3112, 3117, 3124, 3130, 3171, 3183, 3207, 4512
<code>\aliasfontfeatureoption</code>	1699, 1700, 1701, 1702, 1703, 1704	<code>\author</code>	4816
<code>\alloc@</code>	5396	<code>\authorandplace</code>	5289
<code>\Alph</code>	1222, 1535, 1536, 2809, 2865, 2917	<code>\AutoDisplayMathDigits</code>	3110, 5736, 5742
<code>\alph</code>	1223, 2810, 2866, 2918, 2959, 5826, 5852	<code>\AutoInlineMathDigits</code>	3103, 5732, 5741
<code>\alpha@elt</code>	5455	<code>\AutoMathDigits</code>	3096, 5740, 5744
<code>\alpha@list</code>	5455	<b>B</b>	
<code>\anappendixtrue</code>	1716	<code>\backrefpagesname</code>	63
		<code>\baselineskip</code>	3772, 3775, 4496, 4498, 4500, 4503, 4504, 4506
		<code>\begin</code>	2316, 2317, 2779, 2785, 2790, 2834, 2840, 2845, 2886, 2892,



2897, 3710, 3711, 4067, 4644,  
 4647, 4700, 4715, 4728, 4734,  
 4755, 4786, 4792, 4799, 4823,  
 4877, 4883, 4955, 4958, 4963,  
 4970, 4985, 5000, 5017, 5051,  
 5069, 5074, 5094, 5101, 5102,  
 5123, 5125, 5126, 5148, 5153,  
 5154, 5190, 5191, 5199, 5225,  
 5233, 5239, 5240, 5248, 5278,  
 5302, 5334, 5335, 5350, 5362,  
 5376, 5830, 5834, 5845, 5846,  
 5852, 5907  
 \beginngroup 173, 2087, 2304, 2320,  
 2400, 2402, 2464, 3271, 3273,  
 3928, 3944, 3959, 3974, 3989,  
 4002, 4011, 4020, 5403, 5427,  
 5667, 5684  
 \beginL . . . . . 3720, 4676, 5077  
 \beginR 4680, 4681, 4682, 4693, 4694,  
 4695, 4900, 4901, 4902, 4920,  
 4941, 4942, 4943, 4944, 4945,  
 4946, 5097, 5192  
 \belowdisplayshortskip . . 3833,  
 3842, 3850, 3859, 3867, 3876,  
 4604, 4615, 4622  
 \belowdisplayskip . . 3835, 3841,  
 3852, 3858, 3869, 3875, 4602,  
 4613, 4620  
 \bfseries . 2142, 2231, 3730, 4051,  
 4636, 4642, 4661, 4669, 4697,  
 4713, 4732, 4746, 4750, 4775,  
 4780, 4784, 4909, 4915, 5789,  
 5811, 5813, 5897  
 \bgroup 1228, 1832, 1872, 2073, 2083,  
 5399, 5423, 5668  
 \bibname . . . . . 4086  
 \bidi@footnotetext@font . 1489  
 \bidi@LTRfootnotetext@font .  
 . . . . . 1491  
 \bidi@RTLfootnotetext@font .  
 . . . . . 1493  
 \bidi@thebibliography@font@hook  
 . . . . . 4366  
 \bidi@AfterEndPreamble . . . 4370  
 \bidi@cappto . . . . 2942, 2946, 3091  
 \bidi@AtEndPreamble . . . . 3208  
 \bidi@beamer@today . . . . . 85  
 \bidi@csdefcs . . . . . 816, 1628  
 \bidi@csletcs 511, 1628, 1636, 1637  
 \bidi@digits@charclass . . 3371,  
 3372, 3373, 3374, 3375, 3376,  
 3378, 3379, 3380, 3381, 3382,  
 3383, 3384, 3385  
 \bidi@font@outputpage . . . 3736  
 \bidi@newrobustcmd . 3688, 3689,  
 4071  
 \bidi@patchcmd . 3209, 4459, 4463,  
 4475, 4481, 4487, 4495  
 \bidi@preto . . . . . 2462, 3087  
 \bidi@reflect@box . . . . . 4072  
 \bidi@sepmark@charclass . 3375,  
 3376  
 \blacktriangleleft . . 1500, 1502  
 \blacktriangleright . 1500, 1502  
 \bm@b . . . . . 1840  
 \bm@c . . . . . 1837  
 \bm@l . . . . . 1838  
 \bm@r . . . . . 1839  
 \bm@s . . . . . 1842  
 \bm@t . . . . . 1841  
 \bm@ . . . . . 1841  
 \bm@ . . . . . 1839  
 \bm@ . . . . . 1840  
 \bm@ . . . . . 1837  
 \bm@ . . . . . 1838  
 \bm@ . . . . . 1842  
 \bool . . . . . 5449  
 \boolean . . 4577, 4589, 4598, 4702,  
 4717, 4736, 4757, 4953, 4954,  
 4984, 5016, 5050, 5068, 5092,  
 5122, 5146, 5173  
 \box . . . . . 179  
 \BR@Latincitex . . . . . 64, 74  
 \BRorg@Latincitex . . . . . 65, 73  
  
**C**  
 \C . . . . . 2324  
 \c . . . . 3062, 5481, 5485, 5495, 5757  
 \c@book . . . . . 1709  
 \c@chapter . . . . . 18, 20, 31,  
 132, 143, 150, 162, 1315, 1327,  
 1715, 2749, 2756, 2763, 2771,  
 2853, 2905  
 \c@mpfootnote . . . . . 1877, 4365  
 \c@part . . . . . 9, 16, 39,  
 45, 51, 57, 123, 134, 145, 157,  
 1300, 1310, 1322, 1562, 1710,  
 2744, 2751, 2758, 2766, 2774,  
 2829, 2881



<code>\c@section</code>	10, 12, 18, 34, 43, 49, 55, 61, 1304, 1563, 1565, 2797	<code>\contentsname</code>	4067, 4076
<code>\c@subsection</code>	10, 1563	<code>\copyright</code>	4685
<code>\catcode</code>	1626, 2087, 2088, 2089, 2323, 5666	<code>\correction</code>	5884, 5891
<code>\ccname</code>	4088	<code>\correctionstyle</code>	5877
<code>\cdp@elt</code>	5452	<code>\count</code>	1825, 4863, 4864, 4866, 4867, 4876, 4882
<code>\cdp@list</code>	5452	<code>\count@</code>	1969
<code>\centering</code>	4839, 5127, 5794	<code>\cs</code>	2410, 2412, 3128, 3334, 3351, 3358, 3392, 3407, 3423, 3438, 3440, 3445, 3462, 3464, 3469, 3512, 3529, 3536, 3553, 3560, 3577, 3584, 3601, 3608, 3625, 3632, 3649, 5476, 5477, 5478, 5479, 5480, 5536, 5537, 5561, 5569, 5577, 5585, 5611, 5631, 5637, 5646, 5652, 5661, 5754
<code>\cftchapname</code>	2972	<code>\csname</code>	1630, 1632, 1633, 1822, 1862, 2067, 2070, 2077, 2080, 2097, 2404, 2420, 2421, 2422, 2423, 2424, 2802, 2858, 2910, 3272, 3275, 3281, 3283, 3734, 3930, 3946, 3961, 3976, 3991, 4004, 4013, 4022, 4102, 4107, 4110, 4216, 4340, 4476, 4478, 4482, 4484, 4488, 4490, 5402, 5405, 5410, 5411, 5426, 5429, 5433, 5434, 5437, 5472, 5474, 6048, 6057, 6067
<code>\cftfigname</code>	2978	<code>\CurrentOption</code>	3057
<code>\cftparaname</code>	2976	<code>\currenttime</code>	4659
<code>\cftsecname</code>	2973	<code>\customlogo</code>	4900
<code>\cftsubfigname</code>	2979	<code>\custommagazinenam</code>	4902
<code>\cftsubparaname</code>	2977	<code>\customminilogo</code>	4901
<code>\cftsubsecname</code>	2974	<code>\customwwwTxt</code>	4630
<code>\cftsubsubsecname</code>	2975		
<code>\cftsubtabname</code>	2981		
<code>\cfttabname</code>	2980		
<code>\chapterautorefname</code>	1521		
<code>\chaptername</code>	19, 1329, 4087		
<code>\char</code>	5539, 5547		
<code>\chardef</code>	1568, 1569, 1571, 1572, 1573, 1574, 1575, 3741, 5396		
<code>\charlist</code>	1590, 1591, 1593, 1597		
<code>\citation</code>	3729		
<code>\citenumfont</code>	2281		
<code>\citeyear</code>	2103		
<code>\citeyearpar</code>	2103		
<code>\ClassError</code>	4974, 5006, 5040, 5060, 5081, 5106, 5131, 5157, 5180, 5839		
<code>\ClassWarning</code>	2777, 2832, 2884, 4559, 4561, 4563, 4833, 4847		
<code>\cleardoubleoddp</code>	2826		
<code>\cleardoublepage</code>	15, 125, 136, 154, 1307		
<code>\clearpage</code>	2826, 4937		
<code>\clist</code>	5559, 5563, 5564, 5571, 5572, 5579, 5580		
<code>\closeout</code>	3137		
<code>\color@begingroup</code>	1873		
<code>\color@vbox</code>	1830, 2072, 2082		
<code>\columnlines</code>	4533, 4534, 4566, 4895		
<code>\columnsep</code>	4829, 5252		
<code>\columnseprule</code>	4895		
<code>\columntitle</code>	5246		
<code>\columnwidth</code>	1833, 1875, 2073, 2083, 4828, 5251		
<code>\comment</code>	5884		

## D

<code>\dollarbegin</code>	1973, 1974, 1975
<code>\dollarend</code>	1973, 1974, 1975
<code>\date</code>	4658, 4669, 4817, 5286
<code>\datename</code>	4084
<code>\day</code>	5946
<code>\dblfloatsep</code>	4038
<code>\dbltextfloatsep</code>	4039
<code>\decimalseparator@check</code>	5685, 5686
<code>\decimalseparator@point</code>	5489, 5499, 5664, 5675, 5685, 5713, 5761
<code>\decimalseparator@pointcheck</code>	5667, 5684, 5685



<code>\DeclareDocumentCommand</code> .	3329,	2382, 2385, 2398, 2400, 2403,
	3353, 3394, 3402, 3428, 3433,	2419, 2467, 2935, 2983, 2991,
	3452, 3457, 3507, 3531, 3555,	2999, 3007, 3015, 3023, 3031,
	3579, 3603, 3627, 5607, 5633,	3039, 3047, 3048, 3049, 3050,
	5648	3159, 3164, 3175, 3179, 3187,
<code>\DeclareMathAccent</code> . . . . .	5460	3191, 3195, 3268, 3269, 3270,
<code>\DeclareMathAlphabet</code> . . . . .	5459	3276, 3277, 3281, 3652, 3655,
<code>\DeclareMathDelimiter</code> . . . . .	5461	3660, 3674, 3690, 3691, 3700,
<code>\DeclareMathRadical</code> . . . . .	5463	3701, 3713, 3714, 3715, 3724,
<code>\DeclareMathSizes</code> . . . . .	5452	3727, 3828, 3929, 3945, 3960,
<code>\DeclareMathSymbol</code> . . . . .	5460	3975, 3990, 4003, 4012, 4021,
<code>\DeclareMathVersion</code> . . . . .	5454	4074, 4075, 4076, 4077, 4078,
<code>\DeclareOption</code> .	4555, 4556, 4557,	4079, 4080, 4081, 4082, 4083,
	4558, 4560, 4562, 4564, 4565,	4084, 4085, 4086, 4087, 4088,
	4566, 4567, 4568, 5881, 5888	4089, 4090, 4091, 4092, 4094,
<code>\DeclareRobustCommand</code>	2303, 3338,	4102, 4104, 4107, 4116, 4121,
	3363, 3410, 3482, 3485, 3488,	4130, 4156, 4169, 4180, 4194,
	3491, 3494, 3497, 3516, 3540,	4200, 4203, 4206, 4210, 4222,
	3564, 3588, 3612, 3636, 3722	4231, 4257, 4270, 4281, 4299,
<code>\DeclareSymbolFont</code> .	5457, 5617,	4304, 4311, 4321, 4340, 4342,
	5618, 5619, 5641, 5656	4343, 4347, 4351, 4355, 4361,
<code>\DeclareSymbolFontAlphabet</code>	5464	4365, 4433, 4434, 4436, 4442,
<code>\DeclareSymbolFontAlphabet@</code> .		4445, 4446, 4630, 4900, 4901,
	. . . . .	4902, 5396, 5398, 5422, 5621,
	5464	5643, 5658, 5672, 5674, 5684,
<code>\DeclareTextFontCommand</code> .	3500,	5685, 5686, 5713, 5714, 5715,
	3501, 3502, 3503, 3504, 3505	5716, 5720, 5724, 5728, 5732,
<code>\DeclareUnknownKeyHandler</code>	3056	5736, 5740, 5789, 5791, 5793,
<code>\def</code> . . . . .	2, 3, 5, 6, 7, 10,	5811, 5813, 5817, 5824, 5860,
	12, 15, 17, 20, 63, 64, 77, 121,	5861, 5864, 5865, 5866, 5867,
	165, 177, 190, 197, 201, 1218,	5876, 5879, 5886, 5887, 5893,
	1219, 1220, 1221, 1222, 1223,	5894, 5897, 6081
	1224, 1225, 1226, 1497, 1499,	<code>\def@NAT@last@yr</code> . . . . .
	1501, 1503, 1514, 1515, 1516,	2260, 2262
	1517, 1518, 1519, 1520, 1521,	<code>\DefaultDisplayMathDigits</code>
	1522, 1523, 1524, 1525, 1526,	3111,
	1527, 1528, 1529, 1533, 1545,	5715, 5718
	1550, 1563, 1565, 1577, 1590,	<code>\defaultfontfeatures</code> . . . . .
	1592, 1593, 1598, 1623, 1624,	3171
	1719, 1720, 1721, 1722, 1723,	<code>\DefaultInlineMathDigits</code>
	1724, 1725, 1726, 1727, 1757,	2462,
	1759, 1760, 1762, 1843, 1865,	3104, 5714, 5717
	1871, 1877, 1884, 1900, 1934,	<code>\DefaultMathDigits</code> . . . . .
	1968, 1981, 1982, 1985, 2002,	3097, 5716
	2010, 2018, 2019, 2023, 2065,	<code>\define@key</code> . . . . .
	2066, 2069, 2076, 2079, 2092,	2425
	2093, 2102, 2105, 2117, 2118,	<code>\define@mathalphabet</code> . . . . .
	2128, 2131, 2144, 2159, 2189,	5454
	2221, 2225, 2250, 2312, 2326,	<code>\define@mathgroup</code> . . . . .
	2330, 2332, 2333, 2336, 2342,	5454
	2344, 2346, 2362, 2365, 2381,	<code>\deflatinfont</code> . . . . .
		3452
		<code>\defpersianfont</code> . . . . .
		3428
		<code>\depth</code> . . . . .
		2433, 2434
		<code>\DigitsDotDashInterCharToks</code> .
		. . . . .
		3376
		<code>\dimexpr</code> . . . . .
		3656, 3658, 3661, 3663,
		3775, 3825, 3979, 3994, 4007,
		4016, 4025, 4460, 4464, 4469,





