



# The XePersian *Package*

Source documentation for [version 24.1](#)

to my Master, *Ferdowsi The Great*

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<https://github.com/kvafa/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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<https://github.com/kvafa/xepersian/discussions>

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# The XePersian *Package*

## Persian for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, using XeT<sub>E</sub>X engine

Source documentation for [version 24.1](#)

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## Contents

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

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37	File kashida-xepersian.def	33	52	File refrep-xepersian.def	53
38	File listings-xepersian.def	34	53	File report-xepersian.def	53
39	File loadingorder-xepersian.def	34	54	File scrartcl-xepersian.def	53
40	File localise-xepersian.def	35	55	File scrbook-xepersian.def	54
41	File memoir-xepersian.def	37	56	File scrreprt-xepersian.def	55
42	File latex-localise-messages-xepersian.def	37	57	File soul-xepersian.def	56
43	File minitoc-xepersian.def	37	58	File tkz-linknodes-xepersian.def	57
44	File latex-localise-misc-xepersian.def	37	59	File tocloft-xepersian.def	57
45	File natbib-xepersian.def	44	60	File varioref-xepersian.def	57
46	File packages-localise-xepersian.def	48	61	File xepersian.sty	59
47	File url-xepersian.def	51	62	File xepersian-magazine.cls	87
48	File persian-tex-text.map	51	63	File xepersian-mathdigitsspec.sty	103
49	File persian-tex-text-nonnumbers.map	52	64	File xepersian-multiplechoice.sty	110
50	File rapport1-xepersian.def	53	65	File xepersian-persiancal.sty	113
51	File rapport3-xepersian.def	53			

## 1 File algorithmic-xepersian.def

```

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

```

## 2 File algorithm-xepersian.def

```

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

```

## 3 File amsart-xepersian.def

```

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

```

## 4 File amsbook-xepersian.def

```

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

```



```

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

```

## 5 File appendix-xepersian.def

```

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

```

## 6 File article-xepersian.def

```

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

```

## 7 File artikel1-xepersian.def

```

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

```

## 8 File artikel2-xepersian.def

```

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

```

## 9 File artikel3-xepersian.def



```

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

```

## 10 File backref-xepersian.def

```

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

```

## 11 File beamer-xepersian.def

```

82 \ProvidesFile{beamer-xepersian.def}[2022/05/24 v0.1 xepersian changes to beamer class]
83 \usefonttheme[stillssansserifmath]{serif}

```

## 12 File beamerbasetranslator-xepersian.def

```

84 \ProvidesFile{beamerbasetranslator-xepersian.def}[2022/05/24 v0.1 xepersian changes to beamer]
85 \newcommand*\ProvideTranslation[2]{%
86   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
87 }
88
89 \ProvideTranslation{Theorem}{  }
90 \ProvideTranslation{Corollary}{  }
91 \ProvideTranslation{Fact}{  }
92 \ProvideTranslation{Lemma}{  }
93 \ProvideTranslation{Problem}{  }
94 \ProvideTranslation{Solution}{  }
95 \ProvideTranslation{Definition}{  }
96 \ProvideTranslation{Definitions}{  }
97 \ProvideTranslation{Example}{  }
98 \ProvideTranslation{Examples}{  }
99
100

```



### 13 File bidentuftsidenote-xepersian.def

```
101 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentuftsidenote]
102
103 \setLTRcitationfont{\resetlatinfont\footnotesize}
104
105 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
106
107 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
108
109
```

### 14 File bidimoderncv-xepersian.def

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

### 15 File boek3-xepersian.def

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

### 16 File boek-xepersian.def

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

### 17 File bookest-xepersian.def

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



```
141 }%end appendix
```

## 18 File book-xepersian.def

```
142 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
143 \renewcommand\frontmatter{%
144   \cleardoublepage
145   \@mainmatterfalse
146   \pagenumbering{harfi}}
147 \renewcommand \thepart {\@tartibi\c@part}
148 \renewcommand\appendix{\par
149   \setcounter{chapter}{0}%
150   \setcounter{section}{0}%
151   \gdef\@chapapp{\appendixname}%
152   \gdef\thechapter{\@harfi\c@chapter}
153 }%end appendix
```

## 19 File breqn-xepersian.def

```
154 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
155 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
156   \everydisplay\expandafter{\the\everydisplay \display@setup}%
157   \if@noskipsec \leavevmode \fi
158   \if@inlabel \leavevmode \global\@inlabelfalse \fi
159   \if\eq@group\else\eq@prelim\fi
160   \setkeys{breqn}{#1}%
161   \the\eqstyle
162   \eq@setnumber
163   \begingroup
164   \eq@setup@a
165   \eq@startup
166 }
167 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
168   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
169   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
170   \global\let\GRP@label\@empty
171   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
172   \global\grp@linewidth\z@\global\grp@wdNum\z@
173   \global\let\grp@eqs@numbered\@False
174   \global\let\grp@aligned\@True
175   \global\let\grp@shiftnumber\@False
176   \eq@prelim
177   \setkeys{breqn}{#1}%
178   \if\grp@hasNumber \grp@setnumber \fi
179 }
180 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
181   \let\display@setup\dseries@display@setup
182   % Question: should this be the default for dseries???
183   \global\eq@wdCond\z@
184   \@dmath[layout={M},#1]%
185   \mathsurround\z@\@math \penalty\@Mi
186   \let\endmath\ends@math
187   \def\premath{%
188     \ifdim\lastskip<.3em \unskip
```



```

189 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
190 }%
191 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
192 \ignorespaces
193 }

```

## 20 File latex-localise-commands-xepersian.def

```

194 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of
195 \eqcommand{ }{@arstrut}
196 \eqcommand{ }{above}
197 \eqcommand{ }{abovedisplaysshortskip}
198 \eqcommand{ }{abovedisplayskip}
199 \eqcommand{ }{abstractname}
200 \eqcommand{ }{accent}
201 \eqcommand{ }{active}
202 \eqcommand{ }{addcontentsline}
203 \eqcommand{ }{addpenalty}
204 \eqcommand{ }{address}
205 \eqcommand{ }{addtocontents}
206 \eqcommand{ }{addtocounter}
207 \eqcommand{ }{addtolength}
208 \eqcommand{ }{addvspace}
209 \eqcommand{ }{adjdemerits}
210 \eqcommand{ }{advance}
211 \eqcommand{ }{afterassignment}
212 \eqcommand{ }{aftergroup}
213 \eqcommand{ }{aleph}
214 \eqcommand{ }{aliasfontfeature}
215 \eqcommand{ }{aliasfontfeatureoption}
216 \eqcommand{ }{allowbreak}
217 \eqcommand{ @}{alloc@}
218 \eqcommand{ }{allocationnumber}
219 \eqcommand{ }{allowdisplaybreaks}
220 \eqcommand{ }{Alpha}
221 \eqcommand{ }{alph}
222 \eqcommand{ }{alsoname}
223 \eqcommand{ }{and}
224 \eqcommand{ }{angle}
225 \eqcommand{ }{appendixname}
226 \eqcommand{ }{approx}
227 \eqcommand{ }{arabic}
228 \eqcommand{ }{arg}
229 \eqcommand{ }{arrayrulecolor}
230 \eqcommand{ }{arraycolsep}
231 \eqcommand{ }{arrayrulewidth}
232 \eqcommand{ }{arraystretch}
233 \eqcommand{ }{AtBeginDocument}
234 \eqcommand{ }{AtEndDocument}
235 \eqcommand{ }{AtEndOfClass}
236 \eqcommand{ }{AtEndOfPackage}
237 \eqcommand{ }{author}
238 \eqcommand{ }{backmatter}
239 \eqcommand{ }{backslash}

```





```

240 \eqcommand{    }{badness}
241 \eqcommand{    }{bar}
242 \eqcommand{    }{baselineskip}
243 \eqcommand{    }{baselinestretch}
244 \eqcommand{    }{batchmode}
245 \eqcommand{    }{begin}
246 \eqcommand{    }{beginL}
247 \eqcommand{    }{beginR}
248 \eqcommand{    }{begingroup}
249 \eqcommand{    }{belowdisplaysshortskip}
250 \eqcommand{    }{belowdisplayskip}
251 \eqcommand{    }{bf}
252 \eqcommand{    }{bfdefault}
253 \eqcommand{    }{bfseries}
254 \eqcommand{    }{bgroup}
255 \eqcommand{    }{bibitem}
256 \eqcommand{    }{bibliography}
257 \eqcommand{    }{bibliographystyle}
258 \eqcommand{    }{bibname}
259 \eqcommand{    }{bigskip}
260 \eqcommand{    }{bigskipamount}
261 \eqcommand{    }{botfigrule}
262 \eqcommand{    }{botmark}
263 \eqcommand{    }{bottompageskip}
264 \eqcommand{    }{bottomfraction}
265 \eqcommand{    }{box}
266 \eqcommand{    }{boxmaxdepth}
267 \eqcommand{    }{break}
268 \eqcommand{    }{bullet}
269 \eqcommand{ @ }{@cclv}
270 \eqcommand{ @ }{@cclvi}
271 \eqcommand{    }{caption}
272 \eqcommand{    }{catcode}
273 \eqcommand{    }{cc}
274 \eqcommand{    }{ccname}
275 \eqcommand{    }{cdot}
276 \eqcommand{    }{cdots}
277 \eqcommand{    }{centering}
278 \eqcommand{    }{centerline}
279 \eqcommand{ @ }{@ch@ck}
280 \eqcommand{    }{chapter}
281 \eqcommand{    }{chaptername}
282 \eqcommand{    }{char}
283 \eqcommand{    }{chardef}
284 \eqcommand{    }{CheckCommand}
285 \eqcommand{    }{cite}
286 \eqcommand{    }{ClassError}
287 \eqcommand{    }{ClassInfo}
288 \eqcommand{    }{ClassWarning}
289 \eqcommand{    }{ClassWarningNoLine}
290 \eqcommand{    }{cleaders}
291 \eqcommand{    }{cleardoublepage}
292 \eqcommand{    }{clearpage}
293 \eqcommand{    }{cline}

```



```

294 \eqcommand{      }{closein}
295 \eqcommand{      }{closeout}
296 \eqcommand{    }{closing}
297 \eqcommand{      }{clubpenalty}
298 \eqcommand{  }{clubsuit}
299 \eqcommand{      }{colbotmark}
300 \eqcommand{      }{colfirstmark}
301 \eqcommand{  }{color}
302 \eqcommand{    }{colorbox}
303 \eqcommand{      }{coltopmark}
304 \eqcommand{    }{columncolor}
305 \eqcommand{    }{columnsep}
306 \eqcommand{    }{columnwidth}
307 \eqcommand{    }{columnseprule}
308 \eqcommand{    }{contentsline}
309 \eqcommand{      }{contentsname}
310 \eqcommand{  }{copy}
311 \eqcommand{    }{copyright}
312 \eqcommand{  }{count}
313 \eqcommand{ @ }{count@}
314 \eqcommand{    }{countdef}
315 \eqcommand{  }{cr}
316 \eqcommand{  }{crrcr}
317 \eqcommand{    }{csname}
318 \eqcommand{    }{CurrentOption}
319 \eqcommand{    }{dashbox}
320 \eqcommand{    }{dashv}
321 \eqcommand{@ }{@date}
322 \eqcommand{  }{date}
323 \eqcommand{  }{day}
324 \eqcommand{      }{dblbotfigrule}
325 \eqcommand{    }{dblbottomfraction}
326 \eqcommand{      }{dblfigrule}
327 \eqcommand{    }{dblfloatpagefraction}
328 \eqcommand{    }{dblfloatsep}
329 \eqcommand{    }{dblftntlocatecode}
330 \eqcommand{    }{dbltextfloatsep}
331 \eqcommand{    }{dbltopfraction}
332 \eqcommand{    }{DeclareFixedFont}
333 \eqcommand{    }{DeclareGraphicsExtensions}
334 \eqcommand{    }{DeclareGraphicsRule}
335 \eqcommand{    }{DeclareOldFontCommand}
336 \eqcommand{    }{DeclareOption}
337 \eqcommand{    }{DeclareRobustCommand}
338 \eqcommand{    }{DeclareSymbolFont}
339 \eqcommand{    }{deadcycles}
340 \eqcommand{  }{def}
341 \eqcommand{ @ }{define@key}
342 \eqcommand{    }{definecolor}
343 \eqcommand{  }{deg}
344 \eqcommand{    }{delcode}
345 \eqcommand{    }{delimiter}
346 \eqcommand{    }{delimiterfactor}
347 \eqcommand{  }{depth}

```



```

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

```



```

402 \eqcommand{ }{eqref}
403 \eqcommand{ }{errhelp}
404 \eqcommand{ }{errmessage}
405 \eqcommand{ }{errorcontextlines}
406 \eqcommand{ }{errorstopmode}
407 \eqcommand{ }{escapechar}
408 \eqcommand{ }{euro}
409 \eqcommand{ }{evensidemargin}
410 \eqcommand{ }{everycr}
411 \eqcommand{ }{everydisplay}
412 \eqcommand{ }{everyhbox}
413 \eqcommand{ }{everyjob}
414 \eqcommand{ }{everymath}
415 \eqcommand{ }{everypar}
416 \eqcommand{ }{everyvbox}
417 \eqcommand{ }{ExecuteOptions}
418 \eqcommand{ }{exhyphenpenalty}
419 \eqcommand{ }{expandafter}
420 \eqcommand{ }{extracolsep}
421 \eqcommand{@ }{@firstofone}
422 \eqcommand{@ }{@firstoftwo}
423 \eqcommand{ @ }{f@ur}
424 \eqcommand{ }{fam}
425 \eqcommand{ }{fancypage}
426 \eqcommand{ }{fbox}
427 \eqcommand{ }{fboxrule}
428 \eqcommand{ }{fboxsep}
429 \eqcommand{ }{fcolorbox}
430 \eqcommand{ }{fi}
431 \eqcommand{ }{figurename}
432 \eqcommand{ }{filbreak}
433 \eqcommand{ }{fill}
434 \eqcommand{ }{firstmark}
435 \eqcommand{ }{flat}
436 \eqcommand{ }{floatpagefraction}
437 \eqcommand{ }{floatingpenalty}
438 \eqcommand{ }{floatsep}
439 \eqcommand{ }{flushbottom}
440 \eqcommand{ }{fmtname}
441 \eqcommand{ }{fmtversion}
442 \eqcommand{ }{fnsymbol}
443 \eqcommand{ }{font}
444 \eqcommand{ }{fontdimen}
445 \eqcommand{ }{fontencoding}
446 \eqcommand{ }{fontfamily}
447 \eqcommand{ }{fontname}
448 \eqcommand{ }{fontseries}
449 \eqcommand{ }{fontshape}
450 \eqcommand{ }{fontsize}
451 \eqcommand{ }{footheight}
452 \eqcommand{ }{footins}
453 \eqcommand{ }{footnote}
454 \eqcommand{ }{footnotemark}
455 \eqcommand{ }{footnoterule}

```



```

456 \eqcommand{      }{\footnotesep}
457 \eqcommand{      }{\footnotesize}
458 \eqcommand{      }{\footnotetext}
459 \eqcommand{      }{\footskip}
460 \eqcommand{ }{\frame}
461 \eqcommand{      }{\framebox}
462 \eqcommand{      }{\frenchspacing}
463 \eqcommand{      }{\frontmatter}
464 \eqcommand{      }{\futurelet}
465 \eqcommand{@      }{@gobble}
466 \eqcommand{@      }{@gobbletwo}
467 \eqcommand{@      }{@gobblefour}
468 \eqcommand{@      }{@gtempa}
469 \eqcommand{@      }{@gtempb}
470 \eqcommand{ }{gdef}
471 \eqcommand{      }{GenericInfo}
472 \eqcommand{      }{GenericWarning}
473 \eqcommand{      }{GenericError}
474 \eqcommand{ }{global}
475 \eqcommand{      }{globaldefs}
476 \eqcommand{      }{glossary}
477 \eqcommand{      }{glossaryentry}
478 \eqcommand{      }{goodbreak}
479 \eqcommand{      }{graphpaper}
480 \eqcommand{      }{guillemotleft}
481 \eqcommand{      }{guillemotright}
482 \eqcommand{      }{guilsinglleft}
483 \eqcommand{      }{guilsinglright}
484 \eqcommand{ }{halign}
485 \eqcommand{ }{hang}
486 \eqcommand{      }{hangafter}
487 \eqcommand{      }{hangindent}
488 \eqcommand{      }{hbadness}
489 \eqcommand{ }{hbox}
490 \eqcommand{      }{headheight}
491 \eqcommand{      }{headsep}
492 \eqcommand{      }{headtoname}
493 \eqcommand{ }{heartsuit}
494 \eqcommand{ }{height}
495 \eqcommand{ }{hfil}
496 \eqcommand{ }{hfill}
497 \eqcommand{      }{hfilneg}
498 \eqcommand{      }{hfuzz}
499 \eqcommand{      }{hideskip}
500 \eqcommand{      }{hidewidth}
501 \bidi@csletcs{ }{hline}% this is an exception
502 \eqcommand{      }{hoffset}
503 \eqcommand{      }{holdinginserts}
504 \eqcommand{      }{hrboxsep}
505 \eqcommand{ }{hrule}
506 \eqcommand{      }{hrulefill}
507 \eqcommand{      }{hsize}
508 \eqcommand{      }{hskip}
509 \eqcommand{      }{hspace}

```



```

510 \eqcommand{ }{hss}
511 \eqcommand{ }{ht}
512 \eqcommand{ }{huge}
513 \eqcommand{ }{Huge}
514 \eqcommand{ }{hyperlink}
515 \eqcommand{ }{hypersetup}
516 \eqcommand{ }{hypertarget}
517 \eqcommand{ }{hyphenation}
518 \eqcommand{ }{hyphenchar}
519 \eqcommand{ }{hyphenpenalty}
520 \eqcommand{@ }{@ifclassloaded}
521 \eqcommand{@ }{@ifdefinable}
522 \eqcommand{@ }{@ifnextchar}
523 \eqcommand{@ }{@ifpackageloaded}
524 \eqcommand{@ }{@ifstar}
525 \eqcommand{@ }{@ifundefined}
526 \eqcommand{ }{if}
527 \eqcommand{ @ }{if@tempswa}
528 \eqcommand{ }{ifcase}
529 \eqcommand{ }{ifcat}
530 \eqcommand{ }{ifdefined}
531 \eqcommand{ }{ifdim}
532 \eqcommand{ }{ifeof}
533 \eqcommand{ }{iff}
534 \eqcommand{ }{iffalse}
535 \eqcommand{ }{IfFileExists}
536 \eqcommand{ }{ifhbox}
537 \eqcommand{ }{ifhmode}
538 \eqcommand{ }{ifinner}
539 \eqcommand{ }{ifmmode}
540 \eqcommand{ }{ifnum}
541 \eqcommand{ }{ifodd}
542 \eqcommand{ }{ifthenelse}
543 \eqcommand{ }{iftrue}
544 \eqcommand{ }{ifvbox}
545 \eqcommand{ }{ifvmode}
546 \eqcommand{ }{ifvoid}
547 \eqcommand{ }{ifx}
548 \eqcommand{ }{ignorespaces}
549 \eqcommand{ }{immediate}
550 \eqcommand{ }{include}
551 \eqcommand{ }{includegraphics}
552 \eqcommand{ }{includeonly}
553 \eqcommand{ }{indent}
554 \eqcommand{ }{index}
555 \eqcommand{ }{indexentry}
556 \eqcommand{ }{indexname}
557 \eqcommand{ }{indexspace}
558 \eqcommand{ }{input}
559 \eqcommand{ }{InputIfFileExists}
560 \eqcommand{ }{inputlineno}
561 \eqcommand{ }{insert}
562 \eqcommand{ }{insertpenalties}
563 \eqcommand{ }{interfootnotelinepenalty}

```



```

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

```



```

618 \eqcommand{ }{\linebreak}
619 \eqcommand{ }{\linepenalty}
620 \eqcommand{ }{\lineskip}
621 \eqcommand{ }{\lineskiplimit}
622 \eqcommand{ }{\linespread}
623 \eqcommand{ }{\linethickness}
624 \eqcommand{ }{\linewidth}
625 \eqcommand{ }{\listfigurename}
626 \eqcommand{ }{\listfiles}
627 \eqcommand{ }{\listofffigures}
628 \eqcommand{ }{\listoftables}
629 \eqcommand{ }{\listparindent}
630 \eqcommand{ }{\listtablename}
631 \eqcommand{ }{\LoadClass}
632 \eqcommand{ }{\LoadClassWithOptions}
633 \eqcommand{ }{\location}
634 \eqcommand{ }{\long}
635 \eqcommand{ }{\looseness}
636 \eqcommand{ }{\lower}
637 \eqcommand{@ }{@makeother}
638 \eqcommand{@ }{@m}
639 \eqcommand{@ }{@M}
640 \eqcommand{@ }{@Mi}
641 \eqcommand{@ }{@Mii}
642 \eqcommand{@ }{@Miii}
643 \eqcommand{@ }{@Miv}
644 \eqcommand{@ }{@MM}
645 \eqcommand{@ }{@mOne}
646 \eqcommand{ }{\mag}
647 \eqcommand{ }{\magstep}
648 \eqcommand{ }{\magstephalf}
649 \eqcommand{ }{\mainmatter}
650 \eqcommand{ }{\makeatletter}
651 \eqcommand{ }{\makeatother}
652 \eqcommand{ }{\makebox}
653 \eqcommand{ }{\makeglossary}
654 \eqcommand{ }{\makeindex}
655 \eqcommand{ }{\makelabel}
656 \eqcommand{ }{\makelabels}
657 \eqcommand{ }{\MakeLowercase}
658 \eqcommand{ }{\maketitle}
659 \eqcommand{ }{\MakeUppercase}
660 \eqcommand{ }{\marginpar}
661 \eqcommand{ }{\marginparpush}
662 \eqcommand{ }{\marginparsep}
663 \eqcommand{ }{\marginparwidth}
664 \eqcommand{ }{\mark}
665 \eqcommand{ }{\markboth}
666 \eqcommand{ }{\markright}
667 \eqcommand{ }{\mathaccent}
668 \eqcommand{ }{\mathchar}
669 \eqcommand{ }{\mathchardef}
670 \eqcommand{ }{\mathcode}
671 \eqcommand{ }{\mathrm}

```





```

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

```



```

726 \eqcommand{    }\{newread\}
727 \eqcommand{    }\{newsavebox\}
728 \eqcommand{    }\{newskip\}
729 \eqcommand{    }\{newtheorem\}
730 \eqcommand{    }\{newtoks\}
731 \eqcommand{    }\{newwrite\}
732 \eqcommand{    }\{noalign\}
733 \eqcommand{    }\{nobreak\}
734 \eqcommand{    }\{nobreakspace\}
735 \eqcommand{    }\{nocite\}
736 \eqcommand{    }\{noexpand\}
737 \eqcommand{    }\{nofiles\}
738 \eqcommand{    }\{noindent\}
739 \eqcommand{    }\{nointerlineskip\}
740 \eqcommand{    }\{nolimits\}
741 \eqcommand{    }\{nolinebreak\}
742 \eqcommand{    }\{nonstopmode\}
743 \eqcommand{    }\{nonfrenchspacing\}
744 \eqcommand{    }\{nonumber\}
745 \eqcommand{    }\{nopagebreak\}
746 \eqcommand{    }\{normalbaselines\}
747 \eqcommand{    }\{normalbaselineskip\}
748 \eqcommand{    }\{normalcolor\}
749 \eqcommand{    }\{normalfont\}
750 \eqcommand{    }\{normallineskip\}
751 \eqcommand{    }\{normallineskiplimit\}
752 \eqcommand{    }\{normalmarginpar\}
753 \eqcommand{    }\{normalsize\}
754 \eqcommand{    }\{notag\}
755 \eqcommand{    }\{null\}
756 \eqcommand{    }\{nullfont\}
757 \eqcommand{    }\{number\}
758 \eqcommand{    }\{numberline\}
759 \eqcommand{    }\{numberwithin\}
760 \eqcommand{    }\{@evenfoot\}
761 \eqcommand{    }\{@evenhead\}
762 \eqcommand{    }\{@oddfoot\}
763 \eqcommand{    }\{@oddhead\}
764 \eqcommand{    }\{@outeqntrue\}
765 \eqcommand{    }\{@outeqnfalse\}
766 \eqcommand{    }\{obeylines\}
767 \eqcommand{    }\{obeyspaces\}
768 \eqcommand{    }\{oddsidemargin\}
769 \eqcommand{    }\{offinterlineskip\}
770 \eqcommand{    }\{omit\}
771 \eqcommand{@    }\{@onlypreamble\}
772 \eqcommand{    }\{onecolumn\}
773 \eqcommand{    }\{onlynotes\}
774 \eqcommand{    }\{onlyslides\}
775 \eqcommand{    }\{openin\}
776 \eqcommand{    }\{openout\}
777 \eqcommand{    }\{OptionNotUsed\}
778 \eqcommand{    }\{or\}
779 \eqcommand{    }\{outer\}

```



```

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

```



```

834 \eqcommand{      }{ProcessOptions}
835 \eqcommand{ }{protect}
836 \eqcommand{      }{providecommand}
837 \eqcommand{      }{ProvidesClass}
838 \eqcommand{      }{ProvidesFile}
839 \eqcommand{      }{ProvidesPackage}
840 \eqcommand{      }{pushtabs}
841 \eqcommand{ }{quad}
842 \eqcommand{      }{qquad}
843 \eqcommand{@      }{@outputpagerestore}
844 \eqcommand{      }{radical}
845 \eqcommand{      }{raggedbottom}
846 \eqcommand{      }{raggedleft}
847 \eqcommand{      }{raggedright}
848 \eqcommand{      }{raise}
849 \eqcommand{      }{raisebox}
850 \eqcommand{      }{raisetag}
851 \eqcommand{      }{rangle}
852 \eqcommand{ }{rceil}
853 \eqcommand{      }{read}
854 \eqcommand{      }{ref}
855 \eqcommand{      }{reflectbox}
856 \eqcommand{      }{refname}
857 \eqcommand{      }{refstepcounter}
858 \eqcommand{ }{relax}
859 \eqcommand{      }{removelastskip}
860 \eqcommand{      }{renewcommand}
861 \eqcommand{      }{renewenvironment}
862 \eqcommand{      }{RequirePackage}
863 \eqcommand{      }{RequirePackageWithOptions}
864 \eqcommand{      }{resizebox}
865 \eqcommand{      }{reversemarginpar}
866 \eqcommand{ }{rfloor}
867 \eqcommand{      }{right}
868 \eqcommand{      }{rightmargin}
869 \eqcommand{      }{rightmark}
870 \eqcommand{      }{rightpageskip}
871 \eqcommand{      }{rightskip}
872 \eqcommand{      }{rmdefault}
873 \eqcommand{      }{rmfamily}
874 \eqcommand{      }{Roman}
875 \eqcommand{      }{roman}
876 \eqcommand{      }{romannumeral}
877 \eqcommand{      }{rotatebox}
878 \eqcommand{      }{rowcolor}
879 \eqcommand{ }{rule}
880 \eqcommand{@      }{@secondoftwo}
881 \eqcommand{@      }{@spaces}
882 \eqcommand{      }{samepage}
883 \eqcommand{      }{savebox}
884 \eqcommand{      }{sbox}
885 \eqcommand{      }{scalebox}
886 \eqcommand{      }{scdefault}
887 \eqcommand{      }{scshape}

```



```

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

```



```

942 \eqcommand{ }{spaceskip}
943 \eqcommand{ }{spadesuit}
944 \eqcommand{ }{span}
945 \eqcommand{ }{special}
946 \eqcommand{ }{splitmaxdepth}
947 \eqcommand{ }{splittopskip}
948 \eqcommand{ }{star}
949 \eqcommand{ }{stepcounter}
950 \eqcommand{ }{stretch}
951 \eqcommand{ }{string}
952 \eqcommand{ }{strut}
953 \eqcommand{ }{strutbox}
954 \eqcommand{ }{subitem}
955 \eqcommand{ }{subparagraph}
956 \eqcommand{ }{subsection}
957 \eqcommand{ }{substack}
958 \eqcommand{ }{subsubitem}
959 \eqcommand{ }{subsubsection}
960 \eqcommand{ }{subset}
961 \eqcommand{ }{subseteq}
962 \eqcommand{ }{supereject}
963 \eqcommand{ }{suppressfloats}
964 \eqcommand{@ }{@tempa}
965 \eqcommand{@ }{@tempb}
966 \eqcommand{@ }{@tempc}
967 \eqcommand{@ }{@tempd}
968 \eqcommand{@ }{@tempe}
969 \eqcommand{@ }{@tempboxa}
970 \eqcommand{@ }{@tempcnta}
971 \eqcommand{@ }{@tempcntb}
972 \eqcommand{@ }{@tempdima}
973 \eqcommand{@ }{@tempdimb}
974 \eqcommand{@ }{@tempdimc}
975 \eqcommand{@ }{@tempskipa}
976 \eqcommand{@ }{@tempskipb}
977 \eqcommand{@ }{@tempswafalse}
978 \eqcommand{@ }{@tempswatruel}
979 \eqcommand{@ }{@temptokena}
980 \eqcommand{ }{@thefnmark}
981 \eqcommand{@ }{@thirdofthree}
982 \eqcommand{ }{tabbingsep}
983 \eqcommand{ }{tabcolsep}
984 \eqcommand{ }{tableofcontents}
985 \eqcommand{ }{tablename}
986 \eqcommand{ }{tabskip}
987 \eqcommand{ }{tabularnewline}
988 \eqcommand{ }{tag}
989 \eqcommand{ }{telephone}
990 \eqcommand{ }{TeX}
991 \eqcommand{ }{text}
992 \eqcommand{ }{textbullet}
993 \eqcommand{ }{textfont}
994 \eqcommand{ }{textendash}
995 \eqcommand{ }{textendash}

```



```

996 \eqcommand{ }{textexclamdown}
997 \eqcommand{ }{textperiodcentered}
998 \eqcommand{ }{textquestiondown}
999 \eqcommand{ }{textquotedblleft}
1000 \eqcommand{ }{textquotedblright}
1001 \eqcommand{ }{textquotelleft}
1002 \eqcommand{ }{textquoteright}
1003 \eqcommand{ }{textvisiblespace}
1004 \eqcommand{ }{textbackslash}
1005 \eqcommand{ }{textbar}
1006 \eqcommand{ }{textgreater}
1007 \eqcommand{ }{textless}
1008 \eqcommand{ }{textbf}
1009 \eqcommand{ }{textcircled}
1010 \eqcommand{ }{textcolor}
1011 \eqcommand{ }{textcompwordmark}
1012 \eqcommand{ }{textfloatsep}
1013 \eqcommand{ }{textfraction}
1014 \eqcommand{ }{textheight}
1015 \eqcommand{ }{textindent}
1016 \eqcommand{ }{textit}
1017 \eqcommand{ }{textmd}
1018 \eqcommand{ }{textnormal}
1019 \eqcommand{ }{textregistered}
1020 \eqcommand{ }{textrm}
1021 \eqcommand{ }{textsc}
1022 \eqcommand{ }{textsf}
1023 \eqcommand{ }{textsl}
1024 \eqcommand{ }{textstyle}
1025 \eqcommand{ }{textsuperscript}
1026 \eqcommand{ }{texttrademark}
1027 \eqcommand{ }{texttt}
1028 \eqcommand{ }{textup}
1029 \eqcommand{ }{textwidth}
1030 \eqcommand{ }{thanks}
1031 \eqcommand{ }{the}
1032 \eqcommand{ }{thempfn}
1033 \eqcommand{ }{thicklines}
1034 \eqcommand{ }{thickmuskip}
1035 \eqcommand{ }{thinmuskip}
1036 \eqcommand{ }{thickspace}
1037 \eqcommand{ }{thinlines}
1038 \eqcommand{ }{thinspace}
1039 \eqcommand{ }{thisfancypage}
1040 \eqcommand{ }{thispagestyle}
1041 \eqcommand{ @}{thr@@}
1042 \eqcommand{ }{tilde}
1043 \eqcommand{ }{tiny}
1044 \eqcommand{ }{time}
1045 \eqcommand{ }{times}
1046 \eqcommand{ }{title}
1047 \eqcommand{ }{to}
1048 \eqcommand{ }{today}
1049 \eqcommand{ }{toks}

```



```

1050 \eqcommand{      }{toksdef}
1051 \eqcommand{      }{tolerance}
1052 \eqcommand{      }{top}
1053 \eqcommand{      }{topfigrule}
1054 \eqcommand{      }{topfraction}
1055 \eqcommand{      }{topmargin}
1056 \eqcommand{      }{topmark}
1057 \eqcommand{      }{toppageskip}
1058 \eqcommand{      }{topsep}
1059 \eqcommand{      }{topskip}
1060 \eqcommand{      }{totalheight}
1061 \eqcommand{      }{tracingall}
1062 \eqcommand{      }{tracingcommands}
1063 \eqcommand{      }{tracinglostchars}
1064 \eqcommand{      }{tracingmacros}
1065 \eqcommand{      }{tracingonline}
1066 \eqcommand{      }{tracingoutput}
1067 \eqcommand{      }{tracingpages}
1068 \eqcommand{      }{tracingparagraphs}
1069 \eqcommand{      }{tracingrestores}
1070 \eqcommand{      }{tracingstats}
1071 \eqcommand{      }{triangle}
1072 \eqcommand{      }{ttdefault}
1073 \eqcommand{      }{ttfamily}
1074 \eqcommand{      }{@}{tw@}
1075 \eqcommand{      }{twocolumn}
1076 \eqcommand{      }{typein}
1077 \eqcommand{      }{typeout}
1078 \eqcommand{      }{uccode}
1079 \eqcommand{      }{uchyph}
1080 \eqcommand{      }{underline}
1081 \eqcommand{      }{unhbox}
1082 \eqcommand{      }{unhcopy}
1083 \eqcommand{      }{unitlength}
1084 \eqcommand{      }{unkern}
1085 \eqcommand{      }{unpenalty}
1086 \eqcommand{      }{unskip}
1087 \eqcommand{      }{unvbox}
1088 \eqcommand{      }{unvcopy}
1089 \eqcommand{      }{updefault}
1090 \eqcommand{      }{upshape}
1091 \eqcommand{      }{usebox}
1092 \eqcommand{      }{usecounter}
1093 \eqcommand{      }{usefont}
1094 \eqcommand{      }{usepackage}
1095 \eqcommand{@      }{@}{vobeyspaces}
1096 \eqcommand{@      }{@}{void}
1097 \eqcommand{      }{vadjust}
1098 \eqcommand{      }{valign}
1099 \eqcommand{      }{value}
1100 \eqcommand{      }{vbadness}
1101 \eqcommand{      }{vbox}
1102 \eqcommand{      }{vcenter}
1103 \eqcommand{      }{verb}

```





```

1104 \eqcommand{ }{vfil}
1105 \eqcommand{ }{vfill}
1106 \eqcommand{ }{vfilneg}
1107 \eqcommand{ }{vfuzz}
1108 \eqcommand{ }{visible}
1109 \eqcommand{ }{vline}
1110 \eqcommand{ }{voffset}
1111 \eqcommand{ @ }{voidb@x}
1112 \eqcommand{ }{vpageref}
1113 \eqcommand{ }{vrboxsep}
1114 \eqcommand{ }{vref}
1115 \eqcommand{ }{vrule}
1116 \eqcommand{ }{vsize}
1117 \eqcommand{ }{vskip}
1118 \eqcommand{ }{vspace}
1119 \eqcommand{ }{vsplit}
1120 \eqcommand{ }{vss}
1121 \eqcommand{ }{vtop}
1122 \eqcommand{ }{wd}
1123 \eqcommand{ }{whiledo}
1124 \eqcommand{ }{widehat}
1125 \eqcommand{ }{widetilde}
1126 \eqcommand{ }{widowpenalty}
1127 \eqcommand{ }{width}
1128 \eqcommand{ }{wlog}
1129 \eqcommand{ }{write}
1130 \eqcommand{@ }{xobeysp}
1131 \eqcommand{ @ }{@xxxii}
1132 \eqcommand{ }{xdef}
1133 \eqcommand{ }{xleaders}
1134 \eqcommand{ }{xspaceskip}
1135 \eqcommand{ }{year}
1136 \eqcommand{@ }{z@}
1137 \eqcommand{@ }{z@skip}

```

## 21 File color-localise-xepersian.def

```

1138 color} \localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1139 0}{rgb}{ } \0,,0}
1140 1}{rgb}{ } \1,,1}
1141 1}{rgb}{ } \0,,0}
1142 0}{rgb}{ } \1,,0}
1143 0}{rgb}{ } \0,,1}
1144 1}{cmyk}{ } \0,,0,0}
1145 0}{cmyk}{ } \1,,0,0}
1146 0}{cmyk}{ } \0,,1,0}

```

## 22 File xepersian-localise-commands-xepersian.def

```

1147 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1148 \eqcommand{ }{autofootnoterule}
1149 \eqcommand{ }{AutoMathDigits}
1150 \eqcommand{ }{DefaultMathDigits}
1151 \eqcommand{ @ }{keyval@eq@alias@key}

```



```

1152 \eqcommand{      }{\deflatinfont}
1153 \eqcommand{      }{\defpersianfont}
1154 \eqcommand{      }{\hboxL}
1155 \eqcommand{      }{\hboxR}
1156 \eqcommand{      }{\Latincite}
1157 \eqcommand{      }{\latinfont}
1158 \eqcommand{      }{\latintoday}
1159 \eqcommand{      }{\leftfootnoterule}
1160 \eqcommand{      }{\lr}
1161 \eqcommand{      }{\LRE}
1162 \eqcommand{      }{\LTRdblcol}
1163 \eqcommand{      }{\LTRfootnote}
1164 \eqcommand{      }{\LTRfootnotetext}
1165 \eqcommand{      }{\LTRthanks}
1166 \eqcommand{      }{\persianday}
1167 \eqcommand{      }{\persianfont}
1168 \eqcommand{      }{\PersianMathDigits}
1169 \eqcommand{      }{\persianmonth}
1170 \eqcommand{      }{\persianyear}
1171 \eqcommand{      }{\plq}
1172 \eqcommand{      }{\prq}
1173 \eqcommand{      }{\rightfootnoterule}
1174 \eqcommand{      }{\rl}
1175 \eqcommand{      }{\RLE}
1176 \eqcommand{      }{\RTLdblcol}
1177 \eqcommand{      }{\RTLfootnote}
1178 \eqcommand{      }{\RTLfootnotetext}
1179 \eqcommand{      }{\RTLthanks}
1180 \eqcommand{@      }{\@SepMark}
1181 \eqcommand{      }{\SepMark}
1182 \eqcommand{      }{\setdefaultbibitems}
1183 \eqcommand{      }{\setdefaultmarginpar}
1184 \eqcommand{      }{\setmathdigitfont}
1185 \eqcommand{      }{\setfootnoteLR}
1186 \eqcommand{      }{\setfootnoteRL}
1187 \eqcommand{      }{\setlatintextfont}
1188 \eqcommand{      }{\setLTR}
1189 \eqcommand{      }{\setLTRbibitems}
1190 \eqcommand{      }{\setLTRmarginpar}
1191 \eqcommand{      }{\setRTL}
1192 \eqcommand{      }{\setRTLbibitems}
1193 \eqcommand{      }{\setRTLmarginpar}
1194 \eqcommand{      }{\settextfont}
1195 \eqcommand{      }{\textwidthfootnoterule}
1196 \eqcommand{      }{\twocolumnstableofcontents}
1197 \eqcommand{      }{\unsetfootnoteRL}
1198 \eqcommand{      }{\unsetLTR}
1199 \eqcommand{      }{\unsetRTL}
1200 \eqcommand{      }{\vboxL}
1201 \eqcommand{      }{\vboxR}
1202 \eqcommand{      }{\XeLaTeX}
1203 \eqcommand{      }{\XePersian}
1204 \eqcommand{      }{\xepersianversion}
1205 \eqcommand{      }{\xepersiandate}

```



1206 \eqcommand{ }{XeTeX}

## 23 File enumerate-xepersian.def

```

1207 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1208 \def\@enloop@{%
1209   \ifx \entemp@ \def\@tempa{\@enLabel\harfi } \else
1210   \ifx \entemp@ \def\@tempa{\@enLabel\adadi } \else
1211   \ifx \entemp@ \def\@tempa{\@enLabel\tartibi } \else
1212   \ifx \A@\entemp \def\@tempa{\@enLabel\Alph } \else
1213   \ifx \a@\entemp \def\@tempa{\@enLabel\alph } \else
1214   \ifx \i@\entemp \def\@tempa{\@enLabel\roman } \else
1215   \ifx \I@\entemp \def\@tempa{\@enLabel\Roman } \else
1216   \ifx \i@\entemp \def\@tempa{\@enLabel\arabic} \else
1217   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1218   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1219   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1220   \let\@tempa\@enOther
1221   \@enhook
1222   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1223   \@tempa}

```

## 24 File enumitem-xepersian.def

```

1224 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1225 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1226 \AddEnumerateCounter*\adadi\@adadi{999999999}
1227 \AddEnumerateCounter\harfi\@harfi{ }
1228 \AddEnumerateCounter\Abjad\@Abjad{ }
1229 \AddEnumerateCounter\abjad\@abjad{ }
1230 \SetEnumerateShortLabel{ }\@tartibi*}
1231 \SetEnumerateShortLabel{ }\@adadi*}
1232 \SetEnumerateShortLabel{ }\@harfi*}
1233 \SetEnumerateShortLabel{ }\@Abjad*}
1234 \SetEnumerateShortLabel{ }\@abjad*}

```

## 25 File latex-localise-environments-xepersian.def

```

1235 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation]
1236 \eqenvironment{   }{abstract}
1237 \eqenvironment{   }{appendix}
1238 \eqenvironment{   }{array}
1239 \eqenvironment{   }{center}
1240 \eqenvironment{   }{description}
1241 \eqenvironment{     }{displaymath}
1242 \eqenvironment{   }{document}
1243 \eqenvironment{   }{enumerate}
1244 \eqenvironment{ }{figure}
1245 \eqenvironment{ *}{figure*}
1246 \eqenvironment{   }{filecontents}
1247 \eqenvironment{     *}{filecontents*}
1248 \eqenvironment{   }{flushleft}
1249 \eqenvironment{   }{flushright}
1250 \eqenvironment{   }{itemize}

