



The XePersian *Package*

Source documentation for version 23.3

to my Master, *Ferdowsi The Great*

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

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

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

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

<https://github.com/tex-persian/xepersian/discussions>

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

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The XePersian *Package*

Persian for L^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 23.3](#)

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Contents

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

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35	File kashida-xepersian.def	32	50	File report-xepersian.def	52
36	File listings-xepersian.def	34	51	File scrartcl-xepersian.def	53
37	File loadingorder-xepersian.def	34	52	File scrbook-xepersian.def	53
38	File localise-xepersian.def	35	53	File screprt-xepersian.def	54
39	File memoir-xepersian.def	36	54	File soul-xepersian.def	55
40	File latex-localise-messages-xepersian.def	37	55	File tikz.code-xepersian.def	55
41	File minitoc-xepersian.def	37	56	File tkz-linknodes-xepersian.def	55
42	File latex-localise-misc-xepersian.def	37	57	File tocloft-xepersian.def	56
43	File natbib-xepersian.def	44	58	File varioref-xepersian.def	56
44	File packages-localise-xepersian.def	48	59	File xepersian.sty	57
45	File persian-tex-text.map	51	60	File xepersian-magazine.cls	85
46	File persian-tex-text-nonnumbers.map	51	61	File xepersian-mathdigitspec.sty	102
47	File rapport1-xepersian.def	52	62	File xepersian-multiplechoice.sty	108
48	File rapport3-xepersian.def	52	63	File xepersian-persiancal.sty	111
49	File refrep-xepersian.def	52			

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 bidentuftsidenote-xepersian.def

```

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

```

12 File bidimoderncv-xepersian.def

```

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

```

13 File boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse

```



```

98 \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100 \setcounter{chapter}{0}%
101 \setcounter{section}{0}%
102 \gdef\@chapapp{\appendixname}%
103 \gdef\thechapter{\@harfi\c@chapter}}

```

14 File boek-xepersian.def

```

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

```

15 File bookest-xepersian.def

```

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

```

16 File book-xepersian.def

```

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

```

17 File breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137 \everydisplay\expandafter{\the\everydisplay \display@setup}%
138 \if@noskipsec \leavevmode \fi
139 \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

140 \if\eq@group\else\eq@prelim\fi
141 \setkeys{breqn}{#1}%
142 \the\eqstyle
143 \eq@setnumber
144 \begingroup
145 \eq@setup@a
146 \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151 \global\let\GRP@label\@empty
152 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153 \global\grp@linewidth\z@\global\grp@wdNum\z@
154 \global\let\grp@eqs@numbered\@False
155 \global\let\grp@aligned\@True
156 \global\let\grp@shiftnumber\@False
157 \eq@prelim
158 \setkeys{breqn}{#1}%
159 \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162 \let\display@setup\dseries@display@setup
163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169 \ifdim\lastskip<.3em \unskip
170 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

18 File latex-localise-commands-xepersian.def

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}

```



```

191 \eqcommand{      }{advance}
192 \eqcommand{      }{afterassignment}
193 \eqcommand{      }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{      }{aliasfontfeature}
196 \eqcommand{      }{aliasfontfeatureoption}
197 \eqcommand{      }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{      }{allocationnumber}
200 \eqcommand{      }{allowdisplaybreaks}
201 \eqcommand{      }{Alph}
202 \eqcommand{      }{alph}
203 \eqcommand{      }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{      }{angle}
206 \eqcommand{      }{appendixname}
207 \eqcommand{      }{approx}
208 \eqcommand{      }{arabic}
209 \eqcommand{ }{arg}
210 \eqcommand{      }{arrayrulecolor}
211 \eqcommand{      }{arraycolsep}
212 \eqcommand{      }{arrayrulewidth}
213 \eqcommand{      }{arraystretch}
214 \eqcommand{      }{AtBeginDocument}
215 \eqcommand{      }{AtEndDocument}
216 \eqcommand{      }{AtEndOfClass}
217 \eqcommand{      }{AtEndOfPackage}
218 \eqcommand{      }{author}
219 \eqcommand{      }{backmatter}
220 \eqcommand{      }{backslash}
221 \eqcommand{      }{badness}
222 \eqcommand{ }{bar}
223 \eqcommand{      }{baselineskip}
224 \eqcommand{      }{baselinestretch}
225 \eqcommand{      }{batchmode}
226 \eqcommand{ }{begin}
227 \eqcommand{      }{beginL}
228 \eqcommand{      }{beginR}
229 \eqcommand{      }{begingroup}
230 \eqcommand{      }{belowdisplayshortskip}
231 \eqcommand{      }{belowdisplayskip}
232 \eqcommand{ }{bf}
233 \eqcommand{      }{bfdefault}
234 \eqcommand{      }{bfseries}
235 \eqcommand{      }{bgroup}
236 \eqcommand{ }{bibitem}
237 \eqcommand{      }{bibliography}
238 \eqcommand{      }{bibliographystyle}
239 \eqcommand{      }{bibname}
240 \eqcommand{      }{bigskip}
241 \eqcommand{      }{bigskipamount}
242 \eqcommand{      }{botfigrule}
243 \eqcommand{      }{botmark}
244 \eqcommand{      }{bottompageskip}

```




```

245 \eqcommand{    }{bottomfraction}
246 \eqcommand{  }{box}
247 \eqcommand{    }{boxmaxdepth}
248 \eqcommand{  }{break}
249 \eqcommand{  }{bullet}
250 \eqcommand{ @  }{@cclv}
251 \eqcommand{ @  }{@cclvi}
252 \eqcommand{  }{caption}
253 \eqcommand{  }{catcode}
254 \eqcommand{  }{cc}
255 \eqcommand{    }{ccname}
256 \eqcommand{  }{cdot}
257 \eqcommand{  }{cdots}
258 \eqcommand{    }{centering}
259 \eqcommand{  }{centerline}
260 \eqcommand{ @  }{ch@ck}
261 \eqcommand{  }{chapter}
262 \eqcommand{    }{chaptername}
263 \eqcommand{  }{char}
264 \eqcommand{    }{chardef}
265 \eqcommand{  }{CheckCommand}
266 \eqcommand{  }{cite}
267 \eqcommand{    }{ClassError}
268 \eqcommand{    }{ClassInfo}
269 \eqcommand{    }{ClassWarning}
270 \eqcommand{    }{ClassWarningNoLine}
271 \eqcommand{    }{cleaders}
272 \eqcommand{  }{cleardoublepage}
273 \eqcommand{  }{clearpage}
274 \eqcommand{  }{cline}
275 \eqcommand{  }{closein}
276 \eqcommand{  }{closeout}
277 \eqcommand{  }{closing}
278 \eqcommand{    }{clubpenalty}
279 \eqcommand{  }{clubsuit}
280 \eqcommand{    }{colbotmark}
281 \eqcommand{    }{colfirstmark}
282 \eqcommand{  }{color}
283 \eqcommand{  }{colorbox}
284 \eqcommand{    }{coltopmark}
285 \eqcommand{  }{columncolor}
286 \eqcommand{  }{columnsep}
287 \eqcommand{  }{columnwidth}
288 \eqcommand{  }{columnseprule}
289 \eqcommand{  }{contentsline}
290 \eqcommand{    }{contentsname}
291 \eqcommand{  }{copy}
292 \eqcommand{    }{copyright}
293 \eqcommand{  }{count}
294 \eqcommand{ @  }{count@}
295 \eqcommand{    }{countdef}
296 \eqcommand{  }{cr}
297 \eqcommand{  }{crr}
298 \eqcommand{    }{csname}

```



```

299 \eqcommand{      }{CurrentOption}
300 \eqcommand{      }{dashbox}
301 \eqcommand{      }{dashv}
302 \eqcommand{@     }{@date}
303 \eqcommand{      }{date}
304 \eqcommand{      }{day}
305 \eqcommand{      }{dblbotfigrule}
306 \eqcommand{      }{dblbottomfraction}
307 \eqcommand{      }{dblfigrule}
308 \eqcommand{      }{dblfloatpagefraction}
309 \eqcommand{      }{dblfloatsep}
310 \eqcommand{      }{dblftntlocatcode}
311 \eqcommand{      }{dbltextfloatsep}
312 \eqcommand{      }{dbltopfraction}
313 \eqcommand{      }{DeclareFixedFont}
314 \eqcommand{      }{DeclareGraphicsExtensions}
315 \eqcommand{      }{DeclareGraphicsRule}
316 \eqcommand{      }{DeclareOldFontCommand}
317 \eqcommand{      }{DeclareOption}
318 \eqcommand{      }{DeclareRobustCommand}
319 \eqcommand{      }{DeclareSymbolFont}
320 \eqcommand{      }{deadcycles}
321 \eqcommand{ }{def}
322 \eqcommand{ @   }{define@key}
323 \eqcommand{      }{definecolor}
324 \eqcommand{      }{deg}
325 \eqcommand{      }{delcode}
326 \eqcommand{      }{delimiter}
327 \eqcommand{      }{delimiterfactor}
328 \eqcommand{      }{depth}
329 \eqcommand{      }{diamondsuit}
330 \eqcommand{      }{dim}
331 \eqcommand{      }{dimen}
332 \eqcommand{ @   }{dimen@}
333 \eqcommand{ @   }{dimen@i}
334 \eqcommand{ @   }{dimen@ii}
335 \eqcommand{      }{dimendef}
336 \eqcommand{      }{discretionary}
337 \eqcommand{      }{displaybreak}
338 \eqcommand{      }{displayindent}
339 \eqcommand{      }{displaystyle}
340 \eqcommand{      }{displaywidth}
341 \eqcommand{      }{divide}
342 \eqcommand{      }{documentclass}
343 \eqcommand{ }{do}
344 \eqcommand{      }{dospecials}
345 \eqcommand{      }{dot}
346 \eqcommand{      }{doteq}
347 \eqcommand{      }{dotfill}
348 \eqcommand{      }{dots}
349 \eqcommand{      }{doublebox}
350 \eqcommand{      }{doublerulesepcolor}
351 \eqcommand{      }{doublerulesep}
352 \eqcommand{      }{downarrow}

```



```

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

```



```

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

```



```

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

```



```

515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}
523 \eqcommand{ }{ifthenelse}
524 \eqcommand{ }{iftrue}
525 \eqcommand{ }{ifvbox}
526 \eqcommand{ }{ifvmode}
527 \eqcommand{ }{ifvoid}
528 \eqcommand{ }{ifx}
529 \eqcommand{ }{ignorespaces}
530 \eqcommand{ }{immediate}
531 \eqcommand{ }{include}
532 \eqcommand{ }{includegraphics}
533 \eqcommand{ }{includeonly}
534 \eqcommand{ }{indent}
535 \eqcommand{ }{index}
536 \eqcommand{ }{indexentry}
537 \eqcommand{ }{indexname}
538 \eqcommand{ }{indexspace}
539 \eqcommand{ }{input}
540 \eqcommand{ }{InputIfFileExists}
541 \eqcommand{ }{inputlineno}
542 \eqcommand{ }{insert}
543 \eqcommand{ }{insertpenalties}
544 \eqcommand{ }{interfootnotelinepenalty}
545 \eqcommand{ }{interdisplaylinepenalty}
546 \eqcommand{ }{interlinepenalty}
547 \eqcommand{ }{intertext}
548 \eqcommand{ }{intertextsep}
549 \eqcommand{ }{invisible}
550 \eqcommand{ }{itdefault}
551 \eqcommand{ }{itshape}
552 \eqcommand{ }{item}
553 \eqcommand{ }{itemindent}
554 \eqcommand{ }{itemsep}
555 \eqcommand{ }{iterate}
556 \eqcommand{ }{itshape}
557 \eqcommand{ }{jobname}
558 \eqcommand{ }{jot}
559 \eqcommand{ }{kern}
560 \eqcommand{ }{kill}
561 \eqcommand{ }{label}
562 \eqcommand{ }{labelenumi}
563 \eqcommand{ }{labelenumii}
564 \eqcommand{ }{labelenumiii}
565 \eqcommand{ }{labelenumiv}
566 \eqcommand{ }{labelitemi}
567 \eqcommand{ }{labelitemii}
568 \eqcommand{ }{labelitemiii}

```



```

569 \eqcommand{      }{labelitemiv}
570 \eqcommand{      }{labelsep}
571 \eqcommand{      }{labelwidth}
572 \eqcommand{ }{language}
573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}
610 \eqcommand{ }{listparindent}
611 \eqcommand{ }{listtablename}
612 \eqcommand{ }{LoadClass}
613 \eqcommand{ }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{ }{looseness}
617 \eqcommand{ }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{@ }{@M}
621 \eqcommand{@ }{@Mi}
622 \eqcommand{@ }{@Mii}

```



```

623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}
660 \eqcommand{ }{medmuskip}
661 \eqcommand{ }{medskip}
662 \eqcommand{ }{medskipamount}
663 \eqcommand{ }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{ }{MessageBreak}
666 \eqcommand{ }{minrowclearance}
667 \eqcommand{ }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{ }{moveleft}
670 \eqcommand{ }{moveright}
671 \eqcommand{ }{mskip}
672 \eqcommand{ @ }{@m@th}
673 \eqcommand{ }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{ }{multispan}
676 \eqcommand{ }{muskip}

```




```

677 \eqcommand{      }\muskipdef}
678 \eqcommand{@     }\{@namedef}
679 \eqcommand{@     }\{@nameuse}
680 \eqcommand{ @}\{@ne}
681 \eqcommand{     }\{name}
682 \eqcommand{     }\{natural}
683 \eqcommand{     }\{nearrow}
684 \eqcommand{     }\{nearrower}
685 \eqcommand{     }\{NeedsTeXFormat}
686 \eqcommand{     }\{neg}
687 \eqcommand{     }\{negmedspace}
688 \eqcommand{     }\{negthickspace}
689 \eqcommand{     }\{negthinspace}
690 \eqcommand{     }\{newboolean}
691 \eqcommand{     }\{newbox}
692 \eqcommand{     }\{newcommand}
693 \eqcommand{     }\{newcount}
694 \eqcommand{     }\{newcounter}
695 \eqcommand{     }\{newdimen}
696 \eqcommand{     }\{newenvironment}
697 \eqcommand{     }\{newfam}
698 \eqcommand{     }\{newfont}
699 \eqcommand{     }\{newhelp}
700 \eqcommand{     }\{newinsert}
701 \eqcommand{     }\{newlabel}
702 \eqcommand{     }\{newlength}
703 \eqcommand{     }\{newline}
704 \eqcommand{     }\{newlinechar}
705 \eqcommand{     }\{newmuskip}
706 \eqcommand{     }\{newpage}
707 \eqcommand{     }\{newread}
708 \eqcommand{     }\{newsavebox}
709 \eqcommand{     }\{newskip}
710 \eqcommand{     }\{newtheorem}
711 \eqcommand{     }\{newtoks}
712 \eqcommand{     }\{newwrite}
713 \eqcommand{     }\{noalign}
714 \eqcommand{     }\{nobreak}
715 \eqcommand{     }\{nobreakspace}
716 \eqcommand{     }\{nocite}
717 \eqcommand{     }\{noexpand}
718 \eqcommand{     }\{nofiles}
719 \eqcommand{     }\{noindent}
720 \eqcommand{     }\{nointerlineskip}
721 \eqcommand{     }\{nolimits}
722 \eqcommand{     }\{nolinebreak}
723 \eqcommand{     }\{nonstopmode}
724 \eqcommand{     }\{nonfrenchspacing}
725 \eqcommand{     }\{nonumber}
726 \eqcommand{     }\{nopagebreak}
727 \eqcommand{     }\{normalbaselines}
728 \eqcommand{     }\{normalbaselineskip}
729 \eqcommand{     }\{normalcolor}
730 \eqcommand{     }\{normalfont}

```



```

731 \eqcommand{      }\{normallineskip\}
732 \eqcommand{      }\{normallineskiplimit\}
733 \eqcommand{      }\{normalmarginpar\}
734 \eqcommand{      }\{normalsize\}
735 \eqcommand{      }\{notag\}
736 \eqcommand{ }{null}
737 \eqcommand{      }\{nullfont\}
738 \eqcommand{ }{number}
739 \eqcommand{      }\{numberline\}
740 \eqcommand{      }\{numberwithin\}
741 \eqcommand{      }\{@evenfoot\}
742 \eqcommand{      }\{@evenhead\}
743 \eqcommand{      }\{@oddfoot\}
744 \eqcommand{      }\{@oddhead\}
745 \eqcommand{      }\{@outeqntrue\}
746 \eqcommand{      }\{@outeqnfalse\}
747 \eqcommand{      }\{obeylines\}
748 \eqcommand{      }\{obeyspaces\}
749 \eqcommand{      }\{oddsidemargin\}
750 \eqcommand{      }\{offinterlineskip\}
751 \eqcommand{ }{omit}
752 \eqcommand{@      }\{@onlypreamble\}
753 \eqcommand{      }\{onecolumn\}
754 \eqcommand{      }\{onlynotes\}
755 \eqcommand{      }\{onlyslides\}
756 \eqcommand{      }\{openin\}
757 \eqcommand{      }\{openout\}
758 \eqcommand{      }\{OptionNotUsed\}
759 \eqcommand{ }{or}
760 \eqcommand{      }\{outer\}
761 \eqcommand{      }\{output\}
762 \eqcommand{      }\{outputpenalty\}
763 \eqcommand{      }\{overfullrule\}
764 \eqcommand{@      }\{@preamblecmds\}
765 \eqcommand{@ }{p@}
766 \eqcommand{      }\{PackageError\}
767 \eqcommand{      }\{PackageInfo\}
768 \eqcommand{      }\{PackageWarning\}
769 \eqcommand{      }\{PackageWarningNoLine\}
770 \eqcommand{      }\{pagebreak\}
771 \eqcommand{      }\{pagecolor\}
772 \eqcommand{      }\{pagedepth\}
773 \eqcommand{      }\{pagefillllstretch\}
774 \eqcommand{      }\{pagefillstretch\}
775 \eqcommand{      }\{pagefilstretch\}
776 \eqcommand{      }\{pagegoal\}
777 \eqcommand{      }\{pagename\}
778 \eqcommand{      }\{pagenumbering\}
779 \eqcommand{      }\{pageref\}
780 \eqcommand{      }\{pagerulewidth\}
781 \eqcommand{      }\{pageshrink\}
782 \eqcommand{      }\{pagestretch\}
783 \eqcommand{      }\{pagestyle\}
784 \eqcommand{      }\{pagetotal\}

```



```

785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisdisplaypenalty}
810 \eqcommand{ }{predisplaysize}
811 \eqcommand{ }{pretolerance}
812 \eqcommand{ }{prevdepth}
813 \eqcommand{ }{prevgraf}
814 \eqcommand{ }{printindex}
815 \eqcommand{ }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{ }{providecommand}
818 \eqcommand{ }{ProvidesClass}
819 \eqcommand{ }{ProvidesFile}
820 \eqcommand{ }{ProvidesPackage}
821 \eqcommand{ }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{ }{qquad}
824 \eqcommand{@ }{@outputpagerestore}
825 \eqcommand{ }{radical}
826 \eqcommand{ }{raggedbottom}
827 \eqcommand{ }{raggedleft}
828 \eqcommand{ }{raggedright}
829 \eqcommand{ }{raise}
830 \eqcommand{ }{raisebox}
831 \eqcommand{ }{raisetag}
832 \eqcommand{ }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{ }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{ }{reflectbox}
837 \eqcommand{ }{refname}
838 \eqcommand{ }{refstepcounter}

```



```

839 \eqcommand{ }{relax}
840 \eqcommand{ }{removelastskip}
841 \eqcommand{ }{renewcommand}
842 \eqcommand{ }{renewenvironment}
843 \eqcommand{ }{RequirePackage}
844 \eqcommand{ }{RequirePackageWithOptions}
845 \eqcommand{ }{resizebox}
846 \eqcommand{ }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{ }{rightmargin}
850 \eqcommand{ }{rightmark}
851 \eqcommand{ }{rightpageskip}
852 \eqcommand{ }{rightskip}
853 \eqcommand{ }{rmdefault}
854 \eqcommand{ }{rmfamily}
855 \eqcommand{ }{Roman}
856 \eqcommand{ }{roman}
857 \eqcommand{ }{romannumeral}
858 \eqcommand{ }{rotatebox}
859 \eqcommand{ }{rowcolor}
860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}

```



```

893 \eqcommand{      }\{sffamily}
894 \eqcommand{      }\{shadowbox}
895 \eqcommand{      }\{sharp}
896 \eqcommand{      }\{shipout}
897 \eqcommand{      }\{shortstack}
898 \eqcommand{      }\{show}
899 \eqcommand{      }\{showbox}
900 \eqcommand{      }\{showboxbreadth}
901 \eqcommand{      }\{showboxdepth}
902 \eqcommand{      }\{showlists}
903 \eqcommand{      }\{showthe}
904 \eqcommand{      }\{simplefontmode}
905 \eqcommand{      }@{\sift@n}
906 \eqcommand{      }\{skewchar}
907 \eqcommand{      }\{skip}
908 \eqcommand{      }@{\skip@}
909 \eqcommand{      }\{skipdef}
910 \eqcommand{      }\{sl}
911 \eqcommand{      }\{sldefault}
912 \eqcommand{      }\{slshape}
913 \eqcommand{      }\{sloppy}
914 \eqcommand{      }\{slshape}
915 \eqcommand{      }\{small}
916 \eqcommand{      }\{smallskip}
917 \eqcommand{      }\{smallskipamount}
918 \eqcommand{      }\{smash}
919 \eqcommand{      }\{smile}
920 \eqcommand{      }\{sneglnfontlocatcode}
921 \eqcommand{      }\{space}
922 \eqcommand{      }\{spacefactor}
923 \eqcommand{      }\{spaceskip}
924 \eqcommand{      }\{spadesuit}
925 \eqcommand{      }\{span}
926 \eqcommand{      }\{special}
927 \eqcommand{      }\{splitmaxdepth}
928 \eqcommand{      }\{splittopskip}
929 \eqcommand{      }\{star}
930 \eqcommand{      }\{stepcounter}
931 \eqcommand{      }\{stretch}
932 \eqcommand{      }\{string}
933 \eqcommand{      }\{strut}
934 \eqcommand{      }\{strutbox}
935 \eqcommand{      }\{subitem}
936 \eqcommand{      }\{subparagraph}
937 \eqcommand{      }\{subsection}
938 \eqcommand{      }\{substack}
939 \eqcommand{      }\{subsubitem}
940 \eqcommand{      }\{subsubsection}
941 \eqcommand{      }\{subset}
942 \eqcommand{      }\{subseteq}
943 \eqcommand{      }\{supereject}
944 \eqcommand{      }\{suppressfloats}
945 \eqcommand{@      }\{@tempa}
946 \eqcommand{@      }\{@tempb}

```



```

947 \eqcommand{@ }{@tempc}
948 \eqcommand{@ }{@tempd}
949 \eqcommand{@ }{@tempe}
950 \eqcommand{@ }{@tempboxa}
951 \eqcommand{@ }{@tempcnta}
952 \eqcommand{@ }{@tempcntb}
953 \eqcommand{@ }{@tempdima}
954 \eqcommand{@ }{@tempdimb}
955 \eqcommand{@ }{@tempdimc}
956 \eqcommand{@ }{@tempskipa}
957 \eqcommand{@ }{@tempskipb}
958 \eqcommand{@ }{@tempswafalse}
959 \eqcommand{@ }{@tempswatrue}
960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}