	4470, 4471	1885, 1886, 1887, 1888, 1889,
<code>\ding</code>	5860, 5861	1890, 1891, 1892, 1893, 1894,
<code>\display@setup</code>	166, 191	1895, 1901, 1902, 1903, 1905,
<code>\divide</code>	4869, 4870, 5948, 5956, 5961,	1906, 1909, 1910, 1911, 1912,
	5988, 5994, 6002, 6004, 6007,	1913, 1914, 1916, 1917, 1918,
	6011, 6015, 6019	1919, 1920, 1923, 1924, 1925,
<code>\do</code>	1784, 2137, 2226, 2426, 3726,	1926, 1927, 1928, 1935, 1936,
	4448, 5467, 5677	1937, 1939, 1940, 1943, 1944,
<code>\document@select@group</code>	5422	1945, 1946, 1947, 1948, 1950,
<code>\dorestore@version</code>	5456	1951, 1952, 1953, 1954, 1955,
<code>\dosetclass</code>	1591, 1592, 1596	1956, 1959, 1960, 1961, 1962,
<code>\dot</code>	5673, 5697	1963, 1964, 1984, 1985, 1986,
<code>\doublebox</code>	5208, 5261	1987, 1988, 1989, 1990, 1991,
<code>\dquad</code>	199, 201	1992, 1994, 1995, 1996, 1997,
<code>\dseries@display@setup</code>	191	1998, 1999, 2024, 2025, 2026,
		2028, 2029, 2032, 2033, 2034,
		2035, 2036, 2037, 2038, 2039,
		2040, 2041, 2042, 2043, 2044,
		2045, 2047, 2048, 2049, 2050,
		2051, 2054, 2055, 2056, 2057,
		2058, 2059, 2071, 2081, 2106,
		2119, 2151, 2156, 2165, 2168,
		2182, 2186, 2195, 2199, 2202,
		2214, 2218, 2219, 2240, 2261,
		2275, 2277, 2280, 2294, 2296,
		2307, 2330, 2341, 2354, 2356,
		2359, 2374, 2376, 2382, 2390,
		2398, 2424, 2427, 2428, 2429,
		2430, 2431, 2432, 2433, 2434,
		2435, 2805, 2826, 2861, 2913,
		2938, 2955, 2972, 2973, 2974,
		2975, 2976, 2977, 2978, 2979,
		2980, 2981, 2987, 2995, 3003,
		3011, 3019, 3027, 3035, 3042,
		3051, 3142, 3292, 3389, 3390,
		3736, 3750, 3761, 3788, 3789,
		3790, 3792, 3795, 3796, 3798,
		3802, 3803, 3804, 3806, 3809,
		3810, 3812, 4074, 4075, 4076,
		4077, 4078, 4079, 4080, 4081,
		4082, 4083, 4084, 4085, 4086,
		4087, 4088, 4089, 4090, 4091,
		4092, 4101, 4106, 4124, 4126,
		4134, 4135, 4136, 4137, 4138,
		4139, 4140, 4141, 4159, 4174,
		4188, 4201, 4204, 4225, 4227,
		4235, 4236, 4237, 4238, 4239,
		4240, 4241, 4242, 4260, 4275,
		4288, 4289, 4292, 4323, 4325,
		4327, 4329, 4331, 4439, 4455,
<b>E</b>		
<code>\e@alloc@intercharclass@top</code>		
	3371, 3372	
<code>\edef</code>	1852, 1907, 1941, 2005, 2013,	
	2030, 2139, 2228, 2388, 3229,	
	3251, 3275, 3278, 3728, 3823,	
	3826, 3836, 3853, 3870, 3881,	
	3887, 3893, 3899, 3905, 3911,	
	3917, 3932, 3948, 3963, 3978,	
	3993, 4006, 4015, 4024, 4445,	
	4451, 5826	
<code>\edition</code>	4927	
<code>\editionFormat</code>	4636, 4639	
<code>\editorialAuthorFormat</code>	4779,	
	5343	
<code>\editorialTitleFormat</code>	4777, 4778	
<code>\egroup</code>	5671	
<code>\else</code>	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, 1719, 1720, 1721,	
	1722, 1723, 1724, 1725, 1726,	
	1727, 1765, 1773, 1778, 1788,	
	1794, 1847, 1850, 1855, 1856,	
	1857, 1858, 1859, 1869, 1884,	



4505, 4846, 5324, 5399, 5412,	
5418, 5423, 5438, 5444, 5554,	
5687, 5688, 5689, 5690, 5691,	
5692, 5693, 5694, 5695, 5696,	
5697, 5698, 5713, 5721, 5722,	
5723, 5725, 5726, 5727, 5733,	
5734, 5735, 5737, 5738, 5739,	
5954, 5958, 5963, 5964, 5971,	
5992, 5997, 6027, 6063, 6071	
<code>\empty</code> . . . . .	1594
<code>\enclname</code> . . . . .	4089
<code>\encodingdefault</code> 3346, 3418, 3524,	
3548, 3572, 3596, 3620, 3644	
<code>\end</code> . . . . .	1591, 1592, 1597, 1598, 2316,
2317, 2388, 2399, 2779, 2783,	
2787, 2789, 2834, 2838, 2842,	
2844, 2886, 2890, 2894, 2896,	
3710, 3711, 4070, 4644, 4649,	
4706, 4720, 4730, 4739, 4762,	
4801, 4804, 4807, 4824, 4879,	
4885, 4962, 4968, 4972, 4998,	
5004, 5038, 5058, 5073, 5079,	
5115, 5116, 5117, 5140, 5141,	
5142, 5166, 5167, 5168, 5193,	
5194, 5197, 5227, 5231, 5242,	
5243, 5280, 5284, 5313, 5344,	
5345, 5359, 5371, 5384, 5799,	
5802, 5804, 5807, 5853, 5854,	
5858, 5912	
<code>\end@correction</code> . . . . .	5892
<code>\endcomment</code> . . . . .	5885
<code>\endcorrection</code> . . . . .	5885, 5892
<code>\endcsname</code> 1630, 1632, 1633, 1822,	
1862, 2067, 2070, 2077, 2080,	
2097, 2404, 2420, 2421, 2422,	
2423, 2424, 2802, 2858, 2910,	
3272, 3275, 3281, 3283, 3734,	
3930, 3946, 3961, 3976, 3991,	
4004, 4013, 4022, 4102, 4107,	
4110, 4216, 4340, 4476, 4478,	
4482, 4484, 4488, 4490, 5402,	
5405, 5410, 5411, 5426, 5429,	
5433, 5435, 5437, 5472, 5474,	
6048, 6057, 6068	
<code>\endgroup</code> . . . . .	2325, 2403, 2468, 3271,
3279, 3931, 3947, 3962, 3977,	
3992, 4005, 4014, 4023, 5407,	
5431, 5687, 5688, 5689, 5690,	
5691, 5692, 5693, 5694, 5695,	
5696, 5697, 5698, 5699	
<code>\endinput</code> . . . . .	2971
<code>\endL</code> . . . . .	4676, 5077
<code>\endlatin</code> . . . . .	3691, 3699
<code>\endlTR</code> . . . . .	3691
<code>\endMakeFramed</code> . . . . .	1508
<code>\endmath</code> . . . . .	196
<code>\endpersian</code> . . . . .	3701, 3709
<code>\endquestion</code> . . . . .	5905
<code>\endR</code> . . . . .	4680, 4681, 4682, 4693, 4694,
4695, 4900, 4901, 4902, 4920,	
4941, 4942, 4943, 4944, 4945,	
4946, 5097, 5192	
<code>\endRTL</code> . . . . .	3701
<code>\ends@math</code> . . . . .	196
<code>\endtrivlist</code> . . . . .	2093, 2403
<code>\end</code> . . . . .	2093, 2097, 2403, 2404
<code>\ensuremath</code> . . . . .	3267
<code>\eq@addpunct</code> . . . . .	201
<code>\eq@group</code> . . . . .	169, 178
<code>\eq@GRP@first@dmath</code> . . . . .	178
<code>\eq@prelim</code> . . . . .	169, 186
<code>\eq@setnumber</code> . . . . .	172
<code>\eq@setup@a</code> . . . . .	174
<code>\eq@startup</code> . . . . .	175
<code>\eq@wdCond</code> . . . . .	193
<code>\eqcommand</code> . . . . .	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, 1628

$\backslash$ EqEnvironment . . . . . 1252, 1631  
 $\backslash$ 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, 1629  
 $\backslash$ eqstyle . . . . . 171  
 $\backslash$ equal 4875, 5030, 5202, 5207, 5212,  
 5217, 5222, 5255, 5260, 5265,  
 5270, 5275  
 $\backslash$ equationautorefname . . . . . 1514  
 $\backslash$ escapechar . . . . . 3274, 5404, 5428  
 $\backslash$ everydisplay . . . . . 166, 5748, 5749  
 $\backslash$ everyjob . . . . . 3251, 3254  
 $\backslash$ everymath . . . . . 5745  
 $\backslash$ everypar . . . . . 3693, 3703, 3720  
 $\backslash$ ExecuteOptions . . . . . 5895  
 $\backslash$ exp . . . . . 3338, 3340, 3341, 3342, 3363,  
 3365, 3366, 3367, 3410, 3412,  
 3413, 3414, 3443, 3445, 3446,  
 3447, 3467, 3469, 3470, 3471,  
 3516, 3518, 3519, 3520, 3540,  
 3542, 3543, 3544, 3564, 3566,  
 3567, 3568, 3588, 3590, 3591,  
 3592, 3612, 3614, 3615, 3616,  
 3636, 3638, 3639, 3640  
 $\backslash$ expandafter 166, 1591, 1597, 1632,  
 1633, 1782, 1783, 1907, 1941,  
 2030, 2067, 2070, 2077, 2080,  
 2097, 2139, 2228, 2344, 2349,  
 2350, 2355, 2360, 2361, 2367,  
 2368, 2369, 2370, 2377, 2378,  
 2379, 2380, 2382, 2391, 2392,  
 2393, 2394, 2404, 2420, 2421,  
 2422, 2423, 3271, 3272, 3275,  
 3278, 3279, 3281, 3282, 3728,  
 3829, 4102, 4107, 4110, 4125,  
 4131, 4216, 4226, 4232, 4326,  
 4328, 4330, 4332, 4340, 4438,  
 4440, 5399, 5418, 5423, 5432,  
 5433, 5434, 5444, 5676, 5678,  
 5745, 5748, 5827  
 $\backslash$ expandedtitle . . . . . 5196  
 $\backslash$ ExplSyntaxOff . . . . . 2096, 2417, 3227,



3651, 5469, 5663, 5779  
\ExplSyntaxOn . . . 2094, 2406, 3059,  
3297, 5448, 5475, 5753  
\extract@alph@from@version 5432