```



```

1251 \eqenvironment{ }{letter}
1252 \eqenvironment{ }{list}
1253 \eqenvironment{ }{longtable}
1254 \eqenvironment{ }{lrbox}
1255 \eqenvironment{ }{math}
1256 \eqenvironment{ }{matrix}
1257 \eqenvironment{ }{minipage}
1258 \eqenvironment{ }{multline}
1259 \eqenvironment{ }{note}
1260 \eqenvironment{ }{overlay}
1261 \eqenvironment{ }{picture}
1262 \eqenvironment{ }{quotation}
1263 \eqenvironment{ }{quote}
1264 \eqenvironment{ }{slide}
1265 \eqenvironment{ }{sloppypar}
1266 \eqenvironment{ }{split}
1267 \eqenvironment{ }{subarray}
1268 \eqenvironment{ }{tabbing}
1269 \eqenvironment{ }{table}
1270 \eqenvironment{ *}{table*}
1271 \eqenvironment{ }{tabular}
1272 \eqenvironment{ *}{tabular*}
1273 \eqenvironment{ }{thebibliography}
1274 \eqenvironment{ }{theindex}
1275 \eqenvironment{ }{titlepage}
1276 \eqenvironment{ }{trivlist}
1277 \eqenvironment{ }{verse}

```

## 26 File xepersian-localise-environments-xepersian.def

```

1278 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1279 \eqenvironment{ }{latin}
1280 \eqenvironment{ }{LTR}
1281 \eqenvironment{ }{LTRitems}
1282 \eqenvironment{ }{modernpoem}
1283 \eqenvironment{ *}{modernpoem*}
1284 \eqenvironment{ }{persian}
1285 \eqenvironment{ }{RTL}
1286 \eqenvironment{ }{RTLitems}
1287 \eqenvironment{ }{traditionalpoem}
1288 \eqenvironment{ *}{traditionalpoem*}

```

## 27 File extarticle-xepersian.def

```

1289 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1290 \renewcommand\thepart { \@tartibi\c@part}
1291 \renewcommand\appendix{\par
1292 \setcounter{section}{0}%
1293 \setcounter{subsection}{0}%
1294 \gdef\thesection{\@harfi\c@section}}

```

## 28 File extbook-xepersian.def

```

1295 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]

```



```

1296 \renewcommand\frontmatter{%
1297     \cleardoublepage
1298     \@mainmatterfalse
1299     \pagenumbering{harfi}}
1300 \renewcommand \thepart {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302     \setcounter{chapter}{0}%
1303     \setcounter{section}{0}%
1304     \gdef\@chapapp{\appendixname}%
1305     \gdef\thechapter{\@harfi\c@chapter}
1306 }%end appendix

```

## 29 File extrafootnotefeatures-xepersian.def

```

1307 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extra
1308 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1309 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1310 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

## 30 File extreport-xepersian.def

```

1311 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1312 \renewcommand\thepart {\@tartibi\c@part}
1313 \renewcommand\appendix{\par
1314     \setcounter{chapter}{0}%
1315     \setcounter{section}{0}%
1316     \gdef\@chapapp{\appendixname}%
1317     \gdef\thechapter{\@harfi\c@chapter}}

```

## 31 File fancyref-xepersian.def

```

1318 \ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package]
1319 \renewcommand*{\Frefchapname}{\chaptername}
1320 \renewcommand*{\Frefenumname}{\%
1321     \if@RTL
1322     \%
1323     \else
1324         Item\%
1325     \fi
1326 }
1327 \renewcommand*{\Frefeqname}{\%
1328     \if@RTL
1329     \%
1330     \else
1331         Equation\%
1332     \fi
1333 }
1334 \renewcommand*{\Freffigname}{\figurename}
1335 \renewcommand*{\Freffnname}{\%
1336     \if@RTL
1337     \%
1338     \else
1339         Footnote\%
1340     \fi

```



```

1341 }
1342 \renewcommand*{\Frefonname}{%
1343   \if@RTL
1344 %
1345   \else
1346     On%
1347   \fi
1348 }
1349 \renewcommand*{\Frefpgname}{\pagename}
1350 \renewcommand*{\Frefsecname}{%
1351   \if@RTL
1352 %
1353   \else
1354     Section%
1355   \fi
1356 }
1357 \renewcommand*{\Frefseenname}{%
1358   \if@RTL
1359 %
1360   \else
1361     See%
1362   \fi
1363 }
1364 \renewcommand*{\Freftabname}{\tablename}
1365 \renewcommand*{\Freffigshortname}{%
1366   \if@RTL
1367     \Freffigname
1368   \else
1369     Fig.%
1370   \fi
1371 }
1372 \renewcommand*{\Frefpgshortname}{%
1373   \if@RTL
1374     \Frefpgname
1375   \else
1376     P.%
1377   \fi
1378 }
1379 \renewcommand*{\Freftabshortname}{%
1380   \if@RTL
1381     \tablename
1382   \else
1383     Tab.%
1384   \fi
1385 }
1386 \renewcommand*{\frefchapname}{%
1387   \if@RTL
1388     \Frefchapname
1389   \else
1390     \MakeLowercase{\Frefchapname}%
1391   \fi
1392 }
1393 \renewcommand*{\frefenumname}{%
1394   \if@RTL

```



```

1395     \Frefenumname
1396 \else
1397     \MakeLowercase{\Frefenumname}%
1398 \fi
1399 }
1400 \renewcommand*{\frefeqname}{%
1401     \if@RTL
1402     \Frefeqname
1403 \else
1404     \MakeLowercase{\Frefeqname}%
1405 \fi
1406 }
1407 \renewcommand*{\freffigname}{%
1408     \if@RTL
1409     \Freffigname
1410 \else
1411     \MakeLowercase{\Freffigname}%
1412 \fi
1413 }
1414 \renewcommand*{\freffnname}{%
1415     \if@RTL
1416     \Freffnname
1417 \else
1418     \MakeLowercase{\Freffnname}%
1419 \fi
1420 }
1421 \renewcommand*{\frefonname}{%
1422     \if@RTL
1423     \Frefonname
1424 \else
1425     \MakeLowercase{\Frefonname}%
1426 \fi
1427 }
1428 \renewcommand*{\frefpgname}{%
1429     \if@RTL
1430     \Frefpgname
1431 \else
1432     \MakeLowercase{\Frefpgname}%
1433 \fi
1434 }
1435 \renewcommand*{\frefsecname}{%
1436     \if@RTL
1437     \Frefsecname
1438 \else
1439     \MakeLowercase{\Frefsecname}%
1440 \fi
1441 }
1442 \renewcommand*{\frefseename}{%
1443     \if@RTL
1444     \Frefseename
1445 \else
1446     \MakeLowercase{\Frefseename}%
1447 \fi
1448 }

```



```

1449 \renewcommand*{\frefstabname}{%
1450   \if@RTL
1451     \Frefstabname
1452   \else
1453     \MakeLowercase{\Frefstabname}%
1454   \fi
1455 }
1456 \renewcommand*{\freffigshortname}{%
1457   \if@RTL
1458     \Freffigshortname
1459   \else
1460     \MakeLowercase{\Freffigshortname}%
1461   \fi
1462 }
1463 \renewcommand*{\frefpgshortname}{%
1464   \if@RTL
1465     \Frefpgshortname
1466   \else
1467     \MakeLowercase{\Frefpgshortname}%
1468   \fi
1469 }
1470 \renewcommand*{\frefstabshortname}{%
1471   \if@RTL
1472     \Frefstabshortname
1473   \else
1474     \MakeLowercase{\Frefstabshortname}%
1475   \fi
1476 }

```

## 32 File footnote-xepersian.def

```

1477 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1478
1479 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1480
1481 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1482
1483 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1484

```

## 33 File framed-xepersian.def

```

1485 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1486 \renewenvironment{titled-frame}[1]{%
1487   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1488     \TitleBarFrame{\textbf{#1}}}%
1489   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1490     \TitleBarFrame[${\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1491   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1492     \TitleBarFrame[${\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1493   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1494     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1495   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1496 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title

```





```

1497% could interfere with the width measurement.
1498 {\endMakeFramed}

```

## 34 File glossaries-xepersian.def

```

1499 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries
1500 \glsaddprotectedpagefmt{@harfi}
1501 \glsaddprotectedpagefmt{@tartibi}
1502 \glsaddprotectedpagefmt{@adadi}

```

## 35 File hyperref-xepersian.def

```

1503 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package
1504 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1505 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1506 \def\itemautorefname{\if@RTL else\ item\fi}%
1507 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1508 \def\tableautorefname{\if@RTL else\ Table\fi}%
1509 \def\partautorefname{\if@RTL else\ Part\fi}%
1510 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1511 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1512 \def\sectionautorefname{\if@RTL else\ section\fi}%
1513 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1514 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1515 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1516 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1517 \def\FancyVerblLineautorefname{\if@RTL else\ line\fi}%
1518 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1519 \def\pageautorefname{\if@RTL else\ page\fi}%
1520 \AtBeginDocument{%
1521 \let\HyOrg@appendix\appendix
1522 \def\appendix{%
1523 \ltx@ifundefined{chapter}%
1524 {\gdef\theHsection{\Alph{section}}}%
1525 {\gdef\theHchapter{\Alph{chapter}}}%
1526 \xdef\Hy@chapapp{\Hy@appendixstring}%
1527 \HyOrg@appendix
1528 }
1529 }
1530 \pdfstringdefDisableCommands{%
1531 \let\lr\@firstofone
1532 \let\rl\@firstofone
1533 \def\XePersian{XePersian}
1534 }
1535 \ltx@ifundefined{@resets@pp}{%
1536 }{%
1537 \let\HyOrg@resets@pp\@resets@pp
1538 \def\@resets@pp{%
1539 \ltx@ifundefined{chapter}{%
1540 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1541 }{%
1542 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1543 }%
1544 \xdef\Hy@chapapp{\Hy@appendixstring}%

```



```

1545 \HyOrg@resets@pp
1546 }%
1547 }

```

### 36 File imspdoc-xepersian.def

```

1548 \ProvidesFile{imspdoc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspdoc class
1549
1550 \renewcommand \thepart {\@tartibi\c@part}
1551 \def\appendix{\par\c@section\z@ \c@subsection\z@
1552 \let\sectionname\appendixname
1553 \def\thesection{\@harfi\c@section}}
1554

```

### 37 File kashida-xepersian.def

```

1555 \ProvidesFile{kashida-xepersian.def}[2020/05/16 v0.8 implementation of Kashida for xepersian
1556 %
1557 % The new changes is minimal and only cosmetic; To resolve the
1558 % issue properly, I will be studying TeX line breaking algorithms and
1559 % experiment to see how much of it I can mimic. The idea of using
1560 % a rule or even a box is awful and it breaks a lot of things. The ideal
1561 % solution is to insert Kashida without any rules or boxes or if
1562 % the font offers the alternative forms, it can be used for Kashida.
1563 % Unfortunately, computing the stretch using the \pdfsavepos and
1564 % \pdflastxpos primitives from the PDFTeX engine is bad and
1565 % impractical for several reasons. The process is extremely
1566 % slow and requires at least two runs of TeX. On a particular line,
1567 % we need to write to the aux file at least 10 times, on a page we
1568 % have on average around 10 lines and hence, for a 100 pages
1569 % document, we have to do this 10,000 times. These statistics are
1570 % very modest. On the other hand, if we reach max count (which is
1571 % very likely), then we have to do some devious things.
1572 %
1573 \chardef\xepersian@zwj="200D % zero-width joiner
1574 \chardef\xepersian@lrm="200E % left to right mark
1575 \chardef\xepersian@kashidachar="0640 % kashida
1576
1577 \chardef\xepersian@D=10 % dual-joiner class
1578 \chardef\xepersian@L=11 % lam
1579 \chardef\xepersian@R=12 % right-joiner
1580 \chardef\xepersian@A=13 % alef
1581 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1582 \newif\if@Kashida@on
1583 \def\xepersian@kashida{%
1584 \if@Kashida@on
1585 \xepersian@zwj
1586 \xepersian@lrm
1587 \nobreak
1588 \leaders\hrule height \XeTeXglyphbounds\tw@
1589 \the\XeTeXcharglyph\xepersian@kashidachar
1590 depth \XeTeXglyphbounds\f@ur
1591 \the\XeTeXcharglyph\xepersian@kashidachar
1592 \hskipOpt plus 0.5em

```



```

1593 % \dimexpr \fontcharwd\font\xepersian@kashidachar -
1594 % \XeTeXglyphbounds\@ne
1595 % \the\XeTeXcharglyph\xepersian@kashidachar -
1596 % \XeTeXglyphbounds\thr@@
1597 % \the\XeTeXcharglyph\xepersian@kashidachar \relax
1598 \xepersian@zwj
1599 \fi
1600 }
1601
1602 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1603 \expandafter\dosetclass\charlist,\end}
1604 \def\dosetclass#1,#2\end{%
1605 \def\test{#1}\def\charlist{#2}%
1606 \ifx\test\empty\let\next\finishsetclass
1607 \else \XeTeXcharclass "\test = \theclass
1608 \let\next\dosetclass \fi
1609 \expandafter\next\charlist,,\end}
1610 \def\finishsetclass#1,,\end{}
1611
1612 \setclass \xepersian@A {0622,0623,0625,0627}
1613 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1614 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1615 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1616 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1617 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1618 \setclass \xepersian@L {0644}
1619 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1620
1621 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1622 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1623 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1624 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1625 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1626 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1627 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1628 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1629
1630 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1631 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1632
1633 \KashidaOn

```

## 38 File listings-xepersian.def

```

1634 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1635 \def\lstlistingname{\if@RTL else\ Listing\fi}
1636 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

## 39 File loadingorder-xepersian.def

```

1637 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the 1
1638 \bidi@isloaded{algorithmic}
1639 \bidi@isloaded{algorithm}
1640 \bidi@isloaded{backref}

```



```

1641 \bidi@isloaded{enumerate}
1642 \bidi@isloaded{enumitem}
1643 \bidi@isloaded{fancyref}
1644 \bidi@isloaded{tocloft}
1645 \bidi@isloaded{url}
1646 \bidi@isloaded{varioref}
1647 \AtBeginDocument{
1648   \if@bidi@algorithmicloaded@else
1649     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1650     \fi%
1651   \if@bidi@algorithmloaded@else
1652     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1653     \fi%
1654   \if@bidi@backrefloaded@else
1655     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1656     \fi%
1657   \if@bidi@enumerateloaded@else
1658     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1659     \fi%
1660   \if@bidi@enumitemloaded@else
1661     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1662     \fi%
1663   \if@bidi@fancyrefloaded@else
1664     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1665     \fi%
1666   \if@bidi@tocloftloaded@else
1667     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1668     \fi%
1669   \if@bidi@urlloaded@else
1670     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1671     \fi%
1672   \if@bidi@variorefloaded@else
1673     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1674     \fi%
1675 }

```

## 40 File localise-xepersian.def

```

1676 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1677 \newcommand{\makezwnjletter}{\catcode`\relax}
1678 \makezwnjletter
1679 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1680 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}}
1681 \ifpackageloaded{keyval}{%
1682   \newcommand*\keyval@eq@alias@key[4][KV]{%
1683     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1684     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1685 }{\ifpackageloaded{xkeyval}{%
1686   \newcommand*\keyval@eq@alias@key[4][KV]{%
1687     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1688     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1689 }{}}
1690 \input{latex-localise-commands-xepersian.def}
1691 \input{xepersian-localise-commands-xepersian.def}

```



```

1692 \input{latex-localise-environments-xepersian.def}
1693 \input{xepersian-localise-environments-xepersian.def}
1694 \input{latex-localise-messages-xepersian.def}
1695 \input{latex-localise-misc-xepersian.def}
1696 \input{packages-localise-xepersian.def}
1697 \aliasfontfeature{ExternalLocation}{    }
1698 \aliasfontfeature{Path}{    }
1699 \aliasfontfeature{Renderer}{    }
1700 \aliasfontfeature{BoldFont}{    }
1701 \aliasfontfeature{Language}{    }
1702 \aliasfontfeature{Script}{    }
1703 \aliasfontfeature{UprightFont}{    }
1704 \aliasfontfeature{ItalicFont}{    }
1705 \aliasfontfeature{BoldItalicFont}{    }
1706 \aliasfontfeature{SlantedFont}{    }
1707 \aliasfontfeature{BoldSlantedFont}{    }
1708 \aliasfontfeature{SmallCapsFont}{    }
1709 \aliasfontfeature{UprightFeatures}{    }
1710 \aliasfontfeature{BoldFeatures}{    }
1711 \aliasfontfeature{ItalicFeatures}{    }
1712 \aliasfontfeature{BoldItalicFeatures}{    }
1713 \aliasfontfeature{SlantedFeatures}{    }
1714 \aliasfontfeature{BoldSlantedFeatures}{    }
1715 \aliasfontfeature{SmallCapsFeatures}{    }
1716 \aliasfontfeature{SizeFeatures}{    }
1717 \aliasfontfeature{Scale}{    }
1718 \aliasfontfeature{WordSpace}{    }
1719 \aliasfontfeature{PunctuationSpace}{    }
1720 \aliasfontfeature{FontAdjustment}{    }
1721 \aliasfontfeature{LetterSpace}{    }
1722 \aliasfontfeature{HyphenChar}{    }
1723 \aliasfontfeature{Color}{    }
1724 \aliasfontfeature{Opacity}{    }
1725 \aliasfontfeature{Mapping}{    }
1726 \aliasfontfeature{Weight}{    }
1727 \aliasfontfeature{Width}{    }
1728 \aliasfontfeature{OpticalSize}{    }
1729 \aliasfontfeature{FakeSlant}{    }
1730 \aliasfontfeature{FakeStretch}{    }
1731 \aliasfontfeature{FakeBold}{    }
1732 \aliasfontfeature{AutoFakeSlant}{    }
1733 \aliasfontfeature{AutoFakeBold}{    }
1734 \aliasfontfeature{Ligatures}{    }
1735 \aliasfontfeature{Alternate}{    }
1736 \aliasfontfeature{Variant}{    }
1737 \aliasfontfeature{Variant}{    }
1738 \aliasfontfeature{CharacterVariant}{    }
1739 \aliasfontfeature{Style}{    }
1740 \aliasfontfeature{Annotation}{    }
1741 \aliasfontfeature{RawFeature}{    }
1742 \aliasfontfeature{CharacterWidth}{    }
1743 \aliasfontfeature{Numbers}{    }
1744 \aliasfontfeature{Contextuals}{    }
1745 \aliasfontfeature{Diacritics}{    }

```



```

1746 \aliasfontfeature{Letters}{ }
1747 \aliasfontfeature{Kerning}{ }
1748 \aliasfontfeature{VerticalPosition}{ }
1749 \aliasfontfeature{Fractions}{ }
1750 \aliasfontfeatureoption{Language}{Default}{ }
1751 \aliasfontfeatureoption{Language}{Persian}{ }
1752 \aliasfontfeatureoption{Script}{Persian}{ }
1753 \aliasfontfeatureoption{Script}{Latin}{ }
1754 \aliasfontfeatureoption{Style}{MathScript}{ }
1755 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 41 File memoir-xepersian.def

```

1756 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1757 \renewcommand{\@memfront}{%
1758   \@smemfront\pagenumbering{harfi}}
1759 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1760 \renewcommand*{\thebook}{\@tartibi@c@book}
1761 \renewcommand*{\thepart}{\@tartibi@c@part}
1762 \renewcommand{\appendix}{\par
1763   \setcounter{chapter}{0}%
1764   \setcounter{section}{0}%
1765   \gdef\@chapapp{\appendixname}%
1766   \gdef\thechapter{\@harfi@c@chapter}%
1767   \anappendixtrue}

```

## 42 File latex-localise-messages-xepersian.def

```

1768 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

## 43 File minitoc-xepersian.def

```

1769 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1770 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1771 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1772 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1773 \def\mtctitle{\if@RTL else\ Contents\fi}%
1774 \def\mlfttitle{\if@RTL else\ Figures\fi}%
1775 \def\mltttitle{\if@RTL else\ Tables\fi}%
1776 \def\stctitle{\if@RTL else\ Contents\fi}%
1777 \def\slfttitle{\if@RTL else\ Figures\fi}%
1778 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

## 44 File latex-localise-misc-xepersian.def

```

1779 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisations]
1780 %}1# \ \
1781 \@ \ @ \ \
1782 \1# \
1783 \1# @\
1784 \1# @\
1785 { @ \ \
1786 %}2#1# @\ \
1787 %1# \ @\ \ \ \ \

```



```

1788      \2# \ @\ \
1789 {{2#1# \}
1790 undefined\ \ \
1791
1792 %{\ \ \ \ \1#} \ \} \1# \ \
1793 \ { \ \ \
1794 \ \ \
1795
1796
1797 \ \ \ \%} \#1
1798 \1#} \ \ \% \
1799 \ \ \ \
1800 }%
1801 \
1802 \ \ \ \
1803 }
1804 \= \ \
1805
1806
1807 \ifdefinitionfileloaded{latex-xetex-bidi}{%
1808 \def\@xfloat #1[#2]{%
1809 \nodocument
1810 \def \@captype {#1}%
1811 \def \@fps {#2}%
1812 \@onelevel@sanitize \@fps
1813 \def \reserved@a {!}%
1814 \ifx \reserved@a \@fps
1815 \@fpsadddefault
1816 \else
1817 \ifx \@fps \@empty
1818 \@fpsadddefault
1819 \fi
1820 \fi
1821 \ifhmode
1822 \@bsphack
1823 \@floatpenalty -\@Mii
1824 \else
1825 \@floatpenalty-\@Miii
1826 \fi
1827 \ifinner
1828 \@parmoderr\@floatpenalty\z@
1829 \else
1830 \@next\@currbox\@freelist
1831 {%
1832 \@tempcnta \sixt@@n
1833 \expandafter \@tfor \expandafter \reserved@a
1834 \expandafter :\expandafter =\@fps
1835 \do
1836 {%
1837 \if \reserved@a h%
1838 \ifodd \@tempcnta
1839 \else
1840 \advance \@tempcnta \@ne
1841 \fi

```



```

1842         \fi
1843         \if \reserved@a %
1844             \ifodd \@tempcnta
1845                 \else
1846                     \advance \@tempcnta \@ne
1847                 \fi
1848             \fi
1849             \if \reserved@a t%
1850                 \@setfpsbit \tw@
1851             \fi
1852             \if \reserved@a %
1853                 \@setfpsbit \tw@
1854             \fi
1855             \if \reserved@a b%
1856                 \@setfpsbit 4%
1857             \fi
1858             \if \reserved@a %
1859                 \@setfpsbit 4%
1860             \fi
1861             \if \reserved@a p%
1862                 \@setfpsbit 8%
1863             \fi
1864             \if \reserved@a %
1865                 \@setfpsbit 8%
1866             \fi
1867             \if \reserved@a !%
1868                 \ifnum \@tempcnta>15
1869                     \advance\@tempcnta -\sixt@@n\relax
1870                 \fi
1871             \fi
1872         }%
1873         \@tempcntb \csname ftype@\@capytype \endcsname
1874         \multiply \@tempcntb \xxxii
1875         \advance \@tempcnta \@tempcntb
1876         \global \count\@currbox \@tempcnta
1877     }%
1878     \@fltovf
1879 \fi
1880 \global \setbox\@currbox
1881     \color@vbox
1882     \normalcolor
1883     \vbox \bgroup
1884         \hsize\columnwidth
1885         \@parboxrestore
1886         \@floatboxreset
1887 }
1888 \let\bm@ \bm@c
1889 \let\bm@ \bm@l
1890 \let\bm@ \bm@r
1891 \let\bm@ \bm@b
1892 \let\bm@ \bm@t
1893 \let\bm@ \bm@s
1894 \long\def\@iiiiparbox#1#2[#3]#4#5{%
1895     \leavevmode

```





```

1896 \pboxswfalse
1897 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1898 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1899 \setlength\@tempdima{#4}%
1900 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1901 \ifx\relax#2\else
1902 \setlength\@tempdima{#2}%
1903 \edef\@parboxto{to\the\@tempdima}%
1904 \fi
1905 \if#1b\vbox
1906 \else\if#1\vbox
1907 \else\if #1t\top
1908 \else\if vtop\ #1
1909 \else\ifmmode\vcenter
1910 \else\pboxswtrue $\vcenter
1911 \fi\fi\fi\fi\fi
1912 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1913 \csname bm@#3\endcsname}%
1914 \if@pboxsw \mth$\fi
1915 \@end@tempboxa}
1916 \def\@iiiminipage#1#2[#3]#4{%
1917 \leavevmode
1918 \pboxswfalse
1919 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1920 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1921 \setlength\@tempdima{#4}%
1922 \def\@mpargs{#1}#2{#3}{#4}}%
1923 \setbox\@tempboxa\vbox\bgroup
1924 \color@begingroup
1925 \hsize\@tempdima
1926 \textwidth\hsize \columnwidth\hsize
1927 \@parboxrestore
1928 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1929 \let\@footnotetext\@mpfootnotetext
1930 \let\@LTRfootnotetext\@mpLTRfootnotetext
1931 \let\@RTLfootnotetext\@mpRTLfootnotetext
1932 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1933 \@minipagerestore
1934 \@setminipage}
1935 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1936 \ifnum \@lastchclass=3 5 \else
1937 \z@ \if #1c\@chnum \z@ \else
1938 \if chnum@ \ #1 \z@ \else
1939 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1940 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1941 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1942 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1943 \@chclass \if #1\@ne \else
1944 \if #1\@tw@ \else
1945 \if #1p3 \else
1946 \if 3 #1 \else \z@ \@preamerr 0\fi
1947 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1948 \fi}%
1949 }{}

```



```

1950 \ifdefinitionfileloaded{array-xetex-bidi}{%
1951 \def\@testpach{\@chclass
1952 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1953 \ifnum \@lastchclass=7 5 \else
1954 \ifnum \@lastchclass=8 \tw@ \else
1955 \ifnum \@lastchclass=9 \thr@@
1956 \else \z@
1957 \ifnum \@lastchclass = 10 \else
1958 \edef\@nextchar{\expandafter\string\@nextchar}%
1959 \@chnum
1960 \if \@nextchar c\z@ \else
1961 \if \@nextchar @z\ \else
1962 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1963 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1964 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1965 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1966 \z@ \@chclass
1967 \if\@nextchar |\@ne \else
1968 \if \@nextchar !6 \else
1969 \if \@nextchar @7 \else
1970 \if \@nextchar <8 \else
1971 \if \@nextchar >9 \else
1972 10
1973 \@chnum
1974 \if \@nextchar m\thr@@\else
1975 \if \@nextchar thr@@\else\
1976 \if \@nextchar p4 \else
1977 \if \@nextchar 4 \else
1978 \if \@nextchar b5 \else
1979 \if \@nextchar 5 \else
1980 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1981 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1982 }{}
1983 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1984 \ifadl@usingarypkg
1985 \def\@testpach{\@chclass
1986 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1987 \ifnum \@lastchclass=7 5 \else
1988 \ifnum \@lastchclass=8 \tw@ \else
1989 \ifnum \@lastchclass=9 \thr@@
1990 \else \z@
1991 \ifnum \@lastchclass = 10 \else
1992 \edef\@nextchar{\expandafter\string\@nextchar}%
1993 \@chnum
1994 \if \@nextchar c\z@ \else
1995 \if \@nextchar @z\ \else
1996 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1997 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1998 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1999 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2000 \z@ \@chclass
2001 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2002 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2003 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else

```



```

2004 \if \@nextchar !6 \else
2005 \if \@nextchar @7 \else
2006 \if \@nextchar <8 \else
2007 \if \@nextchar >9 \else
2008 10
2009 \@chnum
2010 \if \@nextchar m\thr@@\else
2011 \if \@nextchar thr@@\else\
2012 \if \@nextchar p4 \else
2013 \if \@nextchar 4 \else
2014 \if \@nextchar b5 \else
2015 \if \@nextchar 5 \else
2016 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2017 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2018
2019 \def\@classz{\@classx
2020 \@tempcnta \count@
2021 \prepnext@tok
2022 \@addtopreamble{\ifcase \@chnum
2023 \hfil
2024 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2025 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2026 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2027 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2028 \adl@endmbox\or
2029 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2030 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2031 \fi}\prepnext@tok}
2032 \def\adl@class@start{4}
2033 \def\adl@class@iiiorvii{7}
2034
2035 \else
2036 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2037 \ifnum \@lastchclass=\thr@@ 5\relax \else
2038 \z@ \if #1c\@chnum \z@ \else
2039 \if @chnum\z@\ #1 \else
2040 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
2041 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
2042 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2043 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2044 \@chclass
2045 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
2046 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
2047 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
2048 \if #1@\tw@ \else
2049 \if #1p\thr@@ \else
2050 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2051 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2052
2053 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2054 \or \or \@addamp \or
2055 \@acolampacol \or \@firstampfalse \@acol \fi
2056 \edef\@preamble{\@preamble
2057 \ifcase \@chnum

```



[illegible]

```

2112 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2113 }{}
2114 \ifdefinitionfileloaded{float-xetex-bidi}{%
2115 \let\@float@Hx\@xfloat
2116 \def\@xfloat#1[{ {\@ifnextchar{H}{\@float@HH{#1} []}{\@ifnextchar{ }{\@float@{1#} []}{\@float@Hx{#
2117 \def\@float@HH#1[H]{%
2118 \expandafter\let\csname end#1\endcsname\float@endH
2119 \let\@currbox\float@box
2120 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2121 \expandafter\ifx\csname fst@#1\endcsname\relax
2122 \@flstylefalse\else\@flstyletrue\fi
2123 \setbox\@currbox\color@vbox\normalcolor
2124 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2125 \@floatboxreset \@setnobreak
2126 \ignorespaces}
2127 \def\@float@[ ]1# {%
2128 \expandafter\let\csname end#1\endcsname\float@endH
2129 \let\@currbox\float@box
2130 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2131 \expandafter\ifx\csname fst@#1\endcsname\relax
2132 \@flstylefalse\else\@flstyletrue\fi
2133 \setbox\@currbox\color@vbox\normalcolor
2134 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2135 \@floatboxreset \@setnobreak
2136 \ignorespaces}
2137 }{}
2138 \begingroup \catcode `|=0 \catcode `|=1
2139 \catcode`=2 \catcode `|=12 \catcode `|=12
2140 \catcode`=12 \gdef|\@x@xepersian@localize@verbatim#1[[ ] |1#]{ }
2141 \gdef|\@sx@xepersian@localize@verbatim#1[[* ] |1#]{* }
2142 \endgroup
2143 \def\@frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2144 \def\end\@ifnewlist \leavevmode\fi\endtrivlist}
2145 \ExplSyntaxOn
2146 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2147 \ExplSyntaxOff
2148 \expandafter\let\csname end * \endcsname =\end

```

## 45 File natbib-xepersian.def

```

2149 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2150 \renewcommand\NAT@set@cites{%
2151 \ifNAT@numbers
2152 \ifNAT@super \let\@cite\NAT@citesuper
2153 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2154 \let\citeyearpar=\citeyear
2155 \let\NAT@space\relax
2156 \def\NAT@super@kern{\kern\p@}%
2157 \else
2158 \let\NAT@mbox=\mbox
2159 \let\@cite\NAT@citenum
2160 \let\NAT@space\NAT@spacechar
2161 \let\NAT@super@kern\relax
2162 \fi

```



```

2163 \let\@citex\NAT@citexnum
2164 \let\@Latincitex\NAT@Latin@citexnum
2165 \let\@biblabel\NAT@biblabelnum
2166 \let\@bibsetup\NAT@bibsetnum
2167 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2168 \def\natexlab##1{%
2169 \def\NAT@penalty{\penalty\@m}%
2170 \else
2171 \let\@cite\NAT@cite
2172 \let\@citex\NAT@citex
2173 \let\@Latincitex\NAT@Latin@citex
2174 \let\@biblabel\NAT@biblabel
2175 \let\@bibsetup\NAT@bibsetup
2176 \let\NAT@space\NAT@spacechar
2177 \let\NAT@penalty\@empty
2178 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2179 \def\natexlab##1{##1}%
2180 \fi}
2181 \newcommand\NAT@Latin@citex{}
2182 \def\NAT@Latin@citex%
2183 [#1][#2]#3{%
2184 \NAT@reset@parser
2185 \NAT@sort@cites{#3}%
2186 \NAT@reset@citea
2187 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2188 \@for\@citeb:=\NAT@cite@list\do
2189 {\@safe@activestrue
2190 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2191 \@safe@activesfalse
2192 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2193 {\reset@font\bfseries ?}\NAT@citeundefined
2194 \PackageWarning{natbib}%
2195 {Citation ``\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2196 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2197 \NAT@parse{\@citeb}%
2198 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2199 \let\NAT@name=\NAT@all@names
2200 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2201 \fi
2202 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2203 \let\NAT@nm\NAT@name\fi
2204 \ifNAT@swa\ifcase\NAT@ctype
2205 \if\relax\NAT@date\relax
2206 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2207 \else
2208 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2209 \ifx\NAT@last@yr\NAT@year
2210 \def\NAT@temp{?}%
2211 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2212 {Multiple citation on page \thepage: same authors and
2213 year\MessageBreak without distinguishing extra
2214 letter,\MessageBreak appears as question mark}\fi
2215 \NAT@hyper@{\NAT@exlab}%
2216 \else\unskip\NAT@spacechar

```



```

2217         \NAT@hyper@{\NAT@date}%
2218     \fi
2219 \else
2220     \@citea\NAT@hyper@{%
2221         \NAT@nmfmt{\NAT@nm}%
2222         \hyper@natlinkbreak{%
2223             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2224         }%
2225         \NAT@date
2226     }%
2227 \fi
2228 \fi
2229 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2230 \or\@citea\NAT@hyper@{\NAT@date}%
2231 \or\@citea\NAT@hyper@{\NAT@alias}%
2232 \fi \NAT@def@citea
2233 \else
2234     \ifcase\NAT@ctype
2235     \if\relax\NAT@date\relax
2236         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2237     \else
2238         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2239             \ifx\NAT@last@yr\NAT@year
2240                 \def\NAT@temp{{?}}%
2241                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2242                     {Multiple citation on page \thepage: same authors and
2243                     year\MessageBreak without distinguishing extra
2244                     letter,\MessageBreak appears as question mark}\fi
2245                 \NAT@hyper@{\NAT@exlab}%
2246             \else
2247                 \unskip\NAT@spacechar
2248                 \NAT@hyper@{\NAT@date}%
2249             \fi
2250         \else
2251             \@citea\NAT@hyper@{%
2252                 \NAT@nmfmt{\NAT@nm}%
2253                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2254                 {\@citeb\@extra@b@citeb}%
2255                 \NAT@date
2256             }%
2257         \fi
2258     \fi
2259 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2260 \or\@citea\NAT@hyper@{\NAT@date}%
2261 \or\@citea\NAT@hyper@{\NAT@alias}%
2262 \fi
2263 \if\relax\NAT@date\relax
2264     \NAT@def@citea
2265 \else
2266     \NAT@def@citea@close
2267 \fi
2268 \fi
2269 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2270 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}

```



```

2271 \newcommand\NAT@Latin@citexnum{}
2272 \def\NAT@Latin@citexnum[#1][#2]#3{%
2273   \NAT@reset@parser
2274   \NAT@sort@cites{#3}%
2275   \NAT@reset@citea
2276   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2277     \@for\@citeb:=\NAT@cite@list\do
2278     {\@safe@activestrue
2279       \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2280     \@safe@activesfalse
2281     \ifundefined{b@\@citeb\@extra@b@citeb}{%
2282       {\reset@font\bfseries?}
2283       \NAT@citeundefined\PackageWarning{natbib}%
2284       {Citation ``\@citeb' on page \thepage \space undefined}}%
2285     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2286       \NAT@parse{\@citeb}%
2287       \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2288         \let\NAT@name=\NAT@all@names
2289         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2290       \fi
2291       \ifNAT@full\let\NAT@nm\NAT@all@names\else
2292         \let\NAT@nm\NAT@name\fi
2293       \ifNAT@swa
2294         \@ifnum{\NAT@ctype>\@ne}{%
2295           \citea
2296           \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2297         }{%
2298           \@ifnum{\NAT@cmprs>\z@}{%
2299             \NAT@ifcat@num\NAT@num
2300             {\let\NAT@nm=\NAT@num}%
2301             {\def\NAT@nm{-2}}%
2302             \NAT@ifcat@num\NAT@last@num
2303             {\@tempcnta=\NAT@last@num\relax}%
2304             {\@tempcnta\m@ne}%
2305             \@ifnum{\NAT@nm=\@tempcnta}{%
2306               \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2307             }{%
2308               \advance\@tempcnta by\@ne
2309               \@ifnum{\NAT@nm=\@tempcnta}{%
2310                 \ifx\NAT@last@yr\relax
2311                   \def\NAT@last@yr{\@citea}%
2312                 \else
2313                   \def\NAT@last@yr{--\NAT@penalty}%
2314                 \fi
2315               }{%
2316                 \NAT@last@yr@mbx
2317               }%
2318             }%
2319           }{%
2320             \@tempswatrue
2321             \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}%
2322             \if@tempswa\NAT@citea@mbx\fi
2323           }%
2324         }%

```





```

2325 \NAT@def@citea
2326 \else
2327 \ifcase\NAT@ctype
2328 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2329 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2330 \fi
2331 \if*#1*\else#1\NAT@spacechar\fi
2332 \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2333 \NAT@def@citea@box
2334 \or
2335 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2336 \or
2337 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2338 \or
2339 \NAT@hyper@citea@space\NAT@alias
2340 \fi
2341 \fi
2342 }%
2343 }%
2344 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2345 \ifNAT@swa\else
2346 \@ifnum{\NAT@ctype=\z@}{%
2347 \if*#2*\else\NAT@cmt#2\fi
2348 }{ }%
2349 \NAT@mbox{\NAT@@close}%
2350 \fi
2351 }{#1}{#2}%
2352 }%
2353 \AtBeginDocument{\NAT@set@cites}
2354 \DeclareRobustCommand\Latincite
2355 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2356 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2357 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2358 \ifNAT@numbers\else
2359 \NAT@swafalse
2360 \fi
2361 \NAT@@Latin@@citetp[]}}
2362 \newcommand\NAT@@Latin@@citetp{
2363 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 46 File packages-localise-xepersian.def

```

2364 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2365 color} \}{color} @\-localise-xepersian.def}}{}
2366 \ifpackageloaded{multicol}{%
2367 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2368 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2369 }{}
2370 \ifpackageloaded{verbatim}{%
2371 \begingroup
2372 \vrb@catcodes
2373 \lccode`!=`\\ \lccode`[=``{ \lccode`]=``}
2374 \catcode`\~=\active \lccode`\~=\^^M
2375 \lccode`\C=\C

```



```

2376 \lowercase{\endgroup
2377 \def\xepersian@localize@verbatim@start#1{%
2378 \verbatim@startline
2379 \if\noexpand#1\noexpand~%
2380 \let\next\xepersian@localize@verbatim@
2381 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2382 \next}%
2383 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2384 \def\xepersian@localize@verbatim@@#1! {%
2385 \verbatim@addtoline{#1}%
2386 \futurelet\next\xepersian@localize@verbatim@@@}%
2387 \def\xepersian@localize@verbatim@@@#1\@nil{%
2388 \ifx\next\@nil
2389 \verbatim@processline
2390 \verbatim@startline
2391 \let\next\xepersian@localize@verbatim@
2392 \else
2393 \def\@tempa##1! \@nil{##1}%
2394 \@temptokena{! }%
2395 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2396 \fi \next}%
2397 \def\xepersian@localize@verbatim@test#1{%
2398 \let\next\xepersian@localize@verbatim@test
2399 \if\noexpand#1\noexpand~%
2400 \expandafter\verbatim@addtoline
2401 \expandafter{\the\@temptokena}%
2402 \verbatim@processline
2403 \verbatim@startline
2404 \let\next\xepersian@localize@verbatim@
2405 \else \if\noexpand#1
2406 \@temptokena\expandafter{\the\@temptokena#1}%
2407 \else \if\noexpand#1\noexpand[%
2408 \let\@tempc\@empty
2409 \let\next\xepersian@localize@verbatim@testend
2410 \else
2411 \expandafter\verbatim@addtoline
2412 \expandafter{\the\@temptokena}%
2413 \def\next{\xepersian@localize@verbatim@#1}%
2414 \fi\fi\fi
2415 \next}%
2416 \def\xepersian@localize@verbatim@testend#1{%
2417 \if\noexpand#1\noexpand~%
2418 \expandafter\verbatim@addtoline
2419 \expandafter{\the\@temptokena[]}%
2420 \expandafter\verbatim@addtoline
2421 \expandafter{\@tempc}%
2422 \verbatim@processline
2423 \verbatim@startline
2424 \let\next\xepersian@localize@verbatim@
2425 \else\if\noexpand#1\noexpand[%
2426 \let\next\xepersian@localize@verbatim@@testend
2427 \else\if\noexpand#1\noexpand!%
2428 \expandafter\verbatim@addtoline
2429 \expandafter{\the\@temptokena[]}%

```



```

2430         \expandafter\verbatim@addtoline
2431         \expandafter{\@tempc}%
2432         \def\next{\xepersian@localize@verbatim@!}%
2433         \else \expandafter\def\expandafter\@tempc\expandafter
2434         {\@tempc#1}\fi\fi\fi
2435         \next}%
2436 \def\xepersian@localize@verbatim@%testend{%
2437 \ifx\@tempc\@currenvir
2438 \verbatim@finish
2439 \edef\next{\noexpand\end{\@currenvir}%
2440 \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2441 \else
2442 \expandafter\verbatim@addtoline
2443 \expandafter{\the\@temptokena}%
2444 \expandafter\verbatim@addtoline
2445 \expandafter{\@tempc}%
2446 \let\next\xepersian@localize@verbatim@
2447 \fi
2448 \next}%
2449 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2450 \warning{Characters dropped after `\'string\'end{\'#1\'}}\fi}%
2451 \def\
2452 {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2453 \xepersian@localize@verbatim@start}
2454 \endgroup\
2455 {\endgroup\@verbatim\xepersian@localize@verbatim@start}
2456 \endgroup\
2457 \endgroup\
2458 \endgroup\
2459 \endgroup\
2460 \endgroup\
2461 \endgroup\
2462 \endgroup\
2463 \endgroup\
2464 \endgroup\
2465 \endgroup\
2466 \endgroup\
2467 \endgroup\
2468 \endgroup\
2469 \endgroup\
2470 \endgroup\
2471 \endgroup\
2472 \endgroup\
2473 \endgroup\
2474 \endgroup\
2475 \endgroup\
2476 \endgroup\
2477 \endgroup\
2478 \endgroup\
2479 \endgroup\
2480 \endgroup\
2481 \endgroup\
2482 \endgroup\
2483 \endgroup\