```



```

1001 \eqcommand{ }{\textrm}
1002 \eqcommand{ }{\textsc}
1003 \eqcommand{ }{\textsf}
1004 \eqcommand{ }{\textsl}
1005 \eqcommand{ }{\textstyle}
1006 \eqcommand{ }{\textsuperscript}
1007 \eqcommand{ }{\texttrademark}
1008 \eqcommand{ }{\texttt}
1009 \eqcommand{ }{\textup}
1010 \eqcommand{ }{\textwidth}
1011 \eqcommand{ }{\thanks}
1012 \eqcommand{ }{\the}
1013 \eqcommand{ }{\thempfn}
1014 \eqcommand{ }{\thicklines}
1015 \eqcommand{ }{\thickmuskip}
1016 \eqcommand{ }{\thinmuskip}
1017 \eqcommand{ }{\thickspace}
1018 \eqcommand{ }{\thinspace}
1019 \eqcommand{ }{\thinspace}
1020 \eqcommand{ }{\thisfancypage}
1021 \eqcommand{ }{\thispagestyle}
1022 \eqcommand{ @}{\thr@@}
1023 \eqcommand{ }{\tilde}
1024 \eqcommand{ }{\tiny}
1025 \eqcommand{ }{\time}
1026 \eqcommand{ }{\times}
1027 \eqcommand{ }{\title}
1028 \eqcommand{ }{\to}
1029 \eqcommand{ }{\today}
1030 \eqcommand{ }{\toks}
1031 \eqcommand{ }{\toksdef}
1032 \eqcommand{ }{\tolerance}
1033 \eqcommand{ }{\top}
1034 \eqcommand{ }{\topfigrule}
1035 \eqcommand{ }{\topfraction}
1036 \eqcommand{ }{\topmargin}
1037 \eqcommand{ }{\topmark}
1038 \eqcommand{ }{\toppageskip}
1039 \eqcommand{ }{\topsep}
1040 \eqcommand{ }{\topskip}
1041 \eqcommand{ }{\totalheight}
1042 \eqcommand{ }{\tracingall}
1043 \eqcommand{ }{\tracingcommands}
1044 \eqcommand{ }{\tracinglostchars}
1045 \eqcommand{ }{\tracingmacros}
1046 \eqcommand{ }{\tracingonline}
1047 \eqcommand{ }{\tracingoutput}
1048 \eqcommand{ }{\tracingpages}
1049 \eqcommand{ }{\tracingparagraphs}
1050 \eqcommand{ }{\tracingrestores}
1051 \eqcommand{ }{\tracingstats}
1052 \eqcommand{ }{\triangle}
1053 \eqcommand{ }{\ttdefault}
1054 \eqcommand{ }{\ttfamily}

```



```

1055 \eqcommand{ @}{tw@}
1056 \eqcommand{ }{twocolumn}
1057 \eqcommand{ }{typein}
1058 \eqcommand{ }{typeout}
1059 \eqcommand{ }{uccode}
1060 \eqcommand{ }{uchyph}
1061 \eqcommand{ }{underline}
1062 \eqcommand{ }{unhbox}
1063 \eqcommand{ }{unhcopy}
1064 \eqcommand{ }{unitlength}
1065 \eqcommand{ }{unkern}
1066 \eqcommand{ }{unpenalty}
1067 \eqcommand{ }{unskip}
1068 \eqcommand{ }{unvbox}
1069 \eqcommand{ }{unvcopy}
1070 \eqcommand{ }{updefault}
1071 \eqcommand{ }{upshape}
1072 \eqcommand{ }{usebox}
1073 \eqcommand{ }{usecounter}
1074 \eqcommand{ }{usefont}
1075 \eqcommand{ }{usepackage}
1076 \eqcommand{@ }{@vobeyspaces}
1077 \eqcommand{@ }{@void}
1078 \eqcommand{ }{vadjust}
1079 \eqcommand{ }{valign}
1080 \eqcommand{ }{value}
1081 \eqcommand{ }{vbadness}
1082 \eqcommand{ }{vbox}
1083 \eqcommand{ }{vcenter}
1084 \eqcommand{ }{verb}
1085 \eqcommand{ }{vfil}
1086 \eqcommand{ }{vfill}
1087 \eqcommand{ }{vfildneg}
1088 \eqcommand{ }{vfuzz}
1089 \eqcommand{ }{visible}
1090 \eqcommand{ }{vline}
1091 \eqcommand{ }{voffset}
1092 \eqcommand{@ }{voidb@x}
1093 \eqcommand{ }{vpageref}
1094 \eqcommand{ }{vrboxsep}
1095 \eqcommand{ }{vref}
1096 \eqcommand{ }{vrule}
1097 \eqcommand{ }{vsize}
1098 \eqcommand{ }{vskip}
1099 \eqcommand{ }{vspace}
1100 \eqcommand{ }{vsplit}
1101 \eqcommand{ }{vss}
1102 \eqcommand{ }{vtop}
1103 \eqcommand{ }{wd}
1104 \eqcommand{ }{whiledo}
1105 \eqcommand{ }{widehat}
1106 \eqcommand{ }{widetilde}
1107 \eqcommand{ }{widowpenalty}
1108 \eqcommand{ }{width}

```




```

1109 \eqcommand{      }{wlog}
1110 \eqcommand{      }{write}
1111 \eqcommand{@      }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{      }{xdef}
1114 \eqcommand{      }{xleaders}
1115 \eqcommand{      }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@      }{z@skip}

```

19 File color-localise-xepersian.def

```

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

```

20 File xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{      }{autofootnoterule}
1130 \eqcommand{      }{AutoMathDigits}
1131 \eqcommand{      }{DefaultMathDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{      }{deflatinfont}
1134 \eqcommand{      }{defpersianfont}
1135 \eqcommand{      }{hboxL}
1136 \eqcommand{      }{hboxR}
1137 \eqcommand{      }{Latincite}
1138 \eqcommand{      }{latinfont}
1139 \eqcommand{      }{latintoday}
1140 \eqcommand{      }{leftfootnoterule}
1141 \eqcommand{      }{lr}
1142 \eqcommand{      }{LRE}
1143 \eqcommand{      }{LTRdblcol}
1144 \eqcommand{      }{LTRfootnote}
1145 \eqcommand{      }{LTRfootnotetext}
1146 \eqcommand{      }{LTRthanks}
1147 \eqcommand{      }{persianday}
1148 \eqcommand{      }{persianfont}
1149 \eqcommand{      }{PersianMathDigits}
1150 \eqcommand{      }{persianmonth}
1151 \eqcommand{      }{persianyear}
1152 \eqcommand{      }{plq}
1153 \eqcommand{      }{prq}
1154 \eqcommand{      }{rightfootnoterule}
1155 \eqcommand{      }{rl}
1156 \eqcommand{      }{RLE}

```



```

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

```

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{
1190   \ifx \entemp\@def\@tempa{\@enLabel\harfi } \else
1191   \ifx \entemp\@def\@tempa{\@enLabel\adadi } \else
1192   \ifx \entemp\@def\@tempa{\@enLabel\tartibi } \else
1193   \ifx \A\@entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx \a\@entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx \i\@entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx \I\@entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx \l\@entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1200   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther
1202   \@enhook
1203   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204   \@tempa}

```

```

1205 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1206 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1207 \AddEnumerateCounter*\adadi\@adadi{999999999}
1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }
1211 \SetEnumerateShortLabel{ }\{\tartibi*\}
1212 \SetEnumerateShortLabel{ }\{\adadi*\}
1213 \SetEnumerateShortLabel{ }\{\harfi*\}
1214 \SetEnumerateShortLabel{ }\{\Abjad*\}
1215 \SetEnumerateShortLabel{ }\{\abjad*\}

```

23 File latex-localise-environments-xepersian.def

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation]
1217 \eqenvironment{ }\{abstract\}
1218 \eqenvironment{ }\{appendix\}
1219 \eqenvironment{ }\{array\}
1220 \eqenvironment{ }\{center\}
1221 \eqenvironment{ }\{description\}
1222 \eqenvironment{ }\{displaymath\}
1223 \eqenvironment{ }\{document\}
1224 \eqenvironment{ }\{enumerate\}
1225 \eqenvironment{ }\{figure\}
1226 \eqenvironment{ *}\{figure*\}
1227 \eqenvironment{ }\{filecontents\}
1228 \eqenvironment{ *}\{filecontents*\}
1229 \eqenvironment{ }\{flushleft\}
1230 \eqenvironment{ }\{flushright\}
1231 \eqenvironment{ }\{itemize\}
1232 \eqenvironment{ }\{letter\}
1233 \eqenvironment{ }\{list\}
1234 \eqenvironment{ }\{longtable\}
1235 \eqenvironment{ }\{lrbox\}
1236 \eqenvironment{ }\{math\}
1237 \eqenvironment{ }\{matrix\}
1238 \eqenvironment{ }\{minipage\}
1239 \eqenvironment{ }\{multline\}
1240 \eqenvironment{ }\{note\}
1241 \eqenvironment{ }\{overlay\}
1242 \eqenvironment{ }\{picture\}
1243 \eqenvironment{ }\{quotation\}
1244 \eqenvironment{ }\{quote\}
1245 \eqenvironment{ }\{slide\}
1246 \eqenvironment{ }\{sloppypar\}
1247 \eqenvironment{ }\{split\}
1248 \eqenvironment{ }\{subarray\}
1249 \eqenvironment{ }\{tabbing\}
1250 \eqenvironment{ }\{table\}
1251 \eqenvironment{ *}\{table*\}
1252 \eqenvironment{ }\{tabular\}
1253 \eqenvironment{ *}\{tabular*\}
1254 \eqenvironment{ }\{thebibliography\}
1255 \eqenvironment{ }\{theindex\}

```



```

1256 \eqenvironment{    }{titlepage}
1257 \eqenvironment{    }{trivlist}
1258 \eqenvironment{    }{verse}

```

24 File xepersian-localise-environments-xepersian.def

```

1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localis
1260 \eqenvironment{    }{latin}
1261 \eqenvironment{    }{LTR}
1262 \eqenvironment{    }{LTRitems}
1263 \eqenvironment{    }{modernpoem}
1264 \eqenvironment{    *}{modernpoem*}
1265 \eqenvironment{    }{persian}
1266 \eqenvironment{    }{RTL}
1267 \eqenvironment{    }{RTLitems}
1268 \eqenvironment{    }{traditionalpoem}
1269 \eqenvironment{    *}{traditionalpoem*}

```

25 File extarticle-xepersian.def

```

1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart    {\@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273   \setcounter{section}{0}%
1274   \setcounter{subsection}{0}%
1275   \gdef\thesection{\@harfi\c@section}}

```

26 File extbook-xepersian.def

```

1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278   \cleardoublepage
1279   \@mainmatterfalse
1280   \pagenumbering{harfi}}
1281 \renewcommand \thepart {\@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283   \setcounter{chapter}{0}%
1284   \setcounter{section}{0}%
1285   \gdef\@chapapp{\appendixname}%
1286   \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix

```

27 File extrafootnotefeatures-xepersian.def

```

1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extra
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

28 File extreport-xepersian.def

```

1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart    {\@tartibi\c@part}
1294 \renewcommand\appendix{\par

```



```

1295 \setcounter{chapter}{0}%
1296 \setcounter{section}{0}%
1297 \gdef\@chapapp{\appendixname}%
1298 \gdef\thechapter{\@harfi\c@chapter}}

```

29 File fancyref-xepersian.def

```

1299 \ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package]
1300 \renewcommand*{\Frefchapname}{\chaptername}
1301 \renewcommand*{\Frefenumname}{%
1302   \if@RTL
1303   %
1304   \else
1305     Item%
1306   \fi
1307 }
1308 \renewcommand*{\Frefeqname}{%
1309   \if@RTL
1310   %
1311   \else
1312     Equation%
1313   \fi
1314 }
1315 \renewcommand*{\Freffigname}{\figurename}
1316 \renewcommand*{\Freffnname}{%
1317   \if@RTL
1318   %
1319   \else
1320     Footnote%
1321   \fi
1322 }
1323 \renewcommand*{\Frefonname}{%
1324   \if@RTL
1325   %
1326   \else
1327     On%
1328   \fi
1329 }
1330 \renewcommand*{\Frefpgname}{\pagename}
1331 \renewcommand*{\Frefsecname}{%
1332   \if@RTL
1333   %
1334   \else
1335     Section%
1336   \fi
1337 }
1338 \renewcommand*{\Frefseename}{%
1339   \if@RTL
1340   %
1341   \else
1342     See%
1343   \fi
1344 }
1345 \renewcommand*{\Freftablename}{\tablename}

```



```

1346 \renewcommand*{\Freffigshortname}{%
1347   \if@RTL
1348     \Freffigname
1349   \else
1350     Fig.%
1351   \fi
1352 }
1353 \renewcommand*{\Frefpgshortname}{%
1354   \if@RTL
1355     \Frefpgname
1356   \else
1357     P.%
1358   \fi
1359 }
1360 \renewcommand*{\Freftabshortname}{%
1361   \if@RTL
1362     \tablename
1363   \else
1364     Tab.%
1365   \fi
1366 }
1367 \renewcommand*{\frefchapname}{%
1368   \if@RTL
1369     \Frefchapname
1370   \else
1371     \MakeLowercase{\Frefchapname}%
1372 \fi
1373 }
1374 \renewcommand*{\frefenumname}{%
1375   \if@RTL
1376     \Frefenumname
1377   \else
1378     \MakeLowercase{\Frefenumname}%
1379   \fi
1380 }
1381 \renewcommand*{\frefeqname}{%
1382   \if@RTL
1383     \Frefeqname
1384   \else
1385     \MakeLowercase{\Frefeqname}%
1386   \fi
1387 }
1388 \renewcommand*{\freffigname}{%
1389   \if@RTL
1390     \Freffigname
1391   \else
1392     \MakeLowercase{\Freffigname}%
1393   \fi
1394 }
1395 \renewcommand*{\freffnname}{%
1396   \if@RTL
1397     \Freffnname
1398   \else
1399     \MakeLowercase{\Freffnname}%

```



```

1400 \fi
1401 }
1402 \renewcommand*{\frefonname}{%
1403 \if@RTL
1404 \Frefonname
1405 \else
1406 \MakeLowercase{\Frefonname}%
1407 \fi
1408 }
1409 \renewcommand*{\frefpgname}{%
1410 \if@RTL
1411 \Frefpgname
1412 \else
1413 \MakeLowercase{\Frefpgname}%
1414 \fi
1415 }
1416 \renewcommand*{\frefsecname}{%
1417 \if@RTL
1418 \Frefsecname
1419 \else
1420 \MakeLowercase{\Frefsecname}%
1421 \fi
1422 }
1423 \renewcommand*{\frefseename}{%
1424 \if@RTL
1425 \Frefseename
1426 \else
1427 \MakeLowercase{\Frefseename}%
1428 \fi
1429 }
1430 \renewcommand*{\frefstabname}{%
1431 \if@RTL
1432 \Frefstabname
1433 \else
1434 \MakeLowercase{\Frefstabname}%
1435 \fi
1436 }
1437 \renewcommand*{\freffigshortname}{%
1438 \if@RTL
1439 \Freffigshortname
1440 \else
1441 \MakeLowercase{\Freffigshortname}%
1442 \fi
1443 }
1444 \renewcommand*{\frefpgshortname}{%
1445 \if@RTL
1446 \Frefpgshortname
1447 \else
1448 \MakeLowercase{\Frefpgshortname}%
1449 \fi
1450 }
1451 \renewcommand*{\frefstabshortname}{%
1452 \if@RTL
1453 \Frefstabshortname

```



```

1454 \else
1455   \MakeLowercase{\Freftabshortname}%
1456 \fi
1457 }

```

30 File footnote-xepersian.def

```

1458 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1459
1460 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1461
1462 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1463
1464 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1465

```

31 File framed-xepersian.def

```

1466 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1467 \renewenvironment{titled-frame}[1]{%
1468   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1469     \TitleBarFrame{\textbf{#1}}}%
1470   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1471     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1472   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1473     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1474   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1475     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1476   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1477 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1478 % could interfere with the width measurement.
1479 {\endMakeFramed}

```

32 File glossaries-xepersian.def

```

1480 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries]
1481 \glsaddprotectedpagefmt{@harfi}
1482 \glsaddprotectedpagefmt{@tartibi}
1483 \glsaddprotectedpagefmt{@adadi}

```

33 File hyperref-xepersian.def

```

1484 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1485 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1486 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1487 \def\itemautorefname{\if@RTL else\ item\fi}%
1488 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1489 \def\tableautorefname{\if@RTL else\ Table\fi}%
1490 \def\partautorefname{\if@RTL else\ Part\fi}%
1491 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1492 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1493 \def\sectionautorefname{\if@RTL else\ section\fi}%
1494 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1495 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%

```




```

1496 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1497 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1498 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1499 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1500 \def\pageautorefname{\if@RTL else\ page\fi}%
1501 \AtBeginDocument{%
1502 \let\HyOrg@appendix\appendix
1503 \def\appendix{%
1504 \ltx@ifundefined{chapter}%
1505 {\gdef\theHsection{\Alph{section}}}%
1506 {\gdef\theHchapter{\Alph{chapter}}}%
1507 \xdef\Hy@chapapp{\Hy@appendixstring}%
1508 \HyOrg@appendix
1509 }
1510 }
1511 \pdfstringdefDisableCommands{%
1512 \let\lr\@firstofone
1513 \let\rl\@firstofone
1514 \def\XePersian{\XePersian}
1515 }
1516 \ltx@ifundefined{@resets@pp}{%
1517 }{%
1518 \let\HyOrg@resets@pp\@resets@pp
1519 \def\@resets@pp{%
1520 \ltx@ifundefined{chapter}{%
1521 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1522 }{%
1523 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1524 }%
1525 \xdef\Hy@chapapp{\Hy@appendixstring}%
1526 \HyOrg@resets@pp
1527 }%
1528 }

```

34 File imspdoc-xepersian.def

```

1529 \ProvidesFile{imspdoc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspdoc class
1530
1531 \renewcommand \thepart {\@tartibi\c@part}
1532 \def\appendix{\par\c@section\z@ \c@subsection\z@
1533 \let\sectionname\appendixname
1534 \def\thesection{\@harfi\c@section}}
1535

```

35 File kashida-xepersian.def

```

1536 \ProvidesFile{kashida-xepersian.def}[2020/05/16 v0.8 implementation of Kashida for xepersian
1537 %
1538 % The new changes is minimal and only cosmetic; To resolve the
1539 % issue properly, I will be studying TeX line breaking algorithms and
1540 % experiment to see how much of it I can mimic. The idea of using
1541 % a rule or even a box is awful and it breaks a lot of things. The ideal
1542 % solution is to insert Kashida without any rules or boxes or if
1543 % the font offers the alternative forms, it can be used for Kashida.

```



```

1544 % Unfortunately, computing the stretch using the \pdfsavepos and
1545 % \pdflastxpos primitives from the PDFTeX engine is bad and
1546 % impractical for several reasons. The process is extremely
1547 % slow and requires at least two runs of TeX. On a particular line,
1548 % we need to write to the aux file at least 10 times, on a page we
1549 % have on average around 10 lines and hence, for a 100 pages
1550 % document, we have to do this 10,000 times. These statistics are
1551 % very modest. On the other hand, if we reach max count (which is
1552 % very likely), then we have to do some devious things.
1553 %
1554 \chardef\xepersian@zwj="200D % zero-width joiner
1555 \chardef\xepersian@lrm="200E % left to right mark
1556 \chardef\xepersian@kashidachar="0640 % kashida
1557
1558 \chardef\xepersian@D=10 % dual-joiner class
1559 \chardef\xepersian@L=11 % lam
1560 \chardef\xepersian@R=12 % right-joiner
1561 \chardef\xepersian@A=13 % alef
1562 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1563 \newif\if@Kashida@on
1564 \def\xepersian@kashida{%
1565   \if@Kashida@on
1566     \xepersian@zwj
1567     \xepersian@lrm
1568     \nobreak
1569     \leaders\hrule height \XeTeXglyphbounds\tw@
1570     \the\XeTeXcharglyph\xepersian@kashidachar
1571     depth \XeTeXglyphbounds\f@ur
1572     \the\XeTeXcharglyph\xepersian@kashidachar
1573     \hskipOpt plus 0.5em
1574 %   \dimexpr \fontcharwd\font\xepersian@kashidachar -
1575 %   \XeTeXglyphbounds@one
1576 %   \the\XeTeXcharglyph\xepersian@kashidachar -
1577 %   \XeTeXglyphbounds\thr@@
1578 %   \the\XeTeXcharglyph\xepersian@kashidachar \relax
1579     \xepersian@zwj
1580   \fi
1581 }
1582
1583 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1584   \expandafter\dosetclass\charlist,\end}
1585 \def\dosetclass#1,#2\end{%
1586   \def\test{#1}\def\charlist{#2}%
1587   \ifx\test\empty\let\next\finishsetclass
1588   \else \XeTeXcharclass "\test = \theclass
1589     \let\next\dosetclass \fi
1590   \expandafter\next\charlist,,\end}
1591 \def\finishsetclass#1,,\end{}
1592
1593 \setclass \xepersian@A {0622,0623,0625,0627}
1594 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1595 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1596 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1597 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}

```



```

1598 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1599 \setclass \xepersian@L {0644}
1600 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1601
1602 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1603 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1604 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1605 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1606 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1607 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1608 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1609 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1610
1611 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1612 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1613
1614 \KashidaOn

```

36 File listings-xepersian.def

```

1615 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1616 \def\lstlistingname{\if@RTL else\ Listing\fi}
1617 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

37 File loadingorder-xepersian.def

```

1618 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the last]
1619 \bidi@isloaded{algorithmic}
1620 \bidi@isloaded{algorithm}
1621 \bidi@isloaded{backref}
1622 \bidi@isloaded{enumerate}
1623 \bidi@isloaded{enumitem}
1624 \bidi@isloaded{fancyref}
1625 \bidi@isloaded{tocloft}
1626 \bidi@isloaded{url}
1627 \bidi@isloaded{varioref}
1628 \AtBeginDocument{
1629   \if@bidi@algorithmicloaded@else
1630     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1631   \fi%
1632   \if@bidi@algorithmloaded@else
1633     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1634   \fi%
1635   \if@bidi@backrefloaded@else
1636     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1637   \fi%
1638   \if@bidi@enumerateloaded@else
1639     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1640   \fi%
1641   \if@bidi@enumitemloaded@else
1642     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1643   \fi%
1644   \if@bidi@fancyrefloaded@else
1645     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]

```



```

1646 \fi%
1647 \if@bidi@tocloftloaded@else
1648 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1649 \fi%
1650 \if@bidi@urlloaded@else
1651 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1652 \fi%
1653 \if@bidi@variorefloaded@else
1654 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1655 \fi%
1656 }

```

38 File localise-xepersian.def