**F**

\f@baselineskip 3669, 3683, 3922,  
4029, 4496, 4498  
\f@family . . . . . 3389, 3390  
\f@size . . . . . 3669, 3683  
\f@ur . 1583, 3741, 3757, 3758, 3759,  
3762, 3763, 3764  
>false . . . . . 5872  
\falsesymbol . . . . . 5863  
\familydefault . 3345, 3417, 3523,  
3547, 3571, 3595, 3619, 3643  
\fancyfoot . 4940, 4944, 4945, 4946  
\fancyhead . 4939, 4941, 4942, 4943  
\FancyVerbLineautorefname 1527  
\fbbox . . 4824, 4839, 5054, 5849, 5909  
\fbboxrule . 1497, 1499, 1501, 1503,  
4896  
\fbboxsep . . 1497, 1499, 1501, 1503,  
4827, 5020, 5052, 5124, 5152,  
5200, 5249  
\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, 1719, 1720,  
1721, 1722, 1723, 1724, 1725,  
1726, 1727, 1768, 1769, 1775,  
1790, 1791, 1796, 1797, 1800,  
1803, 1806, 1809, 1812, 1815,  
1819, 1820, 1828, 1846, 1847,  
1853, 1860, 1863, 1868, 1869,  
1888, 1889, 1890, 1891, 1895,  
1896, 1897, 1911, 1912, 1913,  
1914, 1929, 1930, 1945, 1946,  
1947, 1948, 1965, 1966, 1980,  
1989, 1990, 1991, 1992, 1999,  
2000, 2004, 2009, 2012, 2017,  
2020, 2034, 2035, 2036, 2037,  
2060, 2061, 2071, 2081, 2093,  
2111, 2129, 2150, 2152, 2163,  
2167, 2176, 2177, 2181, 2193,  
2198, 2202, 2206, 2207, 2211,  
2216, 2217, 2218, 2219, 2239,  
2241, 2263, 2271, 2279, 2280,  
2289, 2290, 2296, 2299, 2309,  
2330, 2345, 2363, 2383, 2396,  
2399, 2424, 2436, 2467, 2806,  
2807, 2808, 2809, 2810, 2811,  
2812, 2813, 2814, 2815, 2816,  
2817, 2818, 2819, 2820, 2821,  
2826, 2862, 2863, 2864, 2865,  
2866, 2867, 2868, 2869, 2870,  
2871, 2872, 2873, 2874, 2875,  
2876, 2877, 2914, 2915, 2916,  
2917, 2918, 2919, 2920, 2921,  
2922, 2923, 2924, 2925, 2926,  
2927, 2928, 2929, 2940, 2957,  
2972, 2973, 2974, 2975, 2976,  
2977, 2978, 2979, 2980, 2981,  
2989, 2997, 3005, 3013, 3021,  
3029, 3037, 3044, 3051, 3145,  
3255, 3285, 3286, 3294, 3389,  
3390, 3697, 3707, 3729, 3736,  
3749, 3754, 3755, 3756, 3760,  
3765, 3766, 3767, 3768, 3777,  
3788, 3789, 3790, 3794, 3796,  
3800, 3801, 3803, 3804, 3808,  
3810, 3814, 3815, 3816, 3936,  
3952, 3967, 3983, 3999, 4008,  
4017, 4026, 4074, 4075, 4076,  
4077, 4078, 4079, 4080, 4081,  
4082, 4083, 4084, 4085, 4086,  
4087, 4088, 4089, 4090, 4091,  
4092, 4101, 4106, 4128, 4142,  
4154, 4159, 4160, 4163, 4165,  
4166, 4178, 4182, 4184, 4185,  
4187, 4190, 4192, 4198, 4201,  
4204, 4208, 4213, 4229, 4243,  
4255, 4260, 4261, 4264, 4266,  
4267, 4279, 4283, 4285, 4286,  
4288, 4294, 4295, 4297, 4302,  
4309, 4315, 4333, 4334, 4335,  
4336, 4337, 4338, 4345, 4346,  
4349, 4350, 4353, 4354, 4356,  
4357, 4369, 4441, 4455, 4507,  
4508, 4510, 4849, 4850, 5055,  
5072, 5236, 5310, 5329, 5356,



5381, 5399, 5417, 5418, 5423,  
 5443, 5444, 5556, 5680, 5700,  
 5701, 5702, 5703, 5704, 5705,  
 5706, 5707, 5708, 5709, 5710,  
 5711, 5713, 5721, 5722, 5723,  
 5725, 5726, 5727, 5733, 5734,  
 5735, 5737, 5738, 5739, 5963,  
 5965, 5966, 5967, 5973, 5997,  
 5998, 6018, 6029, 6050, 6059,  
 6066, 6073, 6088, 6093  
 \figureautorefname . . . . . 1517  
 \figurename . . . . . 1344, 4074  
 \finishsetclass . . . . . 1594, 1598  
 \firstarticle . . . . . 4951, 4975, 4976,  
 4978  
 \FirstFrameCommand . . . . . 1499  
 \firstimage 5048, 5061, 5062, 5064  
 \firstTextFormat . . . . . 4709, 4711  
 \firstTitleFormat . . . . . 4697, 4703,  
 4704  
 \float@box . . . . . 2068, 2078  
 \float@endH . . . . . 2067, 2077  
 \floatsep . . . . . 4033, 4037, 4038  
 \flushright . . . . . 4697, 4716, 4735  
 \font . . . . . 3745  
 \font@name 4476, 4478, 4482, 4484,  
 4488, 4490  
 \fontencoding . . . . . 3340, 3366, 3412,  
 3446, 3470, 3518, 3542, 3566,  
 3590, 3614, 3638  
 \fontfamily 3341, 3365, 3413, 3445,  
 3469, 3484, 3487, 3490, 3493,  
 3496, 3499, 3519, 3543, 3567,  
 3591, 3615, 3639  
 \fontsize . . . . . 3669, 3683  
 \fontspec . . . . . 2095, 2413, 3336, 3360,  
 3409, 3440, 3464, 3514, 3538,  
 3562, 3586, 3610, 3634, 5614,  
 5639, 5654  
 \foot . . . . . 4692  
 \footins . . . . . 4031  
 \footnote . . . . . 4789  
 \footnoteautorefname . . . . . 1515  
 \footnoterule . . . . . 4788  
 \footnotesep . . . . . 4030, 4504, 4506  
 \footnotesize . . . . . 113, 115, 117, 1318,  
 1319, 1320, 1489, 1491, 1493,  
 3870, 3871, 4617, 4618, 4652,  
 4685, 4750, 4774, 4775, 4787  
 \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  
 \Frefseenname . . . . . 1367, 1454, 1456  
 \frefseenname . . . . . 1452  
 \Freftablename . . . . . 1374, 1461, 1463  
 \freftablename . . . . . 1459  
 \Freftabshortname . . . . . 1389, 1482,  
 1484  
 \freftabshortname . . . . . 1480  
 \frenchspacing . . . . . 2092, 2400  
 \frontmatter . . . . . 15, 124, 135, 153,  
 1306, 2825  
 \futurelet 2335, 4435, 5667, 5672,  
 5684  
**G**  
 \g 3340, 3346, 3366, 3412, 3418, 3446,  
 3470, 3518, 3524, 3542, 3548,  
 3566, 3572, 3590, 3596, 3614,  
 3620, 3638, 3644, 5449, 5614,  
 5617, 5618, 5619, 5639, 5641,  
 5654, 5656  
 \g@addto@macro . . . . . 2800, 2802, 2856,  
 2858, 2908, 2910, 5824  
 \G@refundefinedtrue . . . . . 3731  
 \gdef . . . . . 43, 49, 55, 61, 131, 132, 142,  
 143, 149, 150, 161, 162, 1304,  
 1314, 1315, 1326, 1327, 1535,  
 1536, 1552, 1554, 1714, 1715,



2466, 2748, 2749, 2755, 2756,	
2762, 2763, 2770, 2771, 2797,	
2852, 2853, 2904, 2905, 4630,	
4900, 4901, 4902, 5667, 5790,	
5792, 5810, 5812, 5814, 5820,	
5821, 5837, 5862, 5863, 5877,	
5896, 5898, 5903, 5914	
<code>\get@cdp</code> . . . . .	5458
<code>\getanddefine@fonts</code> . . . . .	4475, 4481,
4487, 5405, 5429	
<code>\Gin@boolkey</code> . . . . .	2419
<code>\glb@currsz</code> . . . . .	5613
<code>\global</code> 73, 74, 168, 178, 179, 180, 181,	
182, 183, 184, 185, 193, 1825,	
1829, 2149, 2238, 4809, 4810,	
4811, 4812, 4813, 4814, 4815,	
4816, 4817, 4818, 5411, 5437	
<code>\globaldefs</code> . . . . .	5406, 5430
<code>\glsaddprotectedpagefmt</code> . . . . .	1510,
1511, 1512	
<code>\goodbreak</code> . . . . .	5387
<code>\grid</code> . . . . .	4591, 4595, 4857
<code>\Grot@x</code> . . . . .	2427, 2428, 2429, 2430
<code>\Grot@y</code> 2431, 2432, 2433, 2434, 2435,	
2436	
<code>\group</code> . . . . .	2413
<code>\group@elt</code> . . . . .	5457
<code>\group@list</code> . . . . .	5457
<code>\grp@aligned</code> . . . . .	184
<code>\GRP@box</code> . . . . .	179
<code>\grp@eqs@numbered</code> . . . . .	183
<code>\grp@hasNumber</code> . . . . .	188
<code>\GRP@label</code> . . . . .	180
<code>\grp@linewidth</code> . . . . .	182
<code>\GRP@queue</code> . . . . .	179
<code>\grp@setnumber</code> . . . . .	188
<code>\grp@shiftnumber</code> . . . . .	185
<code>\grp@wdL</code> . . . . .	181
<code>\grp@wdNum</code> . . . . .	182
<code>\grp@wdR</code> . . . . .	181
<code>\grp@wdT</code> . . . . .	181
<b>H</b>	
<code>\harfi</code> 1219, 1237, 1242, 1708, 2806,	
2862, 2914, 4107	
<code>\harfinumeral</code> . . . . .	4108
<code>\hbox</code> . . . . .	1976, 2943, 2947, 3730, 4071,
4072	
<code>\headDateTimeFormat</code> . . . . .	4656, 4658
<code>\headerfont</code> . . . . .	5790
<code>\headheight</code> . . . . .	4890
<code>\heading</code> . . . . .	4679
<code>\headrulewidth</code> . . . . .	4891, 4947
<code>\headtoname</code> . . . . .	4091
<code>\height</code> . . . . .	2431, 2432
<code>\hfil</code> . . . . .	1972, 1973, 1974, 1975, 2007,
2008, 2009, 2015, 2016, 2017	
<code>\hline</code> . . . . .	5340, 5831, 5832, 5835, 5836,
5856, 5857	
<code>\hrule</code> . . . . .	1581, 5223, 5229, 5276, 5282,
5327, 5367	
<code>\hrulefill</code> . . . . .	4905, 4910, 4924
<code>\hsize</code> . . . . .	1505, 1833, 1849, 1874, 1875,
2073, 2083	
<code>\hskip</code> . . . . .	1585, 1974, 1975, 2017
<code>\hspace</code> 4658, 4676, 4905, 4911, 4923,	
4925, 5103	
<code>\hss</code> . . . . .	1861, 4051
<code>\Huge</code> . . . . .	3917, 3918, 4628, 4697, 4753
<code>\huge</code> . . . . .	3911, 3912, 4627
<code>\Hy@AlphNoErr</code> . . . . .	1552, 1554
<code>\Hy@appendixstring</code> . . . . .	1537, 1556
<code>\Hy@backout</code> . . . . .	69, 77
<code>\Hy@chapapp</code> . . . . .	1537, 1556
<code>\HyOrg@appendix</code> . . . . .	1532, 1538
<code>\HyOrg@resets@pp</code> . . . . .	1549, 1557
<code>\hyper@natlinkbreak</code> . . . . .	2171, 2202
<code>\hyper@natlinkstart</code> . . . . .	77
<b>I</b>	
<code>\if</code> 169, 188, 1786, 1792, 1798, 1801,	
1804, 1807, 1810, 1813, 1816,	
1847, 1854, 1855, 1856, 1857,	
1869, 1886, 1887, 1888, 1889,	
1890, 1891, 1892, 1893, 1894,	
1895, 1909, 1910, 1911, 1912,	
1913, 1914, 1916, 1917, 1918,	
1919, 1920, 1923, 1924, 1925,	
1926, 1927, 1928, 1943, 1944,	
1945, 1946, 1947, 1948, 1950,	
1951, 1952, 1953, 1954, 1955,	
1956, 1959, 1960, 1961, 1962,	
1963, 1964, 1987, 1988, 1989,	
1990, 1991, 1992, 1994, 1995,	
1996, 1997, 1998, 1999, 2032,	
2033, 2034, 2035, 2036, 2037,	
2038, 2039, 2040, 2041, 2042,	
2043, 2044, 2045, 2047, 2048,	
2049, 2050, 2051, 2054, 2055,	
2056, 2057, 2058, 2059, 2154,	