```



```

2484 \if tempa@ \Grot@y\height\else
2485 \if b@tempa \Grot@y-\depth\else
2486 \if tempa@ \Grot@y-\depth\else
2487 \if B@tempa \Grot@y\z@ \else
2488 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2489 {draft}{ }{Gin} @ \
2490 {origin}{ }{Gin} @ \
2491 {origin}{ }{Grot} @ \
2492 {clip}{ }{Gin} @ \
2493 {keepaspectratio}{ }{Gin} @ \
2494 {natwidth}{ }{Gin} @ \
2495 {natheight}{ }{Gin} @ \
2496 {bb}{ }{Gin} @ \
2497 {viewport}{ }{Gin} @ \
2498 {trim}{ }{Gin} @ \
2499 {angle}{ }{Gin} @ \
2500 {width}{ }{Gin} @ \
2501 {height}{ }{Gin} @ \
2502 {totalheight}{ }{Gin} @ \
2503 {scale}{ }{Gin} @ \
2504 {type}{ }{Gin} @ \
2505 {ext}{ }{Gin} @ \
2506 {read}{ }{Gin} @ \
2507 {command}{ }{Gin} @ \
2508 {x}{ }{Grot} @ \
2509 {y}{ }{Grot} @ \
2510 {units}{ }{Grot} @ \
2511 }{ }

```

```

2512 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2513 \begingroup
2514 \lccode`+=`\% \lccode`\~=\%
2515 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2516 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2517 \endgroup%

```

```

2518 LHSName "persian-TeX-text"
2519 RHSName "Unicode"
2520
2521 pass(Unicode)
2522 U+0030 <> U+06F0 ;
2523 U+0031 <> U+06F1 ;
2524 U+0032 <> U+06F2 ;
2525 U+0033 <> U+06F3 ;
2526 U+0034 <> U+06F4 ;
2527 U+0035 <> U+06F5 ;
2528 U+0036 <> U+06F6 ;
2529 U+0037 <> U+06F7 ;
2530 U+0038 <> U+06F8 ;
2531 U+0039 <> U+06F9 ;

```



```

2532
2533
2534 U+002C <> U+060C ; comma > arabic comma
2535 U+003F <> U+061F ; question mark -> arabic qm
2536 U+003B <> U+061B ; semicolon -> arabic semicolon
2537
2538 ; ligatures from Knuth's original CMR fonts
2539 U+002D U+002D <> U+2013 ; -- -> en dash
2540 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2541
2542 U+0027 <> U+2019 ; ' -> right single quote
2543 U+0027 U+0027 <> U+201D ; '' -> right double quote
2544 U+0022 > U+201D ; " -> right double quote
2545
2546 U+0060 <> U+2018 ; ` -> left single quote
2547 U+0060 U+0060 <> U+201C ; `` -> left double quote
2548
2549 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2550 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2551
2552 ; additions supported in T1 encoding
2553 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2554 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLET
2555 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLET

```

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

```

2556 LHSName "persian-TeX-text-nonnumbers"
2557 RHSName "Unicode"
2558
2559 pass(Unicode)
2560 U+002C <> U+060C ; comma > arabic comma
2561 U+003F <> U+061F ; question mark -> arabic qm
2562 U+003B <> U+061B ; semicolon -> arabic semicolon
2563
2564 ; ligatures from Knuth's original CMR fonts
2565 U+002D U+002D <> U+2013 ; -- -> en dash
2566 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2567
2568 U+0027 <> U+2019 ; ' -> right single quote
2569 U+0027 U+0027 <> U+201D ; '' -> right double quote
2570 U+0022 > U+201D ; " -> right double quote
2571
2572 U+0060 <> U+2018 ; ` -> left single quote
2573 U+0060 U+0060 <> U+201C ; `` -> left double quote
2574
2575 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2576 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2577
2578 ; additions supported in T1 encoding
2579 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2580 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLET
2581 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLET

```



## 50 File rapport1-xepersian.def

```
2582 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2583 \renewcommand*\thepart{\@tartibi\c@part}
2584 \renewcommand*\appendix{\par
2585   \setcounter{chapter}{0}%
2586   \setcounter{section}{0}%
2587   \gdef\@chapapp{\appendixname}%
2588   \gdef\thechapter{\@harfi\c@chapter}}
```

## 51 File rapport3-xepersian.def

```
2589 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2590 \renewcommand*\thepart{\@tartibi\c@part}
2591 \renewcommand*\appendix{\par
2592   \setcounter{chapter}{0}%
2593   \setcounter{section}{0}%
2594   \gdef\@chapapp{\appendixname}%
2595   \gdef\thechapter{\@harfi\c@chapter}}
```

## 52 File refrep-xepersian.def

```
2596 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2597 \renewcommand \thepart {\@tartibi\c@part}
2598 \renewcommand\appendix{\par
2599   \setcounter{chapter}{0}%
2600   \setcounter{section}{0}%
2601   \gdef\@chapapp{\appendixname}%
2602   \gdef\thechapter{\@harfi\c@chapter}
2603 }%end appendix
```

## 53 File report-xepersian.def

```
2604 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2605 \renewcommand \thepart {\@tartibi\c@part}
2606 \renewcommand\appendix{\par
2607   \setcounter{chapter}{0}%
2608   \setcounter{section}{0}%
2609   \gdef\@chapapp{\appendixname}%
2610   \gdef\thechapter{\@harfi\c@chapter}
2611 }%end appendix
```

## 54 File scrartcl-xepersian.def

```
2612 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2613 \renewcommand*\thepart{\@tartibi\c@part}
2614 \renewcommand*\appendix{%
2615   \Ifstr{\@currenvir}{appendix}{%
2616     \ClassWarning{\KOMAClassName}{%
2617       You are using
2618       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2619       You should note, that \string\appendix' is a mostly
2620       globally\MessageBreak
2621       working command not an enviroment with only local\MessageBreak
```



```

2622     effects. Therefore \string\end{appendix} will neither\MessageBreak
2623     switch back to normal section numbering nor finish\MessageBreak
2624     every other effect of \string\begin{appendix}.\MessageBreak
2625     Nevertheless, some effects may end with\MessageBreak
2626     \string\end{appendix} and the document may become\MessageBreak
2627     inconsistent.\MessageBreak
2628     Because of this, you should remove \string\end{appendix}\MessageBreak
2629     and replace \string\begin{appendix} by command\MessageBreak
2630     \string\appendix'
2631   }%
2632 }{}%
2633 \par
2634 \setcounter{section}{0}%
2635 \setcounter{subsection}{0}%
2636 \gdef\thesection{\@harfi\c@section}%
2637 }
2638 \IfLTXAtLeastTF{2020/10/01}{%
2639   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2640 }{}
2641 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2642 \renewcommand*{\@@maybeautodot}[1]{%
2643   \ifx #1\@stop\let\@@maybeautodot\relax
2644   \else
2645     \ifx #1\harfi \@@autodottrue\fi
2646     \ifx #1\adadi \@@autodottrue\fi
2647     \ifx #1\tartibi \@@autodottrue\fi
2648     \ifx #1\Alph \@@autodottrue\fi
2649     \ifx #1\alph \@@autodottrue\fi
2650     \ifx #1\Roman \@@autodottrue\fi
2651     \ifx #1\roman \@@autodottrue\fi
2652     \ifx #1\@harfi \@@autodottrue\fi
2653     \ifx #1\@adadi \@@autodottrue\fi
2654     \ifx #1\@tartibi \@@autodottrue\fi
2655     \ifx #1\@Alph \@@autodottrue\fi
2656     \ifx #1\@alph \@@autodottrue\fi
2657     \ifx #1\@Roman \@@autodottrue\fi
2658     \ifx #1\@roman \@@autodottrue\fi
2659     \ifx #1\romannumeral \@@autodottrue\fi
2660   \fi
2661   \@@maybeautodot
2662 }

```

## 55 File scrbook-xepersian.def

```

2663 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2664 \renewcommand*\frontmatter{%
2665   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2666   \@mainmatterfalse\pagenumbering{harfi}%
2667 }
2668 \renewcommand*{\thepart}{\@tartibi\c@part}
2669 \renewcommand*\appendix{%
2670   \Ifstr{\@currenvir}{appendix}{%
2671     \ClassWarning{\KOMAClassName}{%
2672       You are using

```



```

2673     \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2674     You should note, that \string\appendix' is a mostly
2675     globally\MessageBreak
2676     working command not an enviroment with only local\MessageBreak
2677     effects. Therefore \string\end{appendix}' will neither\MessageBreak
2678     switch back to normal section numbering nor finish\MessageBreak
2679     every other effect of \string\begin{appendix}'.\MessageBreak
2680     Nevertheless, some effects may end with\MessageBreak
2681     \string\end{appendix}' and the document may become\MessageBreak
2682     inconsistent.\MessageBreak
2683     Because of this, you should remove \string\end{appendix}'.\MessageBreak
2684     and replace \string\begin{appendix}' by command\MessageBreak
2685     \string\appendix'%
2686   }%
2687 }{}%
2688 \par
2689 \setcounter{chapter}{0}%
2690 \setcounter{section}{0}%
2691 \gdef\@chapapp{\appendixname}%
2692 \gdef\thechapter{\@harfi\c@chapter}%
2693 }
2694 \IfLTXAtLeastTF{2020/10/01}{%
2695   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2696 }{}
2697 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2698 \renewcommand*{\@maybeautodot}[1]{%
2699   \ifx #1\@stop\let\@maybeautodot\relax
2700   \else
2701     \ifx #1\harfi \@autodottrue\fi
2702     \ifx #1\adadi \@autodottrue\fi
2703     \ifx #1\tartibi \@autodottrue\fi
2704     \ifx #1\Alph \@autodottrue\fi
2705     \ifx #1\alph \@autodottrue\fi
2706     \ifx #1\Roman \@autodottrue\fi
2707     \ifx #1\roman \@autodottrue\fi
2708     \ifx #1\@harfi \@autodottrue\fi
2709     \ifx #1\@adadi \@autodottrue\fi
2710     \ifx #1\@tartibi \@autodottrue\fi
2711     \ifx #1\@Alph \@autodottrue\fi
2712     \ifx #1\@alph \@autodottrue\fi
2713     \ifx #1\@Roman \@autodottrue\fi
2714     \ifx #1\@roman \@autodottrue\fi
2715     \ifx #1\romannumeral \@autodottrue\fi
2716   \fi
2717   \@maybeautodot
2718 }

```

## 56 File scrreprt-xepersian.def

```

2719 \ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
2720 \renewcommand*{\thepart}{\@tartibi\c@part}
2721 \renewcommand*\appendix{%
2722   \Ifstr{\@currenvir}{appendix}{%
2723     \ClassWarning{\KOMAClassName}{%

```





```

2724 You are using
2725 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2726 You should note, that \string\appendix is a mostly
2727 globally\MessageBreak
2728 working command not an enviroment with only local\MessageBreak
2729 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2730 switch back to normal section numbering nor finish\MessageBreak
2731 every other effect of \string\begin{appendix}'.\MessageBreak
2732 Nevertheless, some effects may end with\MessageBreak
2733 \string\end{appendix}' and the document may become\MessageBreak
2734 inconsistent.\MessageBreak
2735 Because of this, you should remove \string\end{appendix}'\MessageBreak
2736 and replace \string\begin{appendix}' by command\MessageBreak
2737 \string\appendix'%
2738 }%
2739 }{}%
2740 \par
2741 \setcounter{chapter}{0}%
2742 \setcounter{section}{0}%
2743 \gdef\@chapapp{\appendixname}%
2744 \gdef\thechapter{\@harfi\c@chapter}%
2745 }
2746 \IfLTXAtLeastTF{2020/10/01}{%
2747 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2748 }{}
2749 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2750 \renewcommand*{\@maybeautodot}[1]{%
2751 \ifx #1\@stop\let\@maybeautodot\relax
2752 \else
2753 \ifx #1\harfi \@autodottrue\fi
2754 \ifx #1\adadi \@autodottrue\fi
2755 \ifx #1\tartibi \@autodottrue\fi
2756 \ifx #1\Alph \@autodottrue\fi
2757 \ifx #1\alph \@autodottrue\fi
2758 \ifx #1\Roman \@autodottrue\fi
2759 \ifx #1\roman \@autodottrue\fi
2760 \ifx #1\@harfi \@autodottrue\fi
2761 \ifx #1\@adadi \@autodottrue\fi
2762 \ifx #1\@tartibi \@autodottrue\fi
2763 \ifx #1\@Alph \@autodottrue\fi
2764 \ifx #1\@alph \@autodottrue\fi
2765 \ifx #1\@Roman \@autodottrue\fi
2766 \ifx #1\@roman \@autodottrue\fi
2767 \ifx #1\romannumeral \@autodottrue\fi
2768 \fi
2769 \@maybeautodot
2770 }

```

## 57 File soul-xepersian.def

```

2771 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2772 \let\SOUL@tt@latin\SOUL@tt
2773 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2774 \def\SOUL@tt{%

```



```

2775 \if@nonlatin
2776 \SOUL@tt@nonlatin
2777 \else
2778 \SOUL@tt@latin
2779 \fi
2780 }
2781 \bidi@appto\resetlatinfont{%
2782 \setbox\z@\hbox{\SOUL@tt-}%
2783 \SOUL@ttwidth\wd\z@
2784 }
2785 \bidi@appto\setpersianfont{%
2786 \setbox\z@\hbox{\SOUL@tt-}%
2787 \SOUL@ttwidth\wd\z@
2788 }

```

## 58 File tkz-linknodes-xepersian.def

```

2789 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2790 \renewcommand*{\@SetTab}{%
2791 \let\@alph\@latinalph%
2792 \ifnum \value{C@NumTab}>25\relax%
2793 \setcounter{C@NumTab}{1}%
2794 \else%
2795 \stepcounter{C@NumTab}%
2796 \fi%
2797 \setcounter{C@NumGroup}{0}%
2798 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2799 \setboolean{B@FirstLink}{true}
2800 \setboolean{B@NewGroup}{false}
2801 \setcounter{C@NumGroup}{0}
2802 \setcounter{C@CurrentGroup}{0}
2803 \setcounter{NumC@Node}{0}
2804 \setcounter{NumC@stop}{0}
2805 \setcounter{C@NextNode}{0}
2806 \setcounter{C@CurrentStop}{0}
2807 \setcounter{C@CurrentNode}{0}
2808 }%

```

## 59 File tocloft-xepersian.def

```

2809 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2810 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2811 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2812 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2813 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2814 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2815 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2816 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2817 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2818 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2819 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 60 File varioref-xepersian.def



```

2820 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2821 \def\reftextfaceafter{%
2822   \if@RTL
2823
2824 \reftextvario{  }{ }%
2825   \else
2826     on the \reftextvario{facing}{next} page%
2827   \fi
2828 }
2829 \def\reftextfacebefore{%
2830   \if@RTL
2831
2832 \reftextvario{  }{ }%
2833   \else
2834     on the \reftextvario{facing}{preceding} page%
2835   \fi
2836 }
2837 \def\reftextafter{%
2838   \if@RTL
2839
2840 \reftextvario{  }{ }%
2841   \else
2842     on the \reftextvario{following}{next} page%
2843   \fi
2844 }
2845 \def\reftextbefore{%
2846   \if@RTL
2847
2848 \reftextvario{  }{ }%
2849   \else
2850     on the \reftextvario{preceding}{previous} page%
2851   \fi
2852 }
2853 \def\reftextcurrent{%
2854   \if@RTL
2855
2856 \reftextvario{  }{ }%
2857   \else
2858     on \reftextvario{this}{the current} page%
2859   \fi
2860 }
2861 \def\reftextfaraway#1{%
2862   \if@RTL
2863     %
2864 ~\pageref{#1}%
2865   \else
2866     on page~\pageref{#1}%
2867   \fi
2868 }
2869 \def\reftextpagerange#1#2{%
2870   \if@RTL
2871     %
2872 ~\pageref{#1}--\pageref{#2}%
2873   \else

```



```

2874     on pages~\pageref{#1}--\pageref{#2}%
2875     \fi
2876 }
2877 \def\reftextlabelrange#1#2{%
2878     \if@RTL
2879         \ref{#1} %ref{#2}\~
2880     \else
2881         \ref{#1} to~\ref{#2}%
2882     \fi
2883 }

```

## 61 File xepersian.sty

```

2884 \NeedsTeXFormat{LaTeX2e}
2885 \def\xepersian@version{24.1}
2886 \def\xepersian@date{2022/05/24}
2887 \ProvidesPackage{xepersian}[\xepersian@date\space v\xepersian@version\space
2888 Persian typesetting in XeLaTeX]
2889 \RequirePackage{fontspec}
2890 \RequirePackage{xepersian-persiancal}
2891 \RequirePackage{xepersian-mathdigitsspec}
2892 \RequirePackage{bidi}
2893 \edef\xepersian@info{*****~J%
2894 * ~J%
2895 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2896 * ~J%
2897 * Description: The package supports Persian~J%
2898 * typesetting, using fonts provided in the~J%
2899 * distribution.~J%
2900 * ~J%
2901 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2902 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2903 * ~J%
2904 * v\xepersian@version, \xepersian@date~J%
2905 * ~J%
2906 * License: LaTeX Project Public License, version~J%
2907 * 1.3c or higher (your choice)~J%
2908 * ~J%
2909 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2910 * ~J%
2911 * Issue tracker: https://github.com/kvafa/xepersian/issues~J%
2912 * ~J%
2913 * Discussions: https://github.com/kvafa/xepersian/discussions~J%
2914 * ~J%
2915 * Primary author of xepersian package: Vafa Khalighi.~J%
2916 * ~J%
2917 *****}
2918 \typeout{\xepersian@info}
2919 \edef\xepersian@everyjob{\the\everyjob}
2920 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2921 \newcommand*\xepersianversion{
2922     \ensuremath\xepersian@version}
2923 \newcommand*\IfxepersianPackageVersionLater[1]{%
2924     \ifdim\xepersian@version pt > #1 pt %

```



```

2925 \expandafter\@firstoftwo
2926 \else
2927 \expandafter\@secondoftwo
2928 \fi}
2929 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2930 \ifdim\xepersian@version pt < #1 pt %
2931 \expandafter\@firstoftwo
2932 \else
2933 \expandafter\@secondoftwo
2934 \fi}
2935 \newcommand*\IfxepersianPackageVersion}[1]{%
2936 \ifdim\xepersian@version pt = #1 pt %
2937 \expandafter\@firstoftwo
2938 \else
2939 \expandafter\@secondoftwo
2940 \fi}
2941 \def\prq{«}
2942 \def\plq{»}
2943 \def\xepersian@cmds@temp#1{%
2944 \begingroup\expandafter\expandafter\expandafter\endgroup
2945 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2946 \begingroup
2947 \escapechar=-1 %
2948 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2949 \def\y{#1}%
2950 \def\z##1->{}%
2951 \edef\y{\expandafter\z\meaning\y}%
2952 \expandafter\endgroup
2953 \ifx\x\y
2954 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2955 \expandafter{%
2956 \csname#1\endcsname
2957 }%
2958 \fi
2959 \fi
2960 }%
2961 \xepersian@cmds@temp{shellescape}
2962 \newif\ifwritexviii
2963 \ifnum\xepersian@shellescape=1\relax
2964 \writexviii true
2965 \else
2966 \writexviii false
2967 \fi
2968 \newfontscript{Persian}{arab}
2969 \newfontlanguage{Persian}{FAR}
2970 \ExplSyntaxOn
2971
2972 \keys_define:nn {fontspec-opentype}
2973 {
2974 Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
2975 Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2976 Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2977 }
2978

```



```

2979 \keys_define:nn {fontspec-aat}
2980 {
2981   Ligatures / PersianTeX .code:n =
2982   {
2983     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
2984   }
2985 }
2986
2987 \keys_define:nn {fontspec-opentype}
2988 {
2989   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
2990   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2991   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2992 }
2993
2994 \keys_define:nn {fontspec-aat}
2995 {
2996   Ligatures / PersianTeXNoNumbers .code:n =
2997   {
2998     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
2999   }
3000 }
3001
3002 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3003 {
3004   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3005   \ignorespaces
3006 }
3007 \cs_new:Nn \__xepersian_main_settextfont:nn
3008 {
3009   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {RawFeature={script=arab},Lig
3010   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
3011   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3012   {
3013     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3014     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
3015     \exp_not:N \selectfont
3016   }
3017 }
3018 \str_if_eq:eeT {\familydefault} {\rmdefault}
3019 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3020 \__xepersian_settextfont_hook:nn {#1} {#2}
3021 \normalfont
3022 }
3023
3024 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3025
3026 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3027 {
3028   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3029   \ignorespaces
3030 }
3031 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3032 {

```



```

3033 \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3034 \use:x
3035 {
3036   \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3037   {
3038     \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
3039     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3040     \exp_not:N \selectfont
3041   }
3042 }
3043 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3044 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3045 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3046 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3047 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3048 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3049 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3050 \if@bidi@csundef{xepersian@D}{\%
3051   \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3052   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3053   \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3054   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3055   \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3056   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3057   \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3058   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3059 }
3060 }
3061
3062 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3063 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3064
3065 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3066
3067 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
3068 {
3069   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3070   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3071   \ignorespaces
3072 }
3073
3074
3075 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
3076 {
3077   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3078   \ignorespaces
3079 }
3080 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3081 {
3082   \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3083   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3084   {
3085     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3086     \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }

```



```

3087 \exp_not:N \selectfont
3088 }
3089 }
3090 \str_if_eq:eeT {\familydefault} {\rmdefault}
3091 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3092 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3093 \normalfont
3094 }
3095
3096 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3097
3098 \tl_set_eq:NN \setlatinsansfont \setsansfont
3099 \tl_set_eq:NN \setlatinmonofont \setmonofont
3100
3101 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3102 {
3103   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3104   \NewDocumentCommand
3105 }
3106 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3107 {
3108   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3109   \RenewDocumentCommand
3110 }
3111 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3112 {
3113   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {RawFeature={script=
3114   \use:x
3115   {
3116     \exp_not:N #4 \exp_not:N #1 {}
3117     {
3118       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3119       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3120       \exp_not:N \selectfont
3121     }
3122   }
3123 }
3124
3125 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3126 {
3127   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3128   \NewDocumentCommand
3129 }
3130 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3131 {
3132   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3133   \RenewDocumentCommand
3134 }
3135 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3136 {
3137   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#
3138   \use:x
3139   {
3140     \exp_not:N #4 \exp_not:N #1 {}

```





```

3141     {
3142         \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3143         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3144         \exp_not:N \selectfont
3145     }
3146 }
3147 }
3148
3149 \newcommand\persiansfdefault{}
3150 \newcommand\persianttdefault{}
3151 \newcommand\iranicsfdefault{}
3152 \newcommand\navarsfdefault{}
3153 \newcommand\pooksfdefault{}
3154 \newcommand\sayehsfdefault{}
3155 \DeclareRobustCommand\persiansffamily
3156     {\not@math@alphabet\persiansffamily\mathpersiansf
3157     \fontfamily\persiansfdefault\selectfont}
3158 \DeclareRobustCommand\persianttfamily
3159     {\not@math@alphabet\persianttfamily\mathpersiantt
3160     \fontfamily\persianttdefault\selectfont}
3161 \DeclareRobustCommand\iranicfamily
3162     {\not@math@alphabet\iranicfamily\mathiranicsf
3163     \fontfamily\iranicsfdefault\selectfont}
3164 \DeclareRobustCommand\navarfamilysf
3165     {\not@math@alphabet\navarfamilysf\mathnavarsf
3166     \fontfamily\navarsfdefault\selectfont}
3167 \DeclareRobustCommand\pookfamilysf
3168     {\not@math@alphabet\pookfamilysf\mathpooksf
3169     \fontfamily\pooksfdefault\selectfont}
3170 \DeclareRobustCommand\sayehsfamilysf
3171     {\not@math@alphabet\sayehsfamilysf\mathsayehsf
3172     \fontfamily\sayehsfdefault\selectfont}
3173 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3174 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3175 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
3176 \DeclareTextFontCommand{\textnavarsf}{\navarfamilysf}
3177 \DeclareTextFontCommand{\textpooksf}{\pookfamilysf}
3178 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamilysf}
3179
3180 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3181 {
3182     \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3183     \ignorespaces
3184 }
3185 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3186 {
3187     \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {RawFeature={script=arab}}
3188     \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3189     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3190     {
3191         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3192         \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3193         \exp_not:N \selectfont
3194     }

```



```

3195 }
3196 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3197 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3198 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3199 \normalfont
3200 }
3201
3202 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3203
3204 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3205 {
3206   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3207   \ignorespaces
3208 }
3209 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3210 {
3211   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {RawFeature={script=arab},
3212   \tl_set_eq:NN \persianttfdefault \l__xepersian_persianttfamily_family_tl
3213   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3214     {
3215       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3216       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3217       \exp_not:N \selectfont
3218     }
3219   }
3220   \str_if_eq:eeT {\familydefault} {\persianttfdefault}
3221   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3222   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3223   \normalfont
3224 }
3225
3226 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3227
3228 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3229 {
3230   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3231   \ignorespaces
3232 }
3233 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3234 {
3235   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {RawFeature={script=arab},Ligatures=No,
3236   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3237   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3238     {
3239       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3240       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3241       \exp_not:N \selectfont
3242     }
3243   }
3244   \str_if_eq:eeT {\familydefault} {\navardefault}
3245   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3246   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3247   \normalfont
3248 }

```



```

3249
3250 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3251
3252 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3253 {
3254   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3255   \ignorespaces
3256 }
3257 \cs_new:Nn \__xepersian_main_setpookfont:nn
3258 {
3259   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3260   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3261   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3262     {
3263       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3264       \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3265       \exp_not:N \selectfont
3266     }
3267   }
3268   \str_if_eq:eeT {\familydefault} {\pookdefault}
3269     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3270   \__xepersian_setpookfont_hook:nn {#1} {#2}
3271   \normalfont
3272 }
3273
3274 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3275
3276 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3277 {
3278   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3279   \ignorespaces
3280 }
3281 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3282 {
3283   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3284   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3285   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3286     {
3287       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3288       \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3289       \exp_not:N \selectfont
3290     }
3291   }
3292   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3293     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3294   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3295   \normalfont
3296 }
3297
3298 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3299
3300 \DeclareDocumentCommand \setiranifont { 0{} m 0{} }
3301 {
3302   \__xepersian_main_setiranifont:nn {#1,#3} {#2}

```



```

3303 \ignorespaces
3304 }
3305 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3306 {
3307 \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {RawFeature={script=arab},Ligatures={all}},Ligatures={all}
3308 \tl_set_eq:NN \iraniconfontdefault \l__xepersian_iranicfamily_family_tl
3309 \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3310 {
3311 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3312 \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
3313 \exp_not:N \selectfont
3314 }
3315 }
3316 \str_if_eq:eeT {\familydefault} {\iraniconfontdefault}
3317 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3318 \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3319 \normalfont
3320 }
3321
3322 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3323
3324 \ExplSyntaxOff
3325 \def\resetlatinfont{%
3326 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3327 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3328 \def\xepersian@@fontsize@scale{%
3329 \strip@pt\dimexpr 1pt * \dimexpr
3330 \xepersian@@latin@fontsize@scale pt\relax
3331 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3332 }%
3333 \def\xepersian@@baselineskip@scale{%
3334 \strip@pt\dimexpr 1pt * \dimexpr
3335 \xepersian@@latin@baselineskip@scale pt\relax
3336 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3337 }%
3338 \@nonlatinfalse%
3339 \let\normalfont\latinfont%
3340 \let\reset@font\normalfont%
3341 \latinfont%
3342 \fontsize\font@size\font@baselineskip%
3343 \selectfont%
3344 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3345 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3346 }
3347 \def\setpersianfont{%
3348 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3349 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3350 \let\xepersian@@fontsize@scale\@ne%
3351 \let\xepersian@@baselineskip@scale\@ne%
3352 \@nonlatintrue%
3353 \let\normalfont\persianfont%
3354 \let\reset@font\normalfont%
3355 \persianfont%
3356 \fontsize\font@size\font@baselineskip%

```



```

3357 \selectfont%
3358 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3359 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3360 }
3361 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3362 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3363 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3364 \def\endlatin{\endLTR}
3365 \newenvironment{latin*}{\latin
3366   \everypar{%
3367     {\setbox\z@\lastbox
3368       \ifvoid\z@
3369         \kern-\parindent
3370       \fi}%
3371   }%
3372 }{\endlatin\@endpetrue}
3373 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3374 \def\endpersian{\endRTL}
3375 \newenvironment{persian*}{\persian
3376   \everypar{%
3377     {\setbox\z@\lastbox
3378       \ifvoid\z@
3379         \kern-\parindent
3380       \fi}%
3381   }%
3382 }{\endpersian\@endpetrue}
3383 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
3384 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIANITEMS}}
3385 \let\originaltoday=\today
3386 \def\latintoday{\lr{\originaltoday}}
3387 \def\today{\rl{\persiantoday}}
3388 \def \@LTRmarginparreset {%
3389   \reset@font
3390   \resetlatinfont
3391   \normalsize
3392   \@minipagetrue
3393   \everypar{\@minipagefalse\everypar{}\beginL}%
3394 }
3395 \DeclareRobustCommand\Latincite{%
3396   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3397 \def\@Latincitex[#1]#2{\leavevmode
3398   \let\@citea\@empty
3399   \@cite{\lr{\@for\@citeb:=#2\do
3400     {\@citea\def\@citea{,\penalty\@m\ }%
3401     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3402     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3403     \@ifundefined{b\@citeb}{\hbox{\reset@font\bfseries ?}}%
3404     \G@refundefinedtrue
3405     \@latex@warning
3406       {Citation `'\@citeb' on page \thepage \space undefined}}%
3407     {\@citeofmt{\csname b\@citeb\endcsname}}}\{#1}}
3408
3409 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3410

```



```

3411 \newif\if@xepersian@@computeautoilg
3412 \newcount\xepersian@tcl
3413 \newdimen\xepersian@ilg
3414 \newdimen\xepersian@strutilg
3415 \chardef\f@ur=4
3416 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3417 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3418 \loop
3419 \iffontchar\font\xepersian@tcl
3420 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3421 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3422 \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3423 \fi
3424 \else
3425 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3426 \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3427 \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3428 \fi
3429 \fi
3430 \fi
3431 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3432 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3433 \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3434 \fi
3435 \else
3436 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3437 \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3438 \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3439 \fi
3440 \fi
3441 \fi
3442 \fi
3443 \advance\xepersian@tcl\@ne
3444 \ifnum\xepersian@tcl<1792\repeat
3445 \advance\xepersian@strutilg\xepersian@ilg
3446 % \ifdim\xepersian@strutilg>\baselineskip
3447 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3448 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3449 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3450 % \selectfont
3451 % \fi
3452 }
3453
3454 \newif\if@@textdigitfont@on
3455
3456 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3457 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3458
3459 \TextDigitFontOn
3460
3461 \newcommand*\xepersian@setlength[4]{%
3462 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3463 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3464 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi

```



```

3465         \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3466     \else
3467         \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3468     \fi
3469 \else
3470     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3471         \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3472     \else
3473         \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3474     \fi
3475 \fi
3476 \else
3477     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3478     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3479         \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3480     \else
3481         \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3482     \fi
3483 \else
3484     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3485         \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3486     \else
3487         \setlength{#1}{#2 \@plus#3 \@minus#4}%
3488     \fi
3489 \fi
3490 \fi
3491 }
3492
3493 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3494     \@defaultunits\@tempdima#2pt\relax\@nnil
3495     \setlength{\@tempdimc}{\@tempdima}%
3496     \addtolength{\@tempdimc}{-10\p@}%
3497     \edef\@ptsize{\strip@pt\@tempdimc}%
3498     \@defaultunits\@tempdimb#1pt\relax\@nnil
3499     \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3500     \edef\@tempb{\the\@tempdimc}%
3501     \setlength{\@tempdimc}{\@tempdima}%
3502     \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3503     \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3504     \xepersian@setlength{\abovedisplayskip}%
3505         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3506     \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3507     \xepersian@setlength{\belowdisplayshortskip}%
3508         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3509     \setlength{\belowdisplayskip}{\abovedisplayskip}%
3510     \edef\normalsize{%
3511         \noexpand\setfontsize\noexpand\normalsize
3512         {\the\@tempdima}{\the\@tempdimb}%
3513         \abovedisplayskip \the\abovedisplayskip
3514         \abovedisplayshortskip \the\abovedisplayshortskip
3515         \belowdisplayskip \the\belowdisplayskip
3516         \belowdisplayshortskip \the\belowdisplayshortskip
3517         \let\noexpand\@listi\noexpand\@listI
3518     }%

```



```

3519 \setlength{\@tempdima}{0.9125\@tempdimc}%
3520 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3521 \xepersian@setlength{\abovedisplayskip}%
3522         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3523 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3524 \xepersian@setlength{\belowdisplayshortskip}%
3525         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3526 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3527 \edef\small{%
3528     \noexpand\setfontsize\noexpand\small
3529     {\the\@tempdima}{\the\@tempdimb}%
3530     \abovedisplayskip \the\abovedisplayskip
3531     \abovedisplayshortskip \the\abovedisplayshortskip
3532     \belowdisplayskip \the\belowdisplayskip
3533     \belowdisplayshortskip \the\belowdisplayshortskip
3534     \let\noexpand\@listi\noexpand\@listi@small
3535 }%
3536 \setlength{\@tempdima}{.83334\@tempdimc}%
3537 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3538 \xepersian@setlength{\abovedisplayskip}%
3539         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3540 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3541 \xepersian@setlength{\belowdisplayshortskip}%
3542         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3543 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3544 \edef\footnotesize{%
3545     \noexpand\setfontsize\noexpand\footnotesize
3546     {\the\@tempdima}{\the\@tempdimb}%
3547     \abovedisplayskip \the\abovedisplayskip
3548     \abovedisplayshortskip \the\abovedisplayshortskip
3549     \belowdisplayskip \the\belowdisplayskip
3550     \belowdisplayshortskip \the\belowdisplayshortskip
3551     \let\noexpand\@listi\noexpand\@listi@footnotesize
3552 }%
3553 \setlength{\@tempdima}{.66667\@tempdimc}%
3554 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3555 \edef\scriptsize{%
3556     \noexpand\setfontsize\noexpand\scriptsize
3557     {\the\@tempdima}{\the\@tempdimb}%
3558 }%
3559 \setlength{\@tempdima}{.5\@tempdimc}%
3560 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3561 \edef\tiny{%
3562     \noexpand\setfontsize\noexpand\tiny
3563     {\the\@tempdima}{\the\@tempdimb}%
3564 }%
3565 \setlength{\@tempdima}{1.2\@tempdimc}%
3566 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3567 \edef\large{%
3568     \noexpand\setfontsize\noexpand\large
3569     {\the\@tempdima}{\the\@tempdimb}%
3570 }%
3571 \setlength{\@tempdima}{1.44\@tempdimc}%
3572 \setlength{\@tempdimb}{\@tempb\@tempdima}%

```





```

3573 \edef\Large{%
3574   \noexpand\setfontsize\noexpand\Large
3575   {\the\@tempdima}{\the\@tempdimb}%
3576 }%
3577 \setlength{\@tempdima}{1.728\@tempdimc}%
3578 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3579 \edef\LARGE{%
3580   \noexpand\setfontsize\noexpand\LARGE
3581   {\the\@tempdima}{\the\@tempdimb}%
3582 }%
3583 \setlength{\@tempdima}{2.074\@tempdimc}%
3584 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3585 \edef\huge{%
3586   \noexpand\setfontsize\noexpand\huge
3587   {\the\@tempdima}{\the\@tempdimb}%
3588 }%
3589 \setlength{\@tempdima}{2.488\@tempdimc}%
3590 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3591 \edef\Huge{%
3592   \noexpand\setfontsize\noexpand\Huge
3593   {\the\@tempdima}{\the\@tempdimb}%
3594 }%
3595 \normalsize
3596 \setlength{\@tempdimb}{\f@baselineskip}%
3597 \xepersian@setlength{\parsep}%
3598   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3599 \xepersian@setlength{\topsep}%
3600   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3601 \@tempswafalse
3602 \begingroup
3603   \def\@list@extra{\aftergroup\@tempwattrue}%
3604   \csname @listi\endcsname
3605 \endgroup
3606 \edef\@listi{\leftmargin\leftmargini
3607   \topsep \the\topsep
3608   \parsep \the\parsep
3609   \itemsep \parsep
3610   \if@tempswa\noexpand\@list@extra\fi
3611 }%
3612 \let\@listI\@listi
3613 \xepersian@setlength{\parsep}%
3614   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3615 \xepersian@setlength{\topsep}%
3616   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3617 \@tempswafalse
3618 \begingroup
3619   \def\@list@extra{\aftergroup\@tempwattrue}%
3620   \csname @listi\endcsname
3621 \endgroup
3622 \edef\@listi@small{\leftmargin\leftmargini
3623   \topsep \the\topsep
3624   \parsep \the\parsep
3625   \itemsep \parsep
3626   \if@tempswa\noexpand\@list@extra\fi

```



```

3627 }%
3628 \xepersian@setlength{\parsep}%
3629         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3630 \xepersian@setlength{\topsep}%
3631         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3632 \@tempswafalse
3633 \begingroup
3634 \def\@list@extra{\aftergroup\@tempwattrue}%
3635 \csname @listi\endcsname
3636 \endgroup
3637 \edef\@listi@footnotesize{\leftmargin\leftmargini
3638 \topsep \the\topsep
3639 \parsep \the\parsep
3640 \itemsep \parsep
3641 \if@tempswa\noexpand\@list@extra\fi
3642 }%
3643 \xepersian@setlength{\parsep}%
3644         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3645 \xepersian@setlength{\topsep}%
3646         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3647 \@tempswafalse
3648 \begingroup
3649 \def\@list@extra{\aftergroup\@tempwattrue}%
3650 \csname @listii\endcsname
3651 \endgroup
3652 \edef\@listii{\leftmargin\leftmarginii
3653 \labelwidth=\dimexpr \leftmargin-\labelsep
3654 \topsep \the\topsep
3655 \parsep \the\parsep
3656 \itemsep \parsep
3657 \if@tempswa\noexpand\@list@extra\fi
3658 }%
3659 \xepersian@setlength{\topsep}%
3660         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3661 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3662 \@tempswafalse
3663 \begingroup
3664 \def\@list@extra{\aftergroup\@tempwattrue}%
3665 \csname @listiii\endcsname
3666 \endgroup
3667 \edef\@listiii{\leftmargin\leftmarginiii
3668 \labelwidth=\dimexpr \leftmargin-\labelsep
3669 \topsep \the\topsep
3670 \parsep \z@
3671 \partopsep \the\partopsep
3672 \itemsep \topsep
3673 \if@tempswa\noexpand\@list@extra\fi
3674 }%
3675 \@tempswafalse
3676 \begingroup
3677 \def\@list@extra{\aftergroup\@tempwattrue}%
3678 \csname @listiv\endcsname
3679 \endgroup
3680 \edef\@listiv{\leftmargin\leftmarginiv

```



```

3681 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3682 \if@tempswa\noexpand\@list@extra\fi
3683 }%
3684 \@tempswafalse
3685 \begingroup
3686 \def\@list@extra{aftergroup\@tempwattrue}%
3687 \csname @listv\endcsname
3688 \endgroup
3689 \edef\@listv{\leftmargin\leftmarginv
3690 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3691 \if@tempswa\noexpand\@list@extra\fi
3692 }%
3693 \@tempswafalse
3694 \begingroup
3695 \def\@list@extra{aftergroup\@tempwattrue}%
3696 \csname @listvi\endcsname
3697 \endgroup
3698 \edef\@listvi{\leftmargin\leftmarginvi
3699 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3700 \if@tempswa\noexpand\@list@extra\fi
3701 }%
3702 \@listi
3703 \setlength{\@tempdimb}{\f@baselineskip}%
3704 \setlength{\footnotesep}{.555\@tempdimb}%
3705 \xepersian@setlength{\skip\footins}%
3706 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3707 \xepersian@setlength{\floatsep}%
3708 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3709 \xepersian@setlength{\textfloatsep}%
3710 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3711 \setlength{\intextsep}{\floatsep}%
3712 \setlength{\dblfloatsep}{\floatsep}%
3713 \setlength{\dbltextfloatsep}{\textfloatsep}%
3714 \setlength{\@fptop}{\z@ \@plus 1fil}%
3715 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3716 \setlength{\@fpbot}{\@fptop}%
3717 \setlength{\@dblfpbot}{\@fptop}%
3718 \setlength{\@dblfpsep}{\@fpsep}%
3719 \setlength{\@dblfpbot}{\@fptop}%
3720 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3721 }
3722
3723 \renewcommand*{\@bidi@logo}{%
3724 \bidi@logo@hb@xt@columnwidth
3725 {\hss\bfseries
3726
3727 \textsf{\XePersian}\quad\bidi@logo{xepersian-logo.pdf}}}
3728
3729 \renewcommand*{\@bidi@pdfcreator}{%
3730 The xepersian package, v\xepersian@version, \xepersian@date
3731 }
3732
3733 \newcommand*{\@xepersian@pdfcustomproperties}{%
3734 This is the xepersian package, Version \xepersian@version,

```