```

1657 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1658 \newcommand{\makezwnjletter}{\catcode`\relax}
1659 \makezwnjletter
1660 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1661 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1662 \ifpackageloaded{keyval}{%
1663 \newcommand*\keyval@eq@alias@key[4][KV]{%
1664 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1665 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1666 }{\ifpackageloaded{xkeyval}{%
1667 \newcommand*\keyval@eq@alias@key[4][KV]{%
1668 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1669 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1670 }{}}
1671 \input{latex-localise-commands-xepersian.def}
1672 \input{xepersian-localise-commands-xepersian.def}
1673 \input{latex-localise-environments-xepersian.def}
1674 \input{xepersian-localise-environments-xepersian.def}
1675 \input{latex-localise-messages-xepersian.def}
1676 \input{latex-localise-misc-xepersian.def}
1677 \input{packages-localise-xepersian.def}
1678 \aliasfontfeature{ExternalLocation}{ }
1679 \aliasfontfeature{Path}{ }
1680 \aliasfontfeature{Renderer}{ }
1681 \aliasfontfeature{BoldFont}{ }
1682 \aliasfontfeature{Language}{ }
1683 \aliasfontfeature{Script}{ }
1684 \aliasfontfeature{UprightFont}{ }
1685 \aliasfontfeature{ItalicFont}{ }
1686 \aliasfontfeature{BoldItalicFont}{ }
1687 \aliasfontfeature{SlantedFont}{ }
1688 \aliasfontfeature{BoldSlantedFont}{ }
1689 \aliasfontfeature{SmallCapsFont}{ }
1690 \aliasfontfeature{UprightFeatures}{ }
1691 \aliasfontfeature{BoldFeatures}{ }
1692 \aliasfontfeature{ItalicFeatures}{ }
1693 \aliasfontfeature{BoldItalicFeatures}{ }
1694 \aliasfontfeature{SlantedFeatures}{ }
1695 \aliasfontfeature{BoldSlantedFeatures}{ }
1696 \aliasfontfeature{SmallCapsFeatures}{ }

```



```

1697 \aliasfontfeature{SizeFeatures}{      }
1698 \aliasfontfeature{Scale}{      }
1699 \aliasfontfeature{WordSpace}{      }
1700 \aliasfontfeature{PunctuationSpace}{  }
1701 \aliasfontfeature{FontAdjustment}{    }
1702 \aliasfontfeature{LetterSpace}{      }
1703 \aliasfontfeature{HyphenChar}{      }
1704 \aliasfontfeature{Color}{      }
1705 \aliasfontfeature{Opacity}{      }
1706 \aliasfontfeature{Mapping}{      }
1707 \aliasfontfeature{Weight}{      }
1708 \aliasfontfeature{Width}{      }
1709 \aliasfontfeature{OpticalSize}{      }
1710 \aliasfontfeature{FakeSlant}{      }
1711 \aliasfontfeature{FakeStretch}{      }
1712 \aliasfontfeature{FakeBold}{      }
1713 \aliasfontfeature{AutoFakeSlant}{      }
1714 \aliasfontfeature{AutoFakeBold}{      }
1715 \aliasfontfeature{Ligatures}{      }
1716 \aliasfontfeature{Alternate}{      }
1717 \aliasfontfeature{Variant}{      }
1718 \aliasfontfeature{Variant}{      }
1719 \aliasfontfeature{CharacterVariant}{  }
1720 \aliasfontfeature{Style}{      }
1721 \aliasfontfeature{Annotation}{      }
1722 \aliasfontfeature{RawFeature}{      }
1723 \aliasfontfeature{CharacterWidth}{    }
1724 \aliasfontfeature{Numbers}{      }
1725 \aliasfontfeature{Contextuals}{      }
1726 \aliasfontfeature{Diacritics}{      }
1727 \aliasfontfeature{Letters}{      }
1728 \aliasfontfeature{Kerning}{      }
1729 \aliasfontfeature{VerticalPosition}{  }
1730 \aliasfontfeature{Fractions}{      }
1731 \aliasfontfeatureoption{Language}{Default}{  }
1732 \aliasfontfeatureoption{Language}{Persian}{  }
1733 \aliasfontfeatureoption{Script}{Persian}{  }
1734 \aliasfontfeatureoption{Script}{Latin}{  }
1735 \aliasfontfeatureoption{Style}{MathScript}{  }
1736 \aliasfontfeatureoption{Style}{MathScriptScript}{  }

```

39 File memoir-xepersian.def

```

1737 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1738 \renewcommand{\@memfront}{%
1739   \smemfront\pagenumbering{harfi}}
1740 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1741 \renewcommand*{\thebook}{\@tartibi\c@book}
1742 \renewcommand*{\thepart}{\@tartibi\c@part}
1743 \renewcommand{\appendix}{\par
1744   \setcounter{chapter}{0}%
1745   \setcounter{section}{0}%
1746   \gdef\@chapapp{\appendixname}%
1747   \gdef\thechapter{\@harfi\c@chapter}%

```



1748 \anappendixtrue}

40 File latex-localise-messages-xepersian.def

1749 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

41 File minitoc-xepersian.def

```
1750 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1751 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1752 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1753 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1754 \def\mtctitle{\if@RTL else\ Contents\fi}%
1755 \def\mlfttitle{\if@RTL else\ Figures\fi}%
1756 \def\mltttitle{\if@RTL else\ Tables\fi}%
1757 \def\stctitle{\if@RTL else\ Contents\fi}%
1758 \def\slfttitle{\if@RTL else\ Figures\fi}%
1759 \def\slttitle{\if@RTL else\ Tables\fi}%
```

42 File latex-localise-misc-xepersian.def

```
1760 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
1761 %}1# \ \
1762 \ @ \ @ \ \
1763 \1# \
1764 \1# @\
1765 \1# @\
1766 { @ \ \
1767 %}2#1# @\ \
1768 %1# \ @\ \ \ \ \
1769 \2# \ @\ \
1770 {{2#1# \}}
1771 undefined\ \ \
1772
1773 % { \ \ \ \1#} \ \} \1# \ \
1774 \ { \ \ \ \
1775 \ \ \ \
1776
1777
1778 \ \ \ \%} \#1
1779 \1#} \ \ \% \
1780 \ \ \ \
1781 }%
1782 \
1783 \ \ \ \
1784 }
1785 \ = \ \
1786
1787
1788 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1789 \def\@xfloat #1[#2]{%
1790 \nodocument
1791 \def \@capttype {#1}%
1792 \def \@fps {#2}%
```



```

1793 \@onelevel@sanitize \@fps
1794 \def \reserved@b {!}%
1795 \ifx \reserved@b \@fps
1796   \@fpsadddefault
1797 \else
1798   \ifx \@fps \@empty
1799     \@fpsadddefault
1800   \fi
1801 \fi
1802 \ifhmode
1803   \@bsphack
1804   \@floatpenalty -\@Mii
1805 \else
1806   \@floatpenalty-\@Miii
1807 \fi
1808 \ifinner
1809   \@parmoderr\@floatpenalty\z@
1810 \else
1811   \@next\@currbox\@freelist
1812   {%
1813     \@tempcnta \sixt@@n
1814     \expandafter \@tfor \expandafter \reserved@a
1815       \expandafter : \expandafter =\@fps
1816     \do
1817     {%
1818       \if \reserved@a h%
1819         \ifodd \@tempcnta
1820         \else
1821           \advance \@tempcnta \@ne
1822         \fi
1823       \fi
1824       \if \reserved@a %
1825         \ifodd \@tempcnta
1826         \else
1827           \advance \@tempcnta \@ne
1828         \fi
1829       \fi
1830       \if \reserved@a t%
1831         \@setfpsbit \tw@
1832       \fi
1833       \if \reserved@a %
1834         \@setfpsbit \tw@
1835       \fi
1836       \if \reserved@a b%
1837         \@setfpsbit 4%
1838       \fi
1839       \if \reserved@a %
1840         \@setfpsbit 4%
1841       \fi
1842       \if \reserved@a p%
1843         \@setfpsbit 8%
1844       \fi
1845       \if \reserved@a %
1846         \@setfpsbit 8%

```



```

1847         \fi
1848         \if \reserved@a !%
1849             \ifnum \@tempcnta>15
1850                 \advance\@tempcnta -\sixt@@n\relax
1851             \fi
1852         \fi
1853     }%
1854     \@tempcntb \csname ftype@\@capttype \endcsname
1855     \multiply \@tempcntb \@xxxii
1856     \advance \@tempcnta \@tempcntb
1857     \global \count\@currbox \@tempcnta
1858     }%
1859     \@fltovf
1860 \fi
1861 \global \setbox\@currbox
1862     \color@vbox
1863     \normalcolor
1864     \vbox \bgroup
1865         \hsize\columnwidth
1866         \@parboxrestore
1867         \@floatboxreset
1868 }
1869 \let\bm@ \bm@c
1870 \let\bm@ \bm@l
1871 \let\bm@ \bm@r
1872 \let\bm@ \bm@b
1873 \let\bm@ \bm@t
1874 \let\bm@ \bm@s
1875 \long\def\@iiiparbox#1#2[#3]#4#5{%
1876     \leavevmode
1877     \@pboxswfalse
1878     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1879     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1880     \setlength\@tempdima{#4}%
1881     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1882     \ifx\relax#2\else
1883         \setlength\@tempdimb{#2}%
1884         \edef\@parboxto{to\the\@tempdimb}%
1885     \fi
1886     \if#1b\vbox
1887     \else\if#1\vbox
1888     \else\if #1t\top
1889     \else\if vtop\ #1
1890     \else\if mmode\center
1891     \else\@pboxswtrue $\center
1892     \fi\fi\fi\fi\fi
1893     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1894         \csname bm@#3\endcsname}%
1895     \if@pboxsw \m@th$\fi
1896     \@end@tempboxa}
1897 \def\@iiiminipage#1#2[#3]#4{%
1898     \leavevmode
1899     \@pboxswfalse
1900     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi

```




```

1901 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\el
1902 \setlength\@tempdima{#4}%
1903 \def\@mpargs{#1}{#2}{#3}{#4}}%
1904 \setbox\@tempboxa\vbox\bgroup
1905 \color@begingroup
1906 \hsize\@tempdima
1907 \textwidth\hsize \columnwidth\hsize
1908 \@parboxrestore
1909 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1910 \let\@footnotetext\@mpfootnotetext
1911 \let\@LTRfootnotetext\@mpLTRfootnotetext
1912 \let\@RTLfootnotetext\@mpRTLfootnotetext
1913 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1914 \@minipagerestore
1915 \setminipage}
1916 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1917 \ifnum \@lastchclass=3 5 \else
1918 \z@ \if #1c\@chnum \z@ \else
1919 \if chnum@ \#1 \z@ \else
1920 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1921 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1922 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1923 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1924 \@chclass \if #1|\@ne \else
1925 \if #1@\tw@ \else
1926 \if #1p3 \else
1927 \if 3#1 \else \z@ \@preamerr 0\fi
1928 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1929 \fi}%
1930 {}
1931 \ifdefinitionfileloaded{array-xetex-bidi}{%
1932 \def\@testpach{\@chclass
1933 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1934 \ifnum \@lastchclass=7 5 \else
1935 \ifnum \@lastchclass=8 \tw@ \else
1936 \ifnum \@lastchclass=9 \thr@@
1937 \else \z@
1938 \ifnum \@lastchclass = 10 \else
1939 \edef\@nextchar{\expandafter\string\@nextchar}%
1940 \@chnum
1941 \if \@nextchar c\z@ \else
1942 \if \@nextchar @\ \else
1943 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1944 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1945 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1946 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1947 \z@ \@chclass
1948 \if\@nextchar |\@ne \else
1949 \if \@nextchar !6 \else
1950 \if \@nextchar @7 \else
1951 \if \@nextchar <8 \else
1952 \if \@nextchar >9 \else
1953 10
1954 \@chnum

```



```

1955 \if \@nextchar m\thr@@\else
1956 \if \@nextchar thr@@\else\
1957 \if \@nextchar p4 \else
1958 \if \@nextchar 4 \else
1959 \if \@nextchar b5 \else
1960 \if \@nextchar 5 \else
1961 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1962 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1963 }-{}
1964 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1965 \ifadlusingarypkg
1966 \def\@testpach{\@chclass
1967 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1968 \ifnum \@lastchclass=7 5 \else
1969 \ifnum \@lastchclass=8 \tw@ \else
1970 \ifnum \@lastchclass=9 \thr@@
1971 \else \z@
1972 \ifnum \@lastchclass = 10 \else
1973 \edef\@nextchar{\expandafter\string\@nextchar}%
1974 \@chnum
1975 \if \@nextchar c\z@ \else
1976 \if \@nextchar @z\ \else
1977 \if \@nextchar \ifRTLTtab r\else l\fi\@ne \else
1978 \if \@nextchar \ifRTLTtab else\ fi\@ne\ \else
1979 \if \@nextchar \ifRTLTtab l\else r\fi\@ne \else
1980 \if \@nextchar \ifRTLTtab else\ @fi\@ne\ \else
1981 \z@ \@chclass
1982 \if\@nextchar \|\@ne \let\@arrayrule\adl@arrayrule \else
1983 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1984 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1985 \if \@nextchar !6 \else
1986 \if \@nextchar @7 \else
1987 \if \@nextchar <8 \else
1988 \if \@nextchar >9 \else
1989 10
1990 \@chnum
1991 \if \@nextchar m\thr@@\else
1992 \if \@nextchar thr@@\else\
1993 \if \@nextchar p4 \else
1994 \if \@nextchar 4 \else
1995 \if \@nextchar b5 \else
1996 \if \@nextchar 5 \else
1997 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
1998 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1999
2000 \def\@classz{\@classx
2001 \@tempcnta \count@
2002 \prepnext@tok
2003 \@addtopreamble{\ifcase \@chnum
2004 \hfil
2005 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2006 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2007 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2008 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column

```



```

2009      \adl@endmbox\or
2010      \setbox\adl@box\top \startpbox{\@nextchar}\insert@column \endpbox \or
2011      \setbox\adl@box\box \startpbox{\@nextchar}\insert@column \endpbox
2012      \fi}\prepnext@tok}
2013 \def\adl@class@start{4}
2014 \def\adl@class@iiiorvii{7}
2015
2016 \else
2017 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2018      \ifnum \@lastchclass=\thr@@ 5\relax \else
2019      \z@ \if #1c\@chnum \z@ \else
2020      \if @chnum\z@\ #1 \else
2021      \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2022      \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2023      \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2024      \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2025      \@chclass
2026      \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2027      \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2028      \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2029      \if #1@\tw@ \else
2030      \if #1p\thr@@ \else
2031      \if @thr\ #1 \else\z@ \@preamerr 0\fi
2032      \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2033
2034 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2035      \or \or \@addamp \or
2036      \@acolampacol \or \@firststampfalse \@acol \fi
2037      \edef\@preamble{\@preamble
2038      \ifcase \@chnum
2039      \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2040      \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2041      \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2042 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2043      \or \or \@addamp \or
2044      \@acolampacol \or \@firststampfalse \@acol \fi
2045      \edef\@preamble{\@preamble
2046      \ifcase \@chnum
2047      \hfil\adl@putlrc{\@sharp\unskip}\hfil
2048      \or \adl@putlrc{\@sharp\unskip}\hfil
2049      \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2050 \def\adl@class@start{6}
2051 \def\adl@class@iiiorvii{3}
2052 \fi
2053 }{}
2054 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2055 \def\@testpach{\@chclass
2056 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2057 \ifnum \@lastchclass=7 5 \else
2058 \ifnum \@lastchclass=8 \tw@ \else
2059 \ifnum \@lastchclass=9 \thr@@
2060 \else \z@
2061 \ifnum \@lastchclass = 10 \else
2062 \edef\@nextchar{\expandafter\string\@nextchar}%

```



[illegible]

```

2117 \ignorespaces}
2118 }{}
2119 \begingroup \catcode `|=0 \catcode `[= 1
2120 \catcode`=2 \catcode `={12 \catcode `}=12
2121 \catcode`\=12 \gdef|@x@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2122 \gdef|@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2123 \endgroup
2124 \def\ { \@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2125 \def\end { \if@newlist \leavevmode\fi\endtrivlist}
2126 \ExplSyntaxOn
2127 \AtBeginDocument{\@namedef{ *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2128 \ExplSyntaxOff
2129 \expandafter\let\csname end * \endcsname =\end

```

43 File natbib-xepersian.def

```

2130 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2131 \renewcommand\NAT@set@cites{%
2132   \ifNAT@numbers
2133     \ifNAT@super \let\@cite\NAT@citesuper
2134     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2135     \let\citeyearpar=\citeyear
2136     \let\NAT@space\relax
2137     \def\NAT@super@kern{\kern\p@}%
2138   \else
2139     \let\NAT@mbox=\mbox
2140     \let\@cite\NAT@citenum
2141     \let\NAT@space\NAT@spacechar
2142     \let\NAT@super@kern\relax
2143   \fi
2144   \let\@citex\NAT@citexnum
2145   \let\@Latincitex\NAT@Latin@citexnum
2146   \let\@biblabel\NAT@biblabelnum
2147   \let\@bibsetup\NAT@bibsetnum
2148   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2149   \def\natexlab##1{%
2150     \def\NAT@penalty{\penalty\@m}%
2151   \else
2152     \let\@cite\NAT@cite
2153     \let\@citex\NAT@citex
2154     \let\@Latincitex\NAT@Latin@citex
2155     \let\@biblabel\NAT@biblabel
2156     \let\@bibsetup\NAT@bibsetup
2157     \let\NAT@space\NAT@spacechar
2158     \let\NAT@penalty\@empty
2159     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2160     \def\natexlab##1{##1}%
2161   \fi}
2162 \newcommand\NAT@Latin@citex{}
2163 \def\NAT@Latin@citex%
2164   [#1][#2]#3{%
2165   \NAT@reset@parser
2166   \NAT@sort@cites{#3}%
2167   \NAT@reset@citea

```



```

2168 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2169 \@for\@citeb:=\NAT@cite@list\do
2170 {\@safe@activestru
2171 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2172 \@safe@activesfalse
2173 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2174 {\reset@font\bfseries ?}\NAT@citeundefined
2175 \PackageWarning{natbib}%
2176 {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2177 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2178 \NAT@parse{\@citeb}}%
2179 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2180 \let\NAT@name=\NAT@all@names
2181 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2182 \fi
2183 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2184 \let\NAT@nm\NAT@name\fi
2185 \ifNAT@swa\ifcase\NAT@ctype
2186 \if\relax\NAT@date\relax
2187 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2188 \else
2189 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2190 \ifx\NAT@last@yr\NAT@year
2191 \def\NAT@temp{?}%
2192 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2193 {Multiple citation on page \thepage: same authors and
2194 year\MessageBreak without distinguishing extra
2195 letter,\MessageBreak appears as question mark}\fi
2196 \NAT@hyper@{\NAT@exlab}%
2197 \else\unskip\NAT@spacechar
2198 \NAT@hyper@{\NAT@date}%
2199 \fi
2200 \else
2201 \@citea\NAT@hyper@{%
2202 \NAT@nmfmt{\NAT@nm}%
2203 \hyper@natlinkbreak{%
2204 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2205 }%
2206 \NAT@date
2207 }%
2208 \fi
2209 \fi
2210 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2211 \or\@citea\NAT@hyper@{\NAT@date}%
2212 \or\@citea\NAT@hyper@{\NAT@alias}%
2213 \fi \NAT@def@citea
2214 \else
2215 \ifcase\NAT@ctype
2216 \if\relax\NAT@date\relax
2217 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2218 \else
2219 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2220 \ifx\NAT@last@yr\NAT@year
2221 \def\NAT@temp{?}%

```



```

2222         \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2223         {Multiple citation on page \thepage: same authors and
2224         year\MessageBreak without distinguishing extra
2225         letter,\MessageBreak appears as question mark}\fi
2226         \NAT@hyper@{\NAT@exlab}%
2227     \else
2228         \unskip\NAT@spacechar
2229         \NAT@hyper@{\NAT@date}%
2230     \fi
2231 \else
2232     \@citea\NAT@hyper@{%
2233     \NAT@nmfmt{\NAT@nm}%
2234     \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2235     {\@citeb\@extra@b@citeb}%
2236     \NAT@date
2237 }%
2238 \fi
2239 \fi
2240 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2241 \or\@citea\NAT@hyper@{\NAT@date}%
2242 \or\@citea\NAT@hyper@{\NAT@alias}%
2243 \fi
2244 \if\relax\NAT@date\relax
2245     \NAT@def@citea
2246 \else
2247     \NAT@def@citea@close
2248 \fi
2249 \fi
2250 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2251 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2252 \newcommand\NAT@Latin@citexnum{}
2253 \def\NAT@Latin@citexnum[#1][#2]#3{%
2254     \NAT@reset@parser
2255     \NAT@sort@cites{#3}%
2256     \NAT@reset@citea
2257     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2258     \@for\@citeb:=\NAT@cite@list\do
2259     {\@safe@activestrue
2260     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2261     \@safe@activesfalse
2262     \ifundefined{b@\@citeb\@extra@b@citeb}{%
2263     {\reset@font\bfseries?}
2264     \NAT@citeundefined\PackageWarning{natbib}%
2265     {Citation ``\@citeb' on page \thepage \space undefined}}%
2266     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2267     \NAT@parse{\@citeb}%
2268     \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2269     \let\NAT@name=\NAT@all@names
2270     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2271     \fi
2272     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2273     \let\NAT@nm\NAT@name\fi
2274     \ifNAT@swa
2275     \@ifnum{\NAT@ctype>\@ne}{%

```



```

2276 \citea
2277 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2278 }{%
2279 \@ifnum{\NAT@cmprs>\z@}{%
2280 \NAT@ifcat@num\NAT@num
2281 {\let\NAT@nm=\NAT@num}%
2282 {\def\NAT@nm{-2}}%
2283 \NAT@ifcat@num\NAT@last@num
2284 {\@tempcnta=\NAT@last@num\relax}%
2285 {\@tempcnta\m@ne}%
2286 \@ifnum{\NAT@nm=\@tempcnta}{%
2287 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2288 }{%
2289 \advance\@tempcnta by\@ne
2290 \@ifnum{\NAT@nm=\@tempcnta}{%
2291 \ifx\NAT@last@yr\relax
2292 \def\NAT@last@yr{\@citea}%
2293 \else
2294 \def\NAT@last@yr{--\NAT@penalty}%
2295 \fi
2296 }{%
2297 \NAT@last@yr@mbbox
2298 }%
2299 }%
2300 }{%
2301 \@tempswatrue
2302 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2303 \if@tempswa\NAT@citea@mbbox\fi
2304 }%
2305 }%
2306 \NAT@def@citea
2307 \else
2308 \ifcase\NAT@ctype
2309 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2310 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@@open}%
2311 \fi
2312 \if*#1*\else#1\NAT@spacechar\fi
2313 \NAT@mbbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2314 \NAT@def@citea@box
2315 \or
2316 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2317 \or
2318 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2319 \or
2320 \NAT@hyper@citea@space\NAT@alias
2321 \fi
2322 \fi
2323 }%
2324 }%
2325 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{%
2326 \if\NAT@swa\else
2327 \@ifnum{\NAT@ctype=\z@}{%
2328 \if*#2*\else\NAT@cmt#2\fi
2329 }{%

```




```

2330      \NAT@mbox{\NAT@@close}%
2331      \fi
2332    }{\#1}{\#2}%
2333  }%
2334 \AtBeginDocument{\NAT@set@cites}
2335 \DeclareRobustCommand\Latincite
2336   {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2337    \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2338 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2339   \ifNAT@numbers\else
2340     \NAT@swafalse
2341   \fi
2342   \NAT@@Latin@@citetp[]}}
2343 \newcommand\NAT@@Latin@@citetp{}
2344 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