2184, 2202, 2212, 2218, 2219,  
 2280, 2296, 2328, 2348, 2354,  
 2356, 2366, 2374, 2376, 2398,  
 2427, 2428, 2429, 2430, 2431,  
 2432, 2433, 2434, 2435, 2436  
 \if@textdigitfont@on ... 3389,  
 3390, 3780  
 \if@bidi@csdef ..... 1630  
 \if@bidi@csprimitive ..... 1628  
 \if@bidi@csundef 3377, 4065, 4320,  
 4371  
 \if@chapter@pp ..... 28  
 \if@filesw ..... 3729  
 \if@hboxRconstruct .. 1846, 1868  
 \if@inlabel ..... 168  
 \if@Kashida@on ..... 1576, 1578  
 \if@LTRbibibitems ..... 4367  
 \if@newlist ..... 2093  
 \if@nonlatin 2936, 3389, 3390, 5733,  
 5734, 5735, 5737, 5738, 5739  
 \if@noskipsec ..... 167  
 \if@pboxsw ..... 1863  
 \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, 1719, 1720,  
 1721, 1722, 1723, 1724, 1725,  
 1726, 1727, 1847, 1869, 2972,  
 2973, 2974, 2975, 2976, 2977,  
 2978, 2979, 2980, 2981, 2984,  
 2992, 3000, 3008, 3016, 3024,  
 3032, 3040, 3051, 4074, 4075,  
 4076, 4077, 4078, 4079, 4080,  
 4081, 4082, 4083, 4084, 4085,  
 4086, 4087, 4088, 4089, 4090,  
 4091, 4092  
 \if@RTL@footnote .... 1318, 1489  
 \if@RTLmain ..... 3736  
 \if@RTLtab 1888, 1889, 1890, 1891,  
 1911, 1912, 1913, 1914, 1945,  
 1946, 1947, 1948, 1989, 1990,  
 1991, 1992, 2034, 2035, 2036,  
 2037  
 \if@tempswa 2271, 3936, 3952, 3967,  
 3983, 3999, 4008, 4017, 4026  
 \if@twoside ..... 2826  
 \if@xepersian@computeautoilg  
 ..... 3055, 4494  
 \if@xepersian@banner . 3054, 3252  
 \ifadl@usingarypkg ..... 1933  
 \ifBR@verbose ..... 66  
 \ifcase 1971, 2002, 2006, 2010, 2014,  
 2153, 2183, 2276, 4095, 4104,  
 4132, 4195, 4201, 4204, 4207,  
 4211, 4233, 4300, 4305, 4312,  
 4344, 4348, 4352, 4356, 4450,  
 6081, 6091  
 \IfClassLoadedT ..... 2971  
 \ifdim . 198, 3746, 3747, 3751, 3752,  
 3757, 3758, 3762, 3763, 3772,  
 3788, 3789, 3790, 3796, 3803,  
 3804, 3810, 4500, 4504, 4837,  
 5322  
 \iffontchar ..... 3745, 5549  
 \ifhmode ..... 1770  
 \ifHy@implicit ..... 1530  
 \ifinner ..... 1776  
 \IfLTXAtLeastTF . 2799, 2855, 2907  
 \ifmmode ..... 1858, 5401, 5425  
 \ifNAT@full ..... 2151, 2240  
 \ifNAT@longnames .... 2147, 2236  
 \ifNAT@numbers ..... 2100, 2307  
 \ifNAT@super ..... 2101  
 \ifNAT@swa . 2153, 2218, 2242, 2294  
 \ifnum ... 86, 199, 1817, 1884, 1885,  
 1901, 1902, 1903, 1904, 1906,  
 1935, 1936, 1937, 1938, 1940,  
 1985, 1986, 2024, 2025, 2026,  
 2027, 2029, 2467, 2953, 3290,  
 3770, 4122, 4124, 4133, 4134,  
 4135, 4136, 4137, 4138, 4139,  
 4140, 4157, 4159, 4161, 4163,  
 4165, 4170, 4181, 4182, 4184,  
 4186, 4187, 4190, 4223, 4225,  
 4234, 4235, 4236, 4237, 4238,  
 4239, 4240, 4241, 4258, 4260,  
 4262, 4264, 4266, 4271, 4282,  
 4283, 4285, 4287, 4288, 4290,  
 4295, 4322, 4324, 4326, 4328,  
 4330, 4332, 4346, 4350, 4354,  
 4357, 5234, 5308, 5354, 5379,  
 5402, 5426, 5959, 5963, 5991,  
 5997, 6018, 6045, 6049, 6054,





6058, 6060, 6069

\ifodd . . . . . 1787, 1793, 5952, 5957

\ifRtoL . . . . . 91

\Ifstr . . . . . 2776, 2831, 2883

\ifthenelse 4577, 4589, 4598, 4702,  
4717, 4736, 4757, 4875, 4953,  
4954, 4984, 5016, 5030, 5050,  
5068, 5092, 5122, 5146, 5173,  
5202, 5207, 5212, 5217, 5222,  
5255, 5260, 5265, 5270, 5275,  
5838

\ifvoid . . . . . 3695, 3705

\ifwritexviii . . . . . 3131, 3289

\ifx . . . 1219, 1220, 1221, 1222, 1223,  
1224, 1225, 1226, 1227, 1228,  
1229, 1594, 1763, 1766, 1850,  
2070, 2080, 2157, 2158, 2160,  
2187, 2188, 2190, 2259, 2277,  
2337, 2386, 2424, 2804, 2806,  
2807, 2808, 2809, 2810, 2811,  
2812, 2813, 2814, 2815, 2816,  
2817, 2818, 2819, 2820, 2860,  
2862, 2863, 2864, 2865, 2866,  
2867, 2868, 2869, 2870, 2871,  
2872, 2873, 2874, 2875, 2876,  
2912, 2914, 2915, 2916, 2917,  
2918, 2919, 2920, 2921, 2922,  
2923, 2924, 2925, 2926, 2927,  
2928, 3272, 3280, 3389, 3390,  
4437, 5399, 5423, 5678, 5687,  
5688, 5689, 5690, 5691, 5692,  
5693, 5694, 5695, 5696, 5697,  
5698, 5713, 5721, 5722, 5723,  
5725, 5726, 5727, 5733, 5734,  
5735, 5737, 5738, 5739

\ifXePersian@kabiseh . 5920, 6025

\ifXePersian@leap . . . 5920, 5969

\ifxetex . . . . . 4830, 5053, 5070

\ignorespaces . . . 202, 2075, 2085,  
3332, 3356, 3398, 3405, 3510,  
3534, 3558, 3582, 3606, 3630,  
4648, 4701, 4711, 4716, 4724,  
4729, 4735, 4743, 5003, 5029,  
5178

\image . . . . . 4825

\immediate . . . . . 3137, 3138, 3729

\includegraphics 4840, 5054, 5071

\indexEntryFormat . . . 4646, 4648

\indexEntryPageFormat 4652, 4654

\indexEntryPageTxt . . 4651, 4654

\indexEntrySeparator . 4650, 5178

\indexFormat . . . . . 4642, 4644

\indexitem . 5171, 5181, 5182, 5184

\indexname . . . . . 4080

\init@restore@version 5408, 5456

\innerAuthorFormat . . 4774, 5291

\innerPlaceFormat . . . 4775, 5291

\innerSubtitleFormat . 4764, 4765

\innerTextFinalMark . 4776, 5312

\innerTitleFormat . . 4753, 4758,  
4759

\input 1639, 1640, 1641, 1642, 1643,  
1644, 1645, 3117, 3124

\insert@column . 1973, 1974, 1975,  
1976, 1978, 1979

\int . . . . . 5481, 5485, 5495, 5757

\intermath@penalty . . . . . 201

\intextsep . . . . . 4037

\iranicdefault . 3478, 3490, 3635,  
3643

\iranicfamily . . 3488, 3489, 3502,  
3636

\item . . . . . 5864, 5865, 5866, 5867

\itemautorefname . . . . . 1516

\itemsep . . 3935, 3951, 3966, 3982,  
3998

\itshape . . . . . 4365, 5876

**J**

\jobname . . . . . 3139, 3140

**K**

\KashidaOff . . . . . 1619

\KashidaOn . . . . . 1618, 1621

\kern . . . . . 2105, 3696, 3706, 4072

\keys . 3070, 3081, 3085, 3089, 3093,  
3100, 3107, 3114, 3121, 3148,  
3155, 3169, 3173, 3177, 3181,  
3185, 3189, 3193, 3197, 3204,  
3217, 3299, 3306, 3314, 3321

\keyval@eq@alias@key . . . . . 1635

\KOMAClassName . 2777, 2800, 2832,  
2856, 2884, 2908

**L**

\l 3301, 3302, 3303, 3310, 3316, 3317,  
3318, 3325, 3336, 3337, 3341,  
3360, 3365, 3409, 3413, 3514,  
3515, 3519, 3538, 3539, 3543,  
3562, 3563, 3567, 3586, 3587,



3591, 3610, 3611, 3615, 3634,  
 3635, 3639, 5552, 5559, 5563,  
 5564, 5571, 5572, 5579, 5580  
`\label` . . . . . 5307, 5353, 5377  
`\labelsep` . 3979, 3994, 4007, 4016,  
 4025  
`\labelwidth` 3979, 3994, 4007, 4016,  
 4025  
`\LARGE` 3905, 3906, 4626, 4713, 4777,  
 4780, 4793, 4795  
`\Large` 3899, 3900, 4625, 4732, 4782,  
 4909, 5192, 5226  
`\large` 3893, 3894, 4624, 4636, 4642,  
 4722, 4741, 4764, 4784, 4797,  
 4803, 4915  
`\lastbox` . . . . . 3694, 3704  
`\LastFrameCommand` . . . . . 1503  
`\lastpenalty` . . . . . 199  
`\lastskip` . . . . . 198  
`\latin` . . . . . 3690, 3692  
`\LatinAlphs` . . . . 3690, 3710, 4361  
`\Latincite` . . . . . 2303, 3722  
`\latinfont` . 3171, 3410, 3666, 3668  
`\latintoday` . . . . . 3713  
`\lccode` . . . . 2322, 2323, 2324, 2465  
`\leaders` . . . . . 1581  
`\leavevmode` . 167, 168, 1844, 1866,  
 2093, 3724, 4071  
`\leftmargin` 3932, 3948, 3963, 3978,  
 3979, 3993, 3994, 4006, 4007,  
 4015, 4016, 4024, 4025  
`\leftmargini` . . . . 3932, 3948, 3963  
`\leftmarginii` . . . . . 3978  
`\leftmarginiii` . . . . . 3993  
`\leftmarginiv` . . . . . 4006  
`\leftmarginv` . . . . . 4015  
`\leftmarginvi` . . . . . 4024  
`\let` . . . . . 11, 19, 73, 74, 178, 180,  
 183, 184, 185, 191, 196, 1227,  
 1228, 1229, 1230, 1532, 1543,  
 1544, 1549, 1564, 1594, 1596,  
 1630, 1632, 1633, 1837, 1838,  
 1839, 1840, 1841, 1842, 1861,  
 1878, 1879, 1880, 1881, 1950,  
 1951, 1952, 1994, 1995, 1996,  
 2064, 2067, 2068, 2077, 2078,  
 2097, 2101, 2103, 2104, 2107,  
 2108, 2109, 2110, 2112, 2113,  
 2114, 2115, 2120, 2121, 2122,  
 2123, 2124, 2125, 2126, 2136,  
 2145, 2148, 2151, 2152, 2225,  
 2234, 2237, 2240, 2241, 2249,  
 2304, 2329, 2340, 2347, 2353,  
 2357, 2358, 2373, 2375, 2395,  
 2404, 2421, 2423, 2804, 2860,  
 2912, 2933, 2952, 3160, 3161,  
 3165, 3166, 3389, 3390, 3653,  
 3654, 3666, 3667, 3671, 3672,  
 3675, 3676, 3677, 3678, 3680,  
 3681, 3685, 3686, 3712, 3725,  
 3843, 3860, 3877, 3938, 4103,  
 4108, 4115, 4221, 4341, 4359,  
 4360, 4362, 4363, 4787, 4788,  
 4789, 4809, 4810, 4811, 4812,  
 4813, 4814, 4815, 4816, 4817,  
 4818, 5397, 5413, 5439, 5613,  
 5675, 5679, 5746, 5750, 5793,  
 5882, 5883, 5884, 5885, 5889,  
 5890, 5891, 5892, 5904, 5905,  
 6078, 6079, 6080  
`\lineskip` . . . . . 4798  
`\linespread` . . . . . 3775  
`\linewidth` . 5830, 5834, 5849, 5909  
`\listalgorithmname` . . . . . 7  
`\listfigurename` . . . . . 4077  
`\listtablename` . . . . . 4078  
`\LoadClass` . . . . . 4570  
`\logo` . . . . . 4903, 4932  
`\long` . 1843, 2466, 4434, 4436, 4442,  
 4445  
`\longdate` . . . . . 5287  
`\loop` . . . . . 3744, 6046, 6055  
`\lower` . . . . . 4071  
`\lowercase` . . . . . 2325, 2466  
`\lr` . . 1543, 2136, 2225, 3688, 3713,  
 3726, 4630, 4685, 5077  
`\LRE` . . . . . 3688  
`\lstlistingname` . . . . . 1623  
`\lstlistlistingname` . . . . . 1624  
`\LTR` . . . . . 3690  
`\LTRfoottextfont` . . . . . 1319  
`\ltx@ifundefined` 1534, 1547, 1551

**M**

`\m@ne` . . . . . 2253, 5404, 5428  
`\m@th` . . . . . 1863  
`\makeform` . . . . . 5886, 5893  
`\makeform@correction` . 5801, 5893  
`\makeform@nocorrection` . . 5798,  
 5886