```

3735 Released May 24, 2022.
3736 }
3737
3738 \newcommand\twocolumnstableofcontents{%
3739 \if@bidi@csundef{multi@column@out}{%
3740 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3741 \begin{multicols}{2}[\section*{\contentsname}]{%
3742 \small
3743 \@starttoc{toc}%
3744 \end{multicols}}}%
3745 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
3746 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}%
3747 \AtBeginDocument{%
3748 \def\figurename{\if@RTL else\ Figure\fi}%
3749 \def\tablename{\if@RTL else\ Table\fi}%
3750 \def\contentsname{\if@RTL else\ Contents\fi}%
3751 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3752 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3753 \def\appendixname{\if@RTL else\ Appendix\fi}%
3754 \def\indexname{\if@RTL else\ Index\fi}%
3755 \def\refname{\if@RTL else\ References\fi}%
3756 \def\abstractname{\if@RTL else\ Abstract\fi}%
3757 \def\partname{\if@RTL else\ Part\fi}%
3758 \def\datename{\if@RTL else\ Date\fi}%
3759 \def\@and{\if@RTL else\ and\fi}%
3760 \def\bibname{\if@RTL else\ Bibliography\fi}%
3761 \def\chaptername{\if@RTL else\ Chapter\fi}%
3762 \def\ccname{\if@RTL else\ cc\fi}%
3763 \def\enclname{\if@RTL else\ encl\fi}%
3764 \def\pagename{\if@RTL else\ Page\fi}%
3765 \def\headtoname{\if@RTL else\ To\fi}%
3766 \def\proofname{\if@RTL else\ Proof\fi}%
3767 }
3768 \def\@Abjad#1{%
3769 \ifcase#1\or or\ or\ or\ %
3770 \or or\ or\ or\ or\ %
3771 \or or\ or\ or\ or\ %
3772 \or or\ or\ or\ %
3773 \or or\ or\ or\ or\ %
3774 \or or\ or\ or\ or\ %
3775 \else\@ctrerr\fi}
3776 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3777 \let\Abjadnumeral\@Abjad
3778 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3779 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3780 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3781 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3782 \let\harfinumeral\@harfi
3783 \newcommand{\adadi}[1]{%
3784 \expandafter\@adadi\csname c@#1\endcsname%
3785 }
3786 \newcommand{\@adadi}[1]{%
3787 \xepersian@numberstring{#1}\xepersian@yekanii{ }}%
3788 }

```



```

3789 \let\adadinumeral\@adadi%
3790 \def\xepersian@numberoutofrange#1#2{%
3791 \PackageError{xepersian}{The number `#1' is too large %
3792 to be formatted using xepersian}{The largest possible %
3793 number is 999,999,999.}%
3794 }
3795 \def\xepersian@numberstring#1#2#3#4{%
3796 \ifnum\number#1<\@ne%
3797 #3%
3798 \else\ifnum\number#1<1000000000 %
3799 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3800 \else%
3801 \xepersian@numberoutofrange{#1}{#4}%
3802 \fi\fi%
3803 }
3804 \def\xepersian@adadi#1#2{%
3805 \expandafter\xepersian@@adadi%
3806 \ifcase%
3807 \ifnum#1<10 1%
3808 \else\ifnum#1<100 2%
3809 \else\ifnum#1<\@m 3%
3810 \else\ifnum#1<\@M 4%
3811 \else\ifnum#1<100000 5%
3812 \else\ifnum#1<1000000 6%
3813 \else\ifnum#1<10000000 7%
3814 \else\ifnum#1<100000000 8%
3815 \else9%
3816 \fi\fi\fi\fi\fi\fi\fi\fi %
3817 \or00000000#1% case 1: Add 8 leading zeros
3818 \or0000000#1% case 2: Add 7 leading zeros
3819 \or000000#1% case 3: Add 6 leading zeros
3820 \or00000#1% case 4: Add 5 leading zeros
3821 \or0000#1% case 5: Add 4 leading zeros
3822 \or000#1% case 6: Add 3 leading zeros
3823 \or00#1% case 7: Add 2 leading zeros
3824 \or0#1% case 8: Add 1 leading zero
3825 \or#1% case 9: Add no leading zeros
3826 \or%
3827 \@nil#2%
3828 \fi%
3829 }
3830 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3831 \ifnum#1#2#3>\z@
3832 \xepersian@milyoongan#1#2#3%
3833 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3834 \fi%
3835 \ifnum#4#5#6>\z@%
3836 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3837 \ifnum#4#5#6>\@ne\fi%
3838 %
3839 \ifnum#7>\z@ \fi%
3840 \fi%
3841 \xepersian@sadgan#7{#4#5#6}1#9%
3842 }

```



```

3843 \def\xepersian@milyoongan#1#2#3{%
3844 \ifnum#1#2#3=\@ne%
3845 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3846 %
3847 %
3848 \else%
3849 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3850 %
3851 %
3852 \fi%
3853 }
3854 \def\xepersian@sadgan#1#2#3#4#5#6{%
3855 \ifnum#1>\z@%
3856 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3857 %
3858 \ifnum#2#3>\z@ \fi%
3859 \fi%
3860 \ifnum#2#3<20%
3861 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3862 \else%
3863 \xepersian@dahgan#2%
3864 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3865 #60%
3866 \fi%
3867 }
3868 \def\xepersian@yekani#1{%
3869 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3870 \or or\ or\ or\ or\ or\ or\ %
3871 \or or\ or\ or\ %
3872 \or or\ %fi\
3873 }
3874 \def\xepersian@yekanii#1{%
3875 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3876 }
3877 \def\xepersian@yekanii#1{%
3878 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3879 }
3880 \def\xepersian@yekaniv#1{%
3881 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3882 \or or\ or\ %fi\
3883 }
3884 \def\xepersian@dahgan#1{%
3885 \ifcase#1\or\or or\ or\ %
3886 \or or\ or\ or\ %
3887 \or %fi\
3888 }
3889 \newcommand{\tartibi}[1]{%
3890 \expandafter\tartibi\csname c@#1\endcsname%
3891 }
3892 \newcommand{\@tartibi}[1]{%
3893 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3894 }
3895 \let\tartibinumeral\@tartibi%
3896 \def\xepersian@numberstring@tartibi#1#2#3#4{%

```



```

3897 \ifnum\number#1<\@ne%
3898 #3%
3899 \else\ifnum\number#1<1000000000 %
3900 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3901 \else%
3902 \xepersian@numberoutofrange{#1}{#4}%
3903 \fi\fi%
3904 }
3905 \def\xepersian@adadi@tartibi#1#2{%
3906 \expandafter\xepersian@@adadi@tartibi%
3907 \ifcase%
3908 \ifnum#1<10 1%
3909 \else\ifnum#1<100 2%
3910 \else\ifnum#1<\@m 3%
3911 \else\ifnum#1<\@M 4%
3912 \else\ifnum#1<100000 5%
3913 \else\ifnum#1<1000000 6%
3914 \else\ifnum#1<10000000 7%
3915 \else\ifnum#1<100000000 8%
3916 \else9%
3917 \fi\fi\fi\fi\fi\fi\fi\fi %
3918 \or00000000#1% case 1: Add 8 leading zeros
3919 \or0000000#1% case 2: Add 7 leading zeros
3920 \or000000#1% case 3: Add 6 leading zeros
3921 \or00000#1% case 4: Add 5 leading zeros
3922 \or0000#1% case 5: Add 4 leading zeros
3923 \or000#1% case 6: Add 3 leading zeros
3924 \or00#1% case 7: Add 2 leading zeros
3925 \or0#1% case 8: Add 1 leading zero
3926 \or#1% case 9: Add no leading zeros
3927 \or%
3928 \@nil#2%
3929 \fi%
3930 }
3931 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3932 \ifnum#1#2#3>\z@
3933 \xepersian@milyoongan@tartibi#1#2#3%
3934 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3935 \fi%
3936 \ifnum#4#5#6>\z@%
3937 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3938 \ifnum#4#5#6>\@ne \fi%
3939 %
3940 \ifnum#7>\z@\ \fi%
3941 \fi%
3942 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3943 }
3944 \def\xepersian@milyoongan@tartibi#1#2#3{%
3945 \ifnum#1#2#3=\@ne%
3946 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3947 %
3948 %
3949 \else%
3950 \xepersian@sadgan#1#2#301\xepersian@yekanii%

```



```

3951 %
3952 %
3953 \fi%
3954 }
3955 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3956 \ifnum#1>\z0%
3957 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3958 %
3959 \ifnum#2#3>\z0\ \fi%
3960 \fi%
3961 \ifnum#2#3<20%
3962 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3963 \else%
3964 \ifnum#2#3=30%
3965 \xepersian@dahgan@tartibi#2%
3966 \else%
3967 \xepersian@dahgan#2%
3968 \fi%
3969 \ifnum#3>\z0\ \xepersian@yekanv#3\fi%
3970 #60%
3971 \fi%
3972 }
3973 \def\xepersian@dahgan@tartibi#1{%
3974 \ifcase#1\or\or\or\ \or\ %
3975 \or\or\ \or\ \or\ \or\ %
3976 \or %fi\
3977 }
3978 \def\xepersian@tartibi#1{%
3979 \ifcase#1\or\or\ \or\ \or\ \or\ %
3980 \or\or\ \or\ \or\ \or\ \or\ %
3981 \or\or\ \or\ \or\ \or\ %
3982 \or\or\ \or\ \or\ %
3983 \or\or\ \or\ %fi\
3984 }
3985 \def\xepersian@yekanv#1{%
3986 \ifcase#1\@empty\or\or\ \or\ \or\ \or\ \or\ \or\ %
3987 \or\or\ \or\ \or\ \or\ \or\ \or\ \or\ %
3988 \or\or\ \or\ \or\ \or\ %
3989 \or\or\ %fi\
3990 }
3991 \providecommand*\xpg@warning}[1]{%
3992 \PackageWarning{XePersian}%
3993 {#1}}
3994 \if@bidi@csundef{@abjad}{%
3995 \def\@abjad#1{%
3996 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3997 \else
3998 \ifnum#1<\z0\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3999 \else
4000 \ifnum#1<10\expandafter\abj@num@i\number#1%
4001 \else
4002 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4003 \else
4004 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%

```





```

4005         \else
4006             \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4007             \fi
4008         \fi
4009     \fi
4010 \fi
4011 \fi
4012 \fi
4013 }
4014 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4015 \let\abjadnumeral\@abjad
4016 \def\abjad@zero{}
4017 \def\abj@num@i#1{%
4018     \ifcase#1\or or\ or\ or\ %
4019         \or or\ or\ or\ or\ fi\
4020     \ifnum#1=\z@\abjad@zero\fi}
4021 \def\abj@num@ii#1{%
4022     \ifcase#1\or or\ or\ or\ or\ %
4023         \or or\ or\ or\ fi\
4024     \ifnum#1=\z@\fi\abj@num@i}
4025 \def\abj@num@iii#1{%
4026     \ifcase#1\or or\ or\ or\ or\ %
4027         \or or\ or\ or\ fi\
4028     \ifnum#1=\z@\fi\abj@num@ii}
4029 \def\abj@num@iv#1{%
4030     \ifcase#1\or fi\
4031     \ifnum#1=\z@\fi\abj@num@iii}
4032 }{}
4033 \let\@latinalph\@alph%
4034 \let\@latinAlph\@Alph%
4035 \def\LatinAlphs{%
4036     \let\@alph\@latinalph%
4037     \let\@Alph\@latinAlph%
4038 }
4039 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
4040 \renewcommand*{\bidi@thebibliography@font@hook}{%
4041     \ifLTRbibitems
4042         \resetlatinfont
4043     \fi}
4044 \bidi@AfterEndPreamble{%
4045     \if@bidi@csundef{persianfont}{%
4046         \PackageError{xepersian}{You have not specified any font\MessageBreak
4047         for the main Persian text}{Use '\settextfont' to load a font.}%
4048     }{}
4049     \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4050     \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4051     \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4052     \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4053     \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4054     \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4055     \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4056     \ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4057     \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4058     \ifpackageloaded{bidituftesidenote}{\input{bidituftesidenote-xepersian.def}}{}

```



```

4059 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4060 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4061 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4062 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4063 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4064 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4065 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4066 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4067 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4068 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4069 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4070 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
4071 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4072 \ifclassloaded{article}{\input{article-xepersian.def}}{}
4073 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4074 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4075 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4076 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4077 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4078 \ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4079 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4080 \ifclassloaded{report}{\input{report-xepersian.def}}{}
4081 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4082 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4083 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4084 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4085 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4086 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4087 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4088 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4089 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4090 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4091 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4092 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4093 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4094 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4095 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4096
4097 \def\xepersian@@fontsize@branch#1{%
4098   \tempcnta\z@
4099   \for\xepersian@tmp:=#1\do{%
4100     \KV@@sp@def\xepersian@frag{\xepersian@tmp}%
4101     \ifcase\tempcnta\relax% cnta == 0
4102       \edef\xepersian@value{\xepersian@frag}%
4103       \setfontsize{\xepersian@frag}%
4104     \or% cnta == 1
4105       \setfontsize[\xepersian@frag]{\xepersian@value}%
4106     \else\fi
4107     \advance\tempcnta\@ne}%
4108 }
4109
4110
4111 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4112 \ifcase\xepersian@tempb\relax

```



```

4113 \AutoMathDigits
4114 \or
4115 \DefaultMathDigits
4116 \or
4117 \PersianMathDigits
4118 \fi}
4119 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automat
4120 \ifcase\xepersian@tempb\relax
4121 \AutoInlineMathDigits
4122 \or
4123 \DefaultInlineMathDigits
4124 \or
4125 \PersianInlineMathDigits
4126 \fi}
4127 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automat
4128 \ifcase\xepersian@tempb\relax
4129 \AutoDisplayMathDigits
4130 \or
4131 \DefaultDisplayMathDigits
4132 \or
4133 \PersianDisplayMathDigits
4134 \fi}
4135 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4136 \ifcase\xepersian@tempb\relax
4137 \@RTLtrue
4138 \or
4139 \@RTLfalse
4140 \fi}
4141
4142 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{rightto
4143 \ifcase\xepersian@tempb\relax
4144 \@RTLtrue
4145 \or
4146 \@RTLfalse
4147 \fi}
4148
4149
4150 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttole
4151 \ifcase\xepersian@tempb\relax
4152 \@RTLtabtrue
4153 \or
4154 \@RTLtabfalse
4155 \fi}
4156
4157 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[la
4158 \ifcase\xepersian@tempb\relax
4159 \@nonlatinfalse
4160 \or
4161 \@nonlatintrue
4162 \fi}
4163
4164 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4165 \ifcase\xepersian@tempb\relax
4166 \@RTLtrue

```



```

4167 \or
4168 \RTLfalse
4169 \fi}
4170 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,1
4171 \ifcase\xepersian@tempb\relax
4172 \autofootnoterule
4173 \or
4174 \leftfootnoterule
4175 \or
4176 \rightfootnoterule
4177 \or
4178 \SplitFootnoteRule
4179 \or
4180 \textwidthfootnoterule
4181 \fi}
4182 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
4183 \ifcase\xepersian@tempb\relax
4184 \RTL@footnotetrue
4185 \or
4186 \RTL@footnotefalse
4187 \fi}
4188 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on
4189 \ifcase\xepersian@tempb\relax
4190 \footdir@debugtrue
4191 \or
4192 \footdir@debugfalse
4193 \fi}
4194 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4195 \ifcase\xepersian@tempb\relax
4196 \input{kashida-xepersian.def}
4197 \fi}
4198 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4199 \ifcase\xepersian@tempb\relax
4200 \input{localise-xepersian.def}
4201 \fi}
4202 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on
4203 \ifcase\xepersian@tempb\relax
4204 \@extrafootnotefeaturestrue
4205 \or
4206 \@extrafootnotefeaturesfalse
4207 \fi}
4208 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4209 \ifcase\xepersian@tempb\relax
4210 \PackageWarning{xepersian}{Obsolete option}%
4211 \ifwritexviii%
4212 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4213 \renewcommand\printindex{\newpage%
4214 \immediate\closeout\@indexfile
4215 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4216 \@input@{\jobname.ind}}}%
4217 \else
4218 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4219 \fi
4220 \fi}

```



```

4221 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,of}
4222 \ifcase\xepersian@tempb\relax
4223   \ifwritexviii%
4224     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4225       \renewcommand\printindex{\newpage%
4226         \immediate\closeout\@indexfile
4227         \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobna
4228         \@input{\jobname.ind}}}%
4229     \else
4230       \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4231     \fi
4232   \fi}
4233 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,of}
4234 \ifcase\xepersian@tempb\relax
4235   \ifwritexviii%
4236     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4237       \renewcommand\printindex{\newpage%
4238         \immediate\closeout\@indexfile
4239         \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobna
4240         \@input{\jobname.ind}}}%
4241     \else
4242       \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4243     \fi
4244   \fi}
4245 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4246   \ifcase\xepersian@tempb\relax
4247     \def\PersianAlphs{%
4248       \let\@alph\@abjad%
4249       \let\@Alph\@abjad%
4250     }
4251   \or
4252     \def\PersianAlphs{%
4253       \let\@alph\@Abjad%
4254       \let\@Alph\@Abjad%
4255     }
4256   \fi}
4257 \DeclareOptionX{defaultlatinfontfeatures}{%
4258 \defaultfontfeatures
4259 [\latinfont]
4260 {#1}
4261 }
4262
4263 \DeclareOptionX{mathfontsizescale}{%
4264   \def\xepersian@@math@fontsize@scale{#1}%
4265   }
4266
4267 \DeclareOptionX{fontsizescale}{%
4268   \def\xepersian@@fontsize@scale{#1}%
4269   }
4270
4271 \DeclareOptionX{fontsize}{%
4272   \xepersian@@fontsize@branch{#1}%
4273   }
4274

```



```

4275 \DeclareOptionX{latinfontssizescale}{%
4276   \def\xepersian@@latin@fontsize@scale{#1}%
4277 }
4278
4279 \DeclareOptionX{baselineskipscale}{%
4280   \def\xepersian@@baselineskip@scale{#1}%
4281 }
4282
4283 \DeclareOptionX{latinbaselineskipscale}{%
4284   \def\xepersian@@latin@baselineskip@scale{#1}%
4285 }
4286
4287 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4288   \ifcase\xepersian@tempb\relax
4289     \AtBeginDocument{\@bidi@inslogo}%
4290   \or
4291     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4292   \fi}
4293
4294 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4295   \ifcase\xepersian@tempb\relax
4296     \@bidi@pdfm@marktrue
4297   \or
4298     \@bidi@pdfm@markfalse
4299   \fi}
4300
4301 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4302   \ifcase\xepersian@tempb\relax
4303     \@xepersian@@computeautoilgtrue
4304   \or
4305     \@xepersian@@computeautoilgfalse
4306   \fi}
4307
4308 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4309   \ifcase\xepersian@tempb\relax
4310     \def\bidi@firstcolumn@status@write{%
4311       \protected@write\@auxout{%
4312         {\string\bidi@column@status
4313          {1}}}%
4314     \def\bidi@lastcolumn@status@write{%
4315       \protected@write\@auxout{%
4316         {\string\bidi@column@status{2}}}%
4317   \or
4318     \let\bidi@firstcolumn@status@write\relax
4319     \let\bidi@lastcolumn@status@write\relax
4320   \fi}
4321
4322
4323 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4324   \ifcase\xepersian@tempb\relax
4325     \bidi@AtEndPreamble{%
4326       \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4327       {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4328     }

```



```

4329 \or
4330 \relax
4331 \fi}
4332
4333 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}[
4334 \ifcase\xepersian@tempb\relax
4335 \@bidi@perpage@footnotetrue
4336 \or
4337 \@bidi@perpage@footnotefalse
4338 \fi}
4339
4340 \ExecuteOptionsX{%
4341 documentdirection=righttoleft,
4342 tabledirection=righttoleft,
4343 script=nonlatin,
4344 footnotedirection=righttoleft,
4345 footnoterule=automatic,
4346 abjadvariant=two,
4347 DetectColumn=off,
4348 fontsizescale=\@ne,
4349 latinfontsizescale=\@ne,
4350 mathfontsizescale=\@ne,
4351 baselineskip scale=\@ne,
4352 latinbaselineskip scale=\@ne
4353 }
4354
4355 \ProcessOptionsX
4356
4357 \if@extrafootnote features
4358 \input{extrafootnote features-xetex-bidi.def}%
4359 \input{extrafootnote features-xepersian.def}%
4360 \fi
4361
4362 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4363 \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4364 }{}{}
4365
4366 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4367 \@tempkipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4368 }{}{}
4369
4370
4371 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4372 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4373 \dimexpr 1pt * \dimexpr #1 pt\relax /
4374 \dimexpr \xepersian@@fontsize@scale pt\relax
4375 \relax\relax
4376 }
4377
4378 \bidi@patchcmd{\getanddefine@fonts}{%
4379 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4380 }{%
4381 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4382 }{}{}

```



```

4383
4384 \bidi@patchcmd{\getanddefine@fonts}{%
4385   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4386 }{%
4387   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4388 }{}{}
4389
4390 \bidi@patchcmd{\getanddefine@fonts}{%
4391   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4392 }{%
4393   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4394 }{}{}
4395
4396
4397 \ifx\xepersian@@computeautoilg
4398 \bidi@patchcmd{\set@fontsize}{%
4399 \baselineskip\f@baselineskip\relax
4400 }{%
4401 \baselineskip\f@baselineskip\relax
4402 \xepersian@computeautoilg
4403 \ifdim\xepersian@strutilg>\baselineskip
4404 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4405 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4406 \baselineskip\xepersian@strutilg
4407 \ifdim\footnotesep=.7\baselineskip
4408 \else
4409 \footnotesep=.7\baselineskip
4410 \fi
4411 \fi
4412 }{}{}
4413 \fi
4414
4415 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4416 \PersianAlphs

```

## 62 File xepersian-magazine.cls

```

4417 \NeedsTeXFormat{LaTeX2e}
4418 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4419 \RequirePackage{ifthen}
4420 \newlength{\xepersian@imgsize}
4421 \newlength{\xepersian@coltitsize}
4422 \newlength{\xepersian@pageneed}
4423 \newlength{\xepersian@pageleft}
4424 \newlength{\xepersian@indexwidth}
4425 \newcommand{\xepersian@ncolumns}{0}
4426 \newlength{\columnlines}
4427 \setlength{\columnlines}{0 pt} % no lines by default
4428 \newboolean{xepersian@hyphenatedtitles}
4429 \setboolean{xepersian@hyphenatedtitles}{true}
4430 \newboolean{xepersian@ninepoints}
4431 \setboolean{xepersian@ninepoints}{false}
4432 \newboolean{xepersian@showgrid}
4433 \setboolean{xepersian@showgrid}{false}

```





```

4434 \newboolean{xepersian@a3paper}
4435 \setboolean{xepersian@a3paper}{false}
4436 \newboolean{xepersian@insidefrontpage}
4437 \setboolean{xepersian@insidefrontpage}{false}
4438 \newboolean{xepersian@insideweather}
4439 \setboolean{xepersian@insideweather}{false}
4440 \newboolean{xepersian@insideindex}
4441 \setboolean{xepersian@insideindex}{false}
4442 \newcount\xepersian@gridrows
4443 \newcount\xepersian@gridcolumns
4444 \xepersian@gridrows=40
4445 \xepersian@gridcolumns=50
4446 \newcount\minraggedcols
4447 \minraggedcols=5
4448 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4449 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4450 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4451 \DeclareOption{twocolumn}%
4452 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4453 \DeclareOption{notitlepage}%
4454 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4455 \DeclareOption{twoside}%
4456 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4457 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4458 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4459 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4460 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4461 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4462 \ProcessOptions\relax
4463 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4464 \RequirePackage{ifxetex}
4465 \RequirePackage{multido}
4466 \RequirePackage{datetime}
4467 \RequirePackage{multicol}
4468 \RequirePackage{fancyhdr}
4469 \RequirePackage{fancybox}
4470 \ifthenelse{\boolean{xepersian@a3paper}}{%
4471 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4472 }{
4473 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4474 }
4475 \RequirePackage[absolute]{textpos} % absolute positioning
4476 \RequirePackage{hyphenat} % when hyphenate
4477 \RequirePackage{lastpage} % to know the last page number
4478 \RequirePackage{setspace} % set space between lines
4479 \RequirePackage{ragged2e}
4480 \newcommand{\raggedFormat}{\RaggedLeft}
4481 \AtEndOfClass{\xepersianInit}
4482 \ifthenelse{\boolean{xepersian@showgrid}}{%
4483 \AtBeginDocument{
4484 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}
4485 \advance\minraggedcols by -1
4486 }{%
4487 \AtBeginDocument{

```



```

4488 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4489 \advance\minraggedcols by -1
4490 }
4491 \ifthenelse{\boolean{xepersian@ninepoints}}{
4492 \renewcommand{\normalsize}{%
4493 \setfontsize{\normalsize}{9pt}{10pt}%
4494 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4495 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4496 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4497 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4498
4499 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4500
4501 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4502
4503 \renewcommand{\small}{%
4504 \setfontsize{\small}{8pt}{9pt}%
4505 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4506 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4507 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4508 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4509
4510 \renewcommand{\footnotesize}{%
4511 \setfontsize{\footnotesize}{8pt}{9pt}%
4512 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4513 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4514 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4515 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4516
4517 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4518 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4519 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4520 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4521 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4522 }{}
4523 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4524 \newcommand{\xepersian@wwwFormat}{\sffamily}
4525 \newcommand{\xepersian@www}{%
4526 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4527 }
4528 \newcommand{\xepersian@edition}{
4529 \newcommand{\editionFormat}{\large\bfseries\texttt}
4530 \newcommand{\xepersian@editionLogo}{%
4531 \raisebox{-3pt}{%
4532 {\editionFormat\xepersian@edition}%
4533 }%
4534 }
4535 \newcommand{\indexFormat}{\large\bfseries}
4536 \newcommand{\xepersian@indexFrameTitle}[1]
4537 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4538
4539 \newcommand{\indexEntryFormat}{\normalsize}
4540 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4541 {\indexEntryFormat\noindent\ignorespaces{#1}}%

```



```

4542 \end{minipage}}
4543 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4544 \newcommand{\indexEntryPageTxt}{ }
4545 \newcommand{\indexEntryPageFormat}{\footnotesize}
4546 \newcommand{\xepersian@indexEntryPage}[1]{%
4547 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4548 }
4549 \newcommand{\headDateTimeFormat}{}
4550 \newcommand{\xepersian@headDateTime}{%
4551 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4552 \currenttime %
4553 }
4554 \newcommand{\weatherFormat}{\bfseries}
4555 \newcommand{\xepersian@weather}[1]{%
4556 \noindent{\weatherFormat #1}%
4557 }
4558 \newcommand{\weatherTempFormat}{\small}
4559 \newcommand{\weatherUnits}{\textdegree}{C}
4560 \newcommand{\xepersian@section}[0]{ { {
4561 \newcommand{\xepersian@headleft}{%
4562 {\small\bfseries \@custommagazinename} \date
4563 }
4564 \newcommand{\xepersian@headcenter}{%
4565 \xepersian@section{}
4566 }
4567 \newcommand{\xepersian@headright}{%
4568 \small\xepersian@edition%
4569 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4570 }
4571
4572 \newcommand{\heading}[3]{%
4573 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4574 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4575 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4576 }
4577 \newcommand{\xepersian@footright}{%
4578 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4579 }
4580 \newcommand{\xepersian@footcenter}{%
4581 }
4582 \newcommand{\xepersian@footleft}{%
4583 }
4584
4585 \newcommand{\foot}[3]{%
4586 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4587 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4588 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4589 }
4590 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4591 \newcommand{\xepersian@firstTitle}[1]{%
4592 {%
4593 \begin{spacing}{2.0}{%
4594 \noindent\ignorespaces
4595 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%

```



```

4596 {\nohyphens{\firstTitleFormat #1}}%
4597 {\firstTitleFormat #1}}%
4598 }%
4599 \end{spacing}%
4600 }%
4601 }
4602 \newcommand{\firstTextFormat}{%
4603 \newcommand{\xepersian@firstText}[1]{%
4604 {\noindent\ignorespaces\firstTextFormat #1}%
4605 }
4606 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4607 \newcommand{\xepersian@secondTitle}[1]{%
4608 \begin{spacing}{1.5}{%
4609 \noindent\ignorespaces\flushright
4610 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4611 {\nohyphens{\secondTitleFormat #1}}%
4612 {\secondTitleFormat #1}}%
4613 }\end{spacing}%
4614 }
4615 \newcommand{\secondSubtitleFormat}{\large}
4616 \newcommand{\xepersian@secondSubtitle}[1]{%
4617 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4618 }
4619 \newcommand{\secondTextFormat}{%
4620 \newcommand{\xepersian@secondText}[1]{%
4621 \begin{multicols}{2}
4622 {\noindent\ignorespaces\secondTextFormat #1}
4623 \end{multicols}
4624 }
4625 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4626 \newcommand{\xepersian@thirdTitle}[1]{%
4627 \begin{spacing}{1.5}{%
4628 \noindent\ignorespaces\flushright
4629 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4630 {\nohyphens{\thirdTitleFormat #1}}%
4631 {\thirdTitleFormat #1}}%
4632 }\end{spacing}%
4633 }
4634 \newcommand{\thirdSubtitleFormat}{\large}
4635 \newcommand{\xepersian@thirdSubtitle}[1]{%
4636 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4637 \newcommand{\thirdTextFormat}{%
4638 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4639 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4640 \newcommand{\xepersian@pictureCaption}[1]{%
4641 {\noindent\pictureCaptionFormat #1}%
4642 }
4643 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4644 \newcommand{\xepersian@pages}[1]{%
4645 {\noindent{\pagesFormat\MakeUppercase{#1}}}}
4646 \newcommand{\innerTitleFormat}{\Huge}
4647 \newcommand{\xepersian@innerTitle}[1]{%
4648 \begin{flushright}{%
4649 \noindent

```



```

4650 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4651 {\nohyphens{\innerTitleFormat #1}}%
4652 {\innerTitleFormat #1}}%
4653 }%
4654 %%
4655 \end{flushright}%
4656 }
4657 \newcommand{\innerSubtitleFormat}{\large}
4658 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4659 \newcommand{\timestampTxt}{}
4660 \newcommand{\timestampSeparator}{|}
4661 \newcommand{\timestampFormat}{\small}
4662 \newcommand{\timestamp}[1]{%
4663 {\timestampFormat%
4664 #1~\timestampTxt}%
4665 }~\timestampSeparator}%
4666 }
4667 \newcommand{\innerAuthorFormat}{\footnotesize}
4668 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4669 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4670 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4671 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4672 \newcommand{\editorialAuthorFormat}{\textsc}
4673 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4674 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4675 \newcommand{\shortarticleSubtitleFormat}{\Large}
4676 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4677 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4678 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4679 \renewcommand{\maketitle}{\begin{titlepage}%
4680 \let\footnotesize\small
4681 \let\footnoterule\relax
4682 \let \footnote \thanks
4683 \null\vfil
4684 \vskip 60\p@
4685 \begin{center}%
4686 {\LARGE \@title \par}%
4687 \vskip 1em%
4688 {\LARGE «\xepersian@edition» \par}%
4689 \vskip 3em%
4690 {\large
4691 \lineskip .75em%
4692 \begin{tabular}[t]{c}%
4693 \@author
4694 \end{tabular}\par}%
4695 \vskip 1.5em%
4696 {\large \@date \par}%
4697 \end{center}\par
4698 \@thanks
4699 \vfil\null
4700 \end{titlepage}%
4701 \setcounter{footnote}{0}%
4702 \global\let\thanks\relax
4703 \global\let\maketitle\relax

```



```

4704 \global\let\@thanks\@empty
4705 \global\let\@author\@empty
4706 \global\let\@date\@empty
4707 \global\let\@title\@empty
4708 \global\let\title\relax
4709 \global\let\author\relax
4710 \global\let\date\relax
4711 \global\let\and\relax
4712 }
4713 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4714 \newsavebox{\xepersian@fmbox}
4715 \newenvironment{xepersian@fmpage}[1]
4716 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4717 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4718 \newcommand{\image}[2]{
4719 \vspace{5pt}
4720 \setlength{\fboxsep}{1pt}
4721 \addtolength{\xepersian@imgsize}{\columnwidth}
4722 \addtolength{\xepersian@imgsize}{-1\columnsep}
4723 \ifxetex
4724 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4725 \addtolength{\xepersian@pageneed}{50pt}
4726 \ClassWarning{xepersian-magazine}{%
4727 Image #1 needs: \the\xepersian@pageneed \space %
4728 and there is left: \the\page@free\space%
4729 }
4730 \ifdim \xepersian@pageneed < \page@free
4731
4732 {\centering\fbox{%
4733 \includegraphics[width = \xepersian@imgsize,
4734 height = \xepersian@imgsize,
4735 keepaspectratio ]{#1}}}
4736 \xepersian@pictureCaption{#2}
4737
4738 \vspace{5pt}
4739 \else
4740 \ClassWarning{Image #1 needs more space!%
4741 It was not inserted!}
4742 \fi
4743 \fi
4744 }
4745 \textblockorigin{1cm}{1cm}
4746 \newdimen\xepersian@dx
4747 \newdimen\xepersian@dy
4748 \newcount\xepersian@cx
4749 \newcount\xepersian@cy
4750 \newcommand{\grid}[3][ ]{
4751 \xepersian@dx=\textwidth%
4752 \xepersian@dy=\textheight%
4753 \xepersian@cx=#3% %columns
4754 \xepersian@cy=#2% %rows
4755
4756 \count1=#3%
4757 \advance\count1 by 1

```



```

4758
4759 \count2=#2%
4760 \advance\count2 by 1
4761
4762 \divide\xepersian@dx by #3
4763 \divide\xepersian@dy by #2
4764
4765 \setlength{\TPHorizModule}{\xepersian@dx}
4766 \setlength{\TPVertModule}{\xepersian@dy}
4767
4768 \ifthenelse{\equal{#1}{show}}{
4769 \multido{\xepersian@nrow=0+1}{\count2}{
4770 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4771 \rule[0pt]{\textwidth}{.1pt}
4772 \end{textblock}
4773 }
4774
4775 \multido{\xepersian@ncol=0+1}{\count1}{
4776 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4777 \rule[0pt]{.1pt}{\textheight}
4778 \end{textblock}
4779 }
4780 }{}
4781 }
4782 \newcommand{\xepersianInit}{
4783 \setlength{\headheight}{14pt}
4784 \renewcommand{\headrulewidth}{0.4pt}
4785
4786 \pagestyle{fancy}
4787
4788 \setlength{\columnseprule}{\columnlines}
4789 \setlength{\fboxrule}{0.1 pt}
4790
4791 }
4792
4793 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4794 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4795 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4796 \newcommand{\logo}[0]{
4797 %% Heading %%
4798 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4799
4800 \vspace*{-3pt}
4801
4802 {\Large\bfseries \@customlogo}
4803 \hrulefill
4804 \hspace{10pt}\xepersian@headDateTime
4805
4806 }
4807 \newcommand{\minilogo}[0]{
4808 {\large\bfseries \@customminilogo}
4809
4810 \vspace*{5pt}
4811 }

```



```

4812 \newcommand{\mylogo}[1]{
4813 {\beginR#1\endR}
4814
4815 \noindent
4816 \xepersian@editionLogo\hspace{5pt}
4817 \hrulefill
4818 \hspace{5pt}\xepersian@headDateTime
4819 }
4820 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4821 \newenvironment{frontpage}[0]
4822 {
4823 \setboolean{xepersian@insidefrontpage}{true}
4824 \thispagestyle{empty}
4825 \logo
4826
4827 }%
4828 {
4829 \thispagestyle{empty}
4830 \clearpage
4831 \newpage
4832 \fancyhead{}
4833 \fancyfoot{}
4834 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4835 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4836 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4837 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4838 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4839 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4840 \renewcommand{\headrulewidth}{0.4pt}
4841 \setboolean{xepersian@insidefrontpage}{false}
4842
4843 }
4844 \newcommand{\firstarticle}[3]
4845 {
4846 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4847 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4848 \begin{textblock}{24}(22,5)
4849 }
4850 {
4851 \begin{textblock}{28}(22,5)
4852 }
4853 \vspace{-7pt}
4854 \xepersian@firstTitle{#1}
4855 \end{textblock}
4856 \begin{textblock}{29}(22,10)
4857 \vspace{5pt plus 2pt minus 2pt}
4858
4859 \xepersian@firstText{\timestamp{#3}~#2}
4860
4861 \end{textblock}
4862
4863 \begin{textblock}{50}(0,15)
4864 \rule{50\TPHorizModule}{.3pt}
4865 \end{textblock}

```





```

4866 }{%else
4867 \ClassError{xepersian-magazine}{%
4868 \protect\firstarticle\space in a wrong place.\MessageBreak
4869 \protect\firstarticle\space may only appear inside frontpage environment.
4870 }{%
4871 \protect\firstarticle\space may only appear inside frontpage environment.
4872 }%
4873 }
4874 }
4875 \newcommand{\secondarticle}[5]
4876 {
4877 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4878 \begin{textblock}{33}(2,16)
4879 \xepersian@pages{#4}
4880 \vspace{-5pt}
4881 \xepersian@secondTitle{#1}
4882
4883 \vspace*{5pt}
4884
4885 \xepersian@secondSubtitle{#2}
4886
4887 \vspace*{-7pt}
4888
4889 \xepersian@secondText{\timestamp{#5}~#3}
4890
4891 \end{textblock}
4892
4893 \begin{textblock}{33}(2,25)
4894 \vspace{5pt plus 2pt minus 2pt}
4895
4896 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4897 \end{textblock}
4898 }{%else
4899 \ClassError{xepersian-magazine}{%
4900 \protect\secondarticle\space in a wrong place.\MessageBreak
4901 \protect\secondarticle\space may only appear inside frontpage environment.
4902 }{%
4903 \protect\secondarticle\space may only appear inside frontpage environment.
4904 }%
4905 }
4906 }
4907 \newcommand{\thirdarticle}[6]
4908 {
4909 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4910 \begin{textblock}{32}(2,26)
4911 \xepersian@pages{#5}
4912 \vspace{-5pt}
4913 \setlength{\fboxsep}{1pt}
4914 \xepersian@thirdTitle{#1}
4915
4916 \vspace*{5pt}
4917
4918 \xepersian@thirdSubtitle{#2}
4919

```



```

4920 \vspace*{5pt}
4921
4922 {\noindent\ignorespaces %
4923 \ifthenelse{\equal{#4}{}}{}}{}}
4924
4925 \xepersian@thirdText{\timestamp{#6}~#3}
4926
4927 }
4928
4929 \vspace*{5pt}
4930
4931 \end{textblock}
4932 }{\%else
4933 \ClassError{xepersian-magazine}{\%
4934 \protect\thirdarticle\space in a wrong place.\MessageBreak
4935 \protect\thirdarticle\space may only appear inside frontpage environment.
4936 }{\%
4937 \protect\thirdarticle\space may only appear inside frontpage environment.
4938 }%
4939 }
4940 }
4941 \newcommand{\firstimage}[2]
4942 {
4943 \ifthenelse{\boolean{xepersian@insidefrontpage}}{\%
4944 \begin{textblock}{18}(2,5)
4945 \setlength{\fboxsep}{1pt}
4946 \ifxetex % only in PDF
4947 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4948 \fi
4949
4950 \xepersian@pictureCaption{#2}
4951 \end{textblock}}%
4952 }
4953 {\ClassError{xepersian-magazine}{\%
4954 \protect\firstimage\space in a wrong place.\MessageBreak
4955 \protect\firstimage\space may only appear inside frontpage environment.
4956 }{\%
4957 \protect\firstimage\space may only appear inside frontpage environment.
4958 }}
4959 }%
4960 \newcommand{\weatheritem}[5]{\%
4961 \ifthenelse{\boolean{xepersian@insideweather}}{
4962 \begin{minipage}{45pt}
4963 \ifxetex
4964 \includegraphics[width=40pt]{#1}
4965 \fi
4966 \end{minipage}
4967 \begin{minipage}{50pt}
4968 \weatherTempFormat
4969 #2\\
4970 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4971 #5
4972 \end{minipage}
4973 }{\%else

```



```

4974 \ClassError{xepersian-magazine}{%
4975 \protect\weatheritem\space in a wrong place.\MessageBreak
4976 \protect\weatheritem\space may only appear inside weatherblock environment.
4977 }{%
4978 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4979 weatherblock environment may only appear inside frontpage environment.
4980 }%
4981 }
4982 }
4983 \newenvironment{weatherblock}[1]
4984 {
4985 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4986 \setboolean{xepersian@insideweather}{true}
4987 \begin{textblock}{32}(2,38)
4988 \vspace*{-15pt}
4989
4990 \xepersian@weather{\beginR#1\endR}
4991
4992 \vspace*{5pt}
4993
4994 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4995 \begin{minipage}{32\TPHorizModule}
4996 \hspace{5pt}
4997
4998 }{%
4999 \ClassError{xepersian-magazine}{%
5000 weatherblock in a wrong place.\MessageBreak
5001 weatherblock may only appear inside frontpage environment.
5002 }{%
5003 weatherblock may only appear inside frontpage environment.
5004 }
5005 }
5006 }%
5007 {
5008 \end{minipage}
5009 \end{xepersian@fmpage}
5010 \end{textblock}
5011 \setboolean{xepersian@insideweather}{false}
5012 }
5013 \newenvironment{authorblock}[0]
5014 {
5015 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5016 \begin{textblock}{15}(36,35)
5017 \setlength{\fboxsep}{5pt}
5018 \begin{xepersian@fmpage}{13\TPHorizModule}
5019 \begin{minipage}{13\TPHorizModule}
5020 \centering
5021 \minilogo
5022
5023 }{%else
5024 \ClassError{xepersian-magazine}{%
5025 authorblock in a wrong place.\MessageBreak
5026 authorblock may only appear inside frontpage environment.
5027 }{%

```