44 File packages-localise-xepersian.def

```

2345 packages}      \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2346 color}    \}{color}      @\-localise-xepersian.def}}{}
2347 \ifpackageloaded{multicol}{%
2348 \newenvironment{      }{\begin{multicols}}{\end{multicols}}}%
2349 \newenvironment{      *}{\begin{multicols*}}{\end{multicols*}}}%
2350 }{}
2351 \@ifpackageloaded{verbatim}{%
2352 \begingroup
2353   \vrb@catcodes
2354   \lccode`!=`\\ \lccode`[=`\{ \lccode`\]=`\}
2355   \catcode`\~=\active \lccode`\~=\^^M
2356   \lccode`\C=\`C
2357   \lowercase{\endgroup
2358     \def\xepersian@localize@verbatim@start#1{%
2359       \verbatim@startline
2360       \if\noexpand#1\noexpand~%
2361         \let\next\xepersian@localize@verbatim@
2362       \else \def\next{\xepersian@localize@verbatim@#1}\fi
2363       \next}%
2364     \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2365     \def\xepersian@localize@verbatim@@#1!  {%
2366       \verbatim@addtoline{#1}%
2367       \futurelet\next\xepersian@localize@verbatim@@@}%
2368     \def\xepersian@localize@verbatim@@@#1\@nil{%
2369       \ifx\next\@nil
2370         \verbatim@processline
2371         \verbatim@startline
2372         \let\next\xepersian@localize@verbatim@
2373       \else
2374         \def\@tempa##1! \@nil{##1}%
2375         \@temptokena{! }%
2376         \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2377         \fi \next}%
2378     \def\xepersian@localize@verbatim@test#1{%
2379       \let\next\xepersian@localize@verbatim@test
2380       \if\noexpand#1\noexpand~%

```



```

2381         \expandafter\verbatim@addtoline
2382         \expandafter{\the\@temptokena}%
2383         \verbatim@processline
2384         \verbatim@startline
2385         \let\next\xepersian@localize@verbatim@
2386     \else \if\noexpand#1
2387         \@temptokena\expandafter{\the\@temptokena#1}%
2388     \else \if\noexpand#1\noexpand[%
2389         \let\@tempc\@empty
2390         \let\next\xepersian@localize@verbatim@testend
2391     \else
2392         \expandafter\verbatim@addtoline
2393         \expandafter{\the\@temptokena}%
2394         \def\next{\xepersian@localize@verbatim@#1}%
2395     \fi\fi\fi
2396     \next}%
2397 \def\xepersian@localize@verbatim@testend#1{%
2398     \if\noexpand#1\noexpand~%
2399     \expandafter\verbatim@addtoline
2400     \expandafter{\the\@temptokena[]}%
2401     \expandafter\verbatim@addtoline
2402     \expandafter{\@tempc}%
2403     \verbatim@processline
2404     \verbatim@startline
2405     \let\next\xepersian@localize@verbatim@
2406 \else\if\noexpand#1\noexpand]%
2407     \let\next\xepersian@localize@verbatim@@testend
2408 \else\if\noexpand#1\noexpand!%
2409     \expandafter\verbatim@addtoline
2410     \expandafter{\the\@temptokena[]}%
2411     \expandafter\verbatim@addtoline
2412     \expandafter{\@tempc}%
2413     \def\next{\xepersian@localize@verbatim@!}%
2414 \else \expandafter\def\expandafter\@tempc\expandafter
2415     {\@tempc#1}\fi\fi\fi
2416     \next}%
2417 \def\xepersian@localize@verbatim@@testend{%
2418     \ifx\@tempc\@currenvir
2419     \verbatim@finish
2420     \edef\next{\noexpand\end{\@currenvir}%
2421         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2422     \else
2423     \expandafter\verbatim@addtoline
2424     \expandafter{\the\@temptokena[]}%
2425     \expandafter\verbatim@addtoline
2426     \expandafter{\@tempc[]}%
2427     \let\next\xepersian@localize@verbatim@
2428     \fi
2429     \next}%
2430 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2431     \@warning{Characters dropped after `~\string\end{#1}'}\fi}}%
2432 \def\
2433     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2434     \xepersian@localize@verbatim@start}
2435 \def\
2436     *{\begingroup\@verbatim\xepersian@localize@verbatim@start}

```



```

2435 \def\end          {\endtrivlist\endgroup\@doendpe}
2436 \expandafter\let\csname end          *\endcsname =\end
2437 \{}
2438 \ExplSyntaxOn
2439 \AtBeginDocument{
2440   \xepersian_localize_patch_verbatim:
2441 }
2442 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2443   \@ifpackageloaded{verbatim}{
2444     \cs_set:cpn {*          } }
2445     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2446   }
2447 }{
2448 }
2449 }
2450 \ExplSyntaxOff
2451 \@ifpackageloaded{graphicx}{%
2452 \def\Gin@boolkey#1#2{%
2453 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2454 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2455 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2456 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2457 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2458 \define@key{Grot}{origin}[c]{%
2459   \@tfor\@tempa:=#1\do{%
2460     \if l\@tempa \Grot@x\z@\else
2461     \if tempa@ \Grot@x\z@\else
2462     \if r\@tempa \Grot@x\width\else
2463     \if tempa@ \Grot@x\width\else
2464     \if t\@tempa \Grot@y\height\else
2465     \if tempa@ \Grot@y\height\else
2466     \if b\@tempa \Grot@y-\depth\else
2467     \if tempa@ \Grot@y-\depth\else
2468     \if B\@tempa \Grot@y\z@\else
2469     \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2470 {draft}{   }{Gin} @ \
2471 {origin}{   }{Gin} @ \
2472 {origin}{   }{Grot} @ \
2473 {clip}{   }{Gin} @ \
2474 {keepaspectratio}{   }{Gin} @ \
2475 {natwidth}{   }{Gin} @ \
2476 {natheight}{   }{Gin} @ \
2477 {bb}{   }{Gin} @ \
2478 {viewport}{   }{Gin} @ \
2479 {trim}{   }{Gin} @ \
2480 {angle}{   }{Gin} @ \
2481 {width}{   }{Gin} @ \
2482 {height}{   }{Gin} @ \
2483 {totalheight}{   }{Gin} @ \
2484 {scale}{   }{Gin} @ \
2485 {type}{   }{Gin} @ \
2486 {ext}{   }{Gin} @ \
2487 {read}{   }{Gin} @ \
2488 {command}{   }{Gin} @ \

```



```

2489 {x}{ }{Grot} @ \
2490 {y}{ }{Grot} @ \
2491 {units}{ }{Grot} @ \
2492 }{ }

```

45 File persian-tex-text.map

```

2493 LHSName "persian-TeX-text"
2494 RHSName "Unicode"
2495
2496 pass(Unicode)
2497 U+0030 <> U+06F0 ;
2498 U+0031 <> U+06F1 ;
2499 U+0032 <> U+06F2 ;
2500 U+0033 <> U+06F3 ;
2501 U+0034 <> U+06F4 ;
2502 U+0035 <> U+06F5 ;
2503 U+0036 <> U+06F6 ;
2504 U+0037 <> U+06F7 ;
2505 U+0038 <> U+06F8 ;
2506 U+0039 <> U+06F9 ;
2507
2508
2509 U+002C <> U+060C ; comma > arabic comma
2510 U+003F <> U+061F ; question mark -> arabic qm
2511 U+003B <> U+061B ; semicolon -> arabic semicolon
2512
2513 ; ligatures from Knuth's original CMR fonts
2514 U+002D U+002D <> U+2013 ; -- -> en dash
2515 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2516
2517 U+0027 <> U+2019 ; ' -> right single quote
2518 U+0027 U+0027 <> U+201D ; '' -> right double quote
2519 U+0022 > U+201D ; " -> right double quote
2520
2521 U+0060 <> U+2018 ; ` -> left single quote
2522 U+0060 U+0060 <> U+201C ; `` -> left double quote
2523
2524 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2525 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2526
2527 ; additions supported in T1 encoding
2528 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2529 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2530 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

46 File persian-tex-text-nonnumbers.map

```

2531 LHSName "persian-TeX-text-nonnumbers"
2532 RHSName "Unicode"
2533
2534 pass(Unicode)
2535 U+002C <> U+060C ; comma > arabic comma
2536 U+003F <> U+061F ; question mark -> arabic qm

```



```

2537 U+003B <> U+061B ; semicolon -> arabic semicolon
2538
2539 ; ligatures from Knuth's original CMR fonts
2540 U+002D U+002D <> U+2013 ; -- -> en dash
2541 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2542
2543 U+0027 <> U+2019 ; ' -> right single quote
2544 U+0027 U+0027 <> U+201D ; '' -> right double quote
2545 U+0022 > U+201D ; " -> right double quote
2546
2547 U+0060 <> U+2018 ; ` -> left single quote
2548 U+0060 U+0060 <> U+201C ; `` -> left double quote
2549
2550 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2551 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2552
2553 ; additions supported in T1 encoding
2554 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2555 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2556 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

47 File rapport1-xepersian.def

```

2557 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2558 \renewcommand*\thepart{\@tartibi\c@part}
2559 \renewcommand*\appendix{\par
2560   \setcounter{chapter}{0}%
2561   \setcounter{section}{0}%
2562   \gdef\@chapapp{\appendixname}%
2563   \gdef\thechapter{\@harfi\c@chapter}}

```

48 File rapport3-xepersian.def

```

2564 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2565 \renewcommand*\thepart{\@tartibi\c@part}
2566 \renewcommand*\appendix{\par
2567   \setcounter{chapter}{0}%
2568   \setcounter{section}{0}%
2569   \gdef\@chapapp{\appendixname}%
2570   \gdef\thechapter{\@harfi\c@chapter}}

```

49 File refrep-xepersian.def

```

2571 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2572 \renewcommand \thepart {\@tartibi\c@part}
2573 \renewcommand\appendix{\par
2574   \setcounter{chapter}{0}%
2575   \setcounter{section}{0}%
2576   \gdef\@chapapp{\appendixname}%
2577   \gdef\thechapter{\@harfi\c@chapter}
2578 }%end appendix

```

50 File report-xepersian.def



```

2579 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2580 \renewcommand \thepart {\@tartibi\c@part}
2581 \renewcommand\appendix{\par
2582   \setcounter{chapter}{0}%
2583   \setcounter{section}{0}%
2584   \gdef\@chapapp{\appendixname}%
2585   \gdef\thechapter{\@harfi\c@chapter}
2586 }%end appendix

```

51 File scrartcl-xepersian.def

```

2587 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2588 \renewcommand*{\thepart}{\@tartibi\c@part}
2589 \renewcommand*{\appendix}{\par%
2590   \setcounter{section}{0}%
2591   \setcounter{subsection}{0}%
2592   \gdef\thesection{\@harfi\c@section}%
2593   \csname appendixmore\endcsname
2594 }
2595 \renewcommand*{\@maybeautodot}[1]{%
2596   \ifx #1\@stop\let\@maybeautodot\relax
2597   \else
2598     \ifx #1\harfi \@autodottrue\fi
2599     \ifx #1\adadi \@autodottrue\fi
2600     \ifx #1\tartibi \@autodottrue\fi
2601     \ifx #1\Alph \@autodottrue\fi
2602     \ifx #1\alph \@autodottrue\fi
2603     \ifx #1\Roman \@autodottrue\fi
2604     \ifx #1\roman \@autodottrue\fi
2605     \ifx #1\@harfi \@autodottrue\fi
2606     \ifx #1\@adadi \@autodottrue\fi
2607     \ifx #1\@tartibi \@autodottrue\fi
2608     \ifx #1\@Alph \@autodottrue\fi
2609     \ifx #1\@alph \@autodottrue\fi
2610     \ifx #1\@Roman \@autodottrue\fi
2611     \ifx #1\@roman \@autodottrue\fi
2612     \ifx #1\romannumeral \@autodottrue\fi
2613   \fi
2614   \@maybeautodot
2615 }

```

52 File scrbook-xepersian.def

```

2616 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2617 \renewcommand*\frontmatter{%
2618   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2619   \@mainmatterfalse\pagenumbering{harfi}%
2620 }
2621 \renewcommand*{\thepart}{\@tartibi\c@part}
2622 \renewcommand*{\appendix}{\par%
2623   \setcounter{chapter}{0}%
2624   \setcounter{section}{0}%
2625   \gdef\@chapapp{\appendixname}%
2626   \gdef\thechapter{\@harfi\c@chapter}%

```



```

2627 \csname appendixmore\endcsname
2628 }
2629 \renewcommand*{\@@maybeautodot}[1]{%
2630 \ifx #1\@stop\let\@@maybeautodot\relax
2631 \else
2632 \ifx #1\harfi \@autodottrue\fi
2633 \ifx #1\adadi \@autodottrue\fi
2634 \ifx #1\tartibi \@autodottrue\fi
2635 \ifx #1\Alph \@autodottrue\fi
2636 \ifx #1\alph \@autodottrue\fi
2637 \ifx #1\Roman \@autodottrue\fi
2638 \ifx #1\roman \@autodottrue\fi
2639 \ifx #1\@harfi \@autodottrue\fi
2640 \ifx #1\@adadi \@autodottrue\fi
2641 \ifx #1\@tartibi \@autodottrue\fi
2642 \ifx #1\@Alph \@autodottrue\fi
2643 \ifx #1\@alph \@autodottrue\fi
2644 \ifx #1\@Roman \@autodottrue\fi
2645 \ifx #1\@roman \@autodottrue\fi
2646 \ifx #1\romannumeral \@autodottrue\fi
2647 \fi
2648 \@@maybeautodot
2649 }

```

53 File scrreprt-xepersian.def

```

2650 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2651 \renewcommand*{\thepart}{\@tartibi\c@part}
2652 \renewcommand*\appendix{\par%
2653 \setcounter{chapter}{0}%
2654 \setcounter{section}{0}%
2655 \gdef\@chapapp{\appendixname}%
2656 \gdef\thechapter{\@harfi\c@chapter}%
2657 \csname appendixmore\endcsname
2658 }
2659 \renewcommand*{\@@maybeautodot}[1]{%
2660 \ifx #1\@stop\let\@@maybeautodot\relax
2661 \else
2662 \ifx #1\harfi \@autodottrue\fi
2663 \ifx #1\adadi \@autodottrue\fi
2664 \ifx #1\tartibi \@autodottrue\fi
2665 \ifx #1\Alph \@autodottrue\fi
2666 \ifx #1\alph \@autodottrue\fi
2667 \ifx #1\Roman \@autodottrue\fi
2668 \ifx #1\roman \@autodottrue\fi
2669 \ifx #1\@harfi \@autodottrue\fi
2670 \ifx #1\@adadi \@autodottrue\fi
2671 \ifx #1\@tartibi \@autodottrue\fi
2672 \ifx #1\@Alph \@autodottrue\fi
2673 \ifx #1\@alph \@autodottrue\fi
2674 \ifx #1\@Roman \@autodottrue\fi
2675 \ifx #1\@roman \@autodottrue\fi
2676 \ifx #1\romannumeral \@autodottrue\fi
2677 \fi

```



```

2678 \@@maybeautodot
2679 }

```

54 File soul-xepersian.def

```

2680 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2681 \let\SOUL@tt@latin\SOUL@tt
2682 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2683 \def\SOUL@tt{%
2684   \if@nonlatin
2685     \SOUL@tt@nonlatin
2686   \else
2687     \SOUL@tt@latin
2688   \fi
2689 }
2690 \bidi@appto\resetlatinfont{%
2691   \setbox\z@\hbox{\SOUL@tt-}%
2692   \SOUL@ttwidth\wd\z@
2693 }
2694 \bidi@appto\setpersianfont{%
2695   \setbox\z@\hbox{\SOUL@tt-}%
2696   \SOUL@ttwidth\wd\z@
2697 }

```

55 File tikz.code-xepersian.def

```

2698 \ProvidesFile{tikz.code-xepersian.def}[2020/05/17 v0.2 adaptations for tikz.code.tex file]
2699 \bidi@patchcmd\tikz@finish{%
2700   \tikz@preactions%
2701 }{%
2702   \@@textdigitfont@onfalse%
2703   \tikz@preactions%
2704 }{}{}

```

56 File tkz-linknodes-xepersian.def

```

2705 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2706 \renewcommand*{\@SetTab}{%
2707   \let\@alph\@latinalph%
2708   \ifnum \value{C@NumTab}>25\relax%
2709     \setcounter{C@NumTab}{1}%
2710   \else%
2711     \stepcounter{C@NumTab}%
2712   \fi%
2713   \setcounter{C@NumGroup}{0}%
2714   \newcommand*\@PrefixCurrentTab{\@alph{C@NumTab}}
2715   \setboolean{B@FirstLink}{true}
2716   \setboolean{B@NewGroup}{false}
2717   \setcounter{C@NumGroup}{0}
2718   \setcounter{C@CurrentGroup}{0}
2719   \setcounter{NumC@Node}{0}
2720   \setcounter{NumC@stop}{0}
2721   \setcounter{C@NextNode}{0}
2722   \setcounter{C@CurrentStop}{0}

```




```

2723 \setcounter{C@CurrentNode}{0}
2724 }%

```

57 File tocloft-xepersian.def

```

2725 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2726 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2727 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2728 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2729 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2730 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2731 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2732 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2733 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2734 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2735 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

58 File varioref-xepersian.def

```

2736 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2737 \def\reftextfaceafter{%
2738 \if@RTL
2739
2740 \reftextvario{ }{ }%
2741 \else
2742 on the \reftextvario{facing}{next} page%
2743 \fi
2744 }
2745 \def\reftextfacebefore{%
2746 \if@RTL
2747
2748 \reftextvario{ }{ }%
2749 \else
2750 on the \reftextvario{facing}{preceding} page%
2751 \fi
2752 }
2753 \def\reftextafter{%
2754 \if@RTL
2755
2756 \reftextvario{ }{ }%
2757 \else
2758 on the \reftextvario{following}{next} page%
2759 \fi
2760 }
2761 \def\reftextbefore{%
2762 \if@RTL
2763
2764 \reftextvario{ }{ }%
2765 \else
2766 on the \reftextvario{preceding}{previous} page%
2767 \fi
2768 }
2769 \def\reftextcurrent{%
2770 \if@RTL

```



```

2771
2772 \reftextvario{      }{    }{
2773   \else
2774     on \reftextvario{this}{the current} page%
2775   \fi
2776 }
2777 \def\reftextfaraway#1{%
2778   \if@RTL
2779     %
2780 ~\pageref{#1}%
2781   \else
2782     on page~\pageref{#1}%
2783   \fi
2784 }
2785 \def\reftextpagerange#1#2{%
2786   \if@RTL
2787     %
2788 ~\pageref{#1}--\pageref{#2}%
2789   \else
2790     on pages~\pageref{#1}--\pageref{#2}%
2791   \fi
2792 }
2793 \def\reftextlabelrange#1#2{%
2794   \if@RTL
2795     \ref{#1} %ref{#2}\~
2796   \else
2797     \ref{#1} to~\ref{#2}%
2798   \fi
2799 }

```

59 File xepersian.sty

```

2800 \NeedsTeXFormat{LaTeX2e}
2801 \def\xepersian@version{23.3}
2802 \def\xepersiandate{2022/02/04}
2803 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2804 Persian typesetting in XeLaTeX]
2805 \RequirePackage{fontspec}
2806 \RequirePackage{xepersian-persiancal}
2807 \RequirePackage{xepersian-mathdigitspec}
2808 \RequirePackage{bidi}
2809 \edef\xepersian@info{*****~J%
2810 * ~J%
2811 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2812 * ~J%
2813 * Description: The package supports Persian~J%
2814 * typesetting, using fonts provided in the~J%
2815 * distribution.~J%
2816 * ~J%
2817 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2818 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2819 * ~J%
2820 * v\xepersian@version, \xepersiandate~J%
2821 * ~J%

```



```

2822 * License: LaTeX Project Public License, version^^J%
2823 * 1.3c or higher (your choice)^^J%
2824 * ^^J%
2825 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2826 * ^^J%
2827 * Issue tracker: https://github.com/tex-persian/xepersian/issues^^J%
2828 * ^^J%
2829 * Discussions: https://github.com/tex-persian/xepersian/discussions^^J%
2830 * ^^J%
2831 * Support Email: tex-persian@vafa.ac^^J%
2832 * ^^J%
2833 * Primary author of xepersian package: Vafa Khalighi.^^J%
2834 * ^^J%
2835 *****}
2836 \typeout{\@xepersian@info}
2837 \edef\xepersian@everyjob{\the\everyjob}
2838 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2839 \newcommand*\xepersianversion{
2840   \ensuremath\xepersian@version}
2841 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2842   \ifdim\xepersian@version pt > #1 pt %
2843     \expandafter\@firstoftwo
2844   \else
2845     \expandafter\@secondoftwo
2846   \fi}
2847 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2848   \ifdim\xepersian@version pt < #1 pt %
2849     \expandafter\@firstoftwo
2850   \else
2851     \expandafter\@secondoftwo
2852   \fi}
2853 \newcommand*\IfxepersianPackageVersion}[1]{%
2854   \ifdim\xepersian@version pt = #1 pt %
2855     \expandafter\@firstoftwo
2856   \else
2857     \expandafter\@secondoftwo
2858   \fi}
2859 \def\prq{<}
2860 \def\plq{>}
2861 \def\xepersian@cmds@temp#1{%
2862   \begingroup\expandafter\expandafter\expandafter\endgroup
2863   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2864     \begingroup
2865       \escapechar=-1 %
2866       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2867       \def\y{#1}%
2868       \def\z##1->{}%
2869       \edef\y{\expandafter\z\meaning\y}%
2870     \expandafter\endgroup
2871     \ifx\x\y
2872       \expandafter\def\csname xepersian@#1\endcsname
2873     \expandafter{%
2874       \csname#1\endcsname
2875     }%

```



```

2876     \fi
2877 \fi
2878 }%
2879 \xepersian@cmds@temp{shellescape}
2880 \newif\ifwritexviii
2881 \ifnum\xepersian@shellescape=1\relax
2882   \writexviii>true
2883 \else
2884 \writexviii>false
2885 \fi
2886 \newfontscript{Persian}{arab}
2887 \newfontlanguage{Persian}{FAR}
2888 \ExplSyntaxOn
2889
2890 \keys_define:nn {fontspec-opentype}
2891 {
2892   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
2893   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2894   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2895 }
2896
2897 \keys_define:nn {fontspec-aat}
2898 {
2899   Ligatures / PersianTeX .code:n =
2900   {
2901     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
2902   }
2903 }
2904
2905 \keys_define:nn {fontspec-opentype}
2906 {
2907   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
2908   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2909   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2910 }
2911
2912 \keys_define:nn {fontspec-aat}
2913 {
2914   Ligatures / PersianTeXNoNumbers .code:n =
2915   {
2916     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
2917   }
2918 }
2919
2920 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2921 {
2922   \__xepersian_main_settextfont:nn {#1,#3} {#2}
2923   \ignorespaces
2924 }
2925 \cs_new:Nn \__xepersian_main_settextfont:nn
2926 {
2927   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {Ligatures=PersianTeX,#1} {#2}
2928   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
2929   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }

```



```

2930 {
2931   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2932   \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
2933   \exp_not:N \selectfont
2934 }
2935 }
2936 \str_if_eq:eeT {\familydefault} {\rmdefault}
2937   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2938 \__xepersian_settextfont_hook:nn {#1} {#2}
2939 \normalfont
2940 }
2941
2942 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
2943
2944 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2945 {
2946   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2947   \ignorespaces
2948 }
2949 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
2950 {
2951   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
2952   \use:x
2953   {
2954     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2955     {
2956       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
2957       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2958       \exp_not:N \selectfont
2959     }
2960   }
2961   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
2962   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2963   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@stop@switch@textdigitfont}
2964   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2965   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@stop@switch@textdigitfont}
2966   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@stop@switch@textdigitfont}
2967   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
2968   \if@bidi@csundef{xepersian@D}{}%
2969     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2970     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@stop@switch@textdigitfont}
2971     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2972     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@stop@switch@textdigitfont}
2973     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2974     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@stop@switch@textdigitfont}
2975     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@start@switch@textdigitfont}
2976     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@stop@switch@textdigitfont}
2977   }
2978 }
2979
2980 \newcommand*{\xepersian@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
2981 \newcommand*{\xepersian@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
2982
2983 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn

```