<code>\MakeFramed</code>	1505	4975, 5007, 5041, 5061, 5082,
<code>\MakeLowercase</code>	1400, 1407, 1414,	5085, 5107, 5132, 5158, 5181,
	1421, 1428, 1435, 1442, 1449,	5184, 5842
	1456, 1463, 1470, 1477, 1484	
<code>\makemask</code>	5887, 5894	
<code>\makemask@correction</code>	5806, 5894	
<code>\makemask@nocorrection</code>	5803,	
	5887	
<code>\maketitle</code>	4786, 4810	
<code>\MakeUppercase</code>	4752	
<code>\makezwnjletter</code>	1626, 1627	
<code>\math@bgroup</code>	5399, 5423	
<code>\math@fonts</code>	5406, 5430	
<code>\math@version</code>	5402, 5405, 5410,	
	5411, 5415, 5426, 5429, 5433,	
	5435, 5437, 5441	
<code>\mathalpha</code>	5486, 5496, 5622, 5758,	
	5770	
<code>\mathbf</code>	5476, 5625, 5762, 5773	
<code>\mathchar@type</code>	5463, 5472, 5474	
<code>\mathchardef</code>	5664	
<code>\mathcode</code>	5712	
<code>\MathDecimalSeparator</code>	5489,	
	5499, 5679, 5685, 5713, 5754,	
	5761, 5772	
<code>\mathgroup</code>	5396	
<code>\mathiranic</code>	3489	
<code>\mathit</code>	5477, 5626, 5763, 5774	
<code>\mathnavar</code>	3492	
<code>\mathord</code>	5488, 5498, 5507, 5513,	
	5519, 5525, 5531, 5623, 5624,	
	5760, 5771	
<code>\mathpersiansf</code>	3483	
<code>\mathpersiantt</code>	3486	
<code>\mathpook</code>	3495	
<code>\mathrm</code>	5478, 5627, 5764, 5775	
<code>\mathsayeh</code>	3498	
<code>\mathsf</code>	5479, 5483, 5643, 5765, 5776	
<code>\mathsurround</code>	195	
<code>\mathhtt</code>	5480, 5493, 5658, 5766, 5777	
<code>\mbox</code>	2107	
<code>\meaning</code>	3275, 3278	
<code>\MessageBreak</code>	2162, 2163, 2192,	
	2193, 2779, 2781, 2782, 2783,	
	2784, 2785, 2786, 2787, 2788,	
	2789, 2790, 2834, 2836, 2837,	
	2838, 2839, 2840, 2841, 2842,	
	2843, 2844, 2845, 2886, 2888,	
	2889, 2890, 2891, 2892, 2893,	
	2894, 2895, 2896, 2897, 4372,	
<code>\MidFrameCommand</code>	1501	
<code>\minilogo</code>	4914, 5128	
<code>\minraggedcols</code>	4553, 4554, 4592,	
	4596, 5234, 5308, 5354, 5379	
<code>\mlftitle</code>	1723	
<code>\mlttitle</code>	1724	
<code>\month</code>	5946	
<code>\msg</code>	3060, 3067, 5536, 5538	
<code>\mtctitle</code>	1722	
<code>\multido</code>	4876, 4882	
<code>\multiply</code>	1823, 5949, 5962, 5989,	
	5995, 6012, 6016	
<code>\mylogo</code>	4919	
<b>N</b>		
<code>\NAT@close</code>	2219, 2298	
<code>\NAT@Latin@citetp</code>	2306, 2310,	
	2311, 2312	
<code>\NAT@open</code>	2202, 2278	
<code>\NAT@alias</code>	2180, 2210, 2245, 2288	
<code>\NAT@all@names</code>	2148, 2151, 2237,	
	2240	
<code>\NAT@aysep</code>	2172	
<code>\NAT@biblabel</code>	2123	
<code>\NAT@biblabelnum</code>	2114	
<code>\NAT@bibsetnum</code>	2115	
<code>\NAT@bibsetup</code>	2124	
<code>\NAT@cite</code>	2120	
<code>\NAT@cite@list</code>	2137, 2226	
<code>\NAT@citea@mbox</code>	2271	
<code>\NAT@citenum</code>	2108	
<code>\NAT@citesuper</code>	2101	
<code>\NAT@citeundefined</code>	2142, 2232	
<code>\NAT@citex</code>	2121	
<code>\NAT@citexnum</code>	2112	
<code>\NAT@close</code>	2116, 2127	
<code>\NAT@cmprs</code>	2247, 2293	
<code>\NAT@cmt</code>	2218, 2296	
<code>\NAT@ctype</code>	2153, 2183, 2243, 2245,	
	2276, 2284, 2286, 2295, 2304	
<code>\NAT@date</code>	2127, 2144, 2154, 2155,	
	2166, 2174, 2179, 2184, 2197,	
	2204, 2209, 2212, 2219	
<code>\NAT@def@citea</code>	2181, 2213, 2274	
<code>\NAT@def@citea@mbox</code>	2282	
<code>\NAT@def@citea@close</code>	2215	
<code>\NAT@exlab</code>	2160, 2164, 2190, 2194	



<code>\NAT@fullfalse</code>	2305	<code>\NAT@temp</code>	2159, 2160, 2189, 2190
<code>\NAT@fulltrue</code>	2305	<code>\NAT@test</code>	2245, 2278, 2284, 2286
<code>\NAT@hyper@</code>	2155, 2164, 2166, 2169, 2178, 2179, 2180, 2185, 2194, 2197, 2200, 2208, 2209, 2210, 2245, 2281	<code>\NAT@year</code>	2136, 2145, 2158, 2188
<code>\NAT@hyper@citea@space</code>	2284, 2286, 2288	<code>\NAT@yrsep</code>	2157, 2187, 2277
<code>\NAT@idtxt</code>	2116, 2127	<code>\natexlab</code>	2117, 2128
<code>\NAT@ifcat@num</code>	2248, 2251	<code>\navardefault</code>	3479, 3493, 3563, 3571
<code>\NAT@last@nm</code>	2145, 2157, 2187, 2234, 2277	<code>\navarfamily</code>	3491, 3492, 3503, 3564
<code>\NAT@last@num</code>	2234, 2251, 2252, 2270	<code>\NeedsTeXFormat</code>	3046, 4524, 5393, 5780, 5917
<code>\NAT@last@yr</code>	2145, 2158, 2188, 2225, 2259, 2293	<code>\new@mathalphabet</code>	5459
<code>\NAT@last@yr@mbx</code>	2255, 2265	<code>\new@mathbf</code>	5505, 5625, 5773
<code>\NAT@Latin@cites</code>	2305, 2306	<code>\new@mathgroup</code>	5396, 5397, 5452
<code>\NAT@Latin@citex</code>	2122, 2130, 2131	<code>\new@mathit</code>	5511, 5626, 5774
<code>\NAT@Latin@citexnum</code>	2113, 2220, 2221	<code>\new@mathrm</code>	5517, 5627, 5775
<code>\NAT@mbx</code>	2102, 2107, 2278, 2281, 2298	<code>\new@mathsf</code>	5523, 5643, 5776
<code>\NAT@merge</code>	2255, 2270	<code>\new@mathtt</code>	5529, 5658, 5777
<code>\NAT@name</code>	2116, 2127, 2148, 2152, 2237, 2241	<code>\new@mathversion</code>	5457
<code>\NAT@nm</code>	2136, 2145, 2151, 2152, 2155, 2157, 2170, 2178, 2185, 2187, 2201, 2208, 2225, 2234, 2240, 2241, 2249, 2250, 2254, 2258, 2277	<code>\new@symbolfont</code>	5458
<code>\NAT@nmfmt</code>	2155, 2170, 2178, 2185, 2201, 2208	<code>\newboolean</code>	4535, 4537, 4539, 4541, 4543, 4545, 4547
<code>\NAT@num</code>	2116, 2225, 2234, 2248, 2249, 2270, 2281	<code>\newcolumnntype</code>	5794, 5795
<code>\NAT@open</code>	2116, 2127	<code>\newcommand</code>	90, 1618, 1619, 1626, 1628, 1629, 1631, 1635, 2130, 2220, 2306, 2311, 2959, 3051, 3266, 3389, 3390, 3476, 3477, 3478, 3479, 3480, 3481, 3742, 3782, 3783, 3787, 3819, 4059, 4064, 4109, 4112, 4215, 4218, 4468, 4532, 4587, 4631, 4632, 4635, 4636, 4637, 4642, 4643, 4646, 4647, 4650, 4651, 4652, 4653, 4656, 4657, 4661, 4662, 4665, 4666, 4667, 4668, 4671, 4674, 4679, 4684, 4687, 4689, 4692, 4697, 4698, 4709, 4710, 4713, 4714, 4722, 4723, 4726, 4727, 4732, 4733, 4741, 4742, 4744, 4745, 4746, 4747, 4750, 4751, 4753, 4754, 4764, 4765, 4766, 4767, 4768, 4769, 4774, 4775, 4776, 4777, 4778, 4779, 4780, 4781, 4782, 4783, 4784, 4785, 4820, 4825, 4857, 4889, 4903, 4914, 4919, 4927, 4951, 4982, 5014, 5048, 5067, 5171, 5189, 5196, 5238, 5246, 5289, 5295, 5315, 5332, 5361, 5386, 5470, 5471, 5473, 5673, 5790, 5792, 5798, 5801, 5803, 5806,
<code>\NAT@parse</code>	2146, 2235		
<code>\NAT@partrue</code>	2304		
<code>\NAT@penalty</code>	2118, 2126, 2262, 2277		
<code>\NAT@reset@citea</code>	2135, 2224		
<code>\NAT@reset@parser</code>	2133, 2222		
<code>\NAT@set@cites</code>	2099, 2302		
<code>\NAT@sort@cites</code>	2134, 2223		
<code>\NAT@space</code>	2104, 2109, 2125, 2277		
<code>\NAT@spacechar</code>	2109, 2116, 2125, 2127, 2165, 2172, 2196, 2202, 2278, 2280		
<code>\NAT@super@kern</code>	2105, 2110, 2278		
<code>\NAT@swafalse</code>	2308		
<code>\NAT@swatru</code>	2304		



5810, 5812, 5814, 5862, 5863,  
 5868, 5872, 5877, 5896, 5898,  
 6074, 6090  
 \newcount . 3738, 4549, 4550, 4553,  
 4855, 4856, 5921, 5922, 5923,  
 5924, 5925, 5926, 5927, 5928,  
 5929, 5930, 5931, 5932, 5933,  
 5934, 5936, 5937, 5938, 5939,  
 5940, 5941, 5942, 5943  
 \newcounter . . . . . 5815, 5816  
 \newdimen . . 3739, 3740, 4853, 4854  
 \NewDocumentCommand 3431, 3455,  
 5505, 5511, 5517, 5523, 5529,  
 5593, 5756, 5769  
 \newenvironment 1629, 2316, 2317,  
 3692, 3702, 3710, 3711, 4822,  
 4928, 5090, 5120, 5144, 5298,  
 5347, 5373, 5844, 5878  
 \newfam . . . . . 5397  
 \newfontface . . . . . 2934  
 \newfontlanguage . . . . . 3296  
 \newfontscript . . . . . 3295  
 \newif 1576, 3054, 3055, 3289, 3780,  
 5920  
 \newlength 4527, 4528, 4529, 4530,  
 4531, 4533, 5808, 5899, 5901  
 \newmathalphabet . . . . . 5453  
 \newmathalphabet@@ . . . . . 5453  
 \newmathalphabet@@@ . . . . . 5453  
 \newpage . . . . . 3136, 4938  
 \newsavebox . . . . . 4821  
 \newsection . . . . . 5295  
 \newtoks . . . . . 4432  
 \next . 1594, 1596, 1597, 2329, 2330,  
 2331, 2335, 2337, 2340, 2344,  
 2345, 2347, 2353, 2358, 2362,  
 2364, 2373, 2375, 2381, 2384,  
 2388, 2395, 2397  
 \nobreak . . . . . 1580, 2102  
 \noexpand . 2328, 2348, 2354, 2356,  
 2366, 2374, 2376, 2388, 2389,  
 2398, 3837, 3843, 3854, 3860,  
 3871, 3877, 3882, 3888, 3894,  
 3900, 3906, 3912, 3918, 3936,  
 3952, 3967, 3983, 3999, 4008,  
 4017, 4026, 5409  
 \nohyphens . 4703, 4718, 4737, 4758  
 \noindent . 4648, 4663, 4701, 4711,  
 4716, 4724, 4729, 4735, 4743,  
 4748, 4752, 4756, 4905, 4922,  
 5003, 5029, 5054, 5101, 5178,  
 5192, 5226, 5241, 5279, 5336,  
 5364, 5389, 5391  
 \non@alpherr . . . . . 5418, 5444  
 \nopagebreak . . . . . 5910  
 \normalcolor . . . . 1831, 2072, 2082  
 \normalfont 3348, 3420, 3526, 3550,  
 3574, 3598, 3622, 3646, 3666,  
 3667, 3680, 3681  
 \normalsize 3718, 3836, 3837, 3921,  
 4599, 4600, 4646, 5241, 5279  
 \not . . . . . 5822  
 \not@math@alphabet . 3483, 3486,  
 3489, 3492, 3495, 3498  
 \null . . . . . 4790, 4806  
 \number 4122, 4124, 4125, 4223, 4225,  
 4226, 4326, 4328, 4330, 4332,  
 5410, 5434, 6075, 6076  
  
**O**  
 \obeyspaces . . . . . 5667, 5684  
 \old@endquestion . . . . 5905, 5913  
 \old@question . . . . . 5904, 5911  
 \or 1973, 1974, 1975, 1977, 1978, 2002,  
 2003, 2004, 2008, 2009, 2010,  
 2011, 2012, 2016, 2017, 2178,  
 2179, 2180, 2208, 2209, 2210,  
 2283, 2285, 2287, 4095, 4096,  
 4097, 4098, 4099, 4100, 4104,  
 4105, 4106, 4143, 4144, 4145,  
 4146, 4147, 4148, 4149, 4150,  
 4151, 4152, 4156, 4195, 4196,  
 4197, 4198, 4201, 4204, 4207,  
 4208, 4211, 4212, 4213, 4244,  
 4245, 4246, 4247, 4248, 4249,  
 4250, 4251, 4252, 4253, 4257,  
 4300, 4301, 4302, 4305, 4306,  
 4307, 4308, 4309, 4312, 4313,  
 4314, 4315, 4344, 4345, 4348,  
 4349, 4352, 4353, 4356, 4453,  
 6081, 6082, 6083, 6084, 6085,  
 6086, 6087, 6091, 6092, 6093  
 \orig . 5476, 5477, 5478, 5479, 5480,  
 5484, 5494, 5506, 5512, 5518,  
 5524, 5530, 5754, 5762, 5763,  
 5764, 5765, 5766, 5772  
 \originaltoday . . . . . 3712, 3713  
 \Ovalbox . . . . . 5218, 5271  
 \ovalbox . . . . . 5213, 5266  
 \overline . . . . . 5673, 5698