```

5028 authorblock may only appear inside frontpage environment.
5029 }
5030 }
5031 }
5032 {
5033 \end{minipage}
5034 \end{xepersian@fmpage}
5035 \end{textblock}
5036 }
5037 \newenvironment{indexblock}[1]
5038 {
5039 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5040 \setboolean{xepersian@insideindex}{true}%let's in
5041 \begin{textblock}{15}(36,16)
5042 \setlength{xepersian@indexwidth}{13\TPHorizModule}
5043 \xepersian@indexFrameTitle{#1}
5044
5045 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
5046 \begin{xepersian@fmpage}{xepersian@indexwidth}
5047 \begin{minipage}{xepersian@indexwidth}
5048 \vspace*{10pt}
5049 }{%else
5050 \ClassError{xepersian-magazine}{%
5051 indexblock in a wrong place.\MessageBreak
5052 indexblock may only appear inside frontpage environment.
5053 }{%
5054 indexblock may only appear inside frontpage environment.
5055 }
5056 }
5057 }%
5058 {
5059 \end{minipage}
5060 \end{xepersian@fmpage}
5061 \end{textblock}
5062 \setboolean{xepersian@insideindex}{false}%let's out
5063 }
5064 \newcommand{\indexitem}[2]
5065 {
5066 \ifthenelse{\boolean{xepersian@insideindex}}{
5067 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5068
5069 \vspace{0.5cm}
5070
5071 \noindent\ignorespaces\indexEntrySeparator{}
5072 }{%else
5073 \ClassError{xepersian-magazine}{%
5074 \protect\indexitem\space in a wrong place.\MessageBreak
5075 \protect\indexitem\space may only appear inside indexblock environment.
5076 }{%
5077 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5078 indexblock environment may only appear inside frontpage environment.
5079 }%
5080 }
5081 }

```



```

5082 \newcommand{\xepersian@inexpandedtitle}[1]{
5083 \begin{minipage}{.95\textwidth}
5084 \begin{center}
5085 \noindent\Large\textbf{\beginR#1\endR}
5086 \end{center}
5087 \end{minipage}
5088 }
5089 \newcommand{\expandedtitle}[2]{
5090 \end{multicols}
5091
5092 \begin{center}
5093 \setlength{\fboxsep}{5pt}
5094 \setlength{\shadowsize}{2pt}
5095 \ifthenelse{\equal{#1}{shadowbox}}{%
5096 \shadowbox{%
5097 \xepersian@inexpandedtitle{#2}%
5098 }%
5099 }{
5100 \ifthenelse{\equal{#1}{doublebox}}{%
5101 \doublebox{%
5102 \xepersian@inexpandedtitle{#2}%
5103 }%
5104 }{
5105 \ifthenelse{\equal{#1}{ovalbox}}{%
5106 \ovalbox{%
5107 \xepersian@inexpandedtitle{#2}%
5108 }%
5109 }{
5110 \ifthenelse{\equal{#1}{Ovalbox}}{%
5111 \Ovalbox{%
5112 \xepersian@inexpandedtitle{#2}%
5113 }%
5114 }{
5115 \ifthenelse{\equal{#1}{lines}}{
5116 \hrule
5117 \vspace*{8pt}
5118 \begin{center}
5119 \noindent\Large\textbf{#2}
5120 \end{center}
5121 \vspace*{8pt}
5122 \hrule
5123 }{
5124 \end{center}
5125
5126 \begin{multicols}{\xepersian@ncolumns}}
5127 \ifnum \xepersian@ncolumns > \minraggedcols
5128 \raggedFormat
5129 \fi
5130 }
5131 \newcommand{\xepersian@incolumntitle}[2]{
5132 \begin{minipage}{#1}
5133 \begin{center}
5134 \noindent\normalsize\textbf{#2}
5135 \end{center}

```



```

5136 \end{minipage}
5137 }
5138
5139 \newcommand{\columntitle}[2]{
5140 \vspace*{5pt}
5141 \begin{center}
5142 \setlength{\fboxsep}{5pt}
5143 \setlength{\shadowsize}{2pt}
5144 \addtolength{\xepersian@coltitsize}{\columnwidth}
5145 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5146 \addtolength{\xepersian@coltitsize}{-5pt}
5147 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5148 \ifthenelse{equal{#1}{shadowbox}}{%
5149 \shadowbox{%
5150 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5151 }%
5152 }{
5153 \ifthenelse{equal{#1}{doublebox}}{%
5154 \doublebox{%
5155 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5156 }%
5157 }{
5158 \ifthenelse{equal{#1}{ovalbox}}{%
5159 \ovalbox{%
5160 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5161 }%
5162 }{
5163 \ifthenelse{equal{#1}{Ovalbox}}{%
5164 \Ovalbox{%
5165 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5166 }%
5167 }{
5168 \ifthenelse{equal{#1}{lines}}{
5169 \hrule
5170 \vspace*{5pt}
5171 \begin{center}
5172 \noindent\normalsize\textbf{#2}
5173 \end{center}
5174 \vspace*{5pt}
5175 \hrule
5176 }{
5177 \end{center}
5178 }
5179 \renewcommand{\date}{%
5180 \longdate{\today}%
5181 }
5182 \newcommand{\authorandplace}[2]{%
5183 \rightline{%
5184 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
5185 }%
5186 \par %
5187 }
5188 \newcommand{\newsection}[1]{
5189 \renewcommand{\xepersian@section}{#1}

```



```

5190 }
5191 \newenvironment{article}[5]
5192 {
5193 \xepersian@say{Adding a new piece of article}
5194 \renewcommand{\xepersian@ncolumns}{#1}
5195 \begin{multicols}{#1}[
5196 \xepersian@pages{#4}
5197 \xepersian@innerTitle{#2}%
5198 \xepersian@innerSubtitle{#3}%
5199 ] [4cm]%
5200 \label{#5}
5201 \ifnum #1 > \minraggedcols
5202 \raggedFormat
5203 \fi
5204 }
5205 {-\innerTextFinalMark{}}
5206 \end{multicols}
5207 }
5208 \newcommand{\articlesep}{%
5209 \setlength{\xepersian@pageneed}{16000pt}
5210 \setlength{\xepersian@pageleft}{\pagegoal}
5211 \addtolength{\xepersian@pageleft}{-\pagetotal}
5212
5213 \xepersian@say{How much left \the\xepersian@pageleft}
5214
5215 \ifdim \xepersian@pageneed < \xepersian@pageleft
5216 \xepersian@say{Not enough space}
5217 \else
5218 \xepersian@say{Adding sep line between articles}
5219 \vspace*{10pt plus 10pt minus 5pt}
5220 \hrule
5221 \vspace*{10pt plus 5pt minus 5pt}
5222 \fi
5223
5224 }
5225 \newcommand{\xepersian@editorialTit}[2]{
5226 \setlength{\arrayrulewidth}{.1pt}
5227 \begin{center}
5228 \begin{tabular}{c}
5229 \noindent
5230 \xepersian@editorialTitle{#1}
5231 \vspace{2pt plus 1pt minus 1pt}
5232 \\
5233 \hrule
5234 \vspace{2pt plus 1pt minus 1pt}
5235 \\
5236 \editorialAuthorFormat{#2}
5237 \end{tabular}
5238 \end{center}
5239 }
5240 \newenvironment{editorial}[4]
5241 {
5242 \xepersian@say{Adding a new editorial}
5243 \begin{multicols}{#1}[%

```



```

5244 \xepersian@editorialTit{#2}{#3}%
5245 ] [4cm]
5246 \label{#4}
5247 \ifnum #1 > \minraggedcols
5248 \raggedFormat
5249 \fi
5250 }
5251 {
5252 \end{multicols}
5253 }
5254 \newcommand{\xepersian@shortarticleTit}[2]{
5255 \begin{center}
5256 \vbox{%
5257 \noindent
5258 \xepersian@shortarticleTitle{#1}
5259 \vspace{4pt plus 2pt minus 2pt}
5260 \hrule
5261 \vspace{4pt plus 2pt minus 2pt}
5262 \xepersian@shortarticleSubtitle{#2}
5263 }
5264 \end{center}
5265 }
5266 \newenvironment{shortarticle}[4]
5267 {
5268 \xepersian@say{Adding a short article block}
5269 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5270 \label{#4}
5271 \par %
5272 \ifnum #1 > \minraggedcols
5273 \raggedFormat
5274 \fi
5275 }
5276 {
5277 \end{multicols}
5278 }
5279 \newcommand{\shortarticleitem}[2]{
5280 \goodbreak
5281 \vspace{5pt plus 3pt minus 3pt}
5282 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5283 \vspace{5pt plus 3pt minus 3pt}
5284 {\noindent #2}\\
5285 }

```

## 63 File xepersian-mathdigitspec.sty

```

5286 \NeedsTeXFormat{LaTeX2e}
5287 \ProvidesPackage{xepersian-mathdigitspec}
5288 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5289 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5290 \let\newfam\new@mathgroup
5291 \def\select@group#1#2#3#4{%
5292 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5293 {#4}
5294 \ifmmode

```





```

5295 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5296 \begingroup
5297 \escapechar\m@ne
5298 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5299 \globaldefs\@ne \math@fonts
5300 \endgroup
5301 \init@restore@version
5302 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5303 {\number\csname c@mv@\math@version\endcsname}}}%
5304 \global\advance\csname c@mv@\math@version\endcsname\@ne
5305 \else
5306 \let#1\relax
5307 \@latex@error{Too many math alphabets used in
5308 version \math@version}%
5309 \@eha
5310 \fi
5311 \else \expandafter\non@alpherr\fi
5312 #1{#4}%
5313 }%
5314 }
5315 \def\document@select@group#1#2#3#4{%
5316 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5317 {%
5318 \ifmmode
5319 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5320 \begingroup
5321 \escapechar\m@ne
5322 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5323 \globaldefs\@ne \math@fonts
5324 \endgroup
5325 \expandafter\extract@alph@from@version
5326 \csname mv@\math@version\expandafter\endcsname
5327 \expandafter{\number\csname
5328 c@mv@\math@version\endcsname}}%
5329 #1%
5330 \global\advance\csname c@mv@\math@version\endcsname\@ne
5331 \else
5332 \let#1\relax
5333 \@latex@error{Too many math alphabets used
5334 in version \math@version}%
5335 \@eha
5336 \fi
5337 \else \expandafter\non@alpherr\fi
5338 #1{#4}%
5339 }%
5340 }
5341 \ExplSyntaxOn
5342 \bool_set_false:N \g__fontspec_math_bool
5343 \tl_map_inline:nn
5344 {
5345 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5346 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5347 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5348 \version@list\version@elt\alpha@list\alpha@elt

```



```

5349 \restore@mathversion\init@restore@version\dorestore@version\process@table
5350 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5351 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5352 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5353 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5354 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5355 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5356 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5357 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5358 }
5359 {
5360 \tl_remove_once:Nn \@preamblecmds {\do#1}
5361 }
5362 \ExplSyntaxOff
5363 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5364 \newcommand\SetMathCode[4]{%
5365 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5366 \newcommand\SetMathCharDef[4]{%
5367 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5368 \ExplSyntaxOn
5369 \cs_new_eq:NN \orig_mathbf:n \mathbf
5370 \cs_new_eq:NN \orig_mathit:n \mathit
5371 \cs_new_eq:NN \orig_mathrm:n \mathrm
5372 \cs_new_eq:NN \orig_mathsf:n \mathsf
5373 \cs_new_eq:NN \orig_mathtt:n \mathtt
5374 %\int_const:Nn \c_one_int { 1 }
5375 \NewDocumentCommand \new@mathbf { m } {
5376 \orig_mathbf:n {
5377 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5378 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5379 }
5380 #1
5381 }
5382 }
5383 \NewDocumentCommand \new@mathit { m } {
5384 \orig_mathit:n {
5385 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5386 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5387 }
5388 #1
5389 }
5390 }
5391 \NewDocumentCommand \new@mathrm { m } {
5392 \orig_mathrm:n {
5393 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5394 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5395 }
5396 #1
5397 }
5398 }
5399 \NewDocumentCommand \new@mathsf { m } {
5400 \orig_mathsf:n {
5401 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5402 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax

```



```

5403 }
5404 #1
5405 }
5406 }
5407 \NewDocumentCommand \new@mathtt{ m } {
5408 \orig_mathtt:n {
5409 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5410 \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5411 }
5412 #1
5413 }
5414 }
5415
5416 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {xepersian-mathdigitsspec
5417 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5418 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5419 \char_set_catcode_space:n {32}
5420 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5421 {
5422 The font "#1" does not contain U+#2.
5423 }
5424 {
5425 Select another font and rerun xelatex.
5426 }
5427 \char_set_catcode_ignore:n {32}
5428
5429 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5430 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5431 {
5432 \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5433 \prg_return_true:
5434 \else:
5435 \prg_return_false:
5436 \fi:
5437 }
5438
5439 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5440
5441 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5442 {
5443 \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5444 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5445 \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdigitsspec
5446 }
5447 }
5448
5449 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5450 {
5451 \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5452 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5453 \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdigitsspec
5454 }
5455 }
5456

```



```

5457 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5458 {
5459   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5460   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5461     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } }
5462   }
5463 }
5464
5465 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5466 {
5467   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5468     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5469     06F9 , 066A , 066B
5470   } { #1 }
5471 }
5472
5473 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5474 {
5475   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5476 }
5477 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5478 {
5479   \let\glb@currsizel relax
5480   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5481   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5482   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5483   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5484   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5485   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5486   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5487   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5488   \def\persianmathdigits{%
5489     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5490     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5491     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5492     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5493     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5494     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5495     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5496     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5497     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5498     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5499     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5500     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5501     \tl_set_eq:NN \mathbf \new@mathbf
5502     \tl_set_eq:NN \mathit \new@mathit
5503     \tl_set_eq:NN \mathrm \new@mathrm
5504   }
5505
5506 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5507
5508 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5509 {
5510   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}

```



```

5511 }
5512 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5513 {
5514   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5515   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5516   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfdigitfamily_tl}{\g__xepersian_mathsfdigitfamily_tl}{\g__xepersian_mathsfdigitfamily_tl}
5517   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5518   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5519 }
5520
5521 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5522
5523 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5524 {
5525   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5526 }
5527 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5528 {
5529   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5530   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5531   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdigitfamily_tl}{\g__xepersian_mathttdigitfamily_tl}{\g__xepersian_mathttdigitfamily_tl}
5532   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5533   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5534 }
5535
5536 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5537
5538 \ExplSyntaxOff
5539 \mathchardef\decimalseparator@point="013A
5540 {%
5541   \catcode\.=\active
5542   \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5543 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@point}
5544 \def\decimalseparator@check#1#2{%
5545   \ifx\@let@token1\endgroup#1\else
5546     \ifx\@let@token2\endgroup#1\else
5547       \ifx\@let@token3\endgroup#1\else
5548         \ifx\@let@token4\endgroup#1\else
5549           \ifx\@let@token5\endgroup#1\else
5550             \ifx\@let@token6\endgroup#1\else
5551               \ifx\@let@token7\endgroup#1\else
5552                 \ifx\@let@token8\endgroup#1\else
5553                   \ifx\@let@token9\endgroup#1\else
5554                     \ifx\@let@token0\endgroup#1\else
5555                       \ifx\@let@token\dot\endgroup#1\else
5556                         \ifx\@let@token\overline\endgroup#1\else
5557                           \endgroup#2%
5558                         \fi
5559                       \fi
5560                     \fi
5561                   \fi
5562                 \fi
5563               \fi
5564             \fi

```



```

5565         \fi
5566     \fi
5567     \fi
5568     \fi
5569 \fi}
5570 \mathcode`.="8000\relax
5571 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5572 \def\DefaultMathDecimalSeparator{.}
5573 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5574 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5575 \def\DefaultMathDigits{%
5576     \DefaultInlineMathDigits%
5577     \DefaultDisplayMathDigits%
5578 }
5579 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5580 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5581 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5582 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5583 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5584 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5585 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5586 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5587 \def\PersianMathDigits{%
5588     \PersianInlineMathDigits%
5589     \PersianDisplayMathDigits%
5590 }
5591 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5592 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5593 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5594 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5595 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5596 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5597 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5598 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5599 \def\AutoMathDigits{%
5600     \AutoInlineMathDigits%
5601     \AutoDisplayMathDigits%
5602 }
5603 \AutoMathDigits
5604 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5605     \let\SetDisplayMathDigits\relax%
5606 }
5607 \everydisplay\expandafter{%
5608     \the\everydisplay\SetDisplayMathDigits%
5609     \let\SetInlineMathDigits\relax%
5610 }
5611
5612 \ExplSyntaxOn
5613 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5614
5615 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5616     \int_step_inline:nnnn { `0 } { { \c_one_int } { `9 } { {
5617         \SetMathCode{##1}{\mathalpha}{operators}{##1}
5618     }

```



```

5619 \SetMathCode{\%}{\mathbin}{operators}{\%}
5620 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5621 \tl_set_eq:NN \mathbf \orig_mathbf:n
5622 \tl_set_eq:NN \mathit \orig_mathit:n
5623 \tl_set_eq:NN \mathrm \orig_mathrm:n
5624 \tl_set_eq:NN \mathsf \orig_mathsf:n
5625 \tl_set_eq:NN \mathtt \orig_mathtt:n
5626 }
5627
5628 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5629 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5630 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5631 }
5632 \SetMathCode{\%}{\mathbin}{OPERATORS}{` }
5633 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5634 \tl_set_eq:NN \mathbf \new@mathbf
5635 \tl_set_eq:NN \mathit \new@mathit
5636 \tl_set_eq:NN \mathrm \new@mathrm
5637 \tl_set_eq:NN \mathsf \new@mathsf
5638 \tl_set_eq:NN \mathtt \new@mathtt
5639 }
5640 \ExplSyntaxOff

```

## 64 File xepersian-multiplechoice.sty

```

5641 \NeedsTeXFormat{LaTeX2e}
5642 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5643 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5644 \RequirePackage{pifont}
5645 \RequirePackage{fullpage}
5646 \RequirePackage{ifthen}
5647 \RequirePackage{calc}
5648 \RequirePackage{verbatim}
5649 \RequirePackage{tabularx}
5650 \def\@headerfont{\bfseries}
5651 \newcommand\headerfont[1]{\gdef\@headerfont{##1}}
5652 \def\@X{X}
5653 \newcommand\X[1]{\gdef\@X{##1}}
5654 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5655 \newcolumntype{D}{>{\pbs\centering}X}
5656 \newcolumntype{Q}{>{\@headerfont}X}
5657
5658 \renewcommand\tabularxcolumn[1]{m{##1}}
5659 \newcommand\makeform@nocorrection{%
5660 \addtocontents{frm}{\protect\end{tabularx}}
5661 \@starttoc{frm}}
5662 \newcommand\makeform@correction{%
5663 \addtocontents{frm}{\protect\end{tabularx}}}
5664 \newcommand\makemask@nocorrection{%
5665 \addtocontents{msk}{\protect\end{tabularx}}
5666 \@starttoc{msk}}
5667 \newcommand\makemask@correction{%
5668 \addtocontents{msk}{\protect\end{tabularx}}}
5669 \newlength\questionspace

```



```

5670 \setlength\questionspace{0pt}
5671 \newcommand\answerstitle[1]{\gdef\answerstitle{#1}}
5672 \def\@answerstitlefont{\bfseries}
5673 \newcommand\answerstitlefont[1]{\gdef\answerstitlefont{#1}}
5674 \def\@answernumberfont{\bfseries}
5675 \newcommand\answernumberfont[1]{\gdef\answernumberfont{#1}}
5676 \newcounter{question}\stepcounter{question}
5677 \newcounter{@choice}
5678 \def\@initorcheck{%
5679   \xdef\@choices{\the@choice}%
5680   \setcounter{@choice}{1}%
5681   \gdef\@arraydesc{|Q|}%
5682   \gdef\@headerline{%
5683     \whiledo{\not{\value{@choice}>\@choices}}{
5684       \xdef\@arraydesc{\@arraydesc D}
5685       \def\@appendheader{\g@addto@macro\@headerline
5686         \@appendheader{&\protect\@headerfont}
5687         \edef\@the@choice{\alph{@choice}}}
5688       \expandafter\@appendheader\@the@choice
5689       \stepcounter{@choice}}%
5690   \addtocontents{frm}{%
5691     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5692     \protect\hline
5693     \@headerline\protect\\ \protect\hline\protect\hline}%
5694   \addtocontents{msk}{%
5695     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5696     \protect\hline
5697     \@headerline\protect\\ \protect\hline\protect\hline}%
5698   \gdef\@initorcheck{%
5699     \ifthenelse{\value{@choice} = \@choices}{}{%
5700       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5701         (\the@choice\space instead of \@choices)}{%
5702         Questions must all have the same number of proposed answers.%
5703         \MessageBreak
5704         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5705 \newenvironment{question}[1]{%
5706   %% \begin{question}
5707   \begin{minipage}{\textwidth}
5708     \xdef\@formanswerline{\@questionheader}%
5709     \xdef\@maskanswerline{\@questionheader}%
5710     \fbox{\parbox[c]{\linewidth}{#1}}
5711     \vspace\questionspace\par
5712     {\@answerstitlefont\answerstitle}
5713     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
5714   %% \end{question}
5715   \end{list}
5716   \@initorcheck%
5717   \addtocontents{frm}{\@formanswerline\protect\\ \protect\hline}%
5718   \addtocontents{msk}{\@maskanswerline\protect\\ \protect\hline}%
5719 \end{minipage}
5720 \stepcounter{question}}
5721 \def\@truesymbol{\ding{52}~}
5722 \def\@falsesymbol{\ding{56}~}
5723 \newcommand\truesymbol[1]{\gdef\truesymbol{#1}}

```





```

5724 \newcommand\falsestymbol[1]{\gdef\@falsestymbol{#1}}
5725 \def\@true@nocorrection{\item}
5726 \def\@false@nocorrection{\item}
5727 \def\@true@correction{\item[\@truestymbol\refstepcounter{\@choice}]}
5728 \def\@false@correction{\item[\@falsestymbol\refstepcounter{\@choice}]}
5729 \newcommand\true{%
5730   \xdef\@formanswerline{\@formanswerline&}%
5731   \xdef\@maskanswerline{\@maskanswerline&\@X}%
5732   \@true}%
5733 \newcommand\false{%
5734   \xdef\@formanswerline{\@formanswerline&}%
5735   \xdef\@maskanswerline{\@maskanswerline&}%
5736   \@false}%
5737 \def\@correctionstyle{\itshape}
5738 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5739 \newenvironment{\correction}{\@correctionstyle}{\@correctionstyle}{}
5740 \def\@questionheader{ \thequestion}
5741 \answerstitle{ \thequestion}
5742 \DeclareOption{nocorrection}{\%
5743   \let\@true\@true@nocorrection
5744   \let\@false\@false@nocorrection
5745   \let\correction\comment
5746   \let\endcorrection\endcomment
5747   \def\makeform{\makeform@nocorrection}
5748   \def\makemask{\makemask@nocorrection}}
5749 \DeclareOption{correction}{\%
5750   \let\@true\@true@correction
5751   \let\@false\@false@correction
5752   \let\correction\@correction
5753   \let\endcorrection\end@correction
5754   \def\makeform{\makeform@correction}
5755   \def\makemask{\makemask@correction}}
5756 \ExecuteOptions{nocorrection}
5757 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5758 \def\@questiontitlefont{\bfseries}
5759 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5760 \newlength\questiontitlespace
5761 \setlength\questiontitlespace{5pt}
5762 \newlength\questionsepspace
5763 \setlength\questionsepspace{20pt}
5764 \gdef\@questionsepspace{0pt}
5765 \let\old@question\question
5766 \let\old@endquestion\endquestion
5767 \renewenvironment{question}[1]{\%
5768   %% \begin{question}
5769   \vspace\@questionsepspace
5770   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5771   \nopagebreak\vspace\questiontitlespace\par
5772   \old@question{#1}}{\%
5773   %% \end{question}
5774   \old@endquestion
5775   \gdef\@questionsepspace{\questionsepspace}}
5776 \questiontitle{ \thequestion:}
5777 \ProcessOptions

```



## 65 File xepersian-persiancal.sty

```

5778 \NeedsTeXFormat{LaTeX2e}
5779 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5780
5781 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5782 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5783 \newcount\XePersian@latini \newcount\XePersian@persiani
5784 \newcount\XePersian@latinii \newcount\XePersian@persianii
5785 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5786 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5787 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5788 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5789 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5790 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5791 \newcount\XePersian@latinix \newcount\XePersian@persianix
5792 \newcount\XePersian@latinix \newcount\XePersian@persianx
5793 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5794 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5795 \newcount\XePersian@persianxiii
5796
5797 \newcount\XePersian@temp
5798 \newcount\XePersian@temptwo
5799 \newcount\XePersian@temptthree
5800 \newcount\XePersian@yModHundred
5801 \newcount\XePersian@thirtytwo
5802 \newcount\XePersian@dn
5803 \newcount\XePersian@sn
5804 \newcount\XePersian@mminusone
5805
5806
5807 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5808 \XePersian@temp=\XePersian@y
5809 \divide\XePersian@temp by 100\relax
5810 \multiply\XePersian@temp by 100\relax
5811 \XePersian@yModHundred=\XePersian@y
5812 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5813 \ifodd\XePersian@yModHundred
5814 \XePersian@leapfalse
5815 \else
5816 \XePersian@temp=\XePersian@yModHundred
5817 \divide\XePersian@temp by 2\relax
5818 \ifodd\XePersian@temp\XePersian@leapfalse
5819 \else
5820 \ifnum\XePersian@yModHundred=0%
5821 \XePersian@temp=\XePersian@y
5822 \divide\XePersian@temp by 400\relax
5823 \multiply\XePersian@temp by 400\relax
5824 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5825 \else\XePersian@leaptrue
5826 \fi
5827 \fi
5828 \fi
5829 \XePersian@latini=31\relax

```



```

5830 \ifXePersian@leap
5831   \XePersian@latinii = 29\relax
5832 \else
5833   \XePersian@latinii = 28\relax
5834 \fi
5835 \XePersian@latiniii = 31\relax
5836 \XePersian@latiniv = 30\relax
5837 \XePersian@latinv = 31\relax
5838 \XePersian@latinvi = 30\relax
5839 \XePersian@latinvii = 31\relax
5840 \XePersian@latinviii = 31\relax
5841 \XePersian@latinix = 30\relax
5842 \XePersian@latinx = 31\relax
5843 \XePersian@latinxi = 30\relax
5844 \XePersian@latinxii = 31\relax
5845 \XePersian@thirtytwo=32\relax
5846 \XePersian@temp=\XePersian@y
5847 \advance\XePersian@temp by -17\relax
5848 \XePersian@temptwo=\XePersian@temp
5849 \divide\XePersian@temptwo by 33\relax
5850 \multiply\XePersian@temptwo by 33\relax
5851 \advance\XePersian@temp by -\XePersian@temptwo
5852 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
5853 \else
5854   \XePersian@temptwo=\XePersian@temp
5855   \divide\XePersian@temptwo by 4\relax
5856   \multiply\XePersian@temptwo by 4\relax
5857   \advance\XePersian@temp by -\XePersian@temptwo
5858   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
5859 \fi
5860 \XePersian@tempthree=\XePersian@y % Number of Leap years
5861 \advance\XePersian@tempthree by -1
5862 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5863 \divide\XePersian@temp by 4\relax
5864 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5865 \divide\XePersian@temptwo by 100\relax
5866 \advance\XePersian@temp by -\XePersian@temptwo
5867 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5868 \divide\XePersian@temptwo by 400\relax
5869 \advance\XePersian@temp by \XePersian@temptwo
5870 \advance\XePersian@tempthree by -611 % Number of Kabise years
5871 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5872 \divide\XePersian@temptwo by 33\relax
5873 \multiply\XePersian@temptwo by 8\relax
5874 \advance\XePersian@temp by -\XePersian@temptwo
5875 \XePersian@temptwo=\XePersian@tempthree %
5876 \divide\XePersian@temptwo by 33\relax
5877 \multiply\XePersian@temptwo by 33\relax
5878 \advance\XePersian@tempthree by -\XePersian@temptwo
5879 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5880 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5881 \advance\XePersian@temp by -\XePersian@tempthree
5882 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5883 \XePersian@persiani=31

```



```

5884 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5885 \XePersian@persianii = 30\relax
5886 \ifXePersian@kabiseh
5887 \XePersian@persianiii = 30\relax
5888 \else
5889 \XePersian@persianiii = 29\relax
5890 \fi
5891 \XePersian@persianiv = 31\relax
5892 \XePersian@persianv = 31\relax
5893 \XePersian@persianvi = 31\relax
5894 \XePersian@persianvii = 31\relax
5895 \XePersian@persianviii = 31\relax
5896 \XePersian@persianix = 31\relax
5897 \XePersian@persianx = 30\relax
5898 \XePersian@persianxi = 30\relax
5899 \XePersian@persianxii = 30\relax
5900 \XePersian@persianxiii = 30\relax
5901 \XePersian@dn = 0\relax
5902 \XePersian@sn = 0\relax
5903 \XePersian@mminusone = \XePersian@m
5904 \advance\XePersian@mminusone by -1\relax
5905 \XePersian@i = 0\relax
5906 \ifnum\XePersian@i < \XePersian@mminusone
5907 \loop
5908 \advance \XePersian@i by 1\relax
5909 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5910 \ifnum\XePersian@i < \XePersian@mminusone \repeat
5911 \fi
5912 \advance \XePersian@dn by \XePersian@d
5913 \XePersian@i = 1\relax
5914 \XePersian@sn = \XePersian@persiani
5915 \ifnum \XePersian@sn < \XePersian@dn
5916 \loop
5917 \advance \XePersian@i by 1\relax
5918 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5919 \ifnum \XePersian@sn < \XePersian@dn \repeat
5920 \fi
5921 \ifnum \XePersian@i < 4
5922 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5923 \advance \XePersian@y by -622\relax
5924 \else
5925 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5926 \advance \XePersian@y by -621\relax
5927 \fi
5928 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5929 \endcsname
5930 \ifnum\XePersian@i = 1
5931 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5932 \else
5933 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5934 \fi
5935 \newcommand*{\persiantoday}{\%
5936 \number\XePersian@d\space\%
5937 \XePersian@persian@month{\XePersian@m}\space\XePersian@y\%

```