```

2984
2985 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
2986 {
2987   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2988   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
2989   \ignorespaces
2990 }
2991
2992
2993 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2994 {
2995   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
2996   \ignorespaces
2997 }
2998 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
2999 {
3000   \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3001   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3002     {
3003       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3004       \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
3005       \exp_not:N \selectfont
3006     }
3007   }
3008   \str_if_eq:eeT {\familydefault} {\rmdefault}
3009   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3010   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3011   \normalfont
3012 }
3013
3014 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3015
3016 \tl_set_eq:NN \setlatinsansfont \setsansfont
3017 \tl_set_eq:NN \setlatinmonofont \setmonofont
3018
3019 \DeclareDocumentCommand \defpersianfont { m 0{ } m 0{ } }
3020 {
3021   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3022   \NewDocumentCommand
3023 }
3024 \DeclareDocumentCommand \redefpersianfont { m 0{ } m 0{ } }
3025 {
3026   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3027   \RenewDocumentCommand
3028 }
3029 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3030 {
3031   \fontspec_set_family:cnn { \l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=PersianTe}
3032   \use:x
3033   {
3034     \exp_not:N #4 \exp_not:N #1 {}
3035     {
3036       \exp_not:N \fontfamily { \use:c { \l__xepersian_ \cs_to_str:N #1 _family_tl } }
3037       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3038     \exp_not:N \selectfont
3039   }
3040 }
3041 }
3042
3043 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3044 {
3045   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3046   \NewDocumentCommand
3047 }
3048 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3049 {
3050   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3051   \RenewDocumentCommand
3052 }
3053 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3054 {
3055   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3056   \use:x
3057   {
3058     \exp_not:N #4 \exp_not:N #1 {}
3059     {
3060       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3061       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3062       \exp_not:N \selectfont
3063     }
3064   }
3065 }
3066
3067 \newcommand\persiansfdefault{}
3068 \newcommand\persianttdefault{}
3069 \newcommand\iranicsfdefault{}
3070 \newcommand\navarsfdefault{}
3071 \newcommand\pooksfdefault{}
3072 \newcommand\sayehsfdefault{}
3073 \DeclareRobustCommand\persiansffamily
3074   {\not@math@alphabet\persiansffamily\mathpersiansf
3075   \fontfamily\persiansfdefault\selectfont}
3076 \DeclareRobustCommand\persianttfamily
3077   {\not@math@alphabet\persianttfamily\mathpersiantt
3078   \fontfamily\persianttdefault\selectfont}
3079 \DeclareRobustCommand\iranicsffamily
3080   {\not@math@alphabet\iranicsffamily\mathiranicsf
3081   \fontfamily\iranicsfdefault\selectfont}
3082 \DeclareRobustCommand\navarsffamily
3083   {\not@math@alphabet\navarsffamily\mathnavar
3084   \fontfamily\navarsfdefault\selectfont}
3085 \DeclareRobustCommand\pooksffamily
3086   {\not@math@alphabet\pooksffamily\mathpook
3087   \fontfamily\pooksfdefault\selectfont}
3088 \DeclareRobustCommand\sayehsfamily
3089   {\not@math@alphabet\sayehsfamily\mathsayeh
3090   \fontfamily\sayehsfdefault\selectfont}
3091 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}

```



```

3092 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3093 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3094 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3095 \DeclareTextFontCommand{\textpook}{\pookfamily}
3096 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3097
3098 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3099 {
3100   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3101   \ignorespaces
3102 }
3103 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3104 {
3105   \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {Ligatures=PersianTeX,#1}
3106   \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3107   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3108     {
3109       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3110       \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3111       \exp_not:N \selectfont
3112     }
3113   }
3114   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3115     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3116   \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3117   \normalfont
3118 }
3119
3120 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3121
3122 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3123 {
3124   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3125   \ignorespaces
3126 }
3127 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3128 {
3129   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {Ligatures=PersianTeX,#1}
3130   \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
3131   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3132     {
3133       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3134       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3135       \exp_not:N \selectfont
3136     }
3137   }
3138   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3139     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3140   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3141   \normalfont
3142 }
3143
3144 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3145

```




```

3146 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3147 {
3148   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3149   \ignorespaces
3150 }
3151 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3152 {
3153   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {Ligatures=PersianTeX,#1} {#2}
3154   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3155   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3156     {
3157       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3158       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3159       \exp_not:N \selectfont
3160     }
3161   }
3162   \str_if_eq:eeT {\familydefault} {\navardefault}
3163     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3164   \_xepersian_setnavarfont_hook:nn {#1} {#2}
3165   \normalfont
3166 }
3167
3168 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3169
3170 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3171 {
3172   \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3173   \ignorespaces
3174 }
3175 \cs_new:Nn \_xepersian_main_setpookfont:nn
3176 {
3177   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3178   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3179   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3180     {
3181       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3182       \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3183       \exp_not:N \selectfont
3184     }
3185   }
3186   \str_if_eq:eeT {\familydefault} {\pookdefault}
3187     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3188   \_xepersian_setpookfont_hook:nn {#1} {#2}
3189   \normalfont
3190 }
3191
3192 \cs_set_eq:NN \_xepersian_setpookfont_hook:nn \use_none:nn
3193
3194 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3195 {
3196   \_xepersian_main_setsayehfont:nn {#1,#3} {#2}
3197   \ignorespaces
3198 }
3199 \cs_new:Nn \_xepersian_main_setsayehfont:nn

```



```

3200 {
3201 \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3202 \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3203 \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3204 {
3205 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3206 \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3207 \exp_not:N \selectfont
3208 }
3209 }
3210 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3211 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3212 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3213 \normalfont
3214 }
3215
3216 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3217
3218 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3219 {
3220 \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3221 \ignorespaces
3222 }
3223 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3224 {
3225 \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3226 \tl_set_eq:NN \iranicondefault \l__xepersian_iranicfamily_family_tl
3227 \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
3228 {
3229 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3230 \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
3231 \exp_not:N \selectfont
3232 }
3233 }
3234 \str_if_eq:eeT {\familydefault} {\iranicondefault}
3235 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3236 \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3237 \normalfont
3238 }
3239
3240 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3241
3242 \ExplSyntaxOff
3243 \def\resetlatinfont{%
3244 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3245 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3246 \def\xepersian@@fontsize@scale{%
3247 \strip@pt\dimexpr 1pt * \dimexpr
3248 \xepersian@@latin@fontsize@scale pt\relax
3249 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3250 }%
3251 \def\xepersian@@baselineskip@scale{%
3252 \strip@pt\dimexpr 1pt * \dimexpr
3253 \xepersian@@latin@baselineskip@scale pt\relax

```



```

3254 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3255 }%
3256 \@nonlatinfalse%
3257 \let\normalfont\latinfont%
3258 \let\reset@font\normalfont%
3259 \latinfont%
3260 \fontsize\fontsize\fontsize@scale\fontsize@scale%
3261 \selectfont%
3262 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3263 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3264 }
3265 \def\setpersianfont{%
3266 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3267 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3268 \let\xepersian@@fontsize@scale\one%
3269 \let\xepersian@@baselineskip@scale\one%
3270 \@nonlatintrue%
3271 \let\normalfont\persianfont%
3272 \let\reset@font\normalfont%
3273 \persianfont%
3274 \fontsize\fontsize\fontsize@scale\fontsize@scale%
3275 \selectfont%
3276 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3277 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3278 }
3279 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3280 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3281 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3282 \def\endlatin{\endLTR}
3283 \newenvironment{latin*}{\latin
3284 \everypar{%
3285 {\setbox\z@ \lastbox
3286 \ifvoid\z@
3287 \kern-\parindent
3288 \fi}%
3289 }%
3290 }{\endlatin\@endpetrue}
3291 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3292 \def\endpersian{\endRTL}
3293 \newenvironment{persian*}{\persian
3294 \everypar{%
3295 {\setbox\z@ \lastbox
3296 \ifvoid\z@
3297 \kern-\parindent
3298 \fi}%
3299 }%
3300 }{\endpersian\@endpetrue}
3301 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATRitems}}
3302 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3303 \let\originaltoday=\today
3304 \def\latintoday{\lr{\originaltoday}}
3305 \def\today{\rl{\persiantoday}}
3306 \def \@LTRmarginparreset {%
3307 \reset@font

```



```

3308         \resetlatinfont
3309         \normalsize
3310         \@minipagetrue
3311         \everypar{\@minipagefalse\everypar{}\beginL}%
3312 }
3313 \DeclareRobustCommand\Latincite{%
3314   \@ifnextchar [{\@tempswattrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
3315 \def\@Latincitex[#1]#2{\leavevmode
3316   \let\@citea\@empty
3317   \@cite{\lr{\@for\@citeb:=#2\do
3318     {\@citea\def\@citea{,\penalty\@m\ }%
3319     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3320     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3321     \@ifundefined{b\@citeb}{\hbox{\resetfont\bfseries ?}%
3322       \G@refundefinedtrue
3323       \@latex@warning
3324         {Citation `'\@citeb' on page \thepage \space undefined}}%
3325     {\@cite\ofmt{\csname b\@citeb\endcsname}}}\}}{#1}}
3326
3327 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3328
3329 \newif\if@xepersian@computeautoilg
3330 \newcount\xepersian@tcl
3331 \newdimen\xepersian@ilg
3332 \newdimen\xepersian@strutilg
3333 \chardef\font@ur=4
3334 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3335   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3336   \loop
3337   \iffontchar\font\xepersian@tcl
3338   \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3339   \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3340     \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3341   \fi
3342   \else
3343   \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3344   \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3345     \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3346   \fi
3347   \fi
3348   \fi
3349   \ifdim\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3350   \ifdim\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3351     \xepersian@strutilg=\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl
3352   \fi
3353   \else
3354   \ifdim\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3355   \ifdim-\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3356     \xepersian@strutilg=-\XeTeXglyphbounds\font@ur \the\XeTeXcharglyph\xepersian@tcl
3357   \fi
3358   \fi
3359   \fi
3360   \fi
3361   \advance\xepersian@tcl\@ne

```



```

3362 \ifnum\xepersian@tcl<1792\repeat
3363 \advance\xepersian@strutilg\xepersian@ilg
3364 % \ifdim\xepersian@strutilg>\baselineskip
3365 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3366 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3367 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3368 % \selectfont
3369 % \fi
3370 }
3371
3372 \newif\if@@textdigitfont@on
3373
3374 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3375 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3376
3377 \TextDigitFontOn
3378
3379 \newcommand*\xepersian@setlength[4]{%
3380 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3381 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3382 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3383 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3384 \else
3385 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3386 \fi
3387 \else
3388 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3389 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3390 \else
3391 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3392 \fi
3393 \fi
3394 \else
3395 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3396 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3397 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3398 \else
3399 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3400 \fi
3401 \else
3402 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3403 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3404 \else
3405 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3406 \fi
3407 \fi
3408 \fi
3409 }
3410
3411 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3412 \@defaultunits\@tempdima#2pt\relax\@nnil
3413 \setlength{\@tempdimc}{\@tempdima}%
3414 \addtolength{\@tempdimc}{-10\p@}%
3415 \edef\@ptsize{\strip@pt\@tempdimc}%

```



```

3416 \@defaultunits\@tempdimb#1pt\relax\@nnil
3417 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3418 \edef\@tempb{\the\@tempdimc}%
3419 \setlength{\@tempdimc}{\@tempdima}%
3420 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3421 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3422 \xepersian@setlength{\abovedisplayskip}%
3423     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3424 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3425 \xepersian@setlength{\belowdisplayshortskip}%
3426     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3427 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3428 \edef\normalsize{%
3429     \noexpand\@setfontsize\noexpand\normalsize
3430     {\the\@tempdima}{\the\@tempdimb}%
3431     \abovedisplayskip \the\abovedisplayskip
3432     \abovedisplayshortskip \the\abovedisplayshortskip
3433     \belowdisplayskip \the\belowdisplayskip
3434     \belowdisplayshortskip \the\belowdisplayshortskip
3435     \let\noexpand\@listi\noexpand\@listI
3436 }%
3437 \setlength{\@tempdima}{0.9125\@tempdimc}%
3438 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3439 \xepersian@setlength{\abovedisplayskip}%
3440     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3441 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3442 \xepersian@setlength{\belowdisplayshortskip}%
3443     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3444 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3445 \edef\small{%
3446     \noexpand\@setfontsize\noexpand\small
3447     {\the\@tempdima}{\the\@tempdimb}%
3448     \abovedisplayskip \the\abovedisplayskip
3449     \abovedisplayshortskip \the\abovedisplayshortskip
3450     \belowdisplayskip \the\belowdisplayskip
3451     \belowdisplayshortskip \the\belowdisplayshortskip
3452     \let\noexpand\@listi\noexpand\@listi@small
3453 }%
3454 \setlength{\@tempdima}{.83334\@tempdimc}%
3455 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3456 \xepersian@setlength{\abovedisplayskip}%
3457     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3458 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3459 \xepersian@setlength{\belowdisplayshortskip}%
3460     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3461 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3462 \edef\footnotesize{%
3463     \noexpand\@setfontsize\noexpand\footnotesize
3464     {\the\@tempdima}{\the\@tempdimb}%
3465     \abovedisplayskip \the\abovedisplayskip
3466     \abovedisplayshortskip \the\abovedisplayshortskip
3467     \belowdisplayskip \the\belowdisplayskip
3468     \belowdisplayshortskip \the\belowdisplayshortskip
3469     \let\noexpand\@listi\noexpand\@listi@footnotesize

```



```

3470 }%
3471 \setlength{\@tempdima}{.6667\@tempdimc}%
3472 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3473 \edef\scriptsize{%
3474   \noexpand\setfontsize\noexpand\scriptsize
3475   {\the\@tempdima}{\the\@tempdimb}%
3476 }%
3477 \setlength{\@tempdima}{.5\@tempdimc}%
3478 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3479 \edef\tiny{%
3480   \noexpand\setfontsize\noexpand\tiny
3481   {\the\@tempdima}{\the\@tempdimb}%
3482 }%
3483 \setlength{\@tempdima}{1.2\@tempdimc}%
3484 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3485 \edef\large{%
3486   \noexpand\setfontsize\noexpand\large
3487   {\the\@tempdima}{\the\@tempdimb}%
3488 }%
3489 \setlength{\@tempdima}{1.44\@tempdimc}%
3490 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3491 \edef\Large{%
3492   \noexpand\setfontsize\noexpand\Large
3493   {\the\@tempdima}{\the\@tempdimb}%
3494 }%
3495 \setlength{\@tempdima}{1.728\@tempdimc}%
3496 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3497 \edef\LARGE{%
3498   \noexpand\setfontsize\noexpand\LARGE
3499   {\the\@tempdima}{\the\@tempdimb}%
3500 }%
3501 \setlength{\@tempdima}{2.074\@tempdimc}%
3502 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3503 \edef\huge{%
3504   \noexpand\setfontsize\noexpand\huge
3505   {\the\@tempdima}{\the\@tempdimb}%
3506 }%
3507 \setlength{\@tempdima}{2.488\@tempdimc}%
3508 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3509 \edef\Huge{%
3510   \noexpand\setfontsize\noexpand\Huge
3511   {\the\@tempdima}{\the\@tempdimb}%
3512 }%
3513 \normalsize
3514 \setlength{\@tempdimb}{\f@baselineskip}%
3515 \xepersian@setlength{\parsep}%
3516   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3517 \xepersian@setlength{\topsep}%
3518   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3519 \@tempswafalse
3520 \begingroup
3521   \def\@list@extra{\aftergroup\@tempwattrue}%
3522   \csname @listi\endcsname
3523 \endgroup

```



```

3524 \edef\@listi{\leftmargin\leftmarginii
3525 \topsep \the\topsep
3526 \parsep \the\parsep
3527 \itemsep \parsep
3528 \if@tempswa\noexpand\@list@extra\fi
3529 }%
3530 \let\@listI\@listi
3531 \xepersian@setlength{\parsep}%
3532         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3533 \xepersian@setlength{\topsep}%
3534         {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3535 \@tempswafalse
3536 \begingroup
3537 \def\@list@extra{\aftergroup\@tempswattrue}%
3538 \csname @listi\endcsname
3539 \endgroup
3540 \edef\@listi@small{\leftmargin\leftmarginii
3541 \topsep \the\topsep
3542 \parsep \the\parsep
3543 \itemsep \parsep
3544 \if@tempswa\noexpand\@list@extra\fi
3545 }%
3546 \xepersian@setlength{\parsep}%
3547         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3548 \xepersian@setlength{\topsep}%
3549         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
3550 \@tempswafalse
3551 \begingroup
3552 \def\@list@extra{\aftergroup\@tempswattrue}%
3553 \csname @listi\endcsname
3554 \endgroup
3555 \edef\@listi@footnotesize{\leftmargin\leftmarginii
3556 \topsep \the\topsep
3557 \parsep \the\parsep
3558 \itemsep \parsep
3559 \if@tempswa\noexpand\@list@extra\fi
3560 }%
3561 \xepersian@setlength{\parsep}%
3562         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3563 \xepersian@setlength{\topsep}%
3564         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3565 \@tempswafalse
3566 \begingroup
3567 \def\@list@extra{\aftergroup\@tempswattrue}%
3568 \csname @listii\endcsname
3569 \endgroup
3570 \edef\@listii{\leftmargin\leftmarginii
3571 \labelwidth=\dimexpr \leftmargin-\labelsep
3572 \topsep \the\topsep
3573 \parsep \the\parsep
3574 \itemsep \parsep
3575 \if@tempswa\noexpand\@list@extra\fi
3576 }%
3577 \xepersian@setlength{\topsep}%

```




```

3578         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3579 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3580 \@tempswafalse
3581 \begingroup
3582   \def\@list@extra\aftergroup\@tempswatrue}%
3583   \csname @listiii\endcsname
3584 \endgroup
3585 \edef\@listiii{\leftmargin\leftmarginiii
3586   \labelwidth=\dimexpr \leftmargin-\labelsep
3587   \topsep \the\topsep
3588   \parsep \z@
3589   \partopsep \the\partopsep
3590   \itemsep \topsep
3591   \if@tempswa\noexpand\@list@extra\fi
3592 }%
3593 \@tempswafalse
3594 \begingroup
3595   \def\@list@extra\aftergroup\@tempswatrue}%
3596   \csname @listiv\endcsname
3597 \endgroup
3598 \edef\@listiv{\leftmargin\leftmarginiv
3599   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3600   \if@tempswa\noexpand\@list@extra\fi
3601 }%
3602 \@tempswafalse
3603 \begingroup
3604   \def\@list@extra\aftergroup\@tempswatrue}%
3605   \csname @listv\endcsname
3606 \endgroup
3607 \edef\@listv{\leftmargin\leftmarginv
3608   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3609   \if@tempswa\noexpand\@list@extra\fi
3610 }%
3611 \@tempswafalse
3612 \begingroup
3613   \def\@list@extra\aftergroup\@tempswatrue}%
3614   \csname @listvi\endcsname
3615 \endgroup
3616 \edef\@listvi{\leftmargin\leftmarginvi
3617   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3618   \if@tempswa\noexpand\@list@extra\fi
3619 }%
3620 \@listi
3621 \setlength{\@tempdimb}{\f@baselineskip}%
3622 \setlength{\footnotesep}{.555\@tempdimb}%
3623 \xepersian@setlength{\skip\footins}%
3624   {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3625 \xepersian@setlength{\floatsep}%
3626   {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3627 \xepersian@setlength{\textfloatsep}%
3628   {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3629 \setlength{\intextsep}{\floatsep}%
3630 \setlength{\dblfloatsep}{\floatsep}%
3631 \setlength{\dbltextfloatsep}{\textfloatsep}%

```



```

3632 \setlength{\@fptop}{\z@ \@plus 1fil}%
3633 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3634 \setlength{\@fpbot}{\@fptop}%
3635 \setlength{\@dblftop}{\@fptop}%
3636 \setlength{\@dblfpsep}{\@fpsep}%
3637 \setlength{\@dblfpbot}{\@fptop}%
3638 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3639 }
3640
3641 \renewcommand*{\@bidi@logo@}{%
3642 \@bidi@logo@hb@xt@columnwidth
3643 {\hss\bfseries
3644
3645 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3646
3647 \renewcommand*{\@bidi@pdfcreator}{%
3648 The xepersian package, v\xepersian@version, \xepersian@date
3649 }
3650
3651 \newcommand*{\@xepersian@pdfcustomproperties}{%
3652 This is the xepersian package, Version \xepersian@version,
3653 Released February 27, 2022.
3654 }
3655
3656 \newcommand\twocolumnstableofcontents{%
3657 \if@bidi@csundef{multi@column@out}{%
3658 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3659 \begin{multicols}{2}[\section*{\contentsname}]}%
3660 \small
3661 \@starttoc{toc}%
3662 \end{multicols}}
3663 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3664 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3665 \def\figurename{\if@RTL else\ Figure\fi}
3666 \def\tablename{\if@RTL else\ Table\fi}
3667 \def\contentsname{\if@RTL else\ Contents\fi}
3668 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3669 \def\listtablename{\if@RTL else\ List of Tables\fi}
3670 \def\appendixname{\if@RTL else\ Appendix\fi}
3671 \def\indexname{\if@RTL else\ Index\fi}
3672 \def\refname{\if@RTL else\ References\fi}
3673 \def\abstractname{\if@RTL else\ Abstract\fi}
3674 \def\partname{\if@RTL else\ Part\fi}
3675 \def\datename{\if@RTL else\ Date\fi}
3676 \def\@and{\if@RTL else\ and\fi}
3677 \def\bibname{\if@RTL else\ Bibliography\fi}
3678 \def\chaptername{\if@RTL else\ Chapter\fi}
3679 \def\ccname{\if@RTL else\ cc\fi}
3680 \def\enclname{\if@RTL else\ encl\fi}
3681 \def\pagename{\if@RTL else\ Page\fi}
3682 \def\headtoname{\if@RTL else\ To\fi}
3683 \def\proofname{\if@RTL else\ Proof\fi}
3684 \def\@Abjad#1{%
3685 \ifcase#1\or or\ or\ or\ %

```