**P**

<code>\p@</code> ..	2105, 3788, 3789, 3790, 3791, 3793, 3796, 3797, 3799, 3803, 3804, 3805, 3807, 3810, 3811, 3822, 3825, 3987, 4791
<code>\PackageError</code> ..	3133, 3143, 4066, 4117, 4372
<code>\PackageInfo</code> ..	67, 79, 3773, 3774, 4501, 4502, 5470
<code>\PackageWarning</code> .	2143, 2232, 4318
<code>\PackageWarningNoLine</code>	2160, 2190
<code>\page@free</code> .....	4835, 4837
<code>\pageautorefname</code> .....	1529
<code>\pagegoal</code> .....	5317
<code>\pagename</code> .....	1359, 4090
<code>\pagenumbering</code> .	15, 127, 138, 156, 1309, 1707, 2827
<code>\pageref</code> ..	3026, 3028, 3034, 3036, 4676, 5174
<code>\pagesFormat</code> .....	4750, 4752
<code>\pagestyle</code> .....	4893
<code>\pagetotal</code> .....	5318
<code>\par</code> .....	10, 17, 24, 40, 46, 52, 58, 128, 139, 146, 158, 816, 1301, 1311, 1323, 1563, 1711, 2745, 2752, 2759, 2767, 2794, 2849, 2901, 4793, 4795, 4801, 4803, 4804, 5293, 5378, 5850, 5910
<code>\paragraphautorefname</code> ....	1525
<code>\parallel</code> .....	4658
<code>\parbox</code> .....	5849, 5909
<code>\parindent</code> .....	3696, 3706
<code>\parsep</code>	3923, 3934, 3935, 3939, 3950, 3951, 3954, 3965, 3966, 3969, 3981, 3982, 3996
<code>\partautorefname</code> .....	1519
<code>\partname</code> .....	4083
<code>\partopsep</code> .....	3987, 3997, 4046
<code>\PassOptionsToClass</code>	4555, 4556, 4557
<code>\PassOptionsToPackage</code> ...	3057, 3075, 3078
<code>\pbs</code> .....	5793, 5794
<code>\pdfstringdefDisableCommands</code> .	..... 1542
<code>\penalty</code> ....	195, 201, 2118, 3727
<code>\persian</code> .....	3700, 3702
<code>\PersianAlphs</code> ..	3159, 3164, 3700, 3711, 4523
<code>\persianday</code> .....	86, 6080
<code>\persiandecimalseparator</code>	5624, 5713
<code>\PersianDisplayMathDigits</code>	3112, 5724, 5730
<code>\persianfont</code> ....	3338, 3680, 3682
<code>\PersianInlineMathDigits</code>	3105, 5720, 5729
<code>\PersianMathDigits</code> ..	3098, 5728
<code>\persianmathdigits</code> .	5621, 5721, 5725, 5733, 5737
<code>\persianmathsfdigits</code>	5643, 5722, 5726, 5734, 5738
<code>\persianmathttdigits</code>	5658, 5723, 5727, 5735, 5739
<code>\persianmonth</code> ....	86, 6079, 6091
<code>\persianseason</code> .....	6090
<code>\persiansfdefault</code> ..	3476, 3484, 3515, 3523
<code>\persiansffamily</code>	3482, 3483, 3500, 3516
<code>\persiantoday</code> .....	3714, 6074
<code>\persianttdefault</code> ..	3477, 3487, 3539, 3547
<code>\persianttfamily</code>	3485, 3486, 3501, 3540
<code>\persianyear</code> .....	86, 6078
<code>\pictureCaptionFormat</code>	4746, 4748
<code>\plftitle</code> .....	1720
<code>\plq</code> .....	3269
<code>\plttitle</code> .....	1721
<code>\pookdefault</code>	3480, 3496, 3587, 3595
<code>\pookfamily</code>	3494, 3495, 3504, 3588
<code>\postmath</code> .....	201
<code>\PrefixCurrentTab</code> .....	2959
<code>\premath</code> .....	197
<code>\prepnext@tok</code> .....	1970, 1980
<code>\prg</code> .....	5550, 5553, 5555
<code>\printindex</code> .....	3136
<code>\process@table</code> .....	5456
<code>\ProcessKeyOptions</code> .....	3228
<code>\ProcessOptions</code> .....	4569, 5916
<code>\proofname</code> .....	4092
<code>\protect</code> ..	4975, 4976, 4978, 5007, 5008, 5010, 5041, 5042, 5044, 5061, 5062, 5064, 5082, 5083, 5085, 5181, 5182, 5184, 5799, 5802, 5804, 5807, 5825, 5830, 5831, 5832, 5834, 5835, 5836, 5856, 5857
<code>\providecommand</code> .....	4317



<code>\ProvidePersianTranslation</code> ..	<code>\reftextpagerange</code> .....
..... 90, 94, 95, 96,	3031
97, 98, 99, 100, 101, 102, 103,	<code>\reftextvario</code> .. 2986, 2988, 2994,
104, 105, 106, 107, 108	2996, 3002, 3004, 3010, 3012,
<code>\ProvidesClass</code> .....	3018, 3020
4525	<code>\relax</code> .. 86, 1626, 1818, 1850, 1985,
<code>\ProvidesFile</code> .....	1986, 2007, 2008, 2009, 2070,
.....	2080, 2104, 2110, 2154, 2184,
. 1, 4, 8, 14, 23, 38, 44, 50, 56,	2212, 2219, 2225, 2252, 2259,
62, 82, 89, 111, 120, 122, 133,	2270, 2424, 2804, 2860, 2912,
144, 152, 164, 204, 1157, 1217,	2953, 3118, 3125, 3214, 3272,
1234, 1245, 1288, 1299, 1305,	3290, 3657, 3658, 3662, 3663,
1317, 1321, 1328, 1487, 1495,	3775, 3820, 3824, 4007, 4016,
1509, 1513, 1560, 1567, 1622,	4025, 4435, 4445, 4450, 4460,
1625, 1705, 1718, 1728, 2098,	4464, 4470, 4471, 4472, 4496,
2460, 2743, 2750, 2757, 2765,	4498, 4569, 4788, 4809, 4810,
2773, 2824, 2880, 2932, 2950,	4815, 4816, 4817, 4818, 5399,
2970, 2982	5413, 5423, 5439, 5472, 5474,
<code>\ProvidesPackage</code> 3052, 5394, 5781,	5613, 5712, 5746, 5750, 5948,
5918	5949, 5951, 5956, 5961, 5962,
<code>\providetranslation</code> .....	5968, 5970, 5972, 5974, 5975,
91	5976, 5977, 5978, 5979, 5980,
<code>\prq</code> .....	5981, 5982, 5983, 5984, 5986,
3268	5988, 5989, 5994, 5995, 6002,
<code>\ptctitle</code> .....	6004, 6007, 6011, 6012, 6015,
1719	6016, 6019, 6024, 6026, 6028,
	6030, 6031, 6032, 6033, 6034,
	6035, 6036, 6037, 6038, 6039,
	6040, 6041, 6043, 6044, 6047,
	6052, 6056, 6062, 6064, 6065
	<code>\renewcommand</code> .....
	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, 1706, 1708,
	1709, 1710, 1711, 2099, 2116,
	2127, 2744, 2745, 2751, 2752,
	2758, 2759, 2766, 2767, 2774,
	2775, 2803, 2825, 2829, 2830,
	2859, 2881, 2882, 2911, 2951,
	2972, 2973, 2974, 2975, 2976,
	2977, 2978, 2979, 2980, 2981,
	3083, 3136, 3736, 4049, 4055,
<b>Q</b>	
<code>\quad</code> .....	
4053	
<code>\question</code> .....	
5904	
<code>\questionsepspace</code> ..	
5901, 5902,	
5914	
<code>\questionspace</code> ..	
5808, 5809, 5850	
<code>\questiontitle</code> .....	
5896, 5915	
<code>\questiontitlefont</code> .....	
5898	
<code>\questiontitlespace</code>	
5899, 5900,	
5910	
<b>R</b>	
<code>\raggedFormat</code> ..	
4587, 5235, 5309,	
5355, 5380	
<code>\RaggedLeft</code> .....	
4587	
<code>\raisebox</code> .....	
4633, 4638	
<code>\redeflatinfont</code> .....	
3457	
<code>\redefpersianfont</code> .....	
3433	
<code>\ref</code> .....	
3041, 3043	
<code>\refname</code> .....	
121, 4081	
<code>\refstepcounter</code> .....	
5866, 5867	
<code>\reftextafter</code> .....	
2999	
<code>\reftextbefore</code> .....	
3007	
<code>\reftextcurrent</code> .....	
3015	
<code>\reftextfaceafter</code> .....	
2983	
<code>\reftextfacebefore</code> .....	
2991	
<code>\reftextfaraway</code> .....	
3023	
<code>\reftextlabelrange</code> .....	
3039	



4366, 4599, 4606, 4608, 4610,  
 4617, 4624, 4625, 4626, 4627,  
 4628, 4680, 4681, 4682, 4693,  
 4694, 4695, 4786, 4891, 4927,  
 4947, 5286, 5296, 5301, 5797  
 \RenewDocumentCommand ... 3436,  
 3460, 5483, 5493  
 \renewenvironment ... 1496, 5906  
 \repeat ..... 3770, 6049, 6058  
 \RequirePackage 3256, 3257, 3258,  
 3259, 4526, 4571, 4572, 4573,  
 4574, 4575, 4576, 4578, 4580,  
 4582, 4583, 4584, 4585, 4586,  
 5783, 5784, 5785, 5786, 5787,  
 5788  
 \reserved@a 1782, 1786, 1792, 1798,  
 1801, 1804, 1807, 1810, 1813,  
 1816  
 \reserved@b ..... 1762, 1763  
 \reset@font 2142, 2231, 3667, 3681,  
 3716, 3730  
 \resetlatinfont .. 113, 115, 1318,  
 1319, 1489, 1491, 2942, 3652,  
 3688, 3690, 3710, 3717, 3736,  
 4368  
 \restore@mathversion ..... 5456  
 \restoreapp ..... 36  
 \rightline ..... 5290  
 \rl ..... 1544, 3689, 3714  
 \RLE ..... 3689  
 \rmdefault ..... 3337, 3345, 3417  
 \Roman ..... 1225, 2811, 2867, 2919  
 \roman ..... 1224, 2812, 2868, 2920  
 \romannumeral .. 2820, 2876, 2928,  
 6048, 6057, 6067  
 \RTL ..... 3700  
 \RTLfoottextfont ..... 1320  
 \rule . 4650, 4776, 4878, 4884, 4971,  
 5003  
**S**  
 \sayehdefault .. 3481, 3499, 3611,  
 3619  
 \sayehfamily 3497, 3498, 3505, 3612  
 \scan ..... 5552  
 \scriptsize .... 3881, 3882, 4608  
 \secondarticle . 4982, 5007, 5008,  
 5010  
 \secondSubtitleFormat 4722, 4724  
 \secondTextFormat ... 4726, 4729  
 \secondTitleFormat . 4713, 4718,  
 4719  
 \section ..... 4067  
 \sectionautorefname ..... 1522  
 \sectionname ..... 11, 1564  
 \select@group ..... 5398  
 \selectfont 3342, 3367, 3390, 3414,  
 3447, 3471, 3484, 3487, 3490,  
 3493, 3496, 3499, 3520, 3544,  
 3568, 3592, 3616, 3640, 3670,  
 3684, 3776  
 \set@mathdelimiter ..... 5463  
 \set@fontsize ... 4459, 4463, 4495  
 \set@mathaccent ..... 5460  
 \set@mathchar ..... 5460  
 \set@mathdelimiter ..... 5462  
 \set@mathsymbol ..... 5461  
 \setboolean 2960, 2961, 4536, 4538,  
 4540, 4542, 4544, 4546, 4548,  
 4564, 4565, 4567, 4568, 4930,  
 4948, 5093, 5118, 5147, 5169  
 \setbox 179, 1829, 1872, 1976, 1978,  
 1979, 2069, 2072, 2079, 2082,  
 2943, 2947, 3694, 3704  
 \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,  
 1712, 1713, 2746, 2747, 2753,  
 2754, 2760, 2761, 2768, 2769,  
 2795, 2796, 2850, 2851, 2902,  
 2903, 2954, 2958, 2962, 2963,  
 2964, 2965, 2966, 2967, 2968,  
 4808, 5819  
 \setdigitfont ..... 3394  
 \SetDisplayMathDigits ... 5715,  
 5724, 5736, 5746, 5749  
 \SetEnumerateShortLabel . 1240,  
 1241, 1242, 1243, 1244  
 \setfontsize .... 3819, 4452, 4454  
 \SetInlineMathDigits 5714, 5720,  
 5732, 5745, 5750  
 \setiranicfont ..... 3627  
 \setkeys ..... 170, 187  
 \setlatinmonofont ..... 3426  
 \setlatinsansfont ..... 3425  
 \setlatintextfont ... 3402, 4513  
 \setlength 1848, 1851, 1870, 3791,