```

5938 }
5939 \let\persianyear\XePersian@y
5940 \let\persianmonth\XePersian@m
5941 \let\persianday\XePersian@d
5942 \def\XePersian@persian@month#1{\ifcase#1\or or\
5943 or\
5944 or\    or\
5945 or\
5946 or\    or\
5947 or\    or\
5948 or\    or\
5949 {fi\

```



## Index

Symbols	
\!	2373
\%	2514, 2516, 5499, 5619, 5632
\.	5541
\@and	3759
\@math	185
\@maybeautodot	2642, 2643, 2661, 2698, 2699, 2717, 2750, 2751, 2769
\@par	1900
\@textdigitfont@onfalse	3457
\@textdigitfont@ontrue	3456
\@Abjad	1228, 3768, 3776, 3777, 4253, 4254
\@Alph	2655, 2711, 2763, 4034, 4037, 4249, 4254
\@DeclareMathDelimiter	5355
\@DeclareMathSizes	5346
\@False	173, 175
\@Kashida@onfalse	1631
\@Kashida@ontrue	1630
\@LTRfootnotetext	1930
\@LTRmarginparreset	3388
\@Latincitex	73, 74, 2164, 2173, 2363, 3396, 3397
\@M	189, 3810, 3911, 4006
\@Mi	185
\@Mii	1823
\@Miii	1825
\@RTL@footnotefalse	3363, 3383, 4186
\@RTL@footnotetext	3373, 3384, 4184
\@RTLfalse	155, 167, 180, 4139, 4146, 4168
\@RTLfootnotetext	1931
\@RTLtabfalse	4154
\@RTLtabtrue	4152
\@RTLtrue	4137, 4144, 4166
\@Roman	2657, 2713, 2765
\@SepMark	1759
\@SetTab	2790
\@True	168, 174
\@X	5652, 5653, 5731
\@abjad	1229, 3995, 4014, 4015, 4248, 4249
\@acol	2055, 2063
\@acolampacol	2053, 2055, 2061, 2063
\@adadi	1226, 2653, 2709, 2761, 3784, 3786, 3789
\@addamp	2054, 2062
\@addtopreamble	2022
\@alph	2656, 2712, 2764, 2791, 4033, 4036, 4248, 4253
\@ampacol	2053, 2061
\@answernumberfont	5674, 5675, 5713
\@answerstyle	5671, 5712
\@answerstylefont	5672, 5673, 5712
\@appendheader	5685, 5686, 5688
\@arrayclassz	2053
\@arraydesc	5681, 5684, 5691, 5695
\@arrayrule	2001, 2002, 2003, 2045, 2046, 2047
\@author	4693, 4705
\@autodottrue	2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767
\@auxout	3402, 4311, 4315
\@begin@tempboxa	1900
\@biblabel	2165, 2174
\@bibsetup	2166, 2175
\@bidi@inslogo	4289, 4291
\@bidi@list@minipage@parbox@not@nobtrue	1897, 1919
\@bidi@list@minipage@parboxtrue	1898, 1920
\@bidi@logo	3727
\@bidi@logo@	3723, 4291
\@bidi@logo@hb@ext@columnwidth	3724
\@bidi@pdfcreator	3729
\@bidi@pdfm@markfalse	4298
\@bidi@pdfm@marktrue	4296
\@bidi@perpage@footnotefalse	

..... 4337	\@dblfpsep ..... 3718
\@bidi@perpage@footnotetrue ..	\@dblfpstop ..... 3717
..... 4335	\@defaultunits ..... 3494, 3498
\@bidityftesidenote@LTRmarginfont	\@dgroup ..... 167
..... 105	\@dmath ..... 155, 184
\@bidityftesidenote@RTLmarginfont	\@doendpe ..... 2454
..... 107	\@dseries ..... 180
\@bsphack ..... 1822	\@eha ..... 5309, 5335
\@capttype .. 1810, 1873, 2120, 2130	\@empty 170, 1817, 2177, 2187, 2190,
\@ccclvi ..... 5289, 5295, 5319	2276, 2279, 2408, 3398, 3401,
\@chapapp .. 30, 121, 132, 139, 151,	3869, 3875, 3878, 3881, 3986,
1304, 1316, 1765, 2587, 2594,	4291, 4704, 4705, 4706, 4707
2601, 2609, 2691, 2743	\@emptytoks ..... 169
\@chclass . 1935, 1943, 1951, 1966,	\@enGroup ..... 1218
1980, 1985, 2000, 2016, 2036,	\@enLabel . 1209, 1210, 1211, 1212,
2044, 2074, 2097, 2111	1213, 1214, 1215, 1216
\@chnum 1937, 1938, 1939, 1940, 1941,	\@enOther ..... 1220
1942, 1952, 1959, 1973, 1986,	\@enSpace ..... 1217
1993, 2009, 2022, 2038, 2039,	\@end@tempboxa ..... 1915
2040, 2041, 2042, 2043, 2057,	\@endpbox ..... 2029, 2030
2065, 2075, 2082, 2104	\@endpetrue ..... 3372, 3382
\@choices .. 5679, 5683, 5699, 5701	\@enhook ..... 1221
\@cite 2152, 2159, 2171, 2187, 2276,	\@enloop@ ..... 1208
3399	\@entemp .. 1209, 1210, 1211, 1212,
\@cite@ofmt ..... 3407	1213, 1214, 1215, 1216, 1217,
\@citea 2192, 2206, 2220, 2229, 2230,	1218, 1219
2231, 2236, 2251, 2259, 2260,	\@enum@ ..... 1219
2261, 2295, 2311, 2329, 3398,	\@extra@b@citeb 2192, 2198, 2200,
3400	2223, 2254, 2281, 2287, 2289
\@citeb 2188, 2190, 2192, 2195, 2197,	\@extrafootnotefeaturesfalse .
2198, 2200, 2223, 2254, 2277,	..... 4206
2279, 2281, 2284, 2286, 2287,	\@extrafootnotefeaturestrue ..
2289, 3399, 3401, 3402, 3403,	..... 4204
3406, 3407	\@false ..... 5736, 5744, 5751
\@citex ..... 2163, 2172	\@false@correction .. 5728, 5751
\@classx ..... 2019	\@false@nocorrection . 5726, 5744
\@classz ..... 2019	\@falsesymbol ... 5722, 5724, 5728
\@correction ..... 5752	\@firstampfalse ..... 2055, 2063
\@correctionstyle 5737, 5738, 5739	\@firstofone 1531, 1532, 2190, 2279,
\@ctrerr ..... 3775, 3780	3401, 5292, 5316
\@currbox . 1830, 1876, 1880, 2119,	\@firstoftwo .... 2925, 2931, 2937
2123, 2129, 2133	\@float@HH ..... 2116, 2117
\@currentvir 2437, 2439, 2440, 2615,	\@float@Hx ..... 2115, 2116
2670, 2722	\@float@ ..... 2116, 2127
\@customlogo ..... 4793, 4802	\@floatboxreset . 1886, 2125, 2135
\@custommagaziname . 4562, 4795	\@floatcapt ..... 2120, 2130
\@customminilogo .... 4794, 4808	\@floatpenalty .. 1823, 1825, 1828
\@customwwwTxt .. 4523, 4526, 4578	\@flstylefalse ..... 2122, 2132
\@date ..... 4696, 4706	\@flstyletrue ..... 2122, 2132
\@dblfpbot ..... 3719	\@fltovf ..... 1878



<code>\@footnotetext</code> .....	1929		1987, 1988, 1989, 1991, 2036,
<code>\@for</code> .....	2188, 2277, 3399, 4099		2037, 2053, 2061, 2075, 2076,
<code>\@formanswerline</code>	5708, 5717, 5730,		2077, 2078, 2080
	5734		
<code>\@fpbot</code> .....	3716	<code>\@latex@error</code> .....	5307, 5333
<code>\@fps</code> ..	1811, 1812, 1814, 1817, 1834	<code>\@latex@warning</code> .....	3405
<code>\@fpsadddefault</code> .....	1815, 1818	<code>\@latinAlpha</code> .....	4034, 4037
<code>\@fpsep</code> .....	3715, 3718	<code>\@latinalph</code> ..	2791, 4033, 4036, 4039
<code>\@fptop</code> ....	3714, 3716, 3717, 3719	<code>\@let@token</code>	5542, 5545, 5546, 5547,
<code>\@freelist</code> .....	1830		5548, 5549, 5550, 5551, 5552,
<code>\@gobble</code> .....	1219		5553, 5554, 5555, 5556
<code>\@harfi</code>	12, 20, 31, 34, 43, 49, 55, 61,	<code>\@list@extra</code>	3603, 3610, 3619, 3626,
	122, 133, 140, 152, 1227, 1294,		3634, 3641, 3649, 3657, 3664,
	1305, 1317, 1553, 1766, 2588,		3673, 3677, 3682, 3686, 3691,
	2595, 2602, 2610, 2636, 2652,		3695, 3700
	2692, 2708, 2744, 2760, 3778,	<code>\@listI</code> .....	3517, 3612
	3781, 3782	<code>\@listdepth</code> .....	1932
<code>\@headerfont</code>	5650, 5651, 5656, 5686	<code>\@listi</code>	3517, 3534, 3551, 3606, 3612,
<code>\@headerline</code>	5682, 5685, 5693, 5697		3702
<code>\@ifclassloaded</code>	4069, 4072, 4073,	<code>\@listi@footnotesize</code> ..	3551, 3637
	4074, 4075, 4076, 4077, 4078,	<code>\@listi@small</code> .....	3534, 3622
	4079, 4080, 4081, 4082, 4083,	<code>\@listii</code> .....	3652
	4084, 4085, 4086, 4087, 4088,	<code>\@listiii</code> .....	3667
	4089, 4090, 4091, 4092, 4093,	<code>\@listiv</code> .....	3680
	4094, 4095, 4212, 4224, 4236	<code>\@listv</code> .....	3689
<code>\@ifdefinable</code> .....	2472, 2474	<code>\@listvi</code> .....	3698
<code>\@ifdefinitionfileloaded</code>	1807,	<code>\@m</code> ....	2169, 3400, 3809, 3910, 4004
	1950, 1983, 2073, 2114, 4049,	<code>\@mainmatterfalse</code> ..	116, 127, 145,
	4050		1298, 2666
<code>\@ifnextchar</code>	2116, 2357, 2363, 3396	<code>\@maskanswerline</code>	5709, 5718, 5731,
<code>\@ifnum</code>	2294, 2296, 2298, 2305, 2306,		5735
	2309, 2321, 2344, 2346	<code>\@memfront</code> .....	1757
<code>\@ifpackageloaded</code>	76, 1681, 1685,	<code>\@minipagefalse</code> .....	3393
	2366, 2370, 2462, 2470, 4051,	<code>\@minipagerestore</code> .....	1933
	4052, 4053, 4054, 4055, 4056,	<code>\@minipagetrue</code> .....	3392
	4057, 4058, 4059, 4060, 4061,	<code>\@minus</code>	3465, 3467, 3471, 3473, 3479,
	4062, 4063, 4064, 4065, 4066,		3481, 3485, 3487, 3661
	4067, 4068, 4069, 4070, 4071	<code>\@mpLTRfootnotetext</code> .....	1930
<code>\@ifstar</code> .....	2356	<code>\@mpRTLfootnotetext</code> .....	1931
<code>\@ifundefined</code>	72, 2192, 2198, 2281,	<code>\@mpargs</code> .....	1922
	2287, 3403	<code>\@mpfn</code> .....	1928
<code>\@ignoretrue</code> .....	191	<code>\@mpfootnotetext</code> .....	1929
<code>\@iiiminipage</code> .....	1916	<code>\@mplistdepth</code> .....	1932
<code>\@iiiparbox</code> .....	1894	<code>\@namedef</code> ..	2146, 2200, 2289, 2453
<code>\@indexfile</code> ....	4214, 4226, 4238	<code>\@one</code> ..	1594, 1840, 1846, 1939, 1940,
<code>\@initorcheck</code> ...	5678, 5698, 5716		1943, 1952, 1962, 1963, 1967,
<code>\@inlabelfalse</code> .....	158		1986, 1996, 1997, 2001, 2002,
<code>\@input@</code> .....	4216, 4228, 4240		2003, 2040, 2041, 2045, 2046,
<code>\@lastchclass</code> ..	1935, 1936, 1952,		2047, 2075, 2085, 2086, 2098,
	1953, 1954, 1955, 1957, 1986,		2294, 2306, 2308, 2321, 2329,
			3350, 3351, 3443, 3796, 3837,





3844, 3856, 3861, 3897, 3938,  
 3945, 3957, 3962, 4107, 4348,  
 4349, 4350, 4351, 4352, 5299,  
 5304, 5323, 5330  
 \@next ..... 1830  
 \@nextchar 1958, 1960, 1961, 1962,  
 1963, 1964, 1965, 1967, 1968,  
 1969, 1970, 1971, 1974, 1975,  
 1976, 1977, 1978, 1979, 1992,  
 1994, 1995, 1996, 1997, 1998,  
 1999, 2001, 2002, 2003, 2004,  
 2005, 2006, 2007, 2010, 2011,  
 2012, 2013, 2014, 2015, 2027,  
 2029, 2030, 2081, 2083, 2084,  
 2085, 2086, 2087, 2088, 2089,  
 2090, 2091, 2092, 2093, 2094,  
 2095, 2096, 2098, 2099, 2100,  
 2101, 2102, 2105, 2106, 2107,  
 2109, 2110  
 \@nextchar ..... 2108  
 \@nil . 2383, 2387, 2388, 2393, 2395,  
 3827, 3830, 3928, 3931  
 \@nnil ..... 3494, 3498, 3502, 3503  
 \@nodocument ..... 1809  
 \@nonlatinfalse ..... 3338, 4159  
 \@nonlatintrue ..... 3352, 4161  
 \@onelevel@sanitize ..... 1812  
 \@parboxrestore 1885, 1900, 1927,  
 2124, 2134  
 \@parboxto ..... 1903, 1912  
 \@parmoderr ..... 1828  
 \@pboxswfalse ..... 1896, 1918  
 \@pboxswtrue ..... 1910  
 \@plus 3465, 3467, 3471, 3473, 3479,  
 3481, 3485, 3487, 3661, 3714,  
 3715  
 \@ppsavesec ..... 25  
 \@preamble ..... 2056, 2064  
 \@preamblecmds ..... 5360  
 \@preamerr 1946, 1980, 2016, 2050,  
 2111  
 \@ptsize ..... 3497  
 \@questionheader 5708, 5709, 5740  
 \@questionsepspace . 5764, 5769,  
 5775  
 \@questiontitle ..... 5757, 5770  
 \@questiontitlefont . 5758, 5759,  
 5770  
 \@resets@pp ..... 24, 1537, 1538  
 \@roman ..... 2658, 2714, 2766  
 \@safe@activesfalse .. 2191, 2280  
 \@safe@activetrue .. 2189, 2278  
 \@secondoftwo ... 2927, 2933, 2939  
 \@setfontsize .. 3511, 3528, 3545,  
 3556, 3562, 3568, 3574, 3580,  
 3586, 3592, 4493, 4499, 4501,  
 4504, 4511, 4517, 4518, 4519,  
 4520, 4521  
 \@setfipsbit 1850, 1853, 1856, 1859,  
 1862, 1865  
 \@setminipage ..... 1934  
 \@setnobreak ..... 2125, 2135  
 \@sharp 2058, 2059, 2060, 2066, 2067,  
 2068  
 \@smemfront ..... 1758  
 \@sptoken ..... 1217  
 \@startpbox ..... 2029, 2030  
 \@starttoc ..... 3743, 5661, 5666  
 \@stop ..... 2643, 2699, 2751  
 \@sx@xepersian@localize@verbatim  
 ..... 2146  
 \@tabclassz ..... 2061  
 \@tartibi .... 9, 16, 39, 45, 51, 57,  
 113, 124, 135, 147, 1225, 1290,  
 1300, 1312, 1550, 1760, 1761,  
 2583, 2590, 2597, 2605, 2613,  
 2654, 2668, 2710, 2720, 2762,  
 3890, 3892, 3895  
 \@tempa 1209, 1210, 1211, 1212, 1213,  
 1214, 1215, 1216, 1217, 1218,  
 1219, 1220, 1223, 2393, 2395,  
 2478, 2479, 2480, 2481, 2482,  
 2483, 2484, 2485, 2486, 2487,  
 2488, 3502, 3503  
 \@tempb 3500, 3503, 3520, 3537, 3554,  
 3560, 3566, 3572, 3578, 3584,  
 3590  
 \@tempboxa ..... 1923  
 \@tempc 2408, 2421, 2431, 2433, 2434,  
 2437, 2445  
 \@tempcnta 1832, 1838, 1840, 1844,  
 1846, 1868, 1869, 1875, 1876,  
 2020, 2303, 2304, 2305, 2308,  
 2309, 4098, 4101, 4107  
 \@tempcntb ..... 1873, 1874, 1875  
 \@tempdima 1899, 1900, 1921, 1925,  
 3493, 3494, 3495, 3499, 3501,  
 3512, 3519, 3520, 3529, 3536,  
 3537, 3546, 3553, 3554, 3557,  
 3559, 3560, 3563, 3565, 3566,



3569, 3571, 3572, 3575, 3577,  
 3578, 3581, 3583, 3584, 3587,  
 3589, 3590, 3593  
 \@tempdimb 1902, 1903, 3498, 3499,  
 3505, 3506, 3508, 3512, 3520,  
 3522, 3523, 3525, 3529, 3537,  
 3539, 3540, 3542, 3546, 3554,  
 3557, 3560, 3563, 3566, 3569,  
 3572, 3575, 3578, 3581, 3584,  
 3587, 3590, 3593, 3596, 3598,  
 3600, 3614, 3616, 3629, 3631,  
 3644, 3646, 3660, 3703, 3704,  
 3706, 3708, 3710, 3715, 3720,  
 4362, 4363  
 \@tempdimc 3495, 3496, 3497, 3499,  
 3500, 3501, 3519, 3536, 3553,  
 3559, 3565, 3571, 3577, 3583,  
 3589  
 \@tempskipa ..... 4366, 4367  
 \@tempswafalse . 2321, 3396, 3601,  
 3617, 3632, 3647, 3662, 3675,  
 3684, 3693  
 \@tempswatruue .. 2320, 3396, 3603,  
 3619, 3634, 3649, 3664, 3677,  
 3686, 3695  
 \@temptokena 2394, 2401, 2406, 2412,  
 2419, 2429, 2443  
 \@testpach 1935, 1951, 1985, 2036,  
 2074  
 \@tfor ..... 1833, 2478  
 \@thanks ..... 4698, 4704  
 \@the@choice ..... 5687, 5688  
 \@title ..... 4686, 4707  
 \@true ..... 5732, 5743, 5750  
 \@true@correction ... 5727, 5750  
 \@true@nocorrection .. 5725, 5743  
 \@truesymbol .... 5721, 5723, 5727  
 \@verbatim 2143, 2146, 2451, 2453,  
 2464  
 \@vobeyspaces ..... 2143, 2451  
 \@warning ..... 2450  
 \@x@xepersian@localize@verbatim  
 ..... 2143  
 \@xDeclareMathDelimiter .. 5355  
 \@xepersian@@baselineskip@scale  
 .. 3327, 3336, 3349, 3359  
 \@xepersian@@computeautoilgfalse  
 ..... 4305  
 \@xepersian@@computeautoilgtrue  
 ..... 4303  
 \@xepersian@@fontsize@scale ..  
 .. 3326, 3331, 3348, 3358  
 \@xepersian@info 2893, 2918, 2920  
 \@xepersian@pdfcustomproperties  
 ..... 3733  
 \@xfloat ..... 1808, 2115, 2116  
 \@xxDeclareMathDelimiter . 5354  
 \@xxxii ..... 1874  
 @\ ..... 1787, 1788  
 @\ ..... 1783, 1784, 1786  
 @\ ..... 2365  
 \[ ..... 2373  
 \[ 2140, 2373, 4654, 4969, 4970, 5232,  
 5235, 5284, 5654, 5693, 5697,  
 5717, 5718  
 \{ ..... 2139, 2373  
 \} ..... 2139, 2373  
 \] ..... 2373  
 \^ ..... 2374  
 \\_ 3004, 3007, 3020, 3024, 3028, 3031,  
 3043, 3065, 3069, 3070, 3077,  
 3080, 3092, 3096, 3103, 3108,  
 3111, 3127, 3132, 3135, 3182,  
 3185, 3198, 3202, 3206, 3209,  
 3222, 3226, 3230, 3233, 3246,  
 3250, 3254, 3257, 3270, 3274,  
 3278, 3281, 3294, 3298, 3302,  
 3305, 3318, 3322, 5416, 5417,  
 5420, 5429, 5430, 5441, 5445,  
 5449, 5453, 5457, 5461, 5465,  
 5467, 5475, 5477, 5481, 5487,  
 5506, 5510, 5512, 5515, 5517,  
 5521, 5525, 5527, 5530, 5532,  
 5536  
 \| ..... 4970  
 \~ ..... 2374, 2514  
 \\_ 1492, 1494, 3400, 3833, 3839, 3858,  
 3864, 3934, 3940, 3959, 3969,  
 4569, 4578  
 A  
 \abj@num@i ..... 4000, 4017, 4024  
 \abj@num@ii ..... 4002, 4021, 4028  
 \abj@num@iii ..... 4004, 4025, 4031  
 \abj@num@iv ..... 4006, 4029  
 \Abjad ..... 1228, 1233, 3776  
 \abjad ..... 1229, 1234, 4014  
 \abjad@zero ..... 4016, 4020



<code>\Abjadnumeral</code> . . . . .	3777		1699, 1700, 1701, 1702, 1703,
<code>\abjadnumeral</code> . . . . .	4015		1704, 1705, 1706, 1707, 1708,
<code>\abovedisplayshortskip</code> . .	3506,		1709, 1710, 1711, 1712, 1713,
	3514, 3523, 3531, 3540, 3548,		1714, 1715, 1716, 1717, 1718,
	4496, 4497, 4507, 4508, 4514,		1719, 1720, 1721, 1722, 1723,
	4515		1724, 1725, 1726, 1727, 1728,
<code>\abovedisplayskip</code> . .	3504, 3509,		1729, 1730, 1731, 1732, 1733,
	3513, 3521, 3526, 3530, 3538,		1734, 1735, 1736, 1737, 1738,
	3543, 3547, 4494, 4495, 4505,		1739, 1740, 1741, 1742, 1743,
	4506, 4512, 4513		1744, 1745, 1746, 1747, 1748,
<code>\abstractname</code> . . . . .	3756		1749
<code>\active</code> . . . . .	2374, 5541	<code>\aliasfontfeatureoption</code> .	1750,
<code>\adadi</code> . . . . .	1210, 1226, 1231, 2646, 2702,		1751, 1752, 1753, 1754, 1755
	2754, 3783	<code>\alloc@</code> . . . . .	5289
<code>\adadinumeral</code> . . . . .	3789	<code>\Alph</code> . . . . .	1212, 1524, 1525, 2648, 2704,
<code>\AddEnumerateCounter</code> . . . . .	1225, 1226,		2756
	1227, 1228, 1229	<code>\alph</code> . . . . .	1213, 2649, 2705, 2757, 2798,
<code>\addfontfeature</code> . . . . .	4327		5687, 5713
<code>\addfontfeatures</code> . .	155, 167, 180	<code>\alpha@elt</code> . . . . .	5348
<code>\addtocontents</code> . . . . .	5660, 5663, 5665,	<code>\alpha@list</code> . . . . .	5348
	5668, 5690, 5694, 5717, 5718	<code>\anappendixtrue</code> . . . . .	1767
<code>\addtolength</code> . . . . .	3496, 4721, 4722, 4725,	<code>\and</code> . . . . .	4711
	5144, 5145, 5146, 5147, 5211	<code>\answernumberfont</code> . . . . .	5675
<code>\addtoversion</code> . . . . .	5347	<code>\answerstyle</code> . . . . .	5671, 5741
<code>\adl@argarraydashrule</code> . . . . .	2003, 2047	<code>\answerstylefont</code> . . . . .	5673
<code>\adl@arraydashrule</code> . . . . .	2002, 2046	<code>\appendix</code> . . . . .	10, 17, 40, 46, 52, 58,
<code>\adl@arrayrule</code> . . . . .	2001, 2045		118, 129, 136, 148, 1291, 1301,
<code>\adl@box</code> . . . . .	2027, 2029, 2030		1313, 1521, 1522, 1551, 1762,
<code>\adl@class@iiiorvii</code> . . . . .	2033, 2070		2584, 2591, 2598, 2606, 2614,
<code>\adl@class@start</code> . . . . .	2032, 2069		2619, 2630, 2639, 2641, 2669,
<code>\adl@endmbox</code> . . . . .	2028		2674, 2685, 2695, 2697, 2721,
<code>\adl@putlrc</code> . . . . .	2024, 2025, 2026, 2058,		2726, 2737, 2747, 2749
	2059, 2060, 2066, 2067, 2068	<code>\appendixautorefname</code> . . . . .	1510
<code>\adl@startmbox</code> . . . . .	2027	<code>\appendixname</code> . . . . .	11, 19, 30,
<code>\advance</code> . . . . .	1495, 1840, 1846, 1869,		121, 132, 139, 151, 1304, 1316,
	1875, 2308, 3443, 3445, 4107,		1552, 1765, 2587, 2594, 2601,
	4485, 4489, 4757, 4760, 5304,		2609, 2691, 2743, 3753
	5330, 5812, 5847, 5851, 5857,	<code>\arabic</code> . . . . .	1216
	5861, 5866, 5869, 5870, 5874,	<code>\arrayrulewidth</code> . . . . .	5226
	5878, 5879, 5881, 5882, 5884,	<code>\articlesep</code> . . . . .	5208
	5904, 5908, 5909, 5912, 5917,	<code>\AtBeginDocument</code> . . . . .	71, 1520, 1647,
	5918, 5922, 5923, 5925, 5926,		2146, 2353, 2458, 3747, 4289,
	5928, 5931, 5933		4483, 4487
<code>\aftergroup</code> . . . . .	3603, 3619, 3634, 3649,	<code>\AtEndOfClass</code> . . . . .	4481
	3664, 3677, 3686, 3695	<code>\author</code> . . . . .	4709
<code>\ALG@name</code> . . . . .	5, 7	<code>\authorandplace</code> . . . . .	5182
<code>\algorithmicensure</code> . . . . .	3	<code>\AutoDisplayMathDigits</code> . . . . .	4129,
<code>\algorithmicrequire</code> . . . . .	2		5595, 5601
<code>\ALGS@name</code> . . . . .	6, 7	<code>\autofootnoterule</code> . . . . .	4172
<code>\aliasfontfeature</code> . . . . .	1697, 1698,	<code>\AutoInlineMathDigits</code> . . . . .	4121, 5591,



5600  
\AutoMathDigits . 4113, 5599, 5603

**B**

\backrefpagesname . . . . . 63  
\baselineskip . . . 3446, 3449, 4399,  
4401, 4403, 4406, 4407, 4409  
\begin 2367, 2368, 2618, 2624, 2629,  
2673, 2679, 2684, 2725, 2731,  
2736, 3383, 3384, 3741, 4537,  
4540, 4593, 4608, 4621, 4627,  
4648, 4679, 4685, 4692, 4716,  
4770, 4776, 4848, 4851, 4856,  
4863, 4878, 4893, 4910, 4944,  
4962, 4967, 4987, 4994, 4995,  
5016, 5018, 5019, 5041, 5046,  
5047, 5083, 5084, 5092, 5118,  
5126, 5132, 5133, 5141, 5171,  
5195, 5227, 5228, 5243, 5255,  
5269, 5691, 5695, 5706, 5707,  
5713, 5768  
\beginngroup . 163, 2138, 2355, 2371,  
2451, 2453, 2513, 2944, 2946,  
3602, 3618, 3633, 3648, 3663,  
3676, 3685, 3694, 5296, 5320,  
5542  
\beginL . . . . . 3393, 4569, 4970  
\beginR 4573, 4574, 4575, 4586, 4587,  
4588, 4793, 4794, 4795, 4813,  
4834, 4835, 4836, 4837, 4838,  
4839, 4990, 5085  
\belowdisplayshortskip . . 3507,  
3516, 3524, 3533, 3541, 3550,  
4497, 4508, 4515  
\belowdisplayskip . . 3509, 3515,  
3526, 3532, 3543, 3549, 4495,  
4506, 4513  
\bfseries . 2193, 2282, 3403, 3725,  
4529, 4535, 4554, 4562, 4590,  
4606, 4625, 4639, 4643, 4668,  
4673, 4677, 4802, 4808, 5650,  
5672, 5674, 5758  
\bgroup 1218, 1883, 1923, 2124, 2134,  
5292, 5316  
\bibname . . . . . 3760  
\bid@@footnotetext@font . 1479  
\bid@@LTRfootnotetext@font . .  
. . . . . 1481  
\bid@@RTLfootnotetext@font . .  
. . . . . 1483

\bid@@thebibliography@font@hook  
. . . . . 4040  
\bid@AfterEndPreamble . . . 4044  
\bid@appto . . . . . 2781, 2785  
\bid@AtEndPreamble . . . . 4325  
\bid@column@status . . 4312, 4316  
\bid@csdefcs . . . . . 806, 1679  
\bid@csletcs 501, 1679, 1683, 1684,  
1687, 1688  
\bid@digits@charclass . . 3044,  
3045, 3046, 3047, 3048, 3049,  
3051, 3052, 3053, 3054, 3055,  
3056, 3057, 3058  
\bid@firstcolumn@status@write  
. . . . . 4310, 4318  
\bid@font@@outputpage . . . 3409  
\bid@isloaded . 1638, 1639, 1640,  
1641, 1642, 1643, 1644, 1645,  
1646, 1649, 1652, 1655, 1658,  
1661, 1664, 1667, 1670, 1673  
\bid@lastcolumn@status@write  
. . . . . 4314, 4319  
\bid@newrobustcmd . 3361, 3362,  
3745  
\bid@patchcmd . 4326, 4362, 4366,  
4378, 4384, 4390, 4398  
\bid@reflect@box . . . . . 3746  
\bid@sepmark@charclass . 3048,  
3049  
\blacktriangleleft . . 1490, 1492  
\blacktriangleright . . 1490, 1492  
\bm@b . . . . . 1891  
\bm@c . . . . . 1888  
\bm@l . . . . . 1889  
\bm@r . . . . . 1890  
\bm@s . . . . . 1893  
\bm@t . . . . . 1892  
\bm@ . . . . . 1892  
\bm@ . . . . . 1890  
\bm@ . . . . . 1891  
\bm@ . . . . . 1888  
\bm@ . . . . . 1889  
\bm@ . . . . . 1893  
\bool . . . . . 5342  
\boolean . . 4470, 4482, 4491, 4595,  
4610, 4629, 4650, 4846, 4847,  
4877, 4909, 4943, 4961, 4985,  
5015, 5039, 5066  
\box . . . . . 169  
\BR@Latincitex . . . . . 64, 74



<code>\BRorg@Latincitex</code> .....	65, 73	<code>\ClassWarning</code> ..	2616, 2671, 2723, 4452, 4454, 4456, 4726, 4740
<b>C</b>			
<code>\C</code> .....	2375	<code>\cleardoubleoddpaper</code> .....	2665
<code>\c</code> 5374, 5377, 5385, 5393, 5401, 5409, 5616, 5629		<code>\cleardoublepage</code> 15, 115, 126, 144, 1297	
<code>\c@book</code> .....	1760	<code>\clearpage</code> .....	2665, 4830
<code>\c@chapter</code> .....	18, 20, 31, 122, 133, 140, 152, 1305, 1317, 1766, 2588, 2595, 2602, 2610, 2692, 2744	<code>\clist</code> 5439, 5443, 5444, 5451, 5452, 5459, 5460	
<code>\c@mpfootnote</code> .....	1928, 4039	<code>\closeout</code> .....	4214, 4226, 4238
<code>\c@part</code> .....	9, 16, 39, 45, 51, 57, 113, 124, 135, 147, 1290, 1300, 1312, 1550, 1761, 2583, 2590, 2597, 2605, 2613, 2668, 2720	<code>\color@begingroup</code> .....	1924
<code>\c@section</code> 10, 12, 18, 34, 43, 49, 55, 61, 1294, 1551, 1553, 2636		<code>\color@vbox</code> .....	1881, 2123, 2133
<code>\c@subsection</code> .....	10, 1551	<code>\columnlines</code> 4426, 4427, 4459, 4788	
<code>\catcode</code> .. 1677, 2138, 2139, 2140, 2374, 5541		<code>\columnsep</code> .....	4722, 5145
<code>\ccname</code> .....	3762	<code>\columnseprule</code> .....	4788
<code>\cdp@elt</code> .....	5345	<code>\columntitle</code> .....	5139
<code>\cdp@list</code> .....	5345	<code>\columnwidth</code> 1884, 1926, 2124, 2134, 4721, 5144	
<code>\centering</code> .....	4732, 5020, 5655	<code>\comment</code> .....	5745
<code>\cftchapname</code> .....	2810	<code>\contentsname</code> .....	3741, 3750
<code>\cftfigname</code> .....	2816	<code>\copyright</code> .....	4578
<code>\cftparaname</code> .....	2814	<code>\correction</code> .....	5745, 5752
<code>\cftsecname</code> .....	2811	<code>\correctionstyle</code> .....	5738
<code>\cftsubfigname</code> .....	2817	<code>\count</code> 1876, 4756, 4757, 4759, 4760, 4769, 4775	
<code>\cftsubparaname</code> .....	2815	<code>\count@</code> .....	2020
<code>\cftsubsecname</code> .....	2812	<code>\cs</code> 2461, 2463, 3007, 3024, 3031, 3065, 3080, 3096, 3111, 3113, 3118, 3135, 3137, 3142, 3185, 3202, 3209, 3226, 3233, 3250, 3257, 3274, 3281, 3298, 3305, 3322, 5369, 5370, 5371, 5372, 5373, 5416, 5417, 5441, 5449, 5457, 5465, 5477, 5506, 5512, 5521, 5527, 5536, 5613	
<code>\cftsubsubsecname</code> .....	2813	<code>\csname</code> 1680, 1873, 1913, 2118, 2121, 2128, 2131, 2148, 2455, 2472, 2473, 2474, 2475, 2476, 2641, 2697, 2749, 2945, 2948, 2954, 2956, 3407, 3604, 3620, 3635, 3650, 3665, 3678, 3687, 3696, 3776, 3781, 3784, 3890, 4014, 4379, 4381, 4385, 4387, 4391, 4393, 5295, 5298, 5303, 5304, 5319, 5322, 5326, 5327, 5330, 5365, 5367, 5909, 5918, 5928	
<code>\cftsubtabname</code> .....	2819	<code>\currenttime</code> .....	4552
<code>\cfttabname</code> .....	2818	<code>\customlogo</code> .....	4793
<code>\chapterautorefname</code> .....	1511	<code>\custommagazinenname</code> .....	4795
<code>\chaptername</code> .....	19, 1319, 3761	<code>\customminilogo</code> .....	4794
<code>\char</code> .....	5419, 5427	<code>\customwwwText</code> .....	4523
<code>\chardef</code> .. 1573, 1574, 1575, 1577, 1578, 1579, 1580, 1581, 3415, 5289			
<code>\charlist</code> .. 1602, 1603, 1605, 1609			
<code>\citation</code> .....	3402		
<code>\citenumfont</code> .....	2332		
<code>\citeyear</code> .....	2154		
<code>\citeyearpar</code> .....	2154		
<code>\ClassError</code> 4867, 4899, 4933, 4953, 4974, 4999, 5024, 5050, 5073, 5700			



## D

<code>\dollarbegin</code> . . . . .	2024, 2025, 2026	1518, 1519, 1522, 1533, 1538,
<code>\dollarend</code> . . . . .	2024, 2025, 2026	1551, 1553, 1583, 1602, 1604,
<code>\date</code> . . . . .	4551, 4562, 4710, 5179	1605, 1610, 1635, 1636, 1770,
<code>\datename</code> . . . . .	3758	1771, 1772, 1773, 1774, 1775,
<code>\day</code> . . . . .	5807	1776, 1777, 1778, 1808, 1810,
<code>\dblfloatsep</code> . . . . .	3712	1811, 1813, 1894, 1916, 1922,
<code>\dbltextfloatsep</code> . . . . .	3713	1928, 1935, 1951, 1985, 2019,
<code>\decimalseparator@check</code> .	5543,	2032, 2033, 2036, 2053, 2061,
	5544	2069, 2070, 2074, 2116, 2117,
<code>\decimalseparator@point</code> .	5539,	2120, 2127, 2130, 2143, 2144,
	5543	2153, 2156, 2168, 2169, 2179,
<code>\decimalseparator@pointcheck</code> .		2182, 2195, 2210, 2240, 2272,
	5542, 5543	2276, 2301, 2363, 2377, 2381,
<code>\DeclareDocumentCommand</code> .	3002,	2383, 2384, 2387, 2393, 2395,
	3026, 3067, 3075, 3101, 3106,	2397, 2413, 2416, 2432, 2433,
	3125, 3130, 3180, 3204, 3228,	2436, 2449, 2451, 2454, 2471,
	3252, 3276, 3300, 5473, 5508,	2516, 2774, 2821, 2829, 2837,
	5523	2845, 2853, 2861, 2869, 2877,
<code>\DeclareMathAccent</code> . . . . .	5353	2885, 2886, 2941, 2942, 2943,
<code>\DeclareMathAlphabet</code> . . . . .	5352	2949, 2950, 2954, 3325, 3328,
<code>\DeclareMathDelimiter</code> . . . . .	5354	3333, 3347, 3363, 3364, 3373,
<code>\DeclareMathRadical</code> . . . . .	5356	3374, 3386, 3387, 3388, 3397,
<code>\DeclareMathSizes</code> . . . . .	5345	3400, 3502, 3603, 3619, 3634,
<code>\DeclareMathSymbol</code> . . . . .	5353	3649, 3664, 3677, 3686, 3695,
<code>\DeclareMathVersion</code> . . . . .	5347	3748, 3749, 3750, 3751, 3752,
<code>\DeclareOption</code> .	4448, 4449, 4450,	3753, 3754, 3755, 3756, 3757,
	4451, 4453, 4455, 4457, 4458,	3758, 3759, 3760, 3761, 3762,
	4459, 4460, 4461, 5742, 5749	3763, 3764, 3765, 3766, 3768,
<code>\DeclareOptionX</code> .	4257, 4263, 4267,	3776, 3778, 3781, 3790, 3795,
	4271, 4275, 4279, 4283	3804, 3830, 3843, 3854, 3868,
<code>\DeclareRobustCommand</code> .	2354, 3011,	3874, 3877, 3880, 3884, 3896,
	3036, 3083, 3155, 3158, 3161,	3905, 3931, 3944, 3955, 3973,
	3164, 3167, 3170, 3189, 3213,	3978, 3985, 3995, 4014, 4016,
	3237, 3261, 3285, 3309, 3395	4017, 4021, 4025, 4029, 4035,
<code>\DeclareSymbolFont</code> .	5350, 5483,	4039, 4097, 4247, 4252, 4264,
	5484, 5485, 5486, 5516, 5531	4268, 4276, 4280, 4284, 4310,
<code>\DeclareSymbolFontAlphabet</code> .	5357	4314, 4523, 4793, 4794, 4795,
<code>\DeclareSymbolFontAlphabet@</code> . .		5289, 5291, 5315, 5488, 5518,
	5357	5533, 5543, 5544, 5571, 5572,
<code>\DeclareTextFontCommand</code> .	3173,	5573, 5574, 5575, 5579, 5583,
	3174, 3175, 3176, 3177, 3178	5587, 5591, 5595, 5599, 5650,
<code>\def</code> . . . . .	2, 3, 5, 6, 7, 10, 12,	5652, 5654, 5672, 5674, 5678,
	15, 17, 20, 63, 64, 77, 111, 155,	5685, 5721, 5722, 5725, 5726,
	167, 180, 187, 191, 1208, 1209,	5727, 5728, 5737, 5740, 5747,
	1210, 1211, 1212, 1213, 1214,	5748, 5754, 5755, 5758, 5942
	1215, 1216, 1487, 1489, 1491,	<code>\def@NAT@last@yr</code> . . . . .
	1493, 1504, 1505, 1506, 1507,	2311, 2313
	1508, 1509, 1510, 1511, 1512,	<code>\DefaultDisplayMathDigits</code> .
	1513, 1514, 1515, 1516, 1517,	4131,
		5574, 5577
		<code>\defaultfontfeatures</code> . . . . .
		4258
		<code>\DefaultInlineMathDigits</code> .
		4123,



[5573, 5576](#)  
`\DefaultMathDecimalSeparator` .  
     [5572, 5620](#)  
`\DefaultMathDigits` .. [4115, 5575](#)  
`\define@choicekey` .. [4111, 4119,](#)  
     [4127, 4135, 4142, 4150, 4157,](#)  
     [4164, 4170, 4182, 4188, 4194,](#)  
     [4198, 4202, 4208, 4221, 4233,](#)  
     [4245, 4287, 4294, 4301, 4308,](#)  
     [4323, 4333](#)  
`\define@key` ..... [2477](#)  
`\define@mathalphabet` ..... [5347](#)  
`\define@mathgroup` ..... [5347](#)  
`\deflatinfont` ..... [3125](#)  
`\defpersianfont` ..... [3101](#)  
`\depth` ..... [2485, 2486](#)  
`\DigitsDotDashInterCharToks` ..  
     [3049](#)  
`\dimexpr` .. [1593, 3329, 3331, 3334,](#)  
     [3336, 3449, 3499, 3653, 3668,](#)  
     [3681, 3690, 3699, 4363, 4367,](#)  
     [4372, 4373, 4374](#)  
`\ding` ..... [5721, 5722](#)  
`\display@setup` ..... [156, 181](#)  
`\divide` [4762, 4763, 5809, 5817, 5822,](#)  
     [5849, 5855, 5863, 5865, 5868,](#)  
     [5872, 5876, 5880](#)  
`\do` [1835, 2188, 2277, 2478, 3399, 4099,](#)  
     [5360](#)  
`\document@select@group` ... [5315](#)  
`\dorestore@version` ..... [5349](#)  
`\dosetclass` ..... [1603, 1604, 1608](#)  
`\dot` ..... [5555](#)  
`\doublebox` ..... [5101, 5154](#)  
`\dquad` ..... [189, 191](#)  
`\dseries@display@setup` ... [181](#)

**E**

`\e@alloc@intercharclass@top` ..  
     [3044, 3045](#)  
`\edef` . [1903, 1958, 1992, 2056, 2064,](#)  
     [2081, 2190, 2279, 2439, 2893,](#)  
     [2919, 2948, 2951, 3401, 3497,](#)  
     [3500, 3510, 3527, 3544, 3555,](#)  
     [3561, 3567, 3573, 3579, 3585,](#)  
     [3591, 3606, 3622, 3637, 3652,](#)  
     [3667, 3680, 3689, 3698, 4102,](#)  
     [5687](#)  
`\edition` ..... [4820](#)  
`\editionFormat` ..... [4529, 4532](#)

`\editorialAuthorFormat` .. [4672,](#)  
     [5236](#)  
`\editorialTitleFormat` [4670, 4671](#)  
`\else` ..... [2, 3, 5, 7, 32,](#)  
     [63, 111, 159, 189, 1209, 1210,](#)  
     [1211, 1212, 1213, 1214, 1215,](#)  
     [1216, 1217, 1218, 1219, 1308,](#)  
     [1323, 1330, 1338, 1345, 1353,](#)  
     [1360, 1368, 1375, 1382, 1389,](#)  
     [1396, 1403, 1410, 1417, 1424,](#)  
     [1431, 1438, 1445, 1452, 1459,](#)  
     [1466, 1473, 1479, 1490, 1492,](#)  
     [1494, 1504, 1505, 1506, 1507,](#)  
     [1508, 1509, 1510, 1511, 1512,](#)  
     [1513, 1514, 1515, 1516, 1517,](#)  
     [1518, 1519, 1607, 1635, 1636,](#)  
     [1648, 1651, 1654, 1657, 1660,](#)  
     [1663, 1666, 1669, 1672, 1770,](#)  
     [1771, 1772, 1773, 1774, 1775,](#)  
     [1776, 1777, 1778, 1816, 1824,](#)  
     [1829, 1839, 1845, 1898, 1901,](#)  
     [1906, 1907, 1908, 1909, 1910,](#)  
     [1920, 1935, 1936, 1937, 1938,](#)  
     [1939, 1940, 1941, 1942, 1943,](#)  
     [1944, 1945, 1946, 1952, 1953,](#)  
     [1954, 1956, 1957, 1960, 1961,](#)  
     [1962, 1963, 1964, 1965, 1967,](#)  
     [1968, 1969, 1970, 1971, 1974,](#)  
     [1975, 1976, 1977, 1978, 1979,](#)  
     [1986, 1987, 1988, 1990, 1991,](#)  
     [1994, 1995, 1996, 1997, 1998,](#)  
     [1999, 2001, 2002, 2003, 2004,](#)  
     [2005, 2006, 2007, 2010, 2011,](#)  
     [2012, 2013, 2014, 2015, 2035,](#)  
     [2036, 2037, 2038, 2039, 2040,](#)  
     [2041, 2042, 2043, 2045, 2046,](#)  
     [2047, 2048, 2049, 2050, 2075,](#)  
     [2076, 2077, 2079, 2080, 2083,](#)  
     [2084, 2085, 2086, 2087, 2088,](#)  
     [2089, 2090, 2091, 2092, 2093,](#)  
     [2094, 2095, 2096, 2098, 2099,](#)  
     [2100, 2101, 2102, 2105, 2106,](#)  
     [2107, 2108, 2109, 2110, 2122,](#)  
     [2132, 2157, 2170, 2202, 2207,](#)  
     [2216, 2219, 2233, 2237, 2246,](#)  