```

3686         \or or\ or\ or\ or\ %
3687         \or or\ or\ or\ or\ %
3688         \or or\ or\ or\ %
3689         \or or\ or\ or\ or\ %
3690         \or or\ or\ or\ or\ %
3691         \else\@ctrerr\fi}
3692 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3693 \let\Abjadnumeral\@Abjad
3694 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3695 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3696 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3697 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3698 \let\harfinumeral\@harfi
3699 \newcommand{\adadi}[1]{%
3700 \expandafter\@adadi\csname c@#1\endcsname%
3701 }
3702 \newcommand{\@adadi}[1]{%
3703 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3704 }
3705 \let\adadinumeral\@adadi%
3706 \def\xepersian@numberoutofrange#1#2{%
3707 \PackageError{xepersian}{The number `#1' is too large %
3708 to be formatted using xepersian}{The largest possible %
3709 number is 999,999,999.}%
3710 }
3711 \def\xepersian@numberstring#1#2#3#4{%
3712 \ifnum\number#1<\@ne%
3713 #3%
3714 \else\ifnum\number#1<1000000000 %
3715 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3716 \else%
3717 \xepersian@numberoutofrange{#1}{#4}%
3718 \fi\fi%
3719 }
3720 \def\xepersian@adadi#1#2{%
3721 \expandafter\xepersian@@adadi%
3722 \ifcase%
3723 \ifnum#1<10 1%
3724 \else\ifnum#1<100 2%
3725 \else\ifnum#1<\@m 3%
3726 \else\ifnum#1<\@M 4%
3727 \else\ifnum#1<100000 5%
3728 \else\ifnum#1<1000000 6%
3729 \else\ifnum#1<10000000 7%
3730 \else\ifnum#1<100000000 8%
3731 \else9%
3732 \fi\fi\fi\fi\fi\fi\fi\fi %
3733 \or00000000#1% case 1: Add 8 leading zeros
3734 \or0000000#1% case 2: Add 7 leading zeros
3735 \or000000#1% case 3: Add 6 leading zeros
3736 \or00000#1% case 4: Add 5 leading zeros
3737 \or0000#1% case 5: Add 4 leading zeros
3738 \or000#1% case 6: Add 3 leading zeros
3739 \or00#1% case 7: Add 2 leading zeros

```



```

3740 \or0#1%          case 8: Add 1 leading zero
3741 \or#1%           case 9: Add no leading zeros
3742 \or%
3743 \@nil#2%
3744 \fi%
3745 }
3746 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3747 \ifnum#1#2#3>\z@
3748 \xepersian@milyoongan#1#2#3%
3749 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3750 \fi%
3751 \ifnum#4#5#6>\z@%
3752 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3753 \ifnum#4#5#6>\@ne\fi%
3754 %
3755 \ifnum#7>\z@\ \fi%
3756 \fi%
3757 \xepersian@sadgan#7{#4#5#6}1#9%
3758 }
3759 \def\xepersian@milyoongan#1#2#3{%
3760 \ifnum#1#2#3=\@ne%
3761 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3762 %
3763 %
3764 \else%
3765 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3766 %
3767 %
3768 \fi%
3769 }
3770 \def\xepersian@sadgan#1#2#3#4#5#6{%
3771 \ifnum#1>\z@%
3772 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3773 %
3774 \ifnum#2#3>\z@\ \fi%
3775 \fi%
3776 \ifnum#2#3<20%
3777 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3778 \else%
3779 \xepersian@dahgan#2%
3780 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3781 #60%
3782 \fi%
3783 }
3784 \def\xepersian@yekani#1{%
3785 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3786 \or or\ or\ or\ or\ or\ or\ %
3787 \or or\ or\ or\ %
3788 \or or\ %fi\
3789 }
3790 \def\xepersian@yekanii#1{%
3791 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3792 }
3793 \def\xepersian@yekanii#1{%

```



```

3794 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3795 }
3796 \def\xepersian@yekaniv#1{%
3797 \ifcase#1\@empty\or\or\ or\ or\ or\ %
3798 \or or\ or\ %fi\
3799 }
3800 \def\xepersian@dahgan#1{%
3801 \ifcase#1\or\or or\ or\ %
3802 \or or\ or\ or\ %
3803 \or %fi\
3804 }
3805 \newcommand{\tartibi}[1]{%
3806 \expandafter\@tartibi\csname c@#1\endcsname%
3807 }
3808 \newcommand{\@tartibi}[1]{%
3809 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{}%
3810 }
3811 \let\tartibinumeral\@tartibi%
3812 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3813 \ifnum\number#1<\@ne%
3814 #3%
3815 \else\ifnum\number#1<1000000000 %
3816 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3817 \else%
3818 \xepersian@numberoutofrange{#1}{#4}%
3819 \fi\fi%
3820 }
3821 \def\xepersian@adadi@tartibi#1#2{%
3822 \expandafter\xepersian@@adadi@tartibi%
3823 \ifcase%
3824 \ifnum#1<10 1%
3825 \else\ifnum#1<100 2%
3826 \else\ifnum#1<\@m 3%
3827 \else\ifnum#1<\@M 4%
3828 \else\ifnum#1<100000 5%
3829 \else\ifnum#1<1000000 6%
3830 \else\ifnum#1<10000000 7%
3831 \else\ifnum#1<100000000 8%
3832 \else9%
3833 \fi\fi\fi\fi\fi\fi\fi\fi %
3834 \or00000000#1% case 1: Add 8 leading zeros
3835 \or0000000#1% case 2: Add 7 leading zeros
3836 \or000000#1% case 3: Add 6 leading zeros
3837 \or00000#1% case 4: Add 5 leading zeros
3838 \or0000#1% case 5: Add 4 leading zeros
3839 \or000#1% case 6: Add 3 leading zeros
3840 \or00#1% case 7: Add 2 leading zeros
3841 \or0#1% case 8: Add 1 leading zero
3842 \or#1% case 9: Add no leading zeros
3843 \or%
3844 \@nil#2%
3845 \fi%
3846 }
3847 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%

```



```

3848 \ifnum#1#2#3>\z@
3849 \xepersian@milyoongan@tartibi#1#2#3%
3850 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3851 \fi%
3852 \ifnum#4#5#6>\z@%
3853 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3854 \ifnum#4#5#6>\@ne \fi%
3855 %
3856 \ifnum#7>\z@\ \fi%
3857 \fi%
3858 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3859 }
3860 \def\xepersian@milyoongan@tartibi#1#2#3{%
3861 \ifnum#1#2#3=\@ne%
3862 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3863 %
3864 %
3865 \else%
3866 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3867 %
3868 %
3869 \fi%
3870 }
3871 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3872 \ifnum#1>\z@%
3873 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3874 %
3875 \ifnum#2#3>\z@\ \fi%
3876 \fi%
3877 \ifnum#2#3<20%
3878 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %\else#6{#2#3}\fi\fi\
3879 \else%
3880 \ifnum#2#3=30%
3881 \xepersian@dahgan@tartibi#2%
3882 \else%
3883 \xepersian@dahgan#2%
3884 \fi%
3885 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3886 #60%
3887 \fi%
3888 }
3889 \def\xepersian@dahgan@tartibi#1{%
3890 \ifcase#1\or\or or\ or\ %
3891 \or or\ or\ or\ %
3892 \or %fi\
3893 }
3894 \def\xepersian@tartibi#1{%
3895 \ifcase#1\or or\ or\ or\ %
3896 \or or\ or\ or\ or\ %
3897 \or or\ or\ or\ %
3898 \or or\ or\ %
3899 \or or\ or\ %fi\
3900 }
3901 \def\xepersian@yekanv#1{%

```



```

3902 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3903 \or or\ or\ or\ or\ or\ or\ %
3904 \or or\ or\ or\ %
3905 \or or\ %fi\
3906 }
3907 \providecommand*\xpg@warning}[1]{%
3908   \PackageWarning{XePersian}%
3909   {#1}}
3910 \if@bidi@csundef{@abjad}{%
3911 \def\@abjad#1{%
3912 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3913 \else
3914 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3915 \else
3916 \ifnum#1<10\expandafter\abj@num@i\number#1%
3917 \else
3918 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3919 \else
3920 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3921 \else
3922 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3923 \fi
3924 \fi
3925 \fi
3926 \fi
3927 \fi
3928 \fi
3929 }
3930 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3931 \let\abjadnumeral\@abjad
3932 \def\abjad@zero{}
3933 \def\abj@num@i#1{%
3934 \ifcase#1\or or\ or\ or\ %
3935 \or or\ or\ or\ or\ fi\
3936 \ifnum#1=\z@\abjad@zero\fi}
3937 \def\abj@num@ii#1{%
3938 \ifcase#1\or or\ or\ or\ or\ %
3939 \or or\ or\ or\ or\ fi\
3940 \ifnum#1=\z@\fi\abj@num@i}
3941 \def\abj@num@iii#1{%
3942 \ifcase#1\or or\ or\ or\ or\ %
3943 \or or\ or\ or\ or\ fi\
3944 \ifnum#1=\z@\fi\abj@num@ii}
3945 \def\abj@num@iv#1{%
3946 \ifcase#1\or fi\
3947 \ifnum#1=\z@\fi\abj@num@iii}
3948 }{}
3949 \let\@latinalph\@alph%
3950 \let\@latinAlph\@Alph%
3951 \def\LatinAlphs{%
3952 \let\@alph\@latinalph%
3953 \let\@Alph\@latinAlph%
3954 }
3955 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}

```



```

3956 \renewcommand*{\bidi@thebibliography@font@hook}{%
3957 \ifLTRbibitems
3958   \resetlatinfont
3959 \fi}
3960 \bidi@AfterEndPreamble{%
3961 \if@bidi@csundef{persianfont}{%
3962 \PackageError{xepersian}{You have not specified any font\MessageBreak
3963 for the main Persian text}{Use ``\settextfont' to load a font.}%
3964 }{}}
3965 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3966 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3967 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3968 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3969 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3970 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3971 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3972 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
3973 \ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3974 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3975 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3976 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3977 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3978 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3979 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3980 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3981 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3982 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3983 \ifpackageloaded{tikz}{\input{tikz.code-xepersian.def}}{}
3984 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3985 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
3986 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
3987 \ifclassloaded{article}{\input{article-xepersian.def}}{}
3988 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3989 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3990 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3991 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3992 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3993 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3994 \ifclassloaded{report}{\input{report-xepersian.def}}{}
3995 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3996 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3997 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3998 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3999 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4000 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4001 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4002 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4003 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4004 \ifclassloaded{boekest}{\input{boekest-xepersian.def}}{}
4005 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4006 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4007 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4008 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4009 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}

```




```

4010
4011 \def\xepersian@@fontsize@branch#1{%
4012   \@tempcnta\z@
4013   \@for\xepersian@tmp:=#1\do{%
4014     \KV@@sp@def\xepersian@frag{\xepersian@tmp}%
4015     \ifcase\@tempcnta\relax% cnta == 0
4016       \edef\xepersian@value{\xepersian@frag}%
4017       \setfontsize{\xepersian@frag}%
4018     \or% cnta == 1
4019       \setfontsize[\xepersian@frag]{\xepersian@value}%
4020     \else\fi
4021     \advance\@tempcnta\@ne}%
4022 }
4023
4024
4025 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4026 \ifcase\xepersian@tempb\relax
4027   \AutoMathDigits
4028 \or
4029   \DefaultMathDigits
4030 \or
4031   \PersianMathDigits
4032 \fi}
4033 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4034 \ifcase\xepersian@tempb\relax
4035   \AutoInlineMathDigits
4036 \or
4037   \DefaultInlineMathDigits
4038 \or
4039   \PersianInlineMathDigits
4040 \fi}
4041 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4042 \ifcase\xepersian@tempb\relax
4043   \AutoDisplayMathDigits
4044 \or
4045   \DefaultDisplayMathDigits
4046 \or
4047   \PersianDisplayMathDigits
4048 \fi}
4049 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4050 \ifcase\xepersian@tempb\relax
4051   \@RTLtrue
4052 \or
4053   \@RTLfalse
4054 \fi}
4055
4056 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4057 \ifcase\xepersian@tempb\relax
4058   \@RTLtrue
4059 \or
4060   \@RTLfalse
4061 \fi}
4062
4063

```



```

4064 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4065 \ifcase\xepersian@tempb\relax
4066   \@RTLtabtrue
4067 \or
4068   \@RTLtabfalse
4069 \fi}
4070
4071 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}{latin}
4072 \ifcase\xepersian@tempb\relax
4073   \@nonlatinfalse
4074 \or
4075   \@nonlatintrue
4076 \fi}
4077
4078 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4079 \ifcase\xepersian@tempb\relax
4080   \@RTLtrue
4081 \or
4082   \@RTLfalse
4083 \fi}
4084 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,le
4085 \ifcase\xepersian@tempb\relax
4086   \autofootnoterule
4087 \or
4088   \leftfootnoterule
4089 \or
4090   \rightfootnoterule
4091 \or
4092   \SplitFootnoteRule
4093 \or
4094   \textwidthfootnoterule
4095 \fi}
4096 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
4097 \ifcase\xepersian@tempb\relax
4098   \@RTL@footnotetrue
4099 \or
4100   \@RTL@footnotefalse
4101 \fi}
4102 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on
4103 \ifcase\xepersian@tempb\relax
4104   \footdir@debugtrue
4105 \or
4106   \footdir@debugfalse
4107 \fi}
4108 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4109 \ifcase\xepersian@tempb\relax
4110   \input{kashida-xepersian.def}
4111 \fi}
4112 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4113 \ifcase\xepersian@tempb\relax
4114   \input{localise-xepersian.def}
4115 \fi}
4116 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,
4117 \ifcase\xepersian@tempb\relax

```



```

4118 \extrafootnotefeaturestrue
4119 \or
4120 \extrafootnotefeaturesfalse
4121 \fi}
4122 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4123 \ifcase\xepersian@tempb\relax
4124 \PackageWarning{xepersian}{Obsolete option}%
4125 \ifwritexviii%
4126 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4127 \renewcommand\printindex{\newpage%
4128 \immediate\closeout\@indexfile
4129 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4130 \@input@{\jobname.ind}}}%
4131 \else
4132 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4133 \fi
4134 \fi}
4135 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,of
4136 \ifcase\xepersian@tempb\relax
4137 \ifwritexviii%
4138 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4139 \renewcommand\printindex{\newpage%
4140 \immediate\closeout\@indexfile
4141 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobna
4142 \@input@{\jobname.ind}}}%
4143 \else
4144 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4145 \fi
4146 \fi}
4147 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,of
4148 \ifcase\xepersian@tempb\relax
4149 \ifwritexviii%
4150 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4151 \renewcommand\printindex{\newpage%
4152 \immediate\closeout\@indexfile
4153 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobna
4154 \@input@{\jobname.ind}}}%
4155 \else
4156 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4157 \fi
4158 \fi}
4159 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4160 \ifcase\xepersian@tempb\relax
4161 \def\PersianAlphs{%
4162 \let\@alph\@abjad%
4163 \let\@Alph\@abjad%
4164 }
4165 \or
4166 \def\PersianAlphs{%
4167 \let\@alph\@Abjad%
4168 \let\@Alph\@Abjad%
4169 }
4170 \fi}
4171 \DeclareOptionX{defaultlatinfontfeatures}{%

```



```

4172 \defaultfontfeatures
4173   [\latinfont]
4174   {#1}
4175 }
4176
4177 \DeclareOptionX{mathfontsizescale}{%
4178   \def\xepersian@@math@fontsize@scale{#1}%
4179   }
4180
4181 \DeclareOptionX{fontsizescale}{%
4182   \def\xepersian@@fontsize@scale{#1}%
4183   }
4184
4185 \DeclareOptionX{fontsize}{%
4186   \xepersian@@fontsize@branch{#1}%
4187   }
4188
4189 \DeclareOptionX{latinfontsizescale}{%
4190   \def\xepersian@@latin@fontsize@scale{#1}%
4191   }
4192
4193 \DeclareOptionX{baselineskipscale}{%
4194   \def\xepersian@@baselineskip@scale{#1}%
4195   }
4196
4197 \DeclareOptionX{latinbaselineskipscale}{%
4198   \def\xepersian@@latin@baselineskip@scale{#1}%
4199   }
4200
4201 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4202   \ifcase\xepersian@tempb\relax
4203     \AtBeginDocument{\@bidi@inslogo@}%
4204   \or
4205     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4206   \fi}
4207
4208 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4209   \ifcase\xepersian@tempb\relax
4210     \@bidi@pdfm@marktrue
4211   \or
4212     \@bidi@pdfm@markfalse
4213   \fi}
4214
4215 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4216   \ifcase\xepersian@tempb\relax
4217     \@xepersian@@computeautoilgtrue
4218   \or
4219     \@xepersian@@computeautoilgfalse
4220   \fi}
4221
4222 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4223   \ifcase\xepersian@tempb\relax
4224     \def\bidi@firstcolumn@status@write{%
4225       \protected@write\@auxout{}%

```



```

4226         {\string\bidicolumn@status
4227         {1}}}%
4228 \def\bidilastcolumn@status@write{%
4229     \protected@write\@auxout{%
4230         {\string\bidicolumn@status{2}}}%
4231     \or
4232     \let\bidifirstcolumn@status@write\relax
4233     \let\bidilastcolumn@status@write\relax
4234 \fi}
4235
4236
4237 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4238 \ifcase\xepersian@tempb\relax
4239     \bidi@AtEndPreamble{%
4240         \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4241             {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4242     }
4243 \or
4244     \relax
4245 \fi}
4246
4247 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}[
4248 \ifcase\xepersian@tempb\relax
4249     \@bidi@perpage@footnotetrue
4250 \or
4251     \@bidi@perpage@footnotefalse
4252 \fi}
4253
4254 \ExecuteOptionsX{%
4255     documentdirection=righttoleft,
4256     tabledirection=righttoleft,
4257     script=nonlatin,
4258     footnotedirection=righttoleft,
4259     footnoterule=automatic,
4260     abjadvariant=two,
4261     DetectColumn=off,
4262     fontsizescale=\@one,
4263     latinfontsizescale=\@one,
4264     mathfontsizescale=\@one,
4265     baselineskip=scale=\@one,
4266     latinbaselineskip=scale=\@one
4267 }
4268
4269 \ProcessOptionsX
4270
4271 \if@extrafootnotefeatures
4272     \input{extrafootnotefeatures-xetex-bidi.def}%
4273     \input{extrafootnotefeatures-xepersian.def}%
4274 \fi
4275
4276 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4277     \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4278 }{}{}
4279

```



```

4280 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4281 \@tempkipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4282 }{}{}
4283
4284
4285 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4286 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4287 \dimexpr 1pt * \dimexpr #1 pt\relax /
4288 \dimexpr \xepersian@@fontsize@scale pt\relax
4289 \relax\relax
4290 }
4291
4292 \bidi@patchcmd{\getanddefine@fonts}{%
4293 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4294 }{%
4295 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4296 }{}{}
4297
4298 \bidi@patchcmd{\getanddefine@fonts}{%
4299 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4300 }{%
4301 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4302 }{}{}
4303
4304 \bidi@patchcmd{\getanddefine@fonts}{%
4305 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4306 }{%
4307 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4308 }{}{}
4309
4310
4311 \ifxepersian@@computeautoilg
4312 \bidi@patchcmd{\set@fontsize}{%
4313 \baselineskip\f@baselineskip\relax
4314 }{%
4315 \baselineskip\f@baselineskip\relax
4316 \xepersian@computeautoilg
4317 \ifdim\xepersian@strutilg>\baselineskip
4318 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4319 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4320 \baselineskip\xepersian@strutilg
4321 \ifdim\footnotesep=.7\baselineskip
4322 \else
4323 \footnotesep=.7\baselineskip
4324 \fi
4325 \fi
4326 }{}{}
4327 \fi
4328
4329 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4330 \PersianAlphs

```

60 File xepersian-magazine.cls



```

4331 \NeedsTeXFormat{LaTeX2e}
4332 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4333 \RequirePackage{ifthen}
4334 \newlength{\xepersian@imgsize}
4335 \newlength{\xepersian@coltitsize}
4336 \newlength{\xepersian@pageneed}
4337 \newlength{\xepersian@pageleft}
4338 \newlength{\xepersian@indexwidth}
4339 \newcommand{\xepersian@ncolumns}{0}
4340 \newlength{\columnlines}
4341 \setlength{\columnlines}{0 pt} % no lines by default
4342 \newboolean{xepersian@hyphenatedtitles}
4343 \setboolean{xepersian@hyphenatedtitles}{true}
4344 \newboolean{xepersian@ninepoints}
4345 \setboolean{xepersian@ninepoints}{false}
4346 \newboolean{xepersian@showgrid}
4347 \setboolean{xepersian@showgrid}{false}
4348 \newboolean{xepersian@a3paper}
4349 \setboolean{xepersian@a3paper}{false}
4350 \newboolean{xepersian@insidefrontpage}
4351 \setboolean{xepersian@insidefrontpage}{false}
4352 \newboolean{xepersian@insideweather}
4353 \setboolean{xepersian@insideweather}{false}
4354 \newboolean{xepersian@insideindex}
4355 \setboolean{xepersian@insideindex}{false}
4356 \newcount\xepersian@gridrows
4357 \newcount\xepersian@gridcolumns
4358 \xepersian@gridrows=40
4359 \xepersian@gridcolumns=50
4360 \newcount\minraggedcols
4361 \minraggedcols=5
4362 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4363 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4364 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4365 \DeclareOption{twocolumn}%
4366 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4367 \DeclareOption{notitlepage}%
4368 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4369 \DeclareOption{twoside}%
4370 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4371 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4372 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4373 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4374 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4375 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4376 \ProcessOptions\relax
4377 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4378 \RequirePackage{ifxetex}
4379 \RequirePackage{multido}
4380 \RequirePackage{datetime}
4381 \RequirePackage{multicol}
4382 \RequirePackage{fancyhdr}
4383 \RequirePackage{fancybox}
4384 \ifthenelse{\boolean{xepersian@a3paper}}{%

```



```

4385 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4386 }{
4387 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4388 }
4389 \RequirePackage[absolute]{textpos} % absolute positioning
4390 \RequirePackage{hyphenat} % when hyphenate
4391 \RequirePackage{lastpage} % to know the last page number
4392 \RequirePackage{setspace} % set space between lines
4393 \RequirePackage{ragged2e}
4394 \newcommand{\raggedFormat}{\RaggedLeft}
4395 \AtEndOfClass{\xepersianInit}
4396 \ifthenelse{\boolean{xepersian@showgrid}}{%
4397 \AtBeginDocument{
4398 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4399 \advance\minraggedcols by -1
4400 }{%
4401 \AtBeginDocument{
4402 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4403 \advance\minraggedcols by -1
4404 }
4405 \ifthenelse{\boolean{xepersian@ninepoints}}{
4406 \renewcommand{\normalsize}{%
4407 \setfontsize{\normalsize}{9pt}{10pt}%
4408 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4409 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4410 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4411 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4412
4413 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4414
4415 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4416
4417 \renewcommand{\small}{%
4418 \setfontsize{\small}{8pt}{9pt}%
4419 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4420 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4421 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4422 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4423
4424 \renewcommand{\footnotesize}{%
4425 \setfontsize{\footnotesize}{8pt}{9pt}%
4426 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4427 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4428 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4429 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4430
4431 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4432 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4433 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4434 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4435 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4436 }{
4437 \def\customwwwTxt#1{\gdef\customwwwTxt{\lr{#1}}}
4438 \newcommand{\xepersian@wwwFormat}{\sffamily}

```