3793, 3797, 3799, 3805, 3807,	
3811, 3813, 3821, 3825, 3827,	
3835, 3845, 3846, 3852, 3862,	
3863, 3869, 3879, 3880, 3885,	
3886, 3891, 3892, 3897, 3898,	
3903, 3904, 3909, 3910, 3915,	
3916, 3922, 3987, 4029, 4030,	
4037, 4038, 4039, 4040, 4041,	
4042, 4043, 4044, 4045, 4534,	
4566, 4601, 4602, 4603, 4604,	
4612, 4613, 4614, 4615, 4619,	
4620, 4621, 4622, 4827, 4831,	
4872, 4873, 4890, 4895, 4896,	
5020, 5052, 5124, 5149, 5152,	
5200, 5201, 5249, 5250, 5316,	
5317, 5333, 5809, 5900, 5902	
\setLTRcitationfont . . . . .	113
\SetMathAlphabet . . . . .	5459
\SetMathAlphabet@ . . . . .	5459
\SetMathCharDef . . . . .	5473, 5624
\SetMathCode 5471, 5486, 5488, 5496,	
5498, 5595, 5596, 5597, 5598,	
5599, 5600, 5601, 5602, 5603,	
5604, 5623, 5758, 5760, 5771	
\setmathdigitfont . . . . .	5607
\setmathsfdigitfont . . . . .	5633
\setmathttdigitfont . . . . .	5648
\setmonofont . . . . .	3426
\setnavarfont . . . . .	3555
\setpersianfont . 117, 1320, 1493,	
2946, 3674, 3689, 3700, 3711,	
3736	
\SetPersianMathDigitsCode 5507,	
5513, 5519, 5525, 5531, 5593,	
5622, 5770	
\setpersianmonofont . . . . .	3531
\setpersiansansfont . . . . .	3507
\setpookfont . . . . .	3579
\setsansfont . . . . .	3425
\setsayehfont . . . . .	3603
\SetSymbolFont . . . . .	5458
\SetSymbolFont@ . . . . .	5458
\setttextdigitfont . . . . .	3353
\setttextfont . . . . .	3329, 4373
\setthesection . . . . .	1708
\sf@size . . . . .	4482, 4484
\sffamily . . . . .	4631
\shadowbox . . . . .	5203, 5256
\shadowsize . . . . .	5201, 5250, 5254
\shortarticleitem . . . . .	5386
\shortarticleItemTitleFormat .	
. . . . .	4784, 4785
\shortarticleSubtitleFormat .	
. . . . .	4782, 4783
\shortarticleTitleFormat 4780,	
4781	
\sixt@n . . . . .	1781, 1818
\skip . . . . .	4031
\slftitle . . . . .	1726
\slttitle . . . . .	1727
\small 3853, 3854, 4068, 4610, 4611,	
4665, 4669, 4675, 4746, 4768,	
4787	
\smash . . . . .	4071
\SOUL@tt . . . . .	2933, 2935, 2943, 2947
\SOUL@tt@latin . . . . .	2933, 2939
\SOUL@tt@nonlatin . . . . .	2934, 2937
\SOUL@ttwidth . . . . .	2944, 2948
\space 2144, 2233, 3052, 3239, 3733,	
4056, 4060, 4324, 4834, 4835,	
4975, 4976, 4978, 5007, 5008,	
5010, 5041, 5042, 5044, 5061,	
5062, 5064, 5082, 5083, 5085,	
5181, 5182, 5184, 5291, 5840,	
6075, 6076	
\ssf@size . . . . .	4488, 4490
\stctitle . . . . .	1725
\stepcounter . 26, 2956, 5815, 5828,	
5859	
\str . . 3345, 3417, 3523, 3547, 3571,	
3595, 3619, 3643	
\string . 67, 1907, 1941, 2030, 2399,	
2779, 2780, 2783, 2785, 2787,	
2789, 2790, 2791, 2834, 2835,	
2838, 2840, 2842, 2844, 2845,	
2846, 2886, 2887, 2890, 2892,	
2894, 2896, 2897, 2898, 3729,	
4476, 4478, 4482, 4484, 4488,	
4490	
\strip@pt . 3656, 3661, 3775, 3823,	
4469	
\subparagraphautorefname . 1526	
\subsectionautorefname . . . 1523	
\subsubsectionautorefname 1524	
\SwitchToDefaultMathDigits 5756	
\SwitchToPersianMathDigits 5769	
\sys . . . . .	3065
<b>T</b>	
\tableautorefname . . . . .	1518



<code>\tablename</code>	1374, 1391, 4075	<code>\theHchapter</code>	1536, 1554
<code>\tabularxcolumn</code>	5797	<code>\theHsection</code>	1535, 1552
<code>\tartibi</code>	1221, 1235, 1240, 2808, 2864, 2916, 4215	<code>\themPFN</code>	1877
<code>\tartibinumeral</code>	4221	<code>\themPFootnote</code>	1877, 4365
<code>\test</code>	1593, 1594, 1595	<code>\theoremAutorefname</code>	1528
<code>\tex</code>	5549, 5552	<code>\thepage</code>	2144, 2161, 2191, 2233, 3733, 4676
<code>\textbf</code>	2, 3, 1498, 1500, 1502, 1504, 5192, 5226, 5241, 5279	<code>\thepart</code>	9, 16, 39, 45, 51, 57, 123, 134, 145, 157, 1300, 1310, 1322, 1562, 1710, 2744, 2751, 2758, 2766, 2774, 2829, 2881
<code>\textblockorigin</code>	4852	<code>\thequestion</code>	5839, 5879, 5915
<code>\textdegree</code>	4666	<code>\thesection</code>	12, 34, 43, 49, 55, 61, 1304, 1565, 2797
<code>\TextDigitFontOff</code>	3783	<code>\thirdarticle</code>	5014, 5041, 5042, 5044
<code>\TextDigitFontOn</code>	3782, 3785	<code>\thirdSubtitleFormat</code>	4741, 4743
<code>\textfloatsep</code>	4035, 4039	<code>\thirdTextFormat</code>	4744, 4745
<code>\textheight</code>	4859, 4884	<code>\thirdTitleFormat</code>	4732, 4737, 4738
<code>\textiranic</code>	3502	<code>\thispagestyle</code>	4931, 4936
<code>\textit</code>	4777	<code>\thr@@</code>	1904, 1923, 1924, 1938, 1959, 1960, 1986, 1998, 1999, 2027, 2054, 2055
<code>\textnavar</code>	3503	<code>\timestamp</code>	4769, 4966, 4996, 5032
<code>\textpersiansf</code>	3500	<code>\timestampFormat</code>	4768, 4770
<code>\textpersiantt</code>	3501	<code>\timestampSeparator</code>	4767, 4772
<code>\textpook</code>	3504	<code>\timestampTxt</code>	4766, 4771
<code>\textsayah</code>	3505	<code>\tiny</code>	3887, 3888, 4606
<code>\textsc</code>	4779	<code>\title</code>	4815
<code>\textsf</code>	4053	<code>\TitleBarFrame</code>	1498, 1500, 1502, 1504
<code>\textsuperscript</code>	2102	<code>\tl</code>	3301, 3302, 3303, 3310, 3316, 3317, 3318, 3325, 3337, 3346, 3418, 3425, 3426, 3515, 3524, 3539, 3548, 3563, 3572, 3587, 3596, 3611, 3620, 3635, 3644, 5450, 5467, 5489, 5499, 5538, 5625, 5626, 5627, 5643, 5658, 5761, 5762, 5763, 5764, 5765, 5766, 5772, 5773, 5774, 5775, 5776, 5777
<code>\texttt</code>	4636	<code>\tmp</code>	5793
<code>\textwidth</code>	1875, 4858, 4878, 5190, 5846	<code>\today</code>	3712, 3714, 4052, 5287
<code>\tf@size</code>	4476, 4478	<code>\topsep</code>	3925, 3933, 3941, 3949, 3956, 3964, 3971, 3980, 3985, 3995, 3998
<code>\thanks</code>	4789, 4809	<code>\TPHorizModule</code>	4647, 4872, 4971,
<code>\the</code>	86, 166, 171, 1582, 1584, 1852, 2350, 2355, 2361, 2368, 2378, 2392, 3251, 3746, 3747, 3748, 3751, 3752, 3753, 3757, 3758, 3759, 3762, 3763, 3764, 3826, 3838, 3839, 3840, 3841, 3842, 3855, 3856, 3857, 3858, 3859, 3872, 3873, 3874, 3875, 3876, 3883, 3889, 3895, 3901, 3907, 3913, 3919, 3933, 3934, 3949, 3950, 3964, 3965, 3980, 3981, 3995, 3997, 4445, 4834, 4835, 5320, 5745, 5749, 6048, 6057, 6067		
<code>\the@choice</code>	5818, 5840		
<code>\thebook</code>	1709		
<code>\thechapter</code>	20, 31, 132, 143, 150, 162, 1315, 1327, 1708, 1715, 2749, 2756, 2763, 2771, 2853, 2905		



5003, 5054, 5101, 5102, 5125, 5126, 5149		<code>\vcenter</code> . . . . . 1858, 1859
<code>\TPVertModule</code> . . . . . 4873		<code>\verbatim@</code> . . . . . 1630
<code>\true</code> . . . . . 5868		<code>\verbatim@addtoline</code> 2334, 2349, 2360, 2367, 2369, 2377, 2379, 2391, 2393
<code>\truensymbol</code> . . . . . 5862		<code>\verbatim@finish</code> . . . . . 2387
<code>\ttdefault</code> . . . . . 3389, 3390		<code>\verbatim@processline</code> . . . 2338, 2351, 2371
<code>\tw@</code> . . . 1581, 1799, 1802, 1884, 1890, 1891, 1893, 1903, 1913, 1914, 1937, 1947, 1948, 1985, 1991, 1992, 1997, 2026, 2036, 2037, 2245, 3746, 3747, 3748, 3751, 3752, 3753		<code>\verbatim@startline</code> 2327, 2339, 2352, 2372
<code>\twocolumnstableofcontents</code> 4064		<code>\version@elt</code> . . . . . 5455
<code>\typeout</code> . . . . . 3253, 3254, 4820		<code>\version@list</code> . . . . . 5455
<code>\TypesetTime</code> . . . . . 4052		<code>\vfil</code> . . . . . 4790, 4806
<b>U</b>		<code>\voidb@x</code> . . . . . 179
<code>\uccode</code> . . . . . 5669		<code>\vrb@catcodes</code> . . . . . 2321
<code>\Umathchardef</code> . . . . . 5474		<code>\vskip</code> . . . . . 4791, 4794, 4796, 4802
<code>\Umathcode</code> . . . . . 5472		<code>\vspace</code> 4826, 4845, 4907, 4917, 4960, 4964, 4987, 4990, 4994, 5001, 5019, 5023, 5027, 5036, 5095, 5099, 5155, 5176, 5224, 5228, 5247, 5277, 5281, 5326, 5328, 5338, 5341, 5366, 5368, 5388, 5390, 5850, 5908, 5910
<code>\Umathcodenum</code> . . . . . 2467		<code>\vss</code> . . . . . 1861
<code>\undefined</code> 1739, 5713, 5721, 5722, 5723, 5725, 5726, 5727, 5733, 5734, 5735, 5737, 5738, 5739		<code>\vtop</code> . . . . . 1856, 1857, 1978
<code>\unhbox</code> . . . . . 1861		 
<code>\unpenalty</code> . . . . . 201		<b>W</b>
<code>\unskip</code> 198, 2015, 2016, 2017, 2102, 2165, 2196		<code>\wd</code> . . . . . 2944, 2948
<code>\unvbox</code> . . . . . 1861		<code>\weatherFormat</code> . . . . . 4661, 4663
<code>\uppercase</code> . . . . . 5670		<code>\weatheritem</code> 5067, 5082, 5083, 5085
<code>\Url@actpercent</code> . . . . . 2466		<code>\weatherTempFormat</code> . . 4665, 5075
<code>\Url@Edit</code> . . . . . 2466		<code>\weatherUnits</code> . . . . . 4666, 5077
<code>\Url@FormatString</code> . . . . . 2462		<code>\whiledo</code> . . . . . 5822
<code>\Url@String</code> . . . . . 2466		<code>\width</code> . . . . . 1506, 2429, 2430
<code>\use</code> . . . 3338, 3351, 3361, 3392, 3410, 3423, 3441, 3445, 3465, 3469, 3516, 3529, 3540, 3553, 3564, 3577, 3588, 3601, 3612, 3625, 3636, 3649, 5631, 5646, 5661		<code>\write</code> . . . . . 3138, 3729
<code>\use@mathgroup</code> . . . . . 5409		<code>\writexviiifalse</code> . . . . . 3293
<code>\usebox</code> . . . . . 4824		<code>\writexviiiitru</code> . . . . . 3291
<code>\usecounter</code> . . . . . 5852		 
<code>\usefonttheme</code> . . . . . 83		<b>X</b>
<code>\UseOneTimeHook</code> . 2800, 2856, 2908		<code>\X</code> . . . . . 5792
<b>V</b>		<code>\x</code> . . . . . 3275, 3280
<code>\value</code> . . . . . 2953, 5822, 5838		<code>\xdef</code> . 1537, 1556, 4476, 4478, 4482, 4484, 4488, 4490, 5409, 5818, 5823, 5847, 5848, 5869, 5870, 5873, 5874
<code>\vbox</code> . 1832, 1849, 1854, 1855, 1872, 1979, 2069, 2073, 2079, 2083, 5363, 5389		<code>\XePersian</code> . 1545, 4053, 4071, 4685
		<code>\xepersian</code> . . . . . 2408, 2410
		<code>\xepersian@adadi</code> . . . 4131, 4156
		<code>\xepersian@adadi@tartibi</code> 4232, 4257