     [2250, 2253, 2265, 2269, 2270,](#)  
     [2291, 2312, 2326, 2328, 2331,](#)  
     [2345, 2347, 2358, 2381, 2392,](#)  
     [2405, 2407, 2410, 2425, 2427,](#)  
     [2433, 2441, 2449, 2476, 2479,](#)



2480, 2481, 2482, 2483, 2484,	5663, 5665, 5668, 5714, 5715,
2485, 2486, 2487, 2644, 2665,	5719, 5773
2700, 2752, 2777, 2794, 2810,	\end@correction . . . . . 5753
2811, 2812, 2813, 2814, 2815,	\endcomment . . . . . 5746
2816, 2817, 2818, 2819, 2825,	\endcorrection . . . . . 5746, 5753
2833, 2841, 2849, 2857, 2865,	\endcsname 1680, 1873, 1913, 2118,
2873, 2880, 2926, 2932, 2938,	2121, 2128, 2131, 2148, 2455,
2965, 3062, 3063, 3409, 3424,	2472, 2473, 2474, 2475, 2476,
3435, 3462, 3463, 3464, 3466,	2641, 2697, 2749, 2945, 2948,
3469, 3470, 3472, 3476, 3477,	2954, 2956, 3407, 3604, 3620,
3478, 3480, 3483, 3484, 3486,	3635, 3650, 3665, 3678, 3687,
3748, 3749, 3750, 3751, 3752,	3696, 3776, 3781, 3784, 3890,
3753, 3754, 3755, 3756, 3757,	4014, 4379, 4381, 4385, 4387,
3758, 3759, 3760, 3761, 3762,	4391, 4393, 5295, 5298, 5303,
3763, 3764, 3765, 3766, 3775,	5304, 5319, 5322, 5326, 5328,
3780, 3798, 3800, 3808, 3809,	5330, 5365, 5367, 5909, 5918,
3810, 3811, 3812, 3813, 3814,	5929
3815, 3833, 3848, 3862, 3875,	\endgroup . 2376, 2454, 2517, 2944,
3878, 3899, 3901, 3909, 3910,	2952, 3605, 3621, 3636, 3651,
3911, 3912, 3913, 3914, 3915,	3666, 3679, 3688, 3697, 5300,
3916, 3934, 3949, 3962, 3963,	5324, 5545, 5546, 5547, 5548,
3966, 3997, 3999, 4001, 4003,	5549, 5550, 5551, 5552, 5553,
4005, 4106, 4217, 4229, 4241,	5554, 5555, 5556, 5557
4408, 4739, 5217, 5292, 5305,	\endL . . . . . 4569, 4970
5311, 5316, 5331, 5337, 5434,	\endlatin . . . . . 3364, 3372
5545, 5546, 5547, 5548, 5549,	\endLTR . . . . . 3364
5550, 5551, 5552, 5553, 5554,	\endMakeFramed . . . . . 1498
5555, 5556, 5571, 5580, 5581,	\endmath . . . . . 186
5582, 5584, 5585, 5586, 5592,	\endpersian . . . . . 3374, 3382
5593, 5594, 5596, 5597, 5598,	\endquestion . . . . . 5766
5815, 5819, 5824, 5825, 5832,	\endR . 4573, 4574, 4575, 4586, 4587,
5853, 5858, 5888, 5924, 5932	4588, 4793, 4794, 4795, 4813,
\empty . . . . . 1606	4834, 4835, 4836, 4837, 4838,
\enclname . . . . . 3763	4839, 4990, 5085
\encodingdefault 3019, 3091, 3197,	\endRTL . . . . . 3374
3221, 3245, 3269, 3293, 3317	\ends@math . . . . . 186
\end . . 1603, 1604, 1609, 1610, 2367,	\endtrivlist . . . . . 2144, 2454
2368, 2439, 2450, 2618, 2622,	\end . . . 2144, 2148, 2454, 2455
2626, 2628, 2673, 2677, 2681,	\ensuremath . . . . . 2922
2683, 2725, 2729, 2733, 2735,	\eq@addpunct . . . . . 191
3383, 3384, 3744, 4537, 4542,	\eq@group . . . . . 159, 168
4599, 4613, 4623, 4632, 4655,	\eq@GRP@first@dmath . . . . . 168
4694, 4697, 4700, 4717, 4772,	\eq@prelim . . . . . 159, 176
4778, 4855, 4861, 4865, 4891,	\eq@setnumber . . . . . 162
4897, 4931, 4951, 4966, 4972,	\eq@setup@a . . . . . 164
5008, 5009, 5010, 5033, 5034,	\eq@startup . . . . . 165
5035, 5059, 5060, 5061, 5086,	\eq@wdCond . . . . . 183
5087, 5090, 5120, 5124, 5135,	\eqcommand 195, 196, 197, 198, 199,
5136, 5173, 5177, 5206, 5237,	200, 201, 202, 203, 204, 205,
5238, 5252, 5264, 5277, 5660,	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, 502, 503, 504, 505, 506,  
507, 508, 509, 510, 511, 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, 807,  
808, 809, 810, 811, 812, 813,



814, 815, 816, 817, 818, 819,	1095, 1096, 1097, 1098, 1099,
820, 821, 822, 823, 824, 825,	1100, 1101, 1102, 1103, 1104,
826, 827, 828, 829, 830, 831,	1105, 1106, 1107, 1108, 1109,
832, 833, 834, 835, 836, 837,	1110, 1111, 1112, 1113, 1114,
838, 839, 840, 841, 842, 843,	1115, 1116, 1117, 1118, 1119,
844, 845, 846, 847, 848, 849,	1120, 1121, 1122, 1123, 1124,
850, 851, 852, 853, 854, 855,	1125, 1126, 1127, 1128, 1129,
856, 857, 858, 859, 860, 861,	1130, 1131, 1132, 1133, 1134,
862, 863, 864, 865, 866, 867,	1135, 1136, 1137, 1148, 1149,
868, 869, 870, 871, 872, 873,	1150, 1151, 1152, 1153, 1154,
874, 875, 876, 877, 878, 879,	1155, 1156, 1157, 1158, 1159,
880, 881, 882, 883, 884, 885,	1160, 1161, 1162, 1163, 1164,
886, 887, 888, 889, 890, 891,	1165, 1166, 1167, 1168, 1169,
892, 893, 894, 895, 896, 897,	1170, 1171, 1172, 1173, 1174,
898, 899, 900, 901, 902, 903,	1175, 1176, 1177, 1178, 1179,
904, 905, 906, 907, 908, 909,	1180, 1181, 1182, 1183, 1184,
910, 911, 912, 913, 914, 915,	1185, 1186, 1187, 1188, 1189,
916, 917, 918, 919, 920, 921,	1190, 1191, 1192, 1193, 1194,
922, 923, 924, 925, 926, 927,	1195, 1196, 1197, 1198, 1199,
928, 929, 930, 931, 932, 933,	1200, 1201, 1202, 1203, 1204,
934, 935, 936, 937, 938, 939,	1205, 1206, 1679
940, 941, 942, 943, 944, 945,	<code>\eqenvironment</code> . 1236, 1237, 1238,
946, 947, 948, 949, 950, 951,	1239, 1240, 1241, 1242, 1243,
952, 953, 954, 955, 956, 957,	1244, 1245, 1246, 1247, 1248,
958, 959, 960, 961, 962, 963,	1249, 1250, 1251, 1252, 1253,
964, 965, 966, 967, 968, 969,	1254, 1255, 1256, 1257, 1258,
970, 971, 972, 973, 974, 975,	1259, 1260, 1261, 1262, 1263,
976, 977, 978, 979, 980, 981,	1264, 1265, 1266, 1267, 1268,
982, 983, 984, 985, 986, 987,	1269, 1270, 1271, 1272, 1273,
988, 989, 990, 991, 992, 993,	1274, 1275, 1276, 1277, 1279,
994, 995, 996, 997, 998, 999,	1280, 1281, 1282, 1283, 1284,
1000, 1001, 1002, 1003, 1004,	1285, 1286, 1287, 1288, 1680
1005, 1006, 1007, 1008, 1009,	<code>\eqstyle</code> . . . . . 161
1010, 1011, 1012, 1013, 1014,	<code>\equal</code> 4768, 4923, 5095, 5100, 5105,
1015, 1016, 1017, 1018, 1019,	5110, 5115, 5148, 5153, 5158,
1020, 1021, 1022, 1023, 1024,	5163, 5168
1025, 1026, 1027, 1028, 1029,	<code>\equationautorefname</code> . . . . . 1504
1030, 1031, 1032, 1033, 1034,	<code>\escapechar</code> . . . . . 2947, 5297, 5321
1035, 1036, 1037, 1038, 1039,	<code>\everydisplay</code> . . . 156, 5607, 5608
1040, 1041, 1042, 1043, 1044,	<code>\everyjob</code> . . . . . 2919, 2920
1045, 1046, 1047, 1048, 1049,	<code>\everymath</code> . . . . . 5604
1050, 1051, 1052, 1053, 1054,	<code>\everypar</code> . . . . . 3366, 3376, 3393
1055, 1056, 1057, 1058, 1059,	<code>\ExecuteOptions</code> . . . . . 5756
1060, 1061, 1062, 1063, 1064,	<code>\ExecuteOptionsX</code> . . . . . 4340
1065, 1066, 1067, 1068, 1069,	<code>\exp</code> . . 3011, 3013, 3014, 3015, 3036,
1070, 1071, 1072, 1073, 1074,	3038, 3039, 3040, 3083, 3085,
1075, 1076, 1077, 1078, 1079,	3086, 3087, 3116, 3118, 3119,
1080, 1081, 1082, 1083, 1084,	3120, 3140, 3142, 3143, 3144,
1085, 1086, 1087, 1088, 1089,	3189, 3191, 3192, 3193, 3213,
1090, 1091, 1092, 1093, 1094,	3215, 3216, 3217, 3237, 3239,



3240, 3241, 3261, 3263, 3264,  
 3265, 3285, 3287, 3288, 3289,  
 3309, 3311, 3312, 3313  
 \expandafter 156, 1603, 1609, 1833,  
 1834, 1958, 1992, 2081, 2118,  
 2121, 2128, 2131, 2148, 2190,  
 2279, 2395, 2400, 2401, 2406,  
 2411, 2412, 2418, 2419, 2420,  
 2421, 2428, 2429, 2430, 2431,  
 2433, 2442, 2443, 2444, 2445,  
 2455, 2472, 2473, 2474, 2475,  
 2925, 2927, 2931, 2933, 2937,  
 2939, 2944, 2945, 2948, 2951,  
 2952, 2954, 2955, 3401, 3503,  
 3776, 3781, 3784, 3799, 3805,  
 3890, 3900, 3906, 4000, 4002,  
 4004, 4006, 4014, 5292, 5311,  
 5316, 5325, 5326, 5327, 5337,  
 5604, 5607, 5688  
 \expandedtitle ..... 5089  
 \ExplSyntaxOff . 2147, 2469, 3324,  
 5362, 5538, 5640  
 \ExplSyntaxOn .. 2145, 2457, 2970,  
 5341, 5368, 5612  
 \extract@alph@from@version 5325  
  
**F**  
 \f@baselineskip 3342, 3356, 3596,  
 3703, 4399, 4401  
 \f@family ..... 3062, 3063  
 \f@size ..... 3342, 3356  
 \f@ur . 1590, 3415, 3431, 3432, 3433,  
 3436, 3437, 3438  
 \false ..... 5733  
 \falsesymbol ..... 5724  
 \familydefault . 3018, 3090, 3196,  
 3220, 3244, 3268, 3292, 3316  
 \fancyfoot . 4833, 4837, 4838, 4839  
 \fancyhead . 4832, 4834, 4835, 4836  
 \FancyVerbLineautorefname 1517  
 \fbox .. 4717, 4732, 4947, 5710, 5770  
 \fboxrule . 1487, 1489, 1491, 1493,  
 4789  
 \fboxsep .. 1487, 1489, 1491, 1493,  
 4720, 4913, 4945, 5017, 5045,  
 5093, 5142  
 \fi ..... 2, 3, 5, 7, 35,  
 63, 68, 111, 155, 157, 158, 159,  
 167, 178, 180, 189, 1222, 1308,  
 1325, 1332, 1340, 1347, 1355,  
 1362, 1370, 1377, 1384, 1391,  
 1398, 1405, 1412, 1419, 1426,  
 1433, 1440, 1447, 1454, 1461,  
 1468, 1475, 1479, 1490, 1492,  
 1494, 1504, 1505, 1506, 1507,  
 1508, 1509, 1510, 1511, 1512,  
 1513, 1514, 1515, 1516, 1517,  
 1518, 1519, 1599, 1608, 1635,  
 1636, 1650, 1653, 1656, 1659,  
 1662, 1665, 1668, 1671, 1674,  
 1770, 1771, 1772, 1773, 1774,  
 1775, 1776, 1777, 1778, 1819,  
 1820, 1826, 1841, 1842, 1847,  
 1848, 1851, 1854, 1857, 1860,  
 1863, 1866, 1870, 1871, 1879,  
 1897, 1898, 1904, 1911, 1914,  
 1919, 1920, 1939, 1940, 1941,  
 1942, 1946, 1947, 1948, 1962,  
 1963, 1964, 1965, 1980, 1981,  
 1996, 1997, 1998, 1999, 2016,  
 2017, 2031, 2040, 2041, 2042,  
 2043, 2050, 2051, 2055, 2060,  
 2063, 2068, 2071, 2085, 2086,  
 2087, 2088, 2111, 2112, 2122,  
 2132, 2144, 2162, 2180, 2201,  
 2203, 2214, 2218, 2227, 2228,  
 2232, 2244, 2249, 2253, 2257,  
 2258, 2262, 2267, 2268, 2269,  
 2270, 2290, 2292, 2314, 2322,  
 2330, 2331, 2340, 2341, 2347,  
 2350, 2360, 2381, 2396, 2414,  
 2434, 2447, 2450, 2476, 2488,  
 2516, 2645, 2646, 2647, 2648,  
 2649, 2650, 2651, 2652, 2653,  
 2654, 2655, 2656, 2657, 2658,  
 2659, 2660, 2665, 2701, 2702,  
 2703, 2704, 2705, 2706, 2707,  
 2708, 2709, 2710, 2711, 2712,  
 2713, 2714, 2715, 2716, 2753,  
 2754, 2755, 2756, 2757, 2758,  
 2759, 2760, 2761, 2762, 2763,  
 2764, 2765, 2766, 2767, 2768,  
 2779, 2796, 2810, 2811, 2812,  
 2813, 2814, 2815, 2816, 2817,  
 2818, 2819, 2827, 2835, 2843,  
 2851, 2859, 2867, 2875, 2882,  
 2928, 2934, 2940, 2958, 2959,  
 2967, 3062, 3063, 3370, 3380,  
 3402, 3409, 3423, 3428, 3429,  
 3430, 3434, 3439, 3440, 3441,



3442, 3451, 3462, 3463, 3464,  
 3468, 3470, 3474, 3475, 3477,  
 3478, 3482, 3484, 3488, 3489,  
 3490, 3610, 3626, 3641, 3657,  
 3673, 3682, 3691, 3700, 3748,  
 3749, 3750, 3751, 3752, 3753,  
 3754, 3755, 3756, 3757, 3758,  
 3759, 3760, 3761, 3762, 3763,  
 3764, 3765, 3766, 3775, 3780,  
 3802, 3816, 3828, 3833, 3834,  
 3837, 3839, 3840, 3852, 3856,  
 3858, 3859, 3861, 3864, 3866,  
 3872, 3875, 3878, 3882, 3887,  
 3903, 3917, 3929, 3934, 3935,  
 3938, 3940, 3941, 3953, 3957,  
 3959, 3960, 3962, 3968, 3969,  
 3971, 3976, 3983, 3989, 4007,  
 4008, 4009, 4010, 4011, 4012,  
 4019, 4020, 4023, 4024, 4027,  
 4028, 4030, 4031, 4043, 4106,  
 4118, 4126, 4134, 4140, 4147,  
 4155, 4162, 4169, 4181, 4187,  
 4193, 4197, 4201, 4207, 4219,  
 4220, 4231, 4232, 4243, 4244,  
 4256, 4292, 4299, 4306, 4320,  
 4331, 4338, 4360, 4410, 4411,  
 4413, 4742, 4743, 4948, 4965,  
 5129, 5203, 5222, 5249, 5274,  
 5292, 5310, 5311, 5316, 5336,  
 5337, 5436, 5558, 5559, 5560,  
 5561, 5562, 5563, 5564, 5565,  
 5566, 5567, 5568, 5569, 5571,  
 5580, 5581, 5582, 5584, 5585,  
 5586, 5592, 5593, 5594, 5596,  
 5597, 5598, 5824, 5826, 5827,  
 5828, 5834, 5858, 5859, 5879,  
 5890, 5911, 5920, 5927, 5934,  
 5949  
 \figureautorefname . . . . . 1507  
 \figurename . . . . . 1334, 3748  
 \finishsetclass . . . . . 1606, 1610  
 \firstarticle . . . . . 4844, 4868, 4869,  
 4871  
 \FirstFrameCommand . . . . . 1489  
 \firstimage . . . . . 4941, 4954, 4955, 4957  
 \firstTextFormat . . . . . 4602, 4604  
 \firstTitleFormat 4590, 4596, 4597  
 \float@box . . . . . 2119, 2129  
 \float@endH . . . . . 2118, 2128  
 \floatsep . . . . . 3707, 3711, 3712  
 \flushright . . . . . 4590, 4609, 4628  
 \font . . . . . 1593, 3419  
 \font@name 4379, 4381, 4385, 4387,  
 4391, 4393  
 \fontcharwd . . . . . 1593  
 \fontencoding . . . . . 3013, 3039, 3085,  
 3119, 3143, 3191, 3215, 3239,  
 3263, 3287, 3311  
 \fontfamily 3014, 3038, 3086, 3118,  
 3142, 3157, 3160, 3163, 3166,  
 3169, 3172, 3192, 3216, 3240,  
 3264, 3288, 3312  
 \fontsize . . . . . 3342, 3356  
 \fontspec . . . . . 2146, 2464, 3009, 3033,  
 3082, 3113, 3137, 3187, 3211,  
 3235, 3259, 3283, 3307, 5480,  
 5514, 5529  
 \foot . . . . . 4585  
 \footdir@debugfalse . . . . . 4192  
 \footdir@debugtrue . . . . . 4190  
 \footins . . . . . 3705  
 \footnote . . . . . 4682  
 \footnoteautorefname . . . . . 1505  
 \footnoterule . . . . . 4681  
 \footnotesep . . . . . 3704, 4407, 4409  
 \footnotesize . . . . . 103, 105, 107, 1308,  
 1309, 1310, 1479, 1481, 1483,  
 3544, 3545, 4510, 4511, 4545,  
 4578, 4643, 4667, 4668, 4680  
 \foottextfont . . . . . 1308  
 \FrameCommand . . . . . 1487  
 \FrameRestore . . . . . 1495  
 \Frefchapname . . . . . 1319, 1388, 1390  
 \frefchapname . . . . . 1386  
 \Frefenumname . . . . . 1320, 1395, 1397  
 \frefenumname . . . . . 1393  
 \Frefeqname . . . . . 1327, 1402, 1404  
 \frefeqname . . . . . 1400  
 \Freffigname 1334, 1367, 1409, 1411  
 \freffigname . . . . . 1407  
 \Freffigshortname 1365, 1458, 1460  
 \freffigshortname . . . . . 1456  
 \Freffnname . . . . . 1335, 1416, 1418  
 \freffnname . . . . . 1414  
 \Frefonname . . . . . 1342, 1423, 1425  
 \frefonname . . . . . 1421  
 \Frefpgname . . . . . 1349, 1374, 1430, 1432  
 \frefpgname . . . . . 1428  
 \Frefpgshortname 1372, 1465, 1467  
 \frefpgshortname . . . . . 1463





[\Hy@chapapp](#) . . . . . 1526, 1544  
[\HyOrg@appendix](#) . . . . . 1521, 1527  
[\HyOrg@resets@pp](#) . . . . . 1537, 1545  
[\hyper@natlinkbreak](#) . . 2222, 2253  
[\hyper@natlinkstart](#) . . . . . 77

## I

[\if](#) . 159, 178, 1837, 1843, 1849, 1852,  
 1855, 1858, 1861, 1864, 1867,  
 1898, 1905, 1906, 1907, 1908,  
 1920, 1937, 1938, 1939, 1940,  
 1941, 1942, 1943, 1944, 1945,  
 1946, 1960, 1961, 1962, 1963,  
 1964, 1965, 1967, 1968, 1969,  
 1970, 1971, 1974, 1975, 1976,  
 1977, 1978, 1979, 1994, 1995,  
 1996, 1997, 1998, 1999, 2001,  
 2002, 2003, 2004, 2005, 2006,  
 2007, 2010, 2011, 2012, 2013,  
 2014, 2015, 2038, 2039, 2040,  
 2041, 2042, 2043, 2045, 2046,  
 2047, 2048, 2049, 2050, 2083,  
 2084, 2085, 2086, 2087, 2088,  
 2089, 2090, 2091, 2092, 2093,  
 2094, 2095, 2096, 2098, 2099,  
 2100, 2101, 2102, 2105, 2106,  
 2107, 2108, 2109, 2110, 2205,  
 2235, 2253, 2263, 2269, 2270,  
 2331, 2347, 2379, 2399, 2405,  
 2407, 2417, 2425, 2427, 2449,  
 2479, 2480, 2481, 2482, 2483,  
 2484, 2485, 2486, 2487, 2488  
[\if@@textdigitfont@on](#) 3062, 3063,  
 3454  
[\if@bidi@algorithmicloaded@](#) . .  
 . . . . . 1648  
[\if@bidi@algorithmloaded@](#) 1651  
[\if@bidi@backrefloaded@](#) . . 1654  
[\if@bidi@csprimitive](#) . . . . . 1679  
[\if@bidi@csundef](#) 3050, 3739, 3994,  
 4045  
[\if@bidi@enumerateloading@](#) 1657  
[\if@bidi@enumitemloaded@](#) . 1660  
[\if@bidi@fancyrefloaded@](#) . 1663  
[\if@bidi@tocloftloaded@](#) . . 1666  
[\if@bidi@urllloaded@](#) . . . . . 1669  
[\if@bidi@variorefloaded@](#) . 1672  
[\if@chapter@pp](#) . . . . . 28  
[\if@extrafootnotefeatures](#) 4357  
[\if@files](#) . . . . . 3402

[\if@hboxRconstruct](#) . . 1897, 1919  
[\if@inlabel](#) . . . . . 158  
[\if@Kashida@on](#) . . . . . 1582, 1584  
[\if@LTRbibitems](#) . . . . . 4041  
[\if@newlist](#) . . . . . 2144  
[\if@nonlatin](#) 2775, 3062, 3063, 5592,  
 5593, 5594, 5596, 5597, 5598  
[\if@noskipsec](#) . . . . . 157  
[\if@pboxsw](#) . . . . . 1914  
[\if@RTL](#) . . . . . 2, 3, 5,  
 7, 63, 111, 155, 167, 180, 1321,  
 1328, 1336, 1343, 1351, 1358,  
 1366, 1373, 1380, 1387, 1394,  
 1401, 1408, 1415, 1422, 1429,  
 1436, 1443, 1450, 1457, 1464,  
 1471, 1490, 1492, 1494, 1504,  
 1505, 1506, 1507, 1508, 1509,  
 1510, 1511, 1512, 1513, 1514,  
 1515, 1516, 1517, 1518, 1519,  
 1635, 1636, 1770, 1771, 1772,  
 1773, 1774, 1775, 1776, 1777,  
 1778, 1898, 1920, 2810, 2811,  
 2812, 2813, 2814, 2815, 2816,  
 2817, 2818, 2819, 2822, 2830,  
 2838, 2846, 2854, 2862, 2870,  
 2878, 3748, 3749, 3750, 3751,  
 3752, 3753, 3754, 3755, 3756,  
 3757, 3758, 3759, 3760, 3761,  
 3762, 3763, 3764, 3765, 3766  
[\if@RTL@footnote](#) . . . . 1308, 1479  
[\if@RTLmain](#) . . . . . 3409  
[\if@RTLtab](#) 1939, 1940, 1941, 1942,  
 1962, 1963, 1964, 1965, 1996,  
 1997, 1998, 1999, 2040, 2041,  
 2042, 2043, 2085, 2086, 2087,  
 2088  
[\if@temp](#) 2322, 3610, 3626, 3641,  
 3657, 3673, 3682, 3691, 3700  
[\if@twoside](#) . . . . . 2665  
[\if@xepersian@computeautoilg](#)  
 . . . . . 3411, 4397  
[\ifadl@usingarypkg](#) . . . . . 1984  
[\ifBR@verbose](#) . . . . . 66  
[\ifcase](#) 2022, 2053, 2057, 2061, 2065,  
 2204, 2234, 2327, 3769, 3778,  
 3806, 3869, 3875, 3878, 3881,  
 3885, 3907, 3974, 3979, 3986,  
 4018, 4022, 4026, 4030, 4101,  
 4112, 4120, 4128, 4136, 4143,  
 4151, 4158, 4165, 4171, 4183,



4189, 4195, 4199, 4203, 4209,  
 4222, 4234, 4246, 4288, 4295,  
 4302, 4309, 4324, 4334, 5942  
 \ifdim . 188, 2924, 2930, 2936, 3420,  
 3421, 3425, 3426, 3431, 3432,  
 3436, 3437, 3446, 3462, 3463,  
 3464, 3470, 3477, 3478, 3484,  
 4403, 4407, 4730, 5215  
 \iffontchar . . . . . 3419, 5429  
 \ifhmode . . . . . 1821  
 \ifinner . . . . . 1827  
 \IfLTXAtLeastTF . 2638, 2694, 2746  
 \ifmmode . . . . . 1909, 5294, 5318  
 \ifNAT@full . . . . . 2202, 2291  
 \ifNAT@longnames . . . . 2198, 2287  
 \ifNAT@numbers . . . . . 2151, 2358  
 \ifNAT@super . . . . . 2152  
 \ifNAT@swa . 2204, 2269, 2293, 2345  
 \ifnum . 189, 1868, 1935, 1936, 1952,  
 1953, 1954, 1955, 1957, 1986,  
 1987, 1988, 1989, 1991, 2036,  
 2037, 2075, 2076, 2077, 2078,  
 2080, 2516, 2792, 2963, 3444,  
 3796, 3798, 3807, 3808, 3809,  
 3810, 3811, 3812, 3813, 3814,  
 3831, 3833, 3835, 3837, 3839,  
 3844, 3855, 3856, 3858, 3860,  
 3861, 3864, 3897, 3899, 3908,  
 3909, 3910, 3911, 3912, 3913,  
 3914, 3915, 3932, 3934, 3936,  
 3938, 3940, 3945, 3956, 3957,  
 3959, 3961, 3962, 3964, 3969,  
 3996, 3998, 4000, 4002, 4004,  
 4006, 4020, 4024, 4028, 4031,  
 5127, 5201, 5247, 5272, 5295,  
 5319, 5820, 5824, 5852, 5858,  
 5879, 5906, 5910, 5915, 5919,  
 5921, 5930  
 \ifodd . . . . . 1838, 1844, 5813, 5818  
 \ifRtoL . . . . . 86  
 \Ifstr . . . . . 2615, 2670, 2722  
 \ifthenelse 4470, 4482, 4491, 4595,  
 4610, 4629, 4650, 4768, 4846,  
 4847, 4877, 4909, 4923, 4943,  
 4961, 4985, 5015, 5039, 5066,  
 5095, 5100, 5105, 5110, 5115,  
 5148, 5153, 5158, 5163, 5168,  
 5699  
 \ifvoid . . . . . 3368, 3378  
 \ifwritexviii . . 2962, 4211, 4223,  
 4235  
 \ifx . . 1209, 1210, 1211, 1212, 1213,  
 1214, 1215, 1216, 1217, 1218,  
 1219, 1606, 1814, 1817, 1901,  
 2121, 2131, 2208, 2209, 2211,  
 2238, 2239, 2241, 2310, 2328,  
 2388, 2437, 2476, 2643, 2645,  
 2646, 2647, 2648, 2649, 2650,  
 2651, 2652, 2653, 2654, 2655,  
 2656, 2657, 2658, 2659, 2699,  
 2701, 2702, 2703, 2704, 2705,  
 2706, 2707, 2708, 2709, 2710,  
 2711, 2712, 2713, 2714, 2715,  
 2751, 2753, 2754, 2755, 2756,  
 2757, 2758, 2759, 2760, 2761,  
 2762, 2763, 2764, 2765, 2766,  
 2767, 2945, 2953, 3062, 3063,  
 5292, 5316, 5545, 5546, 5547,  
 5548, 5549, 5550, 5551, 5552,  
 5553, 5554, 5555, 5556, 5571,  
 5580, 5581, 5582, 5584, 5585,  
 5586, 5592, 5593, 5594, 5596,  
 5597, 5598  
 \ifXePersian@kabiseh . 5781, 5886  
 \ifXePersian@leap . . . 5781, 5830  
 \IfxepersianPackageVersion 2935  
 \IfxepersianPackageVersionBefore  
 . . . . . 2929  
 \IfxepersianPackageVersionLater  
 . . . . . 2923  
 \ifxetex . . . . . 4723, 4946, 4963  
 \ignorespaces 192, 2126, 2136, 3005,  
 3029, 3071, 3078, 3183, 3207,  
 3231, 3255, 3279, 3303, 4541,  
 4594, 4604, 4609, 4617, 4622,  
 4628, 4636, 4896, 4922, 5071  
 \image . . . . . 4718  
 \immediate 3402, 4214, 4215, 4226,  
 4227, 4238, 4239  
 \includegraphics 4733, 4947, 4964  
 \indexEntryFormat . . . 4539, 4541  
 \indexEntryPageFormat 4545, 4547  
 \indexEntryPageTxt . . 4544, 4547  
 \indexEntrySeparator . 4543, 5071  
 \indexFormat . . . . . 4535, 4537  
 \indexitem . 5064, 5074, 5075, 5077  
 \indexname . . . . . 3754  
 \init@restore@version 5301, 5349  
 \innerAuthorFormat . . 4667, 5184  
 \innerPlaceFormat . . . 4668, 5184



`\innerSubtitleFormat` . 4657, 4658  
`\innerTextFinalMark` . . 4669, 5205  
`\innerTitleFormat` 4646, 4651, 4652  
`\input` 1690, 1691, 1692, 1693, 1694,  
1695, 1696, 4049, 4050, 4051,  
4052, 4053, 4054, 4055, 4056,  
4057, 4058, 4059, 4060, 4061,  
4062, 4063, 4064, 4065, 4066,  
4067, 4068, 4069, 4070, 4071,  
4072, 4073, 4074, 4075, 4076,  
4077, 4078, 4079, 4080, 4081,  
4082, 4083, 4084, 4085, 4086,  
4087, 4088, 4089, 4090, 4091,  
4092, 4093, 4094, 4095, 4196,  
4200, 4358, 4359  
`\insert@column` . 2024, 2025, 2026,  
2027, 2029, 2030  
`\int` . . 5374, 5377, 5385, 5393, 5401,  
5409, 5616, 5629  
`\intermath@penalty` . . . . . 191  
`\intextsep` . . . . . 3711  
`\iranicdefault` . 3151, 3163, 3308,  
3316  
`\iranicfamily` . . 3161, 3162, 3175,  
3309  
`\item` . . . . . 5725, 5726, 5727, 5728  
`\itemautorefname` . . . . . 1506  
`\itemsep` . . 3609, 3625, 3640, 3656,  
3672  
`\itshape` . . . . . 4039, 5737  
  

### J

`\jobname` . . 4215, 4216, 4227, 4228,  
4239, 4240  
  

### K

`\KashidaOff` . . . . . 1631  
`\KashidaOn` . . . . . 1630, 1633  
`\kern` . . . . . 2156, 3369, 3379, 3746  
`\keys` . . . . . 2972, 2979, 2987, 2994  
`\keyval@eq@alias@key` . 1682, 1686  
`\KOMAClassName` . 2616, 2639, 2671,  
2695, 2723, 2747  
`\KV@sp@def` . . . . . 4100  
  

### L

`\l` 2974, 2975, 2976, 2983, 2989, 2990,  
2991, 2998, 3009, 3010, 3014,  
3033, 3038, 3082, 3086, 3187,  
3188, 3192, 3211, 3212, 3216,  
3235, 3236, 3240, 3259, 3260,  
3264, 3283, 3284, 3288, 3307,  
3308, 3312, 5432, 5439, 5443,  
5444, 5451, 5452, 5459, 5460  
`\label` . . . . . 5200, 5246, 5270  
`\labelsep` . 3653, 3668, 3681, 3690,  
3699  
`\labelwidth` 3653, 3668, 3681, 3690,  
3699  
`\LARGE` 3579, 3580, 4519, 4606, 4670,  
4673, 4686, 4688  
`\Large` 3573, 3574, 4518, 4625, 4675,  
4802, 5085, 5119  
`\large` 3567, 3568, 4517, 4529, 4535,  
4615, 4634, 4657, 4677, 4690,  
4696, 4808  
`\lastbox` . . . . . 3367, 3377  
`\LastFrameCommand` . . . . . 1493  
`\lastpenalty` . . . . . 189  
`\lastskip` . . . . . 188  
`\latin` . . . . . 3363, 3365  
`\LatinAlphs` . . . . . 3363, 3383, 4035  
`\Latincite` . . . . . 2354, 3395  
`\latinfont` . 3083, 3339, 3341, 4259  
`\latintoday` . . . . . 3386  
`\lccode` . . . . 2373, 2374, 2375, 2514  
`\leaders` . . . . . 1588  
`\leavevmode` . . 157, 158, 1895, 1917,  
2144, 3397, 3745  
`\leftfootnoterule` . . . . . 4174  
`\leftmargin` 3606, 3622, 3637, 3652,  
3653, 3667, 3668, 3680, 3681,  
3689, 3690, 3698, 3699  
`\leftmargini` . . . . 3606, 3622, 3637  
`\leftmarginii` . . . . . 3652  
`\leftmarginiii` . . . . . 3667  
`\leftmarginiv` . . . . . 3680  
`\leftmarginv` . . . . . 3689  
`\leftmarginvi` . . . . . 3698  
`\let` . . . 11, 19, 73, 74, 168, 170, 173,  
174, 175, 181, 186, 1217, 1218,  
1219, 1220, 1521, 1531, 1532,  
1537, 1552, 1606, 1608, 1888,  
1889, 1890, 1891, 1892, 1893,  
1912, 1929, 1930, 1931, 1932,  
2001, 2002, 2003, 2045, 2046,  
2047, 2115, 2118, 2119, 2128,  
2129, 2148, 2152, 2154, 2155,  
2158, 2159, 2160, 2161, 2163,  
2164, 2165, 2166, 2171, 2172,





2173, 2174, 2175, 2176, 2177,  
 2187, 2196, 2199, 2202, 2203,  
 2276, 2285, 2288, 2291, 2292,  
 2300, 2355, 2380, 2391, 2398,  
 2404, 2408, 2409, 2424, 2426,  
 2446, 2455, 2473, 2475, 2643,  
 2699, 2751, 2772, 2791, 3062,  
 3063, 3326, 3327, 3339, 3340,  
 3344, 3345, 3348, 3349, 3350,  
 3351, 3353, 3354, 3358, 3359,  
 3385, 3398, 3517, 3534, 3551,  
 3612, 3777, 3782, 3789, 3895,  
 4015, 4033, 4034, 4036, 4037,  
 4248, 4249, 4253, 4254, 4291,  
 4318, 4319, 4680, 4681, 4682,  
 4702, 4703, 4704, 4705, 4706,  
 4707, 4708, 4709, 4710, 4711,  
 5290, 5306, 5332, 5479, 5605,  
 5609, 5654, 5743, 5744, 5745,  
 5746, 5750, 5751, 5752, 5753,  
 5765, 5766, 5939, 5940, 5941  
 \lineskip ..... 4691  
 \linespread ..... 3449  
 \linewidth . 5691, 5695, 5710, 5770  
 \listalgorithmname ..... 7  
 \listfigurename ..... 3751  
 \listtablename ..... 3752  
 \LoadClass ..... 4463  
 \logo ..... 4796, 4825  
 \long ..... 1894, 2515  
 \longdate ..... 5180  
 \loop ..... 3418, 5907, 5916  
 \lower ..... 3745  
 \lowercase ..... 2376, 2515  
 \lr 1531, 2187, 2276, 3361, 3386, 3399,  
 4523, 4578, 4970  
 \LRE ..... 3361  
 \lstlistingname ..... 1635  
 \lstlistlistingname ..... 1636  
 \LTR ..... 3363  
 \LTRfoottextfont ..... 1309  
 \ltx@ifundefined 1523, 1535, 1539

## M

\m@ne ..... 2304, 5297, 5321  
 \m@th ..... 1914  
 \makeform ..... 5747, 5754  
 \makeform@correction . 5662, 5754  
 \makeform@nocorrection .. 5659,  
 5747

\MakeFramed ..... 1495  
 \MakeLowercase . 1390, 1397, 1404,  
 1411, 1418, 1425, 1432, 1439,  
 1446, 1453, 1460, 1467, 1474  
 \makemask ..... 5748, 5755  
 \makemask@correction . 5667, 5755  
 \makemask@nocorrection .. 5664,  
 5748  
 \maketitle ..... 4679, 4703  
 \MakeUppercase ..... 4645  
 \makezwnjletter ..... 1677, 1678  
 \math@bgroup ..... 5292, 5316  
 \math@fonts ..... 5299, 5323  
 \math@version .. 5295, 5298, 5303,  
 5304, 5308, 5319, 5322, 5326,  
 5328, 5330, 5334  
 \mathalpha 5489, 5490, 5491, 5492,  
 5493, 5494, 5495, 5496, 5497,  
 5498, 5617, 5630  
 \mathbf ..... 5369, 5501, 5621, 5634  
 \mathbin ..... 5499, 5619, 5632  
 \mathchar@type .. 5356, 5365, 5367  
 \mathchardef ..... 5539  
 \mathcode . 5378, 5386, 5394, 5402,  
 5410, 5570  
 \MathDecimalSeparator 5543, 5571,  
 5613, 5620, 5633  
 \mathgroup ..... 5289  
 \mathiranic ..... 3162  
 \mathit ..... 5370, 5502, 5622, 5635  
 \mathnavar ..... 3165  
 \mathord ..... 5500  
 \mathpersiansf ..... 3156  
 \mathpersiantt ..... 3159  
 \mathpook ..... 3168  
 \mathrm ..... 5371, 5503, 5623, 5636  
 \mathsayeh ..... 3171  
 \mathsf ..... 5372, 5518, 5624, 5637  
 \mathsurround ..... 185  
 \mathtt ..... 5373, 5533, 5625, 5638  
 \mbox ..... 2158  
 \meaning ..... 2948, 2951  
 \MessageBreak .. 2213, 2214, 2243,  
 2244, 2618, 2620, 2621, 2622,  
 2623, 2624, 2625, 2626, 2627,  
 2628, 2629, 2673, 2675, 2676,  
 2677, 2678, 2679, 2680, 2681,  
 2682, 2683, 2684, 2725, 2727,  
 2728, 2729, 2730, 2731, 2732,  
 2733, 2734, 2735, 2736, 4046,



4868, 4900, 4934, 4954, 4975,  
 4978, 5000, 5025, 5051, 5074,  
 5077, 5703  
 \MidFrameCommand ..... 1491  
 \minilogo ..... 4807, 5021  
 \minraggedcols . 4446, 4447, 4485,  
 4489, 5127, 5201, 5247, 5272  
 \mlfttitle ..... 1774  
 \mltttitle ..... 1775  
 \month ..... 5807  
 \msg ..... 5416, 5418  
 \mtctitle ..... 1773  
 \multido ..... 4769, 4775  
 \multiply . 1874, 5810, 5823, 5850,  
 5856, 5873, 5877  
 \mylogo ..... 4812  
  
 N  
 \NAT@@close ..... 2270, 2349  
 \NAT@@Latin@@citetp . 2357, 2361,  
 2362, 2363  
 \NAT@@open ..... 2253, 2329  
 \NAT@alias . 2231, 2261, 2296, 2339  
 \NAT@all@names . 2199, 2202, 2288,  
 2291  
 \NAT@aysep ..... 2223  
 \NAT@biblabel ..... 2174  
 \NAT@biblabelnum ..... 2165  
 \NAT@bibsetnum ..... 2166  
 \NAT@bibsetup ..... 2175  
 \NAT@cite ..... 2171  
 \NAT@cite@list ..... 2188, 2277  
 \NAT@citea@mbbox ..... 2322  
 \NAT@citenum ..... 2159  
 \NAT@citesuper ..... 2152  
 \NAT@citeundefined .. 2193, 2283  
 \NAT@citex ..... 2172  
 \NAT@citexnum ..... 2163  
 \NAT@close ..... 2167, 2178  
 \NAT@cmprs ..... 2298, 2344  
 \NAT@cmt ..... 2269, 2347  
 \NAT@cotype 2204, 2234, 2294, 2296,  
 2327, 2335, 2337, 2346, 2355  
 \NAT@date . 2178, 2195, 2205, 2206,  
 2217, 2225, 2230, 2235, 2248,  
 2255, 2260, 2263, 2270  
 \NAT@def@citea .. 2232, 2264, 2325  
 \NAT@def@citea@box ..... 2333  
 \NAT@def@citea@close ..... 2266  
 \NAT@exlab . 2211, 2215, 2241, 2245  
  
 \NAT@fullfalse ..... 2356  
 \NAT@fulltrue ..... 2356  
 \NAT@hyper@ 2206, 2215, 2217, 2220,  
 2229, 2230, 2231, 2236, 2245,  
 2248, 2251, 2259, 2260, 2261,  
 2296, 2332  
 \NAT@hyper@citea@space .. 2335,  
 2337, 2339  
 \NAT@idxtxt ..... 2167, 2178  
 \NAT@ifcat@num ..... 2299, 2302  
 \NAT@last@nm 2196, 2208, 2238, 2285,  
 2328  
 \NAT@last@num .. 2285, 2302, 2303,  
 2321  
 \NAT@last@yr 2196, 2209, 2239, 2276,  
 2310, 2344  
 \NAT@last@yr@mbbox ... 2306, 2316  
 \NAT@Latin@cites .... 2356, 2357  
 \NAT@Latin@citex 2173, 2181, 2182  
 \NAT@Latin@citexnum . 2164, 2271,  
 2272  
 \NAT@mbbox . 2153, 2158, 2329, 2332,  
 2349  
 \NAT@merge ..... 2306, 2321  
 \NAT@name . 2167, 2178, 2199, 2203,  
 2288, 2292  
 \NAT@nm 2187, 2196, 2202, 2203, 2206,  
 2208, 2221, 2229, 2236, 2238,  
 2252, 2259, 2276, 2285, 2291,  
 2292, 2300, 2301, 2305, 2309,  
 2328  
 \NAT@nmfmt 2206, 2221, 2229, 2236,  
 2252, 2259  
 \NAT@num .. 2167, 2276, 2285, 2299,  
 2300, 2321, 2332  
 \NAT@open ..... 2167, 2178  
 \NAT@parse ..... 2197, 2286  
 \NAT@partrue ..... 2355  
 \NAT@penalty 2169, 2177, 2313, 2328  
 \NAT@reset@citea .... 2186, 2275  
 \NAT@reset@parser ... 2184, 2273  
 \NAT@set@cites ..... 2150, 2353  
 \NAT@sort@cites ..... 2185, 2274  
 \NAT@space . 2155, 2160, 2176, 2328  
 \NAT@spacechar . 2160, 2167, 2176,  
 2178, 2216, 2223, 2247, 2253,  
 2329, 2331  
 \NAT@super@kern . 2156, 2161, 2329  
 \NAT@swafalse ..... 2359  
 \NAT@swatruw ..... 2355



`\NAT@temp` . . 2210, 2211, 2240, 2241  
`\NAT@test` . . 2296, 2329, 2335, 2337  
`\NAT@year` . . 2187, 2196, 2209, 2239  
`\NAT@yrsep` . . . . . 2208, 2238, 2328  
`\natexlab` . . . . . 2168, 2179  
`\navardefault` . . 3152, 3166, 3236,  
3244  
`\navarfamily` 3164, 3165, 3176, 3237  
`\NeedsTeXFormat` 2884, 4417, 5286,  
5641, 5778  
`\new@mathalphabet` . . . . . 5352  
`\new@mathbf` . . . . . 5375, 5501, 5634  
`\new@mathgroup` . . 5289, 5290, 5345  
`\new@mathit` . . . . . 5383, 5502, 5635  
`\new@mathrm` . . . . . 5391, 5503, 5636  
`\new@mathsf` . . . . . 5399, 5518, 5637  
`\new@mathtt` . . . . . 5407, 5533, 5638  
`\new@mathversion` . . . . . 5350  
`\new@symbolfont` . . . . . 5351  
`\newboolean` 4428, 4430, 4432, 4434,  
4436, 4438, 4440  
`\newcolumntype` . . . . . 5655, 5656  
`\newcommand` . . 85, 1630, 1631, 1677,  
1679, 1680, 1682, 1686, 2181,  
2271, 2357, 2362, 2798, 2921,  
2923, 2929, 2935, 3062, 3063,  
3149, 3150, 3151, 3152, 3153,  
3154, 3416, 3456, 3457, 3461,  
3493, 3733, 3738, 3783, 3786,  
3889, 3892, 4371, 4425, 4480,  
4524, 4525, 4528, 4529, 4530,  
4535, 4536, 4539, 4540, 4543,  
4544, 4545, 4546, 4549, 4550,  
4554, 4555, 4558, 4559, 4560,  
4561, 4564, 4567, 4572, 4577,  
4580, 4582, 4585, 4590, 4591,  
4602, 4603, 4606, 4607, 4615,  
4616, 4619, 4620, 4625, 4626,  
4634, 4635, 4637, 4638, 4639,  
4640, 4643, 4644, 4646, 4647,  
4657, 4658, 4659, 4660, 4661,  
4662, 4667, 4668, 4669, 4670,  
4671, 4672, 4673, 4674, 4675,  
4676, 4677, 4678, 4713, 4718,  
4750, 4782, 4796, 4807, 4812,  
4820, 4844, 4875, 4907, 4941,  
4960, 5064, 5082, 5089, 5131,  
5139, 5182, 5188, 5208, 5225,  
5254, 5279, 5363, 5364, 5366,  
5651, 5653, 5659, 5662, 5664,  
5667, 5671, 5673, 5675, 5723,  
5724, 5729, 5733, 5738, 5757,  
5759, 5935  
`\newcount` . 3412, 4442, 4443, 4446,  
4748, 4749, 5782, 5783, 5784,  
5785, 5786, 5787, 5788, 5789,  
5790, 5791, 5792, 5793, 5794,  
5795, 5797, 5798, 5799, 5800,  
5801, 5802, 5803, 5804  
`\newcounter` . . . . . 5676, 5677  
`\newdimen` . . 3413, 3414, 4746, 4747  
`\NewDocumentCommand` . 3104, 3128,  
5375, 5383, 5391, 5399, 5407,  
5615, 5628  
`\newenvironment` 1680, 2367, 2368,  
3365, 3375, 3383, 3384, 4715,  
4821, 4983, 5013, 5037, 5191,  
5240, 5266, 5705, 5739  
`\newfam` . . . . . 5290  
`\newfontface` . . . . . 2773  
`\newfontlanguage` . . . . . 2969  
`\newfontscript` . . . . . 2968  
`\newif` . 1582, 2962, 3411, 3454, 5781  
`\newlength` 4420, 4421, 4422, 4423,  
4424, 4426, 5669, 5760, 5762  
`\newmathalphabet` . . . . . 5346  
`\newmathalphabet@` . . . . . 5346  
`\newmathalphabet@@` . . . . . 5346  