```

4439 \newcommand{\xepersian@www}{%
4440 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4441 }
4442 \newcommand{\xepersian@edition}{
4443 \newcommand{\editionFormat}{\large\bfseries\texttt}
4444 \newcommand{\xepersian@editionLogo}{%
4445 \raisebox{-3pt}{%
4446 {\editionFormat\xepersian@edition}%
4447 }%
4448 }
4449 \newcommand{\indexFormat}{\large\bfseries}
4450 \newcommand{\xepersian@indexFrameTitle}[1]
4451 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4452
4453 \newcommand{\indexEntryFormat}{\normalsize}
4454 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4455 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4456 \end{minipage}}
4457 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4458 \newcommand{\indexEntryPageTxt}{
4459 \newcommand{\indexEntryPageFormat}{\footnotesize}
4460 \newcommand{\xepersian@indexEntryPage}[1]{%
4461 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4462 }
4463 \newcommand{\headDateTimeFormat}{
4464 \newcommand{\xepersian@headDateTime}{%
4465 \headDateTimeFormat\date\hspace{5pt}\$ \parallel \$\hspace{5pt}%
4466 \currenttime %
4467 }
4468 \newcommand{\weatherFormat}{\bfseries}
4469 \newcommand{\xepersian@weather}[1]{%
4470 \noindent{\weatherFormat #1}%
4471 }
4472 \newcommand{\weatherTempFormat}{\small}
4473 \newcommand{\weatherUnits}{\textdegree{C}}
4474 \newcommand{\xepersian@section}[0]{
4475 \newcommand{\xepersian@headleft}{%
4476 {\small\bfseries \@custommagaziname} \date
4477 }
4478 \newcommand{\xepersian@headcenter}{%
4479 \xepersian@section{}
4480 }
4481 \newcommand{\xepersian@headright}{%
4482 \small\xepersian@edition%
4483 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4484 }
4485
4486 \newcommand{\heading}[3]{%
4487 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4488 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4489 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4490 }
4491 \newcommand{\xepersian@footright}{%
4492 {\footnotesize\lr{\copyright\ \@customwwwTxt}}-- - \lr{\XePersian}}%

```



```

4493 }
4494 \newcommand{\xepersian@footcenter}{%
4495 }
4496 \newcommand{\xepersian@footleft}{%
4497 }
4498
4499 \newcommand{\foot}[3]{%
4500 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4501 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4502 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4503 }
4504 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4505 \newcommand{\xepersian@firstTitle}[1]{%
4506 {%
4507 \begin{spacing}{2.0}{%
4508 \noindent\ignorespaces
4509 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{
4510 {\nohyphens{\firstTitleFormat #1}}{
4511 {\firstTitleFormat #1}}{
4512 }%
4513 \end{spacing}%
4514 }%
4515 }
4516 \newcommand{\firstTextFormat}{%
4517 \newcommand{\xepersian@firstText}[1]{%
4518 {\noindent\ignorespaces\firstTextFormat #1}%
4519 }
4520 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4521 \newcommand{\xepersian@secondTitle}[1]{%
4522 \begin{spacing}{1.5}{%
4523 \noindent\ignorespaces\flushright
4524 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{
4525 {\nohyphens{\secondTitleFormat #1}}{
4526 {\secondTitleFormat #1}}{
4527 }\end{spacing}%
4528 }
4529 \newcommand{\secondSubtitleFormat}{\large}
4530 \newcommand{\xepersian@secondSubtitle}[1]{%
4531 {\noindent\ignorespaces{\secondSubtitleFormat #1}}{
4532 }
4533 \newcommand{\secondTextFormat}{%
4534 \newcommand{\xepersian@secondText}[1]{%
4535 \begin{multicols}{2}
4536 {\noindent\ignorespaces\secondTextFormat #1}
4537 \end{multicols}
4538 }
4539 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4540 \newcommand{\xepersian@thirdTitle}[1]{%
4541 \begin{spacing}{1.5}{%
4542 \noindent\ignorespaces\flushright
4543 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{
4544 {\nohyphens{\thirdTitleFormat #1}}{
4545 {\thirdTitleFormat #1}}{
4546 }\end{spacing}%

```



```

4547 }
4548 \newcommand{\thirdSubtitleFormat}{\large}
4549 \newcommand{\xepersian@thirdSubtitle}[1]{%
4550 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4551 \newcommand{\thirdTextFormat}{%
4552 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4553 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4554 \newcommand{\xepersian@pictureCaption}[1]{%
4555 {\noindent\pictureCaptionFormat #1}}
4556 }
4557 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4558 \newcommand{\xepersian@pages}[1]{%
4559 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4560 \newcommand{\innerTitleFormat}{\Huge}
4561 \newcommand{\xepersian@innerTitle}[1]{%
4562 \begin{flushright}{%
4563 \noindent
4564 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{
4565 {\nohyphens{\innerTitleFormat #1}}{
4566 {\innerTitleFormat #1}}}%
4567 }%
4568 \\%
4569 \end{flushright}}%
4570 }
4571 \newcommand{\innerSubtitleFormat}{\large}
4572 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4573 \newcommand{\timestampTxt}{%
4574 \newcommand{\timestampSeparator}{|}%
4575 \newcommand{\timestampFormat}{\small}
4576 \newcommand{\timestamp}[1]{%
4577 {\timestampFormat%
4578 #1~\timestampTxt}%
4579 }~\timestampSeparator}%
4580 }
4581 \newcommand{\innerAuthorFormat}{\footnotesize}
4582 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4583 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4584 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4585 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4586 \newcommand{\editorialAuthorFormat}{\textsc}
4587 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4588 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4589 \newcommand{\shortarticleSubtitleFormat}{\Large}
4590 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4591 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4592 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4593 \renewcommand{\maketitle}{\begin{titlepage}%
4594 \let\footnotesize\small
4595 \let\footnoterule\relax
4596 \let \footnote \thanks
4597 \null\vfil
4598 \vskip 60\p@
4599 \begin{center}%
4600 {\LARGE \@title \par}%

```



```

4601 \vskip 1em%
4602 {\LARGE «\xepersian@edition» \par}%
4603 \vskip 3em%
4604 {\large
4605 \lineskip .75em%
4606 \begin{tabular}[t]{c}%
4607 \@author
4608 \end{tabular}\par}%
4609 \vskip 1.5em%
4610 {\large \@date \par}%
4611 \end{center}\par
4612 \@thanks
4613 \vfil\null
4614 \end{titlepage}%
4615 \setcounter{footnote}{0}%
4616 \global\let\thanks\relax
4617 \global\let\maketitle\relax
4618 \global\let\@thanks\@empty
4619 \global\let\@author\@empty
4620 \global\let\@date\@empty
4621 \global\let\@title\@empty
4622 \global\let\title\relax
4623 \global\let\author\relax
4624 \global\let\date\relax
4625 \global\let\and\relax
4626 }
4627 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4628 \newsavebox{\xepersian@fmbox}
4629 \newenvironment{xepersian@fmpage}[1]
4630 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4631 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4632 \newcommand{\image}[2]{
4633 \vspace{5pt}
4634 \setlength{\fboxsep}{1pt}
4635 \addtolength{\xepersian@imgsize}{\columnwidth}
4636 \addtolength{\xepersian@imgsize}{-1\columnsep}
4637 \ifxetex
4638 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4639 \addtolength{\xepersian@pageneed}{50pt}
4640 \ClassWarning{xepersian-magazine}{%
4641 Image #1 needs: \the\xepersian@pageneed \space %
4642 and there is left: \the\page@free\space%
4643 }
4644 \ifdim \xepersian@pageneed < \page@free
4645
4646 {\centering\fbox{%
4647 \includegraphics[width = \xepersian@imgsize,
4648 height = \xepersian@imgsize,
4649 keepaspectratio ]{#1}}}
4650 \xepersian@pictureCaption{#2}
4651
4652 \vspace{5pt}
4653 \else
4654 \ClassWarning{Image #1 needs more space!%

```



```

4655 It was not inserted!}
4656 \fi
4657 \fi
4658 }
4659 \textblockorigin{1cm}{1cm}
4660 \newdimen\xepersian@dx
4661 \newdimen\xepersian@dy
4662 \newcount\xepersian@cx
4663 \newcount\xepersian@cy
4664 \newcommand{\grid}[3][ ]{
4665 \xepersian@dx=\textwidth%
4666 \xepersian@dy=\textheight%
4667 \xepersian@cx=#3% %columns
4668 \xepersian@cy=#2% %rows
4669
4670 \count1=#3%
4671 \advance\count1 by 1
4672
4673 \count2=#2%
4674 \advance\count2 by 1
4675
4676 \divide\xepersian@dx by #3
4677 \divide\xepersian@dy by #2
4678
4679 \setlength{\TPHorizModule}{\xepersian@dx}
4680 \setlength{\TPVertModule}{\xepersian@dy}
4681
4682 \ifthenelse{\equal{#1}{show}}{
4683 \multido{\xepersian@nrow=0+1}{\count2}{
4684 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4685 \rule[0pt]{\textwidth}{.1pt}
4686 \end{textblock}
4687 }
4688
4689 \multido{\xepersian@ncol=0+1}{\count1}{
4690 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4691 \rule[0pt]{.1pt}{\textheight}
4692 \end{textblock}
4693 }
4694 }{}
4695 }
4696 \newcommand{\xepersianInit}{
4697 \setlength{\headheight}{14pt}
4698 \renewcommand{\headrulewidth}{0.4pt}
4699
4700 \pagestyle{fancy}
4701
4702 \setlength{\columnseprule}{\columnlines}
4703 \setlength{\fboxrule}{0.1 pt}
4704
4705 }
4706
4707 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4708 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}

```



```

4709 \def\custommagazinenam#1{\gdef\@custommagazinenam{\beginR#1\endR}}
4710 \newcommand{\logo}[0]{
4711 %% Heading %%
4712 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4713
4714 \vspace*{-3pt}
4715
4716 {\Large\bfseries \@customlogo}
4717 \hrulefill
4718 \hspace{10pt}\xepersian@headDateTime
4719
4720 }
4721 \newcommand{\minilogo}[0]{
4722 {\large\bfseries \@customminilogo}
4723
4724 \vspace*{5pt}
4725 }
4726 \newcommand{\mylogo}[1]{
4727 {\beginR#1\endR}
4728
4729 \noindent
4730 \xepersian@editionLogo\hspace{5pt}
4731 \hrulefill
4732 \hspace{5pt}\xepersian@headDateTime
4733 }
4734 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4735 \newenvironment{frontpage}[0]
4736 {
4737 \setboolean{xepersian@insidefrontpage}{true}
4738 \thispagestyle{empty}
4739 \logo
4740
4741 }%
4742 {
4743 \thispagestyle{empty}
4744 \clearpage
4745 \newpage
4746 \fancyhead{}
4747 \fancyfoot{}
4748 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4749 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4750 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4751 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4752 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4753 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4754 \renewcommand{\headrulewidth}{0.4pt}
4755 \setboolean{xepersian@insidefrontpage}{false}
4756
4757 }
4758 \newcommand{\firstarticle}[3]
4759 {
4760 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4761 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4762 \begin{textblock}{24}(22,5)

```



```

4763 }
4764 {
4765 \begin{textblock}{28}(22,5)
4766 }
4767 \vspace{-7pt}
4768 \xepersian@firstTitle{#1}
4769 \end{textblock}
4770 \begin{textblock}{29}(22,10)
4771 \vspace{5pt plus 2pt minus 2pt}
4772
4773 \xepersian@firstText{\timestamp{#3}~#2}
4774
4775 \end{textblock}
4776
4777 \begin{textblock}{50}(0,15)
4778 \rule{50\TPHorizModule}{.3pt}
4779 \end{textblock}
4780 }{%else
4781 \ClassError{xepersian-magazine}{%
4782 \protect\firstarticle\space in a wrong place.\MessageBreak
4783 \protect\firstarticle\space may only appear inside frontpage environment.
4784 }{%
4785 \protect\firstarticle\space may only appear inside frontpage environment.
4786 }%
4787 }
4788 }
4789 \newcommand{\secondarticle}[5]
4790 {
4791 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4792 \begin{textblock}{33}(2,16)
4793 \xepersian@pages{#4}
4794 \vspace{-5pt}
4795 \xepersian@secondTitle{#1}
4796
4797 \vspace*{5pt}
4798
4799 \xepersian@secondSubtitle{#2}
4800
4801 \vspace*{-7pt}
4802
4803 \xepersian@secondText{\timestamp{#5}~#3}
4804
4805 \end{textblock}
4806
4807 \begin{textblock}{33}(2,25)
4808 \vspace{5pt plus 2pt minus 2pt}
4809
4810 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4811 \end{textblock}
4812 }{%else
4813 \ClassError{xepersian-magazine}{%
4814 \protect\secondarticle\space in a wrong place.\MessageBreak
4815 \protect\secondarticle\space may only appear inside frontpage environment.
4816 }{%

```



```

4817 \protect\secondarticle\space may only appear inside frontpage environment.
4818 }%
4819 }
4820 }
4821 \newcommand{\thirdarticle}[6]
4822 {
4823 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4824 \begin{textblock}{32}(2,26)
4825 \xepersian@pages{#5}
4826 \vspace{-5pt}
4827 \setlength{\fboxsep}{1pt}
4828 \xepersian@thirdTitle{#1}
4829
4830 \vspace*{5pt}
4831
4832 \xepersian@thirdSubtitle{#2}
4833
4834 \vspace*{5pt}
4835
4836 {\noindent\ignorespaces %
4837 \ifthenelse{\equal{#4}{}}{}{}
4838
4839 \xepersian@thirdText{\timestamp{#6}~#3}
4840
4841 }
4842
4843 \vspace*{5pt}
4844
4845 \end{textblock}
4846 }{%else
4847 \ClassError{xepersian-magazine}{%
4848 \protect\thirdarticle\space in a wrong place.\MessageBreak
4849 \protect\thirdarticle\space may only appear inside frontpage environment.
4850 }{%
4851 \protect\thirdarticle\space may only appear inside frontpage environment.
4852 }%
4853 }
4854 }
4855 \newcommand{\firstimage}[2]
4856 {
4857 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4858 \begin{textblock}{18}(2,5)
4859 \setlength{\fboxsep}{1pt}
4860 \ifxetex % only in PDF
4861 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4862 \fi
4863
4864 \xepersian@pictureCaption{#2}
4865 \end{textblock}%
4866 }
4867 {\ClassError{xepersian-magazine}{%
4868 \protect\firstimage\space in a wrong place.\MessageBreak
4869 \protect\firstimage\space may only appear inside frontpage environment.
4870 }{%

```




```

4871 \protect\firstimage\space may only appear inside frontpage environment.
4872 }}
4873 }%
4874 \newcommand{\weatheritem}[5]{%
4875 \ifthenelse{\boolean{xepersian@insideweather}}{%
4876 \begin{minipage}{45pt}
4877 \ifxetex
4878 \includegraphics[width=40pt]{#1}
4879 \fi
4880 \end{minipage}
4881 \begin{minipage}{50pt}
4882 \weatherTempFormat
4883 #2\\
4884 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4885 #5
4886 \end{minipage}
4887 }{%else
4888 \ClassError{xepersian-magazine}{%
4889 \protect\weatheritem\space in a wrong place.\MessageBreak
4890 \protect\weatheritem\space may only appear inside weatherblock environment.
4891 }{%
4892 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4893 weatherblock environment may only appear inside frontpage environment.
4894 }%
4895 }
4896 }
4897 \newenvironment{weatherblock}[1]
4898 {
4899 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4900 \setboolean{xepersian@insideweather}{true}
4901 \begin{textblock}{32}(2,38)
4902 \vspace*{-15pt}
4903
4904 \xepersian@weather{\beginR#1\endR}
4905
4906 \vspace*{5pt}
4907
4908 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4909 \begin{minipage}{32\TPHorizModule}
4910 \hspace{5pt}
4911
4912 }{%
4913 \ClassError{xepersian-magazine}{%
4914 weatherblock in a wrong place.\MessageBreak
4915 weatherblock may only appear inside frontpage environment.
4916 }{%
4917 weatherblock may only appear inside frontpage environment.
4918 }
4919 }
4920 }%
4921 {
4922 \end{minipage}
4923 \end{xepersian@fmpage}
4924 \end{textblock}

```



```

4925 \setboolean{xepersian@insideweather}{false}
4926 }
4927 \newenvironment{authorblock}[0]
4928 {
4929 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4930 \begin{textblock}{15}(36,35)
4931 \setlength{\fboxsep}{5pt}
4932 \begin{xepersian@fmpage}{13\TPHorizModule}
4933 \begin{minipage}{13\TPHorizModule}
4934 \centering
4935 \minilogo
4936
4937 }{%else
4938 \ClassError{xepersian-magazine}{%
4939 authorblock in a wrong place.\MessageBreak
4940 authorblock may only appear inside frontpage environment.
4941 }{%
4942 authorblock may only appear inside frontpage environment.
4943 }
4944 }
4945 }
4946 {
4947 \end{minipage}
4948 \end{xepersian@fmpage}
4949 \end{textblock}
4950 }
4951 \newenvironment{indexblock}[1]
4952 {
4953 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4954 \setboolean{xepersian@insideindex}{true}%let's in
4955 \begin{textblock}{15}(36,16)
4956 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4957 \xepersian@indexFrameTitle{#1}
4958
4959 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4960 \begin{xepersian@fmpage}{xepersian@indexwidth}
4961 \begin{minipage}{xepersian@indexwidth}
4962 \vspace*{10pt}
4963 }{%else
4964 \ClassError{xepersian-magazine}{%
4965 indexblock in a wrong place.\MessageBreak
4966 indexblock may only appear inside frontpage environment.
4967 }{%
4968 indexblock may only appear inside frontpage environment.
4969 }
4970 }
4971 }%
4972 {
4973 \end{minipage}
4974 \end{xepersian@fmpage}
4975 \end{textblock}
4976 \setboolean{xepersian@insideindex}{false}%let's out
4977 }
4978 \newcommand{\indexitem}[2]

```



```

4979 {
4980 \ifthenelse{\boolean{xepersian@insideindex}}{
4981 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4982
4983 \vspace{0.5cm}
4984
4985 \noindent\ignorespaces\indexEntrySeparator{}
4986 }{%else
4987 \ClassError{xepersian-magazine}{%
4988 \protect\indexitem\space in a wrong place.\MessageBreak
4989 \protect\indexitem\space may only appear inside indexblock environment.
4990 }{%
4991 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4992 indexblock environment may only appear inside frontpage environment.
4993 }%
4994 }
4995 }
4996 \newcommand{\xepersian@inexpandedtitle}[1]{
4997 \begin{minipage}{.95\textwidth}
4998 \begin{center}
4999 \noindent\Large\textbf{\beginR#1\endR}
5000 \end{center}
5001 \end{minipage}
5002 }
5003 \newcommand{\expandedtitle}[2]{
5004 \end{multicols}
5005
5006 \begin{center}
5007 \setlength{\fboxsep}{5pt}
5008 \setlength{\shadowsize}{2pt}
5009 \ifthenelse{\equal{#1}{shadowbox}}{%
5010 \shadowbox{%
5011 \xepersian@inexpandedtitle{#2}%
5012 }%
5013 }{
5014 \ifthenelse{\equal{#1}{doublebox}}{%
5015 \doublebox{%
5016 \xepersian@inexpandedtitle{#2}%
5017 }%
5018 }{
5019 \ifthenelse{\equal{#1}{ovalbox}}{%
5020 \ovalbox{%
5021 \xepersian@inexpandedtitle{#2}%
5022 }%
5023 }{
5024 \ifthenelse{\equal{#1}{Ovalbox}}{%
5025 \Ovalbox{%
5026 \xepersian@inexpandedtitle{#2}%
5027 }%
5028 }{
5029 \ifthenelse{\equal{#1}{lines}}{
5030 \hrule
5031 \vspace*{8pt}
5032 \begin{center}

```



```

5033 \noindent\Large\textbf{#2}
5034 \end{center}
5035 \vspace*{8pt}
5036 \hrule
5037 }{}
5038 \end{center}
5039
5040 \begin{multicols}{\xepersian@ncolumns{}}
5041 \ifnum \xepersian@ncolumns > \minraggedcols
5042 \raggedFormat
5043 \fi
5044 }
5045 \newcommand{\xepersian@incolumntitle}[2]{
5046 \begin{minipage}{#1}
5047 \begin{center}
5048 \noindent\normalsize\textbf{#2}
5049 \end{center}
5050 \end{minipage}
5051 }
5052
5053 \newcommand{\columnntitle}[2]{
5054 \vspace*{5pt}
5055 \begin{center}
5056 \setlength{\fboxsep}{5pt}
5057 \setlength{\shadowsize}{2pt}
5058 \addtolength{\xepersian@coltitsize}{\columnwidth}
5059 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5060 \addtolength{\xepersian@coltitsize}{-5pt}
5061 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5062 \ifthenelse{\equal{#1}{shadowbox}}{%
5063 \shadowbox{%
5064 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5065 }%
5066 }{}
5067 \ifthenelse{\equal{#1}{doublebox}}{%
5068 \doublebox{%
5069 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5070 }%
5071 }{}
5072 \ifthenelse{\equal{#1}{ovalbox}}{%
5073 \ovalbox{%
5074 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5075 }%
5076 }{}
5077 \ifthenelse{\equal{#1}{Ovalbox}}{%
5078 \Ovalbox{%
5079 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5080 }%
5081 }{}
5082 \ifthenelse{\equal{#1}{lines}}{
5083 \hrule
5084 \vspace*{5pt}
5085 \begin{center}
5086 \noindent\normalsize\textbf{#2}

```



```

5087 \end{center}
5088 \vspace*{5pt}
5089 \hrule
5090 }{}
5091 \end{center}
5092 }
5093 \renewcommand{\date}{%
5094 \longdate{\today}%
5095 }
5096 \newcommand{\authorandplace}[2]{%
5097 \rightline{%
5098 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5099 }%
5100 \par %
5101 }
5102 \newcommand{\newsection}[1]{
5103 \renewcommand{\xepersian@section}{#1}
5104 }
5105 \newenvironment{article}[5]
5106 {
5107 \xepersian@say{Adding a new piece of article}
5108 \renewcommand{\xepersian@ncolumns}{#1}
5109 \begin{multicols}{#1}[
5110 \xepersian@pages{#4}
5111 \xepersian@innerTitle{#2}%
5112 \xepersian@innerSubtitle{#3}%
5113 ] [4cm]%
5114 \label{#5}
5115 \ifnum #1 > \minraggedcols
5116 \raggedFormat
5117 \fi
5118 }
5119 {\sim\innerTextFinalMark{}
5120 \end{multicols}
5121 }
5122 \newcommand{\articlesep}{%
5123 \setlength{\xepersian@pageneed}{16000pt}
5124 \setlength{\xepersian@pageleft}{\pagegoal}
5125 \addtolength{\xepersian@pageleft}{-\pagetotal}
5126
5127 \xepersian@say{How much left \the\xepersian@pageleft}
5128
5129 \ifdim \xepersian@pageneed < \xepersian@pageleft
5130 \xepersian@say{Not enough space}
5131 \else
5132 \xepersian@say{Adding sep line between articles}
5133 \vspace*{10pt plus 10pt minus 5pt}
5134 \hrule
5135 \vspace*{10pt plus 5pt minus 5pt}
5136 \fi
5137
5138 }
5139 \newcommand{\xepersian@editorialTit}[2]{
5140 \setlength{\arrayrulewidth}{.1pt}

```



```

5141 \begin{center}
5142 \begin{tabular}{c}
5143 \noindent
5144 \xepersian@editorialTitle{#1}
5145 \vspace{2pt plus 1pt minus 1pt}
5146 \\
5147 \hline
5148 \vspace{2pt plus 1pt minus 1pt}
5149 \\
5150 \editorialAuthorFormat{#2}
5151 \end{tabular}
5152 \end{center}
5153 }
5154 \newenvironment{editorial}[4]
5155 {
5156 \xepersian@say{Adding a new editorial}
5157 \begin{multicols}{#1}[%
5158 \xepersian@editorialTit{#2}{#3}%
5159 ] [4cm]
5160 \label{#4}
5161 \ifnum #1 > \minraggedcols
5162 \raggedFormat
5163 \fi
5164 }
5165 {
5166 \end{multicols}
5167 }
5168 \newcommand{\xepersian@shortarticleTit}[2]{
5169 \begin{center}
5170 \vbox{%
5171 \noindent
5172 \xepersian@shortarticleTitle{#1}
5173 \vspace{4pt plus 2pt minus 2pt}
5174 \hrule
5175 \vspace{4pt plus 2pt minus 2pt}
5176 \xepersian@shortarticleSubtitle{#2}
5177 }
5178 \end{center}
5179 }
5180 \newenvironment{shortarticle}[4]
5181 {
5182 \xepersian@say{Adding a short article block}
5183 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5184 \label{#4}
5185 \par %
5186 \ifnum #1 > \minraggedcols
5187 \raggedFormat
5188 \fi
5189 }
5190 {
5191 \end{multicols}
5192 }
5193 \newcommand{\shortarticleitem}[2]{
5194 \goodbreak

```