<code>\xepersian@@baselineskip@scale</code>	<code>\xepersian@dx</code> .. 4853, 4858, 4869, 4872
3191, 3654, 3660, 3672, 3676, 3678, 3686, 4464	<code>\xepersian@dy</code> .. 4854, 4859, 4870, 4873
<code>\xepersian@@fontsize@branch</code> .	<code>\xepersian@edition</code> . 4635, 4639, 4675, 4795, 4927
..... 3183, 4446	<code>\xepersian@editionLogo</code> .. 4637, 4905, 4923
<code>\xepersian@@fontsize@scale</code> ..	<code>\xepersian@editorialTit</code> . 5332, 5351
3179, 3653, 3655, 3671, 3675, 3677, 3685, 4460, 4471	<code>\xepersian@editorialTitle</code> 4778, 5337
<code>\xepersian@@latin@baselineskip@scale</code>	<code>\xepersian@everyjob</code> . 3251, 3254
.... 3195, 3662, 3672	<code>\xepersian@firstText</code> . 4710, 4966
<code>\xepersian@@latin@fontsize@scale</code>	<code>\xepersian@firstTitle</code> 4698, 4961
.... 3187, 3657, 3671	<code>\xepersian@fmbbox</code> 4821, 4823, 4824
<code>\xepersian@@math@fontsize@scale</code>	<code>\xepersian@footcenter</code> ... 4687, 4694, 4946
..... 3175, 4469	<code>\xepersian@footleft</code> 4689, 4693, 4945
<code>\xepersian@@sp@b</code> 4438, 4440, 4442	<code>\xepersian@footright</code> 4684, 4695, 4944
<code>\xepersian@@sp@c</code> .... 4442, 4445	<code>\xepersian@frag</code> 4449, 4451, 4452, 4454
<code>\xepersian@@sp@d</code> .... 4435, 4436	<code>\xepersian@gridcolumns</code> .. 4550, 4552, 4591, 4595
<code>\xepersian@@sp@def</code> .. 4434, 4449	<code>\xepersian@gridrows</code> 4549, 4551, 4591, 4595
<code>\xepersian@@start@switch@textdigitfont</code>	<code>\xepersian@headcenter</code> ... 4671, 4681, 4943
3209, 3371, 3373, 3376, 3378, 3380, 3382, 3384, 3389	<code>\xepersian@headDateTime</code> . 4657, 4911, 4925
<code>\xepersian@@stop@switch@textdigitfont</code>	<code>\xepersian@headleft</code> 4668, 4680, 4942
3372, 3374, 3375, 3379, 3381, 3383, 3385, 3390	<code>\xepersian@headright</code> 4674, 4682, 4941
<code>\xepersian@@update@math@fontsize</code>	<code>\XePersian@i</code> 5921, 6044, 6045, 6047, 6048, 6049, 6052, 6056, 6057, 6060, 6061, 6064, 6067, 6069
.. 4468, 4478, 4484, 4490	<code>\xepersian@ilg</code> . 3739, 3743, 3747, 3748, 3752, 3753, 3771
<code>\xepersian@adadi</code> .... 4125, 4130	<code>\xepersian@imgsize</code> . 4527, 4828, 4829, 4831, 4840, 4841
<code>\xepersian@adadi@tartibi</code> 4226, 4231	<code>\xepersian@incolumntitle</code> 5238, 5257, 5262, 5267, 5272
<code>\xepersian@alef</code> 1574, 1600, 1614, 1616, 3382, 3383	<code>\xepersian@indexEntry</code> 4647, 5174
<code>\xepersian@cmds@temp</code> . 3270, 3288	<code>\xepersian@indexEntryPage</code> 4653, 5174
<code>\xepersian@coltitsize</code> ... 4528, 5251, 5252, 5253, 5254, 5257, 5262, 5267, 5272	<code>\xepersian@indexFrameTitle</code> ..
<code>\xepersian@computeautoilg</code> 3742, 4499	..... 4643, 5150
<code>\xepersian@cx</code> ... 4855, 4860, 4877	
<code>\xepersian@cy</code> ... 4856, 4861, 4883	
<code>\XePersian@d</code> ... 5921, 5946, 6051, 6070, 6072, 6075, 6080	
<code>\xepersian@dahgan</code> .. 4189, 4210, 4293	
<code>\xepersian@dahgan@tartibi</code> 4291, 4299	
<code>\XePersian@dn</code> .. 5941, 6040, 6048, 6051, 6054, 6058, 6070, 6072	
<code>\xepersian@dualjoiner</code> 1571, 1602, 1603, 1604, 1605, 1609, 1610, 1611, 1613, 1614, 3378, 3379	



\XePersian@indexwidth ... 4531,  
4650, 5149, 5153, 5154  
\XePersian@inexpandedtitle ..  
5189, 5204, 5209, 5214, 5219  
\XePersian@innerSubtitle 4765,  
5305  
\XePersian@innerTitle 4754, 5304  
\XePersian@kabisehfalse . 5991,  
5997  
\XePersian@kabisehtrue ... 5997  
\XePersian@kashida . 1577, 1609,  
1610, 1611, 1612, 1613, 1614,  
1615  
\XePersian@kashidachar .. 1569,  
1582, 1584  
\XePersian@lam . 1572, 1606, 1610,  
1611, 1612, 1615, 1616, 3380,  
3381  
\XePersian@latini ... 5922, 5968  
\XePersian@latinii . 5923, 5970,  
5972  
\XePersian@latiniii . 5924, 5974  
\XePersian@latiniv .. 5925, 5975  
\XePersian@latinix .. 5930, 5980  
\XePersian@latinvi ... 5926, 5976  
\XePersian@latinvi .. 5927, 5977  
\XePersian@latinvii . 5928, 5978  
\XePersian@latinviii . 5929, 5979  
\XePersian@latinix ... 5931, 5981  
\XePersian@latinxi .. 5932, 5982  
\XePersian@latinxii . 5933, 5983  
\XePersian@leapfalse 5953, 5957,  
5963  
\XePersian@leaptrue . 5963, 5964  
\XePersian@localize@verbatim@  
1630, 2329, 2330, 2332, 2340,  
2353, 2362, 2373, 2381, 2395  
\XePersian@localize@verbatim@@  
..... 2332, 2333  
\XePersian@localize@verbatim@@@  
..... 2335, 2336  
\XePersian@localize@verbatim@@testend  
..... 2375, 2385  
\XePersian@localize@verbatim@rescan  
..... 2389, 2398  
\XePersian@localize@verbatim@start  
.. 2326, 2401, 2402, 2413  
\XePersian@localize@verbatim@test  
.... 2344, 2346, 2347  
\XePersian@localize@verbatim@testend  
..... 2358, 2365  
\XePersian@m ... 5921, 5946, 6042,  
6061, 6064, 6076, 6079  
\XePersian@milyoongan 4158, 4169  
\XePersian@milyoongan@tartibi  
..... 4259, 4270  
\XePersian@mminusone 5943, 6042,  
6043, 6045, 6049  
\XePersian@ncol ..... 4882, 4883  
\XePersian@ncolumns 4532, 5233,  
5234, 5301  
\XePersian@nrow ..... 4876, 4877  
\XePersian@numberoutofrange .  
... 4116, 4127, 4228  
\XePersian@numberstring . 4113,  
4121  
\XePersian@numberstring@tartibi  
..... 4219, 4222  
\XePersian@PackageInfo .. 5470,  
5616  
\XePersian@pageleft 4530, 5317,  
5318, 5320, 5322  
\XePersian@pageneed 4529, 4831,  
4832, 4834, 4837, 5316, 5322  
\XePersian@pages 4751, 4986, 5018,  
5303  
\XePersian@persian@@releasename  
..... 3050, 3051  
\XePersian@persian@month 6076,  
6081  
\XePersian@persiani 5922, 6022,  
6023, 6053, 6070  
\XePersian@persianii . 5923, 6024  
\XePersian@persianiii ... 5924,  
6026, 6028  
\XePersian@persianiv . 5925, 6030  
\XePersian@persianix . 5930, 6035  
\XePersian@persianv . 5926, 6031  
\XePersian@persianvi . 5927, 6032  
\XePersian@persianvii 5928, 6033  
\XePersian@persianviii .. 5929,  
6034  
\XePersian@persianx . 5931, 6036  
\XePersian@persianxi . 5932, 6037  
\XePersian@persianxii 5933, 6038  
\XePersian@persianxiii .. 5934,  
6039  
\XePersian@pictureCaption 4747,  
4843, 5057



\expersian@releasename .. 3049,  
3051, 3052, 3239, 4056, 4060  
\expersian@resa ..... 4435, 4437  
\expersian@rightjoiner .. 1573,  
1601, 1613, 1615, 3384, 3385  
\expersian@sadgan .. 4162, 4167,  
4171, 4175, 4180, 4263, 4276  
\expersian@sadgan@tartibi 4268,  
4272, 4281  
\expersian@save@@f@family 3389,  
3390  
\expersian@say . 4820, 5300, 5320,  
5323, 5325, 5349, 5375  
\expersian@secondSubtitle 4723,  
4992  
\expersian@secondText 4727, 4996  
\expersian@secondTitle .. 4714,  
4988  
\expersian@section . 4667, 4672,  
5296  
\expersian@setlength 3787, 3830,  
3832, 3833, 3847, 3849, 3850,  
3864, 3866, 3867, 3923, 3925,  
3939, 3941, 3954, 3956, 3969,  
3971, 3985, 4031, 4033, 4035,  
4046  
\expersian@shellescape ... 3290  
\expersian@shortarticleItemTitle  
..... 4785, 5389  
\expersian@shortarticleSubtitle  
..... 4783, 5369  
\expersian@shortarticleTit ..  
..... 5361, 5376  
\expersian@shortarticleTitle .  
..... 4781, 5365  
\XePersian@sn .. 5942, 6041, 6053,  
6054, 6057, 6058, 6067, 6072  
\expersian@strutilg 3740, 3743,  
3758, 3759, 3763, 3764, 3771,  
3772, 3775, 4500, 4503  
\expersian@tartibi .. 4219, 4304  
\expersian@tcl . 3738, 3743, 3745,  
3746, 3747, 3748, 3751, 3752,  
3753, 3757, 3758, 3759, 3762,  
3763, 3764, 3769, 3770  
\XePersian@temp 5936, 5947, 5948,  
5949, 5951, 5955, 5956, 5957,  
5960, 5961, 5962, 5963, 5985,  
5986, 5987, 5990, 5991, 5993,  
5996, 5997, 6001, 6002, 6005,  
6008, 6013, 6018, 6020, 6021,  
6023  
\expersian@tempa .... 4433, 4444  
\XePersian@temptthree 5938, 5999,  
6000, 6001, 6003, 6006, 6009,  
6010, 6014, 6017, 6018, 6019,  
6020  
\XePersian@tempttwo . 5937, 5987,  
5988, 5989, 5990, 5993, 5994,  
5995, 5996, 6003, 6004, 6005,  
6006, 6007, 6008, 6010, 6011,  
6012, 6013, 6014, 6015, 6016,  
6017  
\expersian@textdigitfont 3209,  
3363, 3389  
\expersian@thirdSubtitle 4742,  
5025  
\expersian@thirdText . 4745, 5032  
\expersian@thirdTitle 4733, 5021  
\XePersian@thirtytwo 5940, 5984,  
5991  
\expersian@tmp ..... 4448, 4449  
\expersian@toks ..... 4432, 4445  
\expersian@value .... 4451, 4454  
\expersian@version . 3047, 3052,  
3239, 3267, 4056, 4060  
\expersian@vowel .... 1575, 1607  
\expersian@weather .. 4662, 5097  
\expersian@www ..... 4632, 4905  
\expersian@wwwFormat . 4631, 4633  
\XePersian@y ... 5921, 5946, 5947,  
5950, 5960, 5963, 5985, 5999,  
6062, 6065, 6076, 6078  
\expersian@yekani .. 4162, 4190,  
4194, 4201, 4204, 4263  
\expersian@yekanii . 4113, 4175,  
4200, 4276  
\expersian@yekaniiii 4171, 4203,  
4272  
\expersian@yekaniv . 4182, 4206,  
4283  
\expersian@yekanv ... 4295, 4311  
\XePersian@yModHundred .. 5939,  
5950, 5951, 5952, 5955, 5959  
\expersian@zwj .. 1568, 1579, 1586  
\expersian@date . 3048, 3052, 3239,  
4056  
\expersianInit ..... 4588, 4889  
\expersianreleasename .... 3051  
\expersianversion ..... 3266



<code>\XeTeXcharclass</code>	1595	<code>\</code>	1741, 1742, 1747, 1748, 1750, 1751
<code>\XeTeXcharglyph</code>	1582, 1584, 3746, 3747, 3748, 3751, 3752, 3753, 3757, 3758, 3759, 3762, 3763, 3764	<code>\</code>	1741, 1746
<code>\XeTeXglyphbounds</code>	1581, 1583, 3746, 3747, 3748, 3751, 3752, 3753, 3757, 3758, 3759, 3762, 3763, 3764	<code>\</code>	1741, 1742, 1747, 1751
<code>\XeTeXinterchartoks</code>	1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 3371, 3372, 3373, 3374, 3375, 3376, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385	<code>\</code>	1736, 1737
<code>\xpg@warning</code>	4317, 4322, 4324	<code>\</code>	1741, 1743, 1748, 1753
		@ <code>\</code>	1730, 1734
			☒
		@ <code>\</code>	2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458
		@ <code>\</code>	1730
		<code>\</code>	1736
		<code>\</code>	1730, 1734
		<code>\</code>	2092, 2400
		<code>\</code>	2314
		<code>\</code>	1737, 2089, 2090
			☒
		<code>\</code>	1729
		<code>\</code>	1732
		<code>\</code>	1731, 1733
<code>\z</code>	3277, 3278		
<code>\z@</code>	10, 18, 181, 182, 193, 195, 1563, 1777, 1877, 1881, 1886, 1887, 1895, 1905, 1909, 1910, 1915, 1929, 1939, 1943, 1944, 1949, 1965, 1987, 1988, 1999, 2017, 2028, 2032, 2033, 2046, 2060, 2247, 2293, 2295, 2304, 2427, 2428, 2435, 2436, 2943, 2944, 2947, 2948, 3373, 3374, 3694, 3695, 3704, 3705, 3743, 3746, 3751, 3757, 3762, 3788, 3789, 3790, 3796, 3803, 3804, 3810, 3832, 3849, 3866, 3987, 3996, 4040, 4157, 4159, 4161, 4165, 4181, 4184, 4190, 4258, 4260, 4262, 4266, 4282, 4285, 4295, 4324, 4346, 4350, 4354, 4357, 4447, 5997		
			☒
		<code>\</code>	1148, 1717, 2313
		<code>\</code>	1741, 1743, 1746, 1753
		<code>\</code>	1746
		<code>\</code>	1731, 1738, 1739, 1742, 1743, 1751, 1753
		<code>\</code>	1736, 1737, 1741, 1748
		<code>\</code>	1729, 1735, 1736, 1741, 1746, 1747
		<code>\</code>	1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1739