`\newpage` . . . 4213, 4225, 4237, 4831  
`\newsavebox` . . . . . 4714  
`\newsection` . . . . . 5188  
`\next` . 1606, 1608, 1609, 2380, 2381,  
2382, 2386, 2388, 2391, 2395,  
2396, 2398, 2404, 2409, 2413,  
2415, 2424, 2426, 2432, 2435,  
2439, 2446, 2448  
`\nobreak` . . . . . 1587, 2153  
`\noexpand` . 2379, 2399, 2405, 2407,  
2417, 2425, 2427, 2439, 2440,  
2449, 3511, 3517, 3528, 3534,  
3545, 3551, 3556, 3562, 3568,  
3574, 3580, 3586, 3592, 3610,  
3626, 3641, 3657, 3673, 3682,  
3691, 3700, 5302  
`\nohyphens` . 4596, 4611, 4630, 4651  
`\noindent` . 4541, 4556, 4594, 4604,  
4609, 4617, 4622, 4628, 4636,  
4641, 4645, 4649, 4798, 4815,  
4896, 4922, 4947, 4994, 5071,  
5085, 5119, 5134, 5172, 5229,



5257, 5282, 5284  
`\non@alpherr` . . . . . 5311, 5337  
`\nopagebreak` . . . . . 5771  
`\normalcolor` . . . . 1882, 2123, 2133  
`\normalfont` 3021, 3093, 3199, 3223,  
3247, 3271, 3295, 3319, 3339,  
3340, 3353, 3354  
`\normalsize` 3391, 3510, 3511, 3595,  
4492, 4493, 4539, 5134, 5172  
`\not` . . . . . 5683  
`\not@math@alphabet` . 3156, 3159,  
3162, 3165, 3168, 3171  
`\null` . . . . . 4683, 4699  
`\number` 3796, 3798, 3799, 3897, 3899,  
3900, 4000, 4002, 4004, 4006,  
5303, 5327, 5936, 5937  
`\numexpr` . . 5378, 5386, 5394, 5402,  
5410

## O

`\obeyspaces` . . . . . 5542  
`\old@endquestion` . . . . 5766, 5774  
`\old@question` . . . . . 5765, 5772  
`\or` 2024, 2025, 2026, 2028, 2029, 2053,  
2054, 2055, 2059, 2060, 2061,  
2062, 2063, 2067, 2068, 2229,  
2230, 2231, 2259, 2260, 2261,  
2334, 2336, 2338, 3769, 3770,  
3771, 3772, 3773, 3774, 3778,  
3779, 3780, 3817, 3818, 3819,  
3820, 3821, 3822, 3823, 3824,  
3825, 3826, 3830, 3869, 3870,  
3871, 3872, 3875, 3878, 3881,  
3882, 3885, 3886, 3887, 3918,  
3919, 3920, 3921, 3922, 3923,  
3924, 3925, 3926, 3927, 3931,  
3974, 3975, 3976, 3979, 3980,  
3981, 3982, 3983, 3986, 3987,  
3988, 3989, 4018, 4019, 4022,  
4023, 4026, 4027, 4030, 4104,  
4114, 4116, 4122, 4124, 4130,  
4132, 4138, 4145, 4153, 4160,  
4167, 4173, 4175, 4177, 4179,  
4185, 4191, 4205, 4251, 4290,  
4297, 4304, 4317, 4329, 4336,  
5942, 5943, 5944, 5945, 5946,  
5947, 5948  
`\orig` . 5369, 5370, 5371, 5372, 5373,  
5376, 5384, 5392, 5400, 5408,  
5613, 5621, 5622, 5623, 5624,

5625, 5633

`\originaltoday` . . . . . 3385, 3386  
`\Ovalbox` . . . . . 5111, 5164  
`\ovalbox` . . . . . 5106, 5159  
`\overline` . . . . . 5556

## P

`\p@` 2156, 3462, 3463, 3464, 3465, 3467,  
3470, 3471, 3473, 3477, 3478,  
3479, 3481, 3484, 3485, 3496,  
3499, 3661, 4684  
`\PackageError` . . 1649, 1652, 1655,  
1658, 1661, 1664, 1667, 1670,  
1673, 3740, 3791, 4046, 4212,  
4218, 4224, 4230, 4236, 4242  
`\PackageInfo` . . . 67, 79, 3447, 3448,  
4404, 4405, 5363  
`\PackageWarning` 2194, 2283, 3992,  
4210  
`\PackageWarningNoLine` 2211, 2241  
`\page@free` . . . . . 4728, 4730  
`\pageautorefname` . . . . . 1519  
`\pagegoal` . . . . . 5210  
`\pagename` . . . . . 1349, 3764  
`\pagenumbering` . 15, 117, 128, 146,  
1299, 1758, 2666  
`\pageref` . . 2864, 2866, 2872, 2874,  
4569, 5067  
`\pagesFormat` . . . . . 4643, 4645  
`\pagestyle` . . . . . 4786  
`\pagetotal` . . . . . 5211  
`\par` . . . 10, 17, 24, 40, 46, 52, 58, 118,  
129, 136, 148, 806, 1291, 1301,  
1313, 1551, 1762, 2584, 2591,  
2598, 2606, 2633, 2688, 2740,  
4686, 4688, 4694, 4696, 4697,  
5186, 5271, 5711, 5771  
`\paragraphautorefname` . . . . 1515  
`\parallel` . . . . . 4551  
`\parbox` . . . . . 5710, 5770  
`\parindent` . . . . . 3369, 3379  
`\parsep` 3597, 3608, 3609, 3613, 3624,  
3625, 3628, 3639, 3640, 3643,  
3655, 3656, 3670  
`\partautorefname` . . . . . 1509  
`\partname` . . . . . 3757  
`\partopsep` . . . . 3661, 3671, 3720  
`\PassOptionsToClass` . 4448, 4449,  
4450  
`\pbs` . . . . . 5654, 5655



`\pdflastxpos` ..... 1564  
`\pdfsavepos` ..... 1563  
`\pdfstringdefDisableCommands` .  
         ..... 1530  
`\penalty` .... 185, 191, 2169, 3400  
`\persian` ..... 3373, 3375  
`\PersianAlphs` .. 3373, 3384, 4247,  
         4252, 4416  
`\persianday` ..... 5941  
`\persiandecimalseparator` 5500,  
         5571  
`\PersianDisplayMathDigits` 4133,  
         5583, 5589  
`\persianfont` .... 3011, 3353, 3355  
`\PersianInlineMathDigits` 4125,  
         5579, 5588  
`\PersianMathDigits` .. 4117, 5587  
`\persianmathdigits` . 5488, 5580,  
         5584, 5592, 5596  
`\persianmathsfdigits` 5518, 5581,  
         5585, 5593, 5597  
`\persianmathttdigits` 5533, 5582,  
         5586, 5594, 5598  
`\persianmonth` ..... 5940  
`\persiansfdefault` .. 3149, 3157,  
         3188, 3196  
`\persiansffamily` 3155, 3156, 3173,  
         3189  
`\persiantoday` ..... 3387, 5935  
`\persianttdefault` .. 3150, 3160,  
         3212, 3220  
`\persianttfamily` 3158, 3159, 3174,  
         3213  
`\persianyear` ..... 5939  
`\pictureCaptionFormat` 4639, 4641  
`\plftitle` ..... 1771  
`\plq` ..... 2942  
`\plttitle` ..... 1772  
`\pookdefault` 3153, 3169, 3260, 3268  
`\pookfamily` . 3167, 3168, 3177, 3261  
`\postmath` ..... 191  
`\PrefixCurrentTab` ..... 2798  
`\premath` ..... 187  
`\prepnext@tok` ..... 2021, 2031  
`\prg` ..... 5430, 5433, 5435  
`\printindex` .... 4213, 4225, 4237  
`\process@table` ..... 5349  
`\ProcessOptions` ..... 4462, 5777  
`\ProcessOptionsX` ..... 4355  
`\proofname` ..... 3766  
`\protect` .. 4868, 4869, 4871, 4900,  
         4901, 4903, 4934, 4935, 4937,  
         4954, 4955, 4957, 4975, 4976,  
         4978, 5074, 5075, 5077, 5660,  
         5663, 5665, 5668, 5686, 5691,  
         5692, 5693, 5695, 5696, 5697,  
         5717, 5718  
`\protected@write` .... 4311, 4315  
`\providecommand` ..... 3991  
`\ProvidesClass` ..... 4418  
`\ProvidesFile` .....  
         . 1, 4, 8, 14, 23, 38, 44, 50, 56,  
         62, 82, 84, 101, 110, 112, 123,  
         134, 142, 154, 194, 1147, 1207,  
         1224, 1235, 1278, 1289, 1295,  
         1307, 1311, 1318, 1477, 1485,  
         1499, 1503, 1548, 1555, 1634,  
         1637, 1676, 1756, 1769, 1779,  
         2149, 2512, 2582, 2589, 2596,  
         2604, 2612, 2663, 2719, 2771,  
         2789, 2809, 2820  
`\ProvidesPackage` 2887, 5287, 5642,  
         5779  
`\ProvideTranslation` 85, 89, 90, 91,  
         92, 93, 94, 95, 96, 97, 98  
`\providetranslation` ..... 86  
`\prq` ..... 2941  
`\ptctitle` ..... 1770

## Q

`\quad` ..... 3727  
`\question` ..... 5765  
`\questionsepspace` 5762, 5763, 5775  
`\questionspace` .. 5669, 5670, 5711  
`\questiontitle` ..... 5757, 5776  
`\questiontitlefont` ..... 5759  
`\questiontitlespace` . 5760, 5761,  
         5771

## R

`\raggedFormat` .. 4480, 5128, 5202,  
         5248, 5273  
`\RaggedLeft` ..... 4480  
`\raisebox` ..... 4526, 4531  
`\redeflatinfont` ..... 3130  
`\redefpersianfont` ..... 3106  
`\ref` ..... 2879, 2881  
`\refname` ..... 111, 3755  
`\refstepcounter` ..... 5727, 5728  
`\reftextafter` ..... 2837



<code>\reftextbefore</code> . . . . .	2845	1379, 1386, 1393, 1400, 1407,
<code>\reftextcurrent</code> . . . . .	2853	1414, 1421, 1428, 1435, 1442,
<code>\reftextfaceafter</code> . . . . .	2821	1449, 1456, 1463, 1470, 1479,
<code>\reftextfacebefore</code> . . . . .	2829	1481, 1483, 1550, 1757, 1759,
<code>\reftextfaraway</code> . . . . .	2861	1760, 1761, 1762, 2150, 2167,
<code>\reftextlabelrange</code> . . . . .	2877	2178, 2583, 2584, 2590, 2591,
<code>\reftextpagerange</code> . . . . .	2869	2597, 2598, 2605, 2606, 2613,
<code>\reftextvario</code> . . . . .	2824, 2826, 2832,	2614, 2642, 2664, 2668, 2669,
	2834, 2840, 2842, 2848, 2850,	2698, 2720, 2721, 2750, 2790,
	2856, 2858	2810, 2811, 2812, 2813, 2814,
<code>\relax</code> . . . . .	1597, 1677, 1869, 1901, 2036,	2815, 2816, 2817, 2818, 2819,
	2037, 2058, 2059, 2060, 2121,	3409, 3723, 3729, 4040, 4213,
	2131, 2155, 2161, 2205, 2235,	4225, 4237, 4492, 4499, 4501,
	2263, 2270, 2276, 2303, 2310,	4503, 4510, 4517, 4518, 4519,
	2321, 2476, 2643, 2699, 2751,	4520, 4521, 4573, 4574, 4575,
	2792, 2945, 2963, 3330, 3331,	4586, 4587, 4588, 4679, 4784,
	3335, 3336, 3449, 3494, 3498,	4820, 4840, 5179, 5189, 5194,
	3681, 3690, 3699, 4101, 4112,	5658
	4120, 4128, 4136, 4143, 4151,	<code>\RenewDocumentCommand</code> 3109, 3133
	4158, 4165, 4171, 4183, 4189,	<code>\renewenvironment</code> . . . 1486, 5767
	4195, 4199, 4203, 4209, 4222,	<code>\repeat</code> . . . . . 3444, 5910, 5919
	4234, 4246, 4288, 4295, 4302,	<code>\RequirePackage</code> 2889, 2890, 2891,
	4309, 4318, 4319, 4324, 4330,	2892, 4419, 4464, 4465, 4466,
	4334, 4363, 4367, 4373, 4374,	4467, 4468, 4469, 4471, 4473,
	4375, 4399, 4401, 4462, 4681,	4475, 4476, 4477, 4478, 4479,
	4702, 4703, 4708, 4709, 4710,	5644, 5645, 5646, 5647, 5648,
	4711, 5292, 5306, 5316, 5332,	5649
	5365, 5367, 5378, 5386, 5394,	<code>\reserved@a</code> 1833, 1837, 1843, 1849,
	5402, 5410, 5479, 5570, 5605,	1852, 1855, 1858, 1861, 1864,
	5609, 5809, 5810, 5812, 5817,	1867
	5822, 5823, 5829, 5831, 5833,	<code>\reserved@b</code> . . . . . 1813, 1814
	5835, 5836, 5837, 5838, 5839,	<code>\reset@font</code> 2193, 2282, 3340, 3354,
	5840, 5841, 5842, 5843, 5844,	3389, 3403
	5845, 5847, 5849, 5850, 5855,	<code>\resetlatinfont</code> . . 103, 105, 1308,
	5856, 5863, 5865, 5868, 5872,	1309, 1479, 1481, 2781, 3325,
	5873, 5876, 5877, 5880, 5885,	3361, 3363, 3383, 3390, 3409,
	5887, 5889, 5891, 5892, 5893,	4042
	5894, 5895, 5896, 5897, 5898,	<code>\restore@mathversion</code> . . . . . 5349
	5899, 5900, 5901, 5902, 5904,	<code>\restoreapp</code> . . . . . 36
	5905, 5908, 5913, 5917, 5923,	<code>\rightfootnoterule</code> . . . . . 4176
	5925, 5926	<code>\rightline</code> . . . . . 5183
<code>\renewcommand</code> . . . . .	9, 16,	<code>\rl</code> . . . . . 1532, 3362, 3387
	24, 30, 31, 34, 39, 40, 45, 46,	<code>\RLE</code> . . . . . 3362
	51, 52, 57, 58, 105, 107, 113,	<code>\rmdefault</code> . . . . . 3010, 3018, 3090
	114, 118, 124, 125, 129, 135,	<code>\Roman</code> . . . . . 1215, 2650, 2706, 2758
	136, 143, 147, 148, 1290, 1291,	<code>\roman</code> . . . . . 1214, 2651, 2707, 2759
	1296, 1300, 1301, 1308, 1309,	<code>\romannumeral</code> . . . 2659, 2715, 2767,
	1310, 1312, 1313, 1319, 1320,	5909, 5918, 5928
	1327, 1334, 1335, 1342, 1349,	<code>\RTL</code> . . . . . 3373
	1350, 1357, 1364, 1365, 1372,	<code>\RTLfoottextfont</code> . . . . . 1310



`\rule` . 4543, 4669, 4771, 4777, 4864, 4896  
**S**  
`\sayehdefault` .. 3154, 3172, 3284, 3292  
`\sayehfamily` 3170, 3171, 3178, 3285  
`\scan` ..... 5432  
`\scriptsize` ..... 3555, 3556, 4501  
`\secondarticle` . 4875, 4900, 4901, 4903  
`\secondSubtitleFormat` 4615, 4617  
`\secondTextFormat` ... 4619, 4622  
`\secondTitleFormat` . 4606, 4611, 4612  
`\section` ..... 3741  
`\sectionautorefname` ..... 1512  
`\sectionname` ..... 11, 1552  
`\select@group` ..... 5291  
`\selectfont` 3015, 3040, 3063, 3087, 3120, 3144, 3157, 3160, 3163, 3166, 3169, 3172, 3193, 3217, 3241, 3265, 3289, 3313, 3343, 3357, 3450  
`\set@mathdelimiter` ..... 5356  
`\set@fontsize` ... 4362, 4366, 4398  
`\set@mathaccent` ..... 5353  
`\set@mathchar` ..... 5353  
`\set@mathdelimiter` ..... 5355  
`\set@mathsymbol` ..... 5354  
`\setboolean` 2799, 2800, 4429, 4431, 4433, 4435, 4437, 4439, 4441, 4457, 4458, 4460, 4461, 4823, 4841, 4986, 5011, 5040, 5062  
`\setbox` 169, 1880, 1923, 2027, 2029, 2030, 2120, 2123, 2130, 2133, 2782, 2786, 3367, 3377  
`\setclass` . 1602, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619  
`\setcounter` .....  
. 27, 29, 33, 41, 42, 47, 48, 53, 54, 59, 60, 119, 120, 130, 131, 137, 138, 149, 150, 1292, 1293, 1302, 1303, 1314, 1315, 1763, 1764, 2585, 2586, 2592, 2593, 2599, 2600, 2607, 2608, 2634, 2635, 2689, 2690, 2741, 2742, 2793, 2797, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 4701, 5680  
`\setdigitfont` ..... 3067  
`\SetDisplayMathDigits` 5574, 5583, 5595, 5605, 5608  
`\SetEnumerateShortLabel` . 1230, 1231, 1232, 1233, 1234  
`\setfontsize` .... 3493, 4103, 4105  
`\SetInlineMathDigits` 5573, 5579, 5591, 5604, 5609  
`\setiranicfont` ..... 3300  
`\setkeys` ..... 160, 177  
`\setlatinmonofont` ..... 3099  
`\setlatinsansfont` ..... 3098  
`\setlatintextfont` ... 3075, 4415  
`\setlength` 1899, 1902, 1921, 3465, 3467, 3471, 3473, 3479, 3481, 3485, 3487, 3495, 3499, 3501, 3509, 3519, 3520, 3526, 3536, 3537, 3543, 3553, 3554, 3559, 3560, 3565, 3566, 3571, 3572, 3577, 3578, 3583, 3584, 3589, 3590, 3596, 3661, 3703, 3704, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 4427, 4459, 4494, 4495, 4496, 4497, 4505, 4506, 4507, 4508, 4512, 4513, 4514, 4515, 4720, 4724, 4765, 4766, 4783, 4788, 4789, 4913, 4945, 5017, 5042, 5045, 5093, 5094, 5142, 5143, 5209, 5210, 5226, 5670, 5761, 5763  
`\setLTRcitationfont` ..... 103  
`\SetMathAlphabet` ..... 5352  
`\SetMathAlphabet@` ..... 5352  
`\SetMathCharDef` ..... 5366, 5500  
`\SetMathCode` 5364, 5489, 5490, 5491, 5492, 5493, 5494, 5495, 5496, 5497, 5498, 5499, 5617, 5619, 5630, 5632  
`\setmathdigitfont` ..... 5473  
`\setmathsfdigitfont` ..... 5508  
`\setmathtt digitfont` ..... 5523  
`\setmonofont` ..... 3099  
`\setnavarfont` ..... 3228  
`\setpersianfont` . 107, 1310, 1483, 2785, 3347, 3362, 3373, 3384, 3409  
`\setpersianmonofont` ..... 3204  
`\setpersiansansfont` ..... 3180  
`\setpookfont` ..... 3252  
`\setsansfont` ..... 3098





`\setsayehfont` ..... 3276  
`\SetSymbolFont` ..... 5351  
`\SetSymbolFont@` ..... 5351  
`\setttextdigitfont` ..... 3026  
`\setttextfont` ..... 3002, 4047  
`\setthesection` ..... 1759  
`\sf@size` ..... 4385, 4387  
`\sffamily` ..... 4524  
`\shadowbox` ..... 5096, 5149  
`\shadowsize` ..... 5094, 5143, 5147  
`\shortarticleitem` ..... 5279  
`\shortarticleItemTitleFormat` .  
    ..... 4677, 4678  
`\shortarticleSubtitleFormat` ..  
    ..... 4675, 4676  
`\shortarticleTitleFormat` 4673,  
    4674  
`\sixt@on` ..... 1832, 1869  
`\skip` ..... 3705  
`\slftitle` ..... 1777  
`\sltttitle` ..... 1778  
`\small` 3527, 3528, 3742, 4503, 4504,  
    4558, 4562, 4568, 4639, 4661,  
    4680  
`\smash` ..... 3745  
`\SOUL@tt` ... 2772, 2774, 2782, 2786  
`\SOUL@tt@latin` ..... 2772, 2778  
`\SOUL@tt@nonlatin` ... 2773, 2776  
`\SOUL@ttwidth` ..... 2783, 2787  
`\space` 2195, 2284, 2887, 3406, 3998,  
    4727, 4728, 4868, 4869, 4871,  
    4900, 4901, 4903, 4934, 4935,  
    4937, 4954, 4955, 4957, 4975,  
    4976, 4978, 5074, 5075, 5077,  
    5184, 5701, 5936, 5937  
`\SplitFootnoteRule` ..... 4178  
`\ssf@size` ..... 4391, 4393  
`\stctitle` ..... 1776  
`\stepcounter` . 26, 2795, 5676, 5689,  
    5720  
`\str` .. 3018, 3090, 3196, 3220, 3244,  
    3268, 3292, 3316  
`\string` . 67, 1958, 1992, 2081, 2450,  
    2618, 2619, 2622, 2624, 2626,  
    2628, 2629, 2630, 2673, 2674,  
    2677, 2679, 2681, 2683, 2684,  
    2685, 2725, 2726, 2729, 2731,  
    2733, 2735, 2736, 2737, 3402,  
    4312, 4316, 4379, 4381, 4385,  
    4387, 4391, 4393  
`\strip@pt` . 3329, 3334, 3449, 3497,  
    4372  
`\subparagraphautorefname` . 1516  
`\subsectionautorefname` ... 1513  
`\subsubsectionautorefname` 1514  
`\SwitchToDefaultMathDigits` 5615  
`\SwitchToPersianMathDigits` 5628  
`\symnew@mathbf@font@digits` 5378  
`\symnew@mathit@font@digits` 5386  
`\symnew@mathrm@font@digits` 5394  
`\symnew@mathsf@font@digits` 5402  
`\symnew@mathtt@font@digits` 5410  
  

## T

`\tableautorefname` ..... 1508  
`\tablename` ..... 1364, 1381, 3749  
`\tabularxcolumn` ..... 5658  
`\tartibi` .. 1211, 1225, 1230, 2647,  
    2703, 2755, 3889  
`\tartibinumeral` ..... 3895  
`\test` ..... 1605, 1606, 1607  
`\tex` ..... 5429, 5432  
`\textbf` 2, 3, 1488, 1490, 1492, 1494,  
    5085, 5119, 5134, 5172  
`\textblockorigin` ..... 4745  
`\textdegree` ..... 4559  
`\TextDigitFontOff` ..... 3457  
`\TextDigitFontOn` .... 3456, 3459  
`\textfloatsep` ..... 3709, 3713  
`\textheight` ..... 4752, 4777  
`\texttiranica` ..... 3175  
`\textit` ..... 4670  
`\textnavar` ..... 3176  
`\textpersiansf` ..... 3173  
`\textpersiantt` ..... 3174  
`\textpook` ..... 3177  
`\textsayeh` ..... 3178  
`\textsc` ..... 4672  
`\textsf` ..... 3727  
`\textsuperscript` ..... 2153  
`\texttt` ..... 4529  
`\textwidth` 1926, 4751, 4771, 5083,  
    5707  
`\textwidthfootnoterule` ... 4180  
`\tf@size` ..... 4379, 4381  
`\thanks` ..... 4682, 4702  
`\the` 156, 161, 1589, 1591, 1595, 1597,  
    1903, 2401, 2406, 2412, 2419,  
    2429, 2443, 2919, 3420, 3421,  
    3422, 3425, 3426, 3427, 3431,





3432, 3433, 3436, 3437, 3438,  
 3500, 3512, 3513, 3514, 3515,  
 3516, 3529, 3530, 3531, 3532,  
 3533, 3546, 3547, 3548, 3549,  
 3550, 3557, 3563, 3569, 3575,  
 3581, 3587, 3593, 3607, 3608,  
 3623, 3624, 3638, 3639, 3654,  
 3655, 3669, 3671, 4727, 4728,  
 5213, 5604, 5608, 5909, 5918,  
 5928  
 \the@choice ..... 5679, 5701  
 \thebook ..... 1760  
 \thechapter ..... 20, 31,  
 122, 133, 140, 152, 1305, 1317,  
 1759, 1766, 2588, 2595, 2602,  
 2610, 2692, 2744  
 \theclass ..... 1602, 1607  
 \theHchapter ..... 1525, 1542  
 \theHsection ..... 1524, 1540  
 \thempfn ..... 1928  
 \thempfootnote ..... 1928, 4039  
 \theoremautorefname ..... 1518  
 \thepage .. 2195, 2212, 2242, 2284,  
 3406, 4569  
 \thepart ..... 9, 16, 39, 45, 51, 57,  
 113, 124, 135, 147, 1290, 1300,  
 1312, 1550, 1761, 2583, 2590,  
 2597, 2605, 2613, 2668, 2720  
 \thequestion .... 5700, 5740, 5776  
 \thesection .. 12, 34, 43, 49, 55, 61,  
 1294, 1553, 2636  
 \thirdarticle .. 4907, 4934, 4935,  
 4937  
 \thirdSubtitleFormat . 4634, 4636  
 \thirdTextFormat .... 4637, 4638  
 \thirdTitleFormat 4625, 4630, 4631  
 \thispagestyle ..... 4824, 4829  
 \thr@@ 1596, 1955, 1974, 1975, 1989,  
 2010, 2011, 2037, 2049, 2050,  
 2078, 2105, 2106  
 \timestamp . 4662, 4859, 4889, 4925  
 \timestampFormat .... 4661, 4663  
 \timestampSeparator .. 4660, 4665  
 \timestampTxt ..... 4659, 4664  
 \tiny ..... 3561, 3562, 4499  
 \title ..... 4708  
 \TitleBarFrame . 1488, 1490, 1492,  
 1494  
 \tl 2974, 2975, 2976, 2983, 2989, 2990,  
 2991, 2998, 3010, 3019, 3091,  
 3098, 3099, 3188, 3197, 3212,  
 3221, 3236, 3245, 3260, 3269,  
 3284, 3293, 3308, 3317, 5343,  
 5360, 5418, 5501, 5502, 5503,  
 5518, 5533, 5620, 5621, 5622,  
 5623, 5624, 5625, 5633, 5634,  
 5635, 5636, 5637, 5638  
 \tmp ..... 5654  
 \today ..... 3385, 3387, 5180  
 \topsep 3599, 3607, 3615, 3623, 3630,  
 3638, 3645, 3654, 3659, 3669,  
 3672  
 \TPHorizModule . 4540, 4765, 4864,  
 4896, 4947, 4994, 4995, 5018,  
 5019, 5042  
 \TPVertModule ..... 4766  
 \true ..... 5729  
 \truesymbol ..... 5723  
 \ttdefault ..... 3062, 3063  
 \tw@ .. 1588, 1850, 1853, 1935, 1941,  
 1942, 1944, 1954, 1964, 1965,  
 1988, 1998, 1999, 2036, 2042,  
 2043, 2048, 2077, 2087, 2088,  
 2296, 3420, 3421, 3422, 3425,  
 3426, 3427  
 \twocolumnstableofcontents 3738  
 \typeout ..... 2918, 2920, 4713  
  
 U  
 \Umathchardef ..... 5367  
 \Umathcode ..... 5365  
 \Umathcodenum ..... 2516  
 \undefined 1790, 5571, 5580, 5581,  
 5582, 5584, 5585, 5586, 5592,  
 5593, 5594, 5596, 5597, 5598  
 \unhbox ..... 1912  
 \unpenalty ..... 191  
 \unskip 188, 2066, 2067, 2068, 2153,  
 2216, 2247  
 \unvbox ..... 1912  
 \Url@actpercent ..... 2515  
 \Url@Edit ..... 2515  
 \Url@String ..... 2515  
 \use .. 3011, 3024, 3034, 3065, 3083,  
 3096, 3114, 3118, 3138, 3142,  
 3189, 3202, 3213, 3226, 3237,  
 3250, 3261, 3274, 3285, 3298,  
 3309, 3322, 5506, 5521, 5536  
 \use@mathgroup ..... 5302  
 \usebox ..... 4717



\usecounter ..... 5713  
 \usefonttheme ..... 83  
 \UseOneTimeHook . 2639, 2695, 2747

## V

\value ..... 2792, 5683, 5699  
 \vbox . 1883, 1900, 1905, 1906, 1923,  
 2030, 2120, 2124, 2130, 2134,  
 5256, 5282  
 \vcenter ..... 1909, 1910  
 \verbatim@addtoline . 2385, 2400,  
 2411, 2418, 2420, 2428, 2430,  
 2442, 2444  
 \verbatim@finish ..... 2438  
 \verbatim@processline 2389, 2402,  
 2422  
 \verbatim@startline . 2378, 2390,  
 2403, 2423  
 \version@elt ..... 5348  
 \version@list ..... 5348  
 \vfil ..... 4683, 4699  
 \voidb@x ..... 169  
 \vrb@catcodes ..... 2372  
 \vskip ..... 4684, 4687, 4689, 4695  
 \vspace 4719, 4738, 4800, 4810, 4853,  
 4857, 4880, 4883, 4887, 4894,  
 4912, 4916, 4920, 4929, 4988,  
 4992, 5048, 5069, 5117, 5121,  
 5140, 5170, 5174, 5219, 5221,  
 5231, 5234, 5259, 5261, 5281,  
 5283, 5711, 5769, 5771  
 \vss ..... 1912  
 \vtop ..... 1907, 1908, 2029

## W

\wd ..... 2783, 2787  
 \weatherFormat ..... 4554, 4556  
 \weatheritem 4960, 4975, 4976, 4978  
 \weatherTempFormat . . 4558, 4968  
 \weatherUnits ..... 4559, 4970  
 \whiledo ..... 5683  
 \width ..... 1496, 2481, 2482  
 \write ..... 3402, 4215, 4227, 4239  
 \writexviiiifalse ..... 2966  
 \writexviiiitruer ..... 2964

## X

\X ..... 5653  
 \x ..... 2948, 2953  
 \xdef . 1526, 1544, 4379, 4381, 4385,  
 4387, 4391, 4393, 5302, 5679,

5684, 5708, 5709, 5730, 5731,  
 5734, 5735

\XePersian . 1533, 3727, 3745, 4578  
 \xepersian ..... 2459, 2461  
 \xepersian@adadi . . . 3805, 3830  
 \xepersian@adadi@tartibi 3906,  
 3931

\xepersian@@baselineskip@scale  
 3327, 3333, 3345, 3349, 3351,  
 3359, 4280, 4367

\xepersian@@fontsize@branch . .  
 ..... 4097, 4272

\xepersian@@fontsize@scale 3326,  
 3328, 3344, 3348, 3350, 3358,  
 4268, 4363, 4374

\xepersian@@latin@baselineskip@scale  
 .... 3335, 3345, 4284

\xepersian@@latin@fontsize@scale  
 .... 3330, 3344, 4276

\xepersian@@math@fontsize@scale  
 ..... 4264, 4372

\xepersian@@start@switch@textdigitfont  
 3044, 3046, 3049, 3051, 3053,  
 3055, 3057, 3062, 4326

\xepersian@@stop@switch@textdigitfont  
 3045, 3047, 3048, 3052, 3054,  
 3056, 3058, 3063

\xepersian@@update@math@fontsize  
 . . 4371, 4381, 4387, 4393

\xepersian@A 1580, 1612, 1626, 1628,  
 3055, 3056

\xepersian@adadi . . . 3799, 3804  
 \xepersian@adadi@tartibi 3900,  
 3905

\xepersian@cmds@temp . 2943, 2961  
 \xepersian@coltitsize 4421, 5144,  
 5145, 5146, 5147, 5150, 5155,  
 5160, 5165

\xepersian@computeautoilg 3416,  
 4402

\xepersian@cx . . . 4748, 4753, 4770  
 \xepersian@cy . . . 4749, 4754, 4776  
 \XePersian@d 5782, 5807, 5912, 5931,  
 5933, 5936, 5941

\xepersian@D 1577, 1614, 1615, 1616,  
 1617, 1621, 1622, 1623, 1625,  
 1626, 3051, 3052

\xepersian@dahgan 3863, 3884, 3967  
 \xepersian@dahgan@tartibi 3965,  
 3973



\XePersian@dn .. 5802, 5901, 5909,  
5912, 5915, 5919, 5931, 5933  
\XePersian@dx .. 4746, 4751, 4762,  
4765  
\XePersian@dy .. 4747, 4752, 4763,  
4766  
\XePersian@edition . 4528, 4532,  
4568, 4688, 4820  
\XePersian@editionLogo .. 4530,  
4798, 4816  
\XePersian@editorialTit . 5225,  
5244  
\XePersian@editorialTitle 4671,  
5230  
\XePersian@everyjob .. 2919, 2920  
\XePersian@firstText . 4603, 4859  
\XePersian@firstTitle 4591, 4854  
\XePersian@fmbox 4714, 4716, 4717  
\XePersian@footcenter 4580, 4587,  
4839  
\XePersian@footleft . 4582, 4586,  
4838  
\XePersian@footright 4577, 4588,  
4837  
\XePersian@frag 4100, 4102, 4103,  
4105  
\XePersian@gridcolumns .. 4443,  
4445, 4484, 4488  
\XePersian@gridrows . 4442, 4444,  
4484, 4488  
\XePersian@headcenter 4564, 4574,  
4836  
\XePersian@headDateTime . 4550,  
4804, 4818  
\XePersian@headleft . 4561, 4573,  
4835  
\XePersian@headright 4567, 4575,  
4834  
\XePersian@i 5782, 5905, 5906, 5908,  
5909, 5910, 5913, 5917, 5918,  
5921, 5922, 5925, 5928, 5930  
\XePersian@ilg . 3413, 3417, 3421,  
3422, 3426, 3427, 3445  
\XePersian@imgsize . 4420, 4721,  
4722, 4724, 4733, 4734  
\XePersian@incolumntitle 5131,  
5150, 5155, 5160, 5165  
\XePersian@indexEntry 4540, 5067  
\XePersian@indexEntryPage 4546,  
5067  
\XePersian@indexFrameTitle 4536,  
5043  
\XePersian@indexwidth 4424, 4543,  
5042, 5046, 5047  
\XePersian@inexpandedtitle 5082,  
5097, 5102, 5107, 5112  
\XePersian@innerSubtitle 4658,  
5198  
\XePersian@innerTitle 4647, 5197  
\XePersian@kabisehfalsh . 5852,  
5858  
\XePersian@kabisehtrue ... 5858  
\XePersian@kashida . 1583, 1621,  
1622, 1623, 1624, 1625, 1626,  
1627  
\XePersian@kashidachar .. 1575,  
1589, 1591, 1593, 1595, 1597  
\XePersian@L 1578, 1618, 1622, 1623,  
1624, 1627, 1628, 3053, 3054  
\XePersian@latini ... 5783, 5829  
\XePersian@latinii . 5784, 5831,  
5833  
\XePersian@latiniii .. 5785, 5835  
\XePersian@latiniv .. 5786, 5836  
\XePersian@latinix .. 5791, 5841  
\XePersian@latinvi ... 5787, 5837  
\XePersian@latinvi ... 5788, 5838  
\XePersian@latinvii .. 5789, 5839  
\XePersian@latinviii .. 5790, 5840  
\XePersian@latinix ... 5792, 5842  
\XePersian@latinxi .. 5793, 5843  
\XePersian@latinxii .. 5794, 5844  
\XePersian@leapfalsh 5814, 5818,  
5824  
\XePersian@leaptrue .. 5824, 5825  
\XePersian@localize@verbatim@  
2380, 2381, 2383, 2391, 2404,  
2413, 2424, 2432, 2446  
\XePersian@localize@verbatim@  
..... 2383, 2384  
\XePersian@localize@verbatim@  
..... 2386, 2387  
\XePersian@localize@verbatim@  
..... 2426, 2436  
\XePersian@localize@verbatim@  
..... 2440, 2449  
\XePersian@localize@verbatim@start  
.. 2377, 2452, 2453, 2464  
\XePersian@localize@verbatim@test  
.... 2395, 2397, 2398



\XePersian@localize@verbatim@testend ..... 2409, 2416  
\XePersian@lrm ..... 1574, 1586  
\XePersian@m 5782, 5807, 5903, 5922, 5925, 5937, 5940  
\XePersian@milyoongan 3832, 3843  
\XePersian@milyoongan@tartibi ..... 3933, 3944  
\XePersian@mminusone 5804, 5903, 5904, 5906, 5910  
\XePersian@ncol ..... 4775, 4776  
\XePersian@ncolumns . 4425, 5126, 5127, 5194  
\XePersian@nrow ..... 4769, 4770  
\XePersian@numberoutofrange .. .... 3790, 3801, 3902  
\XePersian@numberstring . 3787, 3795  
\XePersian@numberstring@tartibi ..... 3893, 3896  
\XePersian@PackageInfo .. 5363, 5482  
\XePersian@pageleft . 4423, 5210, 5211, 5213, 5215  
\XePersian@pageneed . 4422, 4724, 4725, 4727, 4730, 5209, 5215  
\XePersian@pages 4644, 4879, 4911, 5196  
\XePersian@persian@month 5937, 5942  
\XePersian@persiani . 5783, 5883, 5884, 5914, 5931  
\XePersian@persianii . 5784, 5885  
\XePersian@persianiii 5785, 5887, 5889  
\XePersian@persianiv . 5786, 5891  
\XePersian@persianix . 5791, 5896  
\XePersian@persianv .. 5787, 5892  
\XePersian@persianvi . 5788, 5893  
\XePersian@persianvii 5789, 5894  
\XePersian@persianviii .. 5790, 5895  
\XePersian@persianx .. 5792, 5897  
\XePersian@persianxi . 5793, 5898  
\XePersian@persianxii 5794, 5899  
\XePersian@persianxiii .. 5795, 5900  
\XePersian@pictureCaption 4640, 4736, 4950  
\XePersian@R 1579, 1613, 1625, 1627, 3057, 3058  
\XePersian@sadgan .. 3836, 3841, 3845, 3849, 3854, 3937, 3950  
\XePersian@sadgan@tartibi 3942, 3946, 3955  
\XePersian@save@@f@family 3062, 3063  
\XePersian@say . 4713, 5193, 5213, 5216, 5218, 5242, 5268  
\XePersian@secondSubtitle 4616, 4885  
\XePersian@secondText 4620, 4889  
\XePersian@secondTitle .. 4607, 4881  
\XePersian@section . 4560, 4565, 5189  
\XePersian@setlength 3461, 3504, 3506, 3507, 3521, 3523, 3524, 3538, 3540, 3541, 3597, 3599, 3613, 3615, 3628, 3630, 3643, 3645, 3659, 3705, 3707, 3709, 3720  
\XePersian@shellescape ... 2963  
\XePersian@shortarticleItemTitle ..... 4678, 5282  
\XePersian@shortarticleSubtitle ..... 4676, 5262  
\XePersian@shortarticleTit 5254, 5269  
\XePersian@shortarticleTitle . .... 4674, 5258  
\XePersian@sn .. 5803, 5902, 5914, 5915, 5918, 5919, 5928, 5933  
\XePersian@strutilg . 3414, 3417, 3432, 3433, 3437, 3438, 3445, 3446, 3449, 4403, 4406  
\XePersian@tartibi .. 3893, 3978  
\XePersian@tcl . 3412, 3417, 3419, 3420, 3421, 3422, 3425, 3426, 3427, 3431, 3432, 3433, 3436, 3437, 3438, 3443, 3444  
\XePersian@temp 5797, 5808, 5809, 5810, 5812, 5816, 5817, 5818, 5821, 5822, 5823, 5824, 5846, 5847, 5848, 5851, 5852, 5854, 5857, 5858, 5862, 5863, 5866, 5869, 5874, 5879, 5881, 5882, 5884  
\XePersian@tempa 4111, 4119, 4127,



4135, 4142, 4150, 4157, 4164,  
 4170, 4182, 4188, 4194, 4198,  
 4202, 4208, 4221, 4233, 4245,  
 4287, 4294, 4301, 4308, 4323,  
 4333  
 \xepersian@tempb 4111, 4112, 4119,  
 4120, 4127, 4128, 4135, 4136,  
 4142, 4143, 4150, 4151, 4157,  
 4158, 4164, 4165, 4170, 4171,  
 4182, 4183, 4188, 4189, 4194,  
 4195, 4198, 4199, 4202, 4203,  
 4208, 4209, 4221, 4222, 4233,  
 4234, 4245, 4246, 4287, 4288,  
 4294, 4295, 4301, 4302, 4308,  
 4309, 4323, 4324, 4333, 4334  
 \XePersian@tempthree 5799, 5860,  
 5861, 5862, 5864, 5867, 5870,  
 5871, 5875, 5878, 5879, 5880,  
 5881  
 \XePersian@temptwo . 5798, 5848,  
 5849, 5850, 5851, 5854, 5855,  
 5856, 5857, 5864, 5865, 5866,  
 5867, 5868, 5869, 5871, 5872,  
 5873, 5874, 5875, 5876, 5877,  
 5878  
 \xepersian@textdigitfont 3036,  
 3062, 4327  
 \xepersian@thirdSubtitle 4635,  
 4918  
 \xepersian@thirdText . 4638, 4925  
 \xepersian@thirdTitle 4626, 4914  
 \XePersian@thirtytwo 5801, 5845,  
 5852  
 \xepersian@tmp . . . . . 4099, 4100  
 \xepersian@V . . . . . 1581, 1619  
 \xepersian@value . . . . 4102, 4105  
 \xepersian@version . 2885, 2887,  
 2904, 2922, 2924, 2930, 2936,  
 3730, 3734  
 \xepersian@weather . . 4555, 4990  
 \xepersian@www . . . . . 4525, 4798  
 \xepersian@wwwFormat . 4524, 4526  
 \XePersian@y 5782, 5807, 5808, 5811,  
 5821, 5824, 5846, 5860, 5923,  
 5926, 5937, 5939  
 \xepersian@yekani . . 3836, 3864,  
 3868, 3875, 3878, 3937  
 \xepersian@yekanii . 3787, 3849,  
 3874, 3950  
 \xepersian@yekaniiiii . 3845, 3877,  
 3946  
 \xepersian@yekaniv . 3856, 3880,  
 3957  
 \xepersian@yekanv . . . 3969, 3985  
 \XePersian@yModHundred . . 5800,  
 5811, 5812, 5813, 5816, 5820  
 \xepersian@zwj . . 1573, 1585, 1598  
 \xepersian@date . 2886, 2887, 2904,  
 3730  
 \xepersian@init . . . . . 4481, 4782  
 \xepersian@version . . . . . 2921  
 \XeTeXcharclass . . . . . 1607  
 \XeTeXcharglyph 1589, 1591, 1595,  
 1597, 3420, 3421, 3422, 3425,  
 3426, 3427, 3431, 3432, 3433,  
 3436, 3437, 3438  
 \XeTeXglyphbounds . . 1588, 1590,  
 1594, 1596, 3420, 3421, 3422,  
 3425, 3426, 3427, 3431, 3432,  
 3433, 3436, 3437, 3438  
 \XeTeXinterchartoks . 1621, 1622,  
 1623, 1624, 1625, 1626, 1627,  
 1628, 3044, 3045, 3046, 3047,  
 3048, 3049, 3051, 3052, 3053,  
 3054, 3055, 3056, 3057, 3058  
 \xpg@warning . . . . 3991, 3996, 3998  
  
 Y  
 \y . . . . . 2949, 2951, 2953  
 \year . . . . . 5807  
  
 Z  
 \z . . . . . 2950, 2951  
 \z@ . . 10, 18, 171, 172, 183, 185, 1551,  
 1828, 1928, 1932, 1937, 1938,  
 1946, 1956, 1960, 1961, 1966,  
 1980, 1990, 1994, 1995, 2000,  
 2016, 2038, 2039, 2050, 2068,  
 2079, 2083, 2084, 2097, 2111,  
 2298, 2344, 2346, 2355, 2479,  
 2480, 2487, 2488, 2782, 2783,  
 2786, 2787, 3046, 3047, 3367,  
 3368, 3377, 3378, 3417, 3420,  
 3425, 3431, 3436, 3462, 3463,  
 3464, 3470, 3477, 3478, 3484,  
 3506, 3523, 3540, 3661, 3670,  
 3714, 3831, 3833, 3835, 3839,  
 3855, 3858, 3864, 3932, 3934,  
 3936, 3940, 3956, 3959, 3969,



3998, 4020, 4024, 4028, 4031,  
4098, 5858

☒

\ ..... 1138, 1768, 2364  
 \ ..... 1792, 1794, 1797, 1804  
 \ ..... 1797  
 \ . . 1782, 1789, 1790, 1793, 1794,  
 1802, 1804  
 \ ..... 1787, 1788, 1792, 1799  
 \ 1780, 1786, 1787, 1792, 1797, 1798  
 \ . . 1139, 1140, 1141, 1142, 1143,  
 1144, 1145, 1146, 1790  
 \ . 1792, 1793, 1798, 1799, 1801,  
 1802  
 \ ..... 1792, 1797  
 \ ..... 1792, 1793, 1798, 1802  
 \ ..... 1787, 1788  
 \ ..... 1792, 1794, 1799, 1804  
 @ \ ..... 1781, 1785

☒

@ \ 2489, 2490, 2491, 2492, 2493,  
 2494, 2495, 2496, 2497, 2498,  
 2499, 2500, 2501, 2502, 2503,  
 2504, 2505, 2506, 2507, 2508,  
 2509, 2510  
 @ \ ..... 1781  
 \ ..... 1787  
 \ ..... 1781, 1785  
 \ ..... 2143, 2451  
 \ ..... 2365  
 \ ..... 1788, 2140, 2141

☒

\ ..... 1780  
 \ ..... 1783  
 \ ..... 1782, 1784