```

5195 \vspace{5pt plus 3pt minus 3pt}
5196 {\vbox{\noindent\expersian@shortarticleItemTitle{#1}}}
5197 \vspace{5pt plus 3pt minus 3pt}
5198 {\noindent #2}\\
5199 }

```

61 File xepersian-mathdigitsspec.sty

```

5200 \NeedsTeXFormat{LaTeX2e}
5201 \ProvidesPackage{xepersian-mathdigitsspec}
5202 [2022/02/04 v1.1.9 Unicode Persian math digits in XeLaTeX]
5203 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5204 \let\newfam\new@mathgroup
5205 \def\select@group#1#2#3#4{%
5206   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5207   {%
5208     \ifmmode
5209       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5210         \begingroup
5211           \escapechar\m@ne
5212           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5213           \globaldefs\@ne \math@fonts
5214         \endgroup
5215         \init@restore@version
5216         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5217           {\number\csname c@mv@\math@version\endcsname}}%
5218         \global\advance\csname c@mv@\math@version\endcsname\@ne
5219       \else
5220         \let#1\relax
5221         \@latex@error{Too many math alphabets used in
5222           version \math@version}%
5223         \@eha
5224       \fi
5225     \else \expandafter\non@alpherr\fi
5226     #1{#4}%
5227   }%
5228 }
5229 \def\document@select@group#1#2#3#4{%
5230   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5231   {%
5232     \ifmmode
5233       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5234         \begingroup
5235           \escapechar\m@ne
5236           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5237           \globaldefs\@ne \math@fonts
5238         \endgroup
5239         \expandafter\extract@alph@from@version
5240           \csname mv@\math@version\expandafter\endcsname
5241           \expandafter{\number\csname
5242             c@mv@\math@version\endcsname}%
5243           #1%
5244         \global\advance\csname c@mv@\math@version\endcsname\@ne
5245       \else

```



```

5246 \let#1\relax
5247 \@latex@error{Too many math alphabets used
5248           in version \math@version}%
5249 \@eha
5250 \fi
5251 \else \expandafter\non@alpherr\fi
5252 #1{#4}%
5253 }%
5254 }
5255 \ExplSyntaxOn
5256 \bool_set_false:N \g__fontspec_math_bool
5257 \tl_map_inline:nn
5258 {
5259   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5260   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5261   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5262   \version@list\version@elt\alpha@list\alpha@elt
5263   \restore@mathversion\init@restore@version\dorestore@version\process@table
5264   \new@mathversion\DeclareSymbolFont\group@list\group@elt
5265   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5266   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5267   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5268   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5269   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5270   \set@mathdelimiter\DeclareMathRadical\mathchar@type
5271   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5272 }
5273 {
5274   \tl_remove_once:Nn \@preamblecmds {\do#1}
5275 }
5276 \ExplSyntaxOff
5277 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5278 \newcommand\SetMathCode[4]{%
5279   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5280 \newcommand\SetMathCharDef[4]{%
5281   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5282 \ExplSyntaxOn
5283 \cs_new_eq:NN \orig_mathbf:n \mathbf
5284 \cs_new_eq:NN \orig_mathit:n \mathit
5285 \cs_new_eq:NN \orig_mathrm:n \mathrm
5286 \cs_new_eq:NN \orig_mathsf:n \mathsf
5287 \cs_new_eq:NN \orig_mathtt:n \mathtt
5288 %\int_const:Nn \c_one_int { 1 }
5289 \NewDocumentCommand \new@mathbf { m } {
5290   \orig_mathbf:n {
5291     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5292       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5293     }
5294     #1
5295   }
5296 }
5297 \NewDocumentCommand \new@mathit { m } {
5298   \orig_mathit:n {
5299     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {

```




```

5300     \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5301   }
5302   #1
5303 }
5304 }
5305 \NewDocumentCommand \new@mathrm { m } {
5306   \orig_mathrm:n {
5307     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5308       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5309     }
5310     #1
5311   }
5312 }
5313 \NewDocumentCommand \new@mathsf { m } {
5314   \orig_mathsf:n {
5315     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5316       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5317     }
5318     #1
5319   }
5320 }
5321 \NewDocumentCommand \new@mathtt { m } {
5322   \orig_mathtt:n {
5323     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5324       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5325     }
5326     #1
5327   }
5328 }
5329
5330 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigitsspec}
5331 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5332 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5333 \char_set_catcode_space:n {32}
5334 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5335 {
5336   The font "#1" does not contain U+#2.
5337 }
5338 {
5339   Select another font and rerun xelatex.
5340 }
5341 \char_set_catcode_ignore:n {32}
5342
5343 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5344 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5345 {
5346   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5347   \prg_return_true:
5348   \else:
5349     \prg_return_false:
5350   \fi:
5351 }
5352
5353 \clist_new:N \l_xepersian_mathdigitsspec_char_clist

```



```

5354
5355 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5356 {
5357   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5358   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5359     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5360   }
5361 }
5362
5363 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5364 {
5365   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5366   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5367     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5368   }
5369 }
5370
5371 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5372 {
5373   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5374   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5375     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5376   }
5377 }
5378
5379 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5380 {
5381   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5382     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5383     06F9 , 066A , 066B
5384   } { #1 }
5385 }
5386
5387 \DeclareDocumentCommand \setmathdigitfont { 0{ } m 0{ } }
5388 {
5389   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5390 }
5391 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5392 {
5393   \let\glb@currsizel\relax
5394   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5395   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5396   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5397   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5398   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5399   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5400   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5401   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5402   \def\persianmathdigits{%
5403     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5404     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5405     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5406     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5407     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}

```



```

5408 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5409 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5410 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5411 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5412 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5413 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5414 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
5415 \tl_set_eq:NN \mathbf \new@mathbf
5416 \tl_set_eq:NN \mathit \new@mathit
5417 \tl_set_eq:NN \mathrm \new@mathrm}
5418 }
5419
5420 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5421
5422 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
5423 {
5424   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5425 }
5426 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5427 {
5428   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5429   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5430   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5431   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5432   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5433 }
5434
5435 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5436
5437 \DeclareDocumentCommand \setmathttdigitfont { O{} m O{} }
5438 {
5439   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5440 }
5441 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5442 {
5443   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5444   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5445   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5446   \__xepersian_mathtdigitsspec_char_not_exist_error:n { #2 }
5447   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5448 }
5449
5450 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5451
5452 \ExplSyntaxOff
5453 \ifx\newcommand\undefined\else
5454   \newcommand{\ZifferAn}{}
5455 \fi
5456 \mathchardef\ziffer@DotOri="013A
5457 {\ZifferAn
5458   \catcode\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
5459 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
5460 \def\ziffer@check#1#2{%
5461   \ifx\n1\endgroup#1\else

```



```

5462 \ifx\n2\endgroup#1\else
5463 \ifx\n3\endgroup#1\else
5464 \ifx\n4\endgroup#1\else
5465 \ifx\n5\endgroup#1\else
5466 \ifx\n6\endgroup#1\else
5467 \ifx\n7\endgroup#1\else
5468 \ifx\n8\endgroup#1\else
5469 \ifx\n9\endgroup#1\else
5470 \ifx\n0\endgroup#1\else
5471 \ifx\n\overline\endgroup#1\else
5472 \endgroup#2%
5473 \fi
5474 \fi
5475 \fi
5476 \fi
5477 \fi
5478 \fi
5479 \fi
5480 \fi
5481 \fi
5482 \fi
5483 \fi}
5484 \mathcode`.="8000\relax
5485 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
5486 \def\DefaultZifferLeer{.}
5487 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5488 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5489 \def\DefaultMathDigits{%
5490 \DefaultInlineMathDigits%
5491 \DefaultDisplayMathDigits%
5492 }
5493 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5494 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5495 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5496 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5497 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5498 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5499 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5500 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5501 \def\PersianMathDigits{%
5502 \PersianInlineMathDigits%
5503 \PersianDisplayMathDigits%
5504 }
5505 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5506 \ifx\persianmathdigits\undefined\else@if@nonlatin\persianmathdigits\fi\fi%
5507 \ifx\persianmathsfdigits\undefined\else@if@nonlatin\persianmathsfdigits\fi\fi%
5508 \ifx\persianmaththtdigits\undefined\else@if@nonlatin\persianmaththtdigits\fi\fi}}
5509 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5510 \ifx\persianmathdigits\undefined\else@if@nonlatin\persianmathdigits\fi\fi%
5511 \ifx\persianmathsfdigits\undefined\else@if@nonlatin\persianmathsfdigits\fi\fi%
5512 \ifx\persianmaththtdigits\undefined\else@if@nonlatin\persianmaththtdigits\fi\fi}}
5513 \def\AutoMathDigits{%
5514 \AutoInlineMathDigits%
5515 \AutoDisplayMathDigits%

```



```

5516 }
5517 \AutoMathDigits
5518 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5519 \let\SetDisplayMathDigits\relax%
5520 }
5521 \everydisplay\expandafter{%
5522 \the\everydisplay\SetDisplayMathDigits%
5523 \let\SetInlineMathDigits\relax%
5524 }
5525
5526 \ExplSyntaxOn
5527 \cs_new_eq:NN \orig_ZifferLeer \ZifferLeer
5528
5529 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5530 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5531 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5532 }
5533 \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5534 \tl_set_eq:NN \ZifferLeer \DefaultZifferLeer
5535 \tl_set_eq:NN \mathbf \orig_mathbf:n
5536 \tl_set_eq:NN \mathit \orig_mathit:n
5537 \tl_set_eq:NN \mathrm \orig_mathrm:n
5538 \tl_set_eq:NN \mathsf \orig_mathsf:n
5539 \tl_set_eq:NN \mathtt \orig_mathtt:n
5540 }
5541
5542 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5543 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5544 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5545 }
5546 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5547 \tl_set_eq:NN \ZifferLeer \orig_ZifferLeer
5548 \tl_set_eq:NN \mathbf \new@mathbf
5549 \tl_set_eq:NN \mathit \new@mathit
5550 \tl_set_eq:NN \mathrm \new@mathrm
5551 \tl_set_eq:NN \mathsf \new@mathsf
5552 \tl_set_eq:NN \mathtt \new@mathtt
5553 }
5554 \ExplSyntaxOff

```

62 File xepersian-multiplechoice.sty

```

5555 \NeedsTeXFormat{LaTeX2e}
5556 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5557 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5558 \RequirePackage{pifont}
5559 \RequirePackage{fullpage}
5560 \RequirePackage{ifthen}
5561 \RequirePackage{calc}
5562 \RequirePackage{verbatim}
5563 \RequirePackage{tabularx}
5564 \def\@headerfont{\bfseries}
5565 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5566 \def\@X{X}

```



```

5567 \newcommand\X[1]{\gdef\@X{#1}}
5568 \def\pbs#1{\let\tmp=\@#1\let\=\tmp}
5569 \newcolumnntype{D}{>{\pbs\centering}X}
5570 \newcolumnntype{Q}{>{\@headerfont}X}
5571
5572 \renewcommand\tabularxcolumn[1]{m{#1}}
5573 \newcommand\makeform@nocorrection{%
5574   \addtocontents{frm}{\protect\end{tabularx}}
5575   \@starttoc{frm}}
5576 \newcommand\makeform@correction{%
5577   \addtocontents{frm}{\protect\end{tabularx}}}
5578 \newcommand\makemask@nocorrection{%
5579   \addtocontents{msk}{\protect\end{tabularx}}
5580   \@starttoc{msk}}
5581 \newcommand\makemask@correction{%
5582   \addtocontents{msk}{\protect\end{tabularx}}}
5583 \newlength\questionspace
5584 \setlength\questionspace{0pt}
5585 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5586 \def\@answerstitlefont{\bfseries}
5587 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5588 \def\@answernumberfont{\bfseries}
5589 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5590 \newcounter{question}\stepcounter{question}
5591 \newcounter{@choice}
5592 \def\@initorcheck{%
5593   \xdef\@choices{\the@choice}%
5594   \setcounter{@choice}{1}%
5595   \gdef\@arraydesc{|Q|}%
5596   \gdef\@headerline{}}
5597 \whiledo{\not{\value{@choice}>\@choices}}{
5598   \xdef\@arraydesc{\@arraydesc D}
5599   \def\@appendheader{\g@addto@macro\@headerline
5600     \@appendheader{&\protect\@headerfont}
5601     \edef\@the@choice{\@alph{@choice}}}
5602   \expandafter\@appendheader\@the@choice
5603   \stepcounter{@choice}}%
5604 \addtocontents{frm}{%
5605   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5606   \protect\hline
5607   \@headerline\protect\\\protect\hline\protect\hline}%
5608 \addtocontents{msk}{%
5609   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5610   \protect\hline
5611   \@headerline\protect\\\protect\hline\protect\hline}%
5612 \gdef\@initorcheck{%
5613   \ifthenelse{\value{@choice} = \@choices}{\}%
5614     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5615       (\the@choice\space instead of \@choices)}{\%
5616       Questions must all have the same number of proposed answers.%
5617       \MessageBreak
5618       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5619 \newenvironment{question}[1]{%
5620   %% \begin{question}

```



```

5621 \begin{minipage}{\textwidth}
5622 \xdef\@formanswerline{\@questionheader}%
5623 \xdef\@maskanswerline{\@questionheader}%
5624 \fbox{\parbox[c]{\linewidth}{#1}}
5625 \vspace\questionspace\par
5626 {\@answerstitlefont\@answerstitle}
5627 \begin{list}{\@answerfont\alph{choice}}~{\usecounter{choice}}}%
5628 %% \end{question}
5629 \end{list}
5630 \@initcheck%
5631 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5632 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5633 \end{minipage}
5634 \stepcounter{question}}
5635 \def\@truesymbol{\ding{52}~}
5636 \def\@falsesymbol{\ding{56}~}
5637 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5638 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5639 \def\@true@nocorrection{\item}
5640 \def\@false@nocorrection{\item}
5641 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5642 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5643 \newcommand\true{%
5644 \xdef\@formanswerline{\@formanswerline&}%
5645 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5646 \@true}%
5647 \newcommand\false{%
5648 \xdef\@formanswerline{\@formanswerline&}%
5649 \xdef\@maskanswerline{\@maskanswerline&}%
5650 \@false}%
5651 \def\@correctionstyle{\itshape}
5652 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5653 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
5654 \def\@questionheader{ \thequestion}
5655 \answerstitle{ \thequestion}
5656 \DeclareOption{nocorrection}{%
5657 \let\@true\@true@nocorrection
5658 \let\@false\@false@nocorrection
5659 \let\correction\comment
5660 \let\endcorrection\endcomment
5661 \def\makeform{\makeform@nocorrection}
5662 \def\makemask{\makemask@nocorrection}}
5663 \DeclareOption{correction}{%
5664 \let\@true\@true@correction
5665 \let\@false\@false@correction
5666 \let\correction\@correction
5667 \let\endcorrection\end@correction
5668 \def\makeform{\makeform@correction}
5669 \def\makemask{\makemask@correction}}
5670 \ExecuteOptions{nocorrection}
5671 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5672 \def\@questiontitlefont{\bfseries}
5673 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5674 \newlength\questiontitlespace

```



```

5675 \setlength\questiontitlespace{5pt}
5676 \newlength\questionsepspace
5677 \setlength\questionsepspace{20pt}
5678 \gdef\@questionsepspace{0pt}
5679 \let\old@question\question
5680 \let\old@endquestion\endquestion
5681 \renewenvironment{question}[1]{%
5682   %% \begin{question}
5683   \vspace\@questionsepspace
5684   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5685   \nopagebreak\vspace\questiontitlespace\par
5686   \old@question{#1}}{%
5687   %% \end{question}
5688   \old@endquestion
5689   \gdef\@questionsepspace{\questionsepspace}}
5690 \questiontitle{ \thequestion:}
5691 \ProcessOptions

```

63 File xepersian-persiancal.sty

```

5692 \NeedsTeXFormat{LaTeX2e}
5693 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5694
5695 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5696 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5697 \newcount\XePersian@latini \newcount\XePersian@persiani
5698 \newcount\XePersian@latinii \newcount\XePersian@persianii
5699 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5700 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5701 \newcount\XePersian@latin v \newcount\XePersian@persianv
5702 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5703 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5704 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5705 \newcount\XePersian@latinix \newcount\XePersian@persianix
5706 \newcount\XePersian@latinx \newcount\XePersian@persianx
5707 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5708 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5709 \newcount\XePersian@persianxiii
5710
5711 \newcount\XePersian@temp
5712 \newcount\XePersian@temptwo
5713 \newcount\XePersian@temptthree
5714 \newcount\XePersian@yModHundred
5715 \newcount\XePersian@thirtytwo
5716 \newcount\XePersian@dn
5717 \newcount\XePersian@sn
5718 \newcount\XePersian@mminusone
5719
5720
5721 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5722 \XePersian@temp=\XePersian@y
5723 \divide\XePersian@temp by 100\relax
5724 \multiply\XePersian@temp by 100\relax
5725 \XePersian@yModHundred=\XePersian@y

```




```

5726 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5727 \ifodd\XePersian@yModHundred
5728   \XePersian@leapfalse
5729 \else
5730   \XePersian@temp=\XePersian@yModHundred
5731   \divide\XePersian@temp by 2\relax
5732   \ifodd\XePersian@temp\XePersian@leapfalse
5733   \else
5734     \ifnum\XePersian@yModHundred=0%
5735       \XePersian@temp=\XePersian@y
5736       \divide\XePersian@temp by 400\relax
5737       \multiply\XePersian@temp by 400\relax
5738       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5739     \else\XePersian@leaptrue
5740     \fi
5741   \fi
5742 \fi
5743 \XePersian@latini=31\relax
5744 \ifXePersian@leap
5745   \XePersian@latinii = 29\relax
5746 \else
5747   \XePersian@latinii = 28\relax
5748 \fi
5749 \XePersian@latiniii = 31\relax
5750 \XePersian@latiniv = 30\relax
5751 \XePersian@latinv = 31\relax
5752 \XePersian@latinvi = 30\relax
5753 \XePersian@latinvii = 31\relax
5754 \XePersian@latinviii = 31\relax
5755 \XePersian@latinix = 30\relax
5756 \XePersian@latinx = 31\relax
5757 \XePersian@latinxi = 30\relax
5758 \XePersian@latinxii = 31\relax
5759 \XePersian@thirtytwo=32\relax
5760 \XePersian@temp=\XePersian@y
5761 \advance\XePersian@temp by -17\relax
5762 \XePersian@temptwo=\XePersian@temp
5763 \divide\XePersian@temptwo by 33\relax
5764 \multiply\XePersian@temptwo by 33\relax
5765 \advance\XePersian@temp by -\XePersian@temptwo
5766 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5767 \else
5768   \XePersian@temptwo=\XePersian@temp
5769   \divide\XePersian@temptwo by 4\relax
5770   \multiply\XePersian@temptwo by 4\relax
5771   \advance\XePersian@temp by -\XePersian@temptwo
5772   \ifnum\XePersian@temp=z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5773 \fi
5774 \XePersian@tempthree=\XePersian@y % Number of Leap years
5775 \advance\XePersian@tempthree by -1
5776 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5777 \divide\XePersian@temp by 4\relax
5778 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5779 \divide\XePersian@temptwo by 100\relax

```



```

5780 \advance\XePersian@temp by -\XePersian@temptwo
5781 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5782 \divide\XePersian@temptwo by 400\relax
5783 \advance\XePersian@temp by \XePersian@temptwo
5784 \advance\XePersian@tempthree by -611 % Number of Kabise years
5785 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5786 \divide\XePersian@temptwo by 33\relax
5787 \multiply\XePersian@temptwo by 8\relax
5788 \advance\XePersian@temp by -\XePersian@temptwo
5789 \XePersian@temptwo=\XePersian@tempthree %
5790 \divide\XePersian@temptwo by 33\relax
5791 \multiply\XePersian@temptwo by 33\relax
5792 \advance\XePersian@tempthree by -\XePersian@temptwo
5793 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5794 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5795 \advance\XePersian@temp by -\XePersian@tempthree
5796 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5797 \XePersian@persiani=31
5798 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5799 \XePersian@persianii = 30\relax
5800 \ifXePersian@kabiseh
5801 \XePersian@persianiii = 30\relax
5802 \else
5803 \XePersian@persianiii = 29\relax
5804 \fi
5805 \XePersian@persianiv = 31\relax
5806 \XePersian@persianv = 31\relax
5807 \XePersian@persianvi = 31\relax
5808 \XePersian@persianvii = 31\relax
5809 \XePersian@persianviii= 31\relax
5810 \XePersian@persianix = 31\relax
5811 \XePersian@persianx = 30\relax
5812 \XePersian@persianxi = 30\relax
5813 \XePersian@persianxii = 30\relax
5814 \XePersian@persianxiii= 30\relax
5815 \XePersian@dn= 0\relax
5816 \XePersian@sn= 0\relax
5817 \XePersian@mminusone=\XePersian@m
5818 \advance\XePersian@mminusone by -1\relax
5819 \XePersian@i=0\relax
5820 \ifnum\XePersian@i < \XePersian@mminusone
5821 \loop
5822 \advance \XePersian@i by 1\relax
5823 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5824 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5825 \fi
5826 \advance \XePersian@dn by \XePersian@d
5827 \XePersian@i=1\relax
5828 \XePersian@sn = \XePersian@persiani
5829 \ifnum \XePersian@sn<\XePersian@dn
5830 \loop
5831 \advance \XePersian@i by 1\relax
5832 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5833 \ifnum \XePersian@sn<\XePersian@dn \repeat

```



```

5834 \fi
5835 \ifnum \XePersian@i < 4
5836   \XePersian@m = 9 \advance \XePersian@m by \XePersian@i
5837   \advance \XePersian@y by -622\relax
5838 \else
5839   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5840   \advance \XePersian@y by -621\relax
5841 \fi
5842 \advance \XePersian@sn by -\csname XePersian@persian\romannumeral\the \XePersian@i%
5843 \endcsname
5844 \ifnum \XePersian@i = 1
5845   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance \XePersian@d by -\XePersian@sn
5846 \else
5847   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5848 \fi
5849 \newcommand*{\persiantoday}{\%
5850 \number \XePersian@d\space\%
5851 \XePersian@persian@month{\XePersian@m}\space\number \XePersian@y\%
5852 }
5853 \let \persianyear \XePersian@y
5854 \let \persianmonth \XePersian@m
5855 \let \persianday \XePersian@d
5856 \def \XePersian@persian@month#1{\ifcase#1\or \or\
5857 \or\
5858 \or\
5859 \or\
5860 \or\
5861 \or\
5862 \or\
5863 \fi\

```



Index

Symbols	
\!	2354
\%	5413, 5533, 5546
\.	5458
\@and	3676
\@math	166
\@maybeautodot	2595, 2596, 2614, 2629, 2630, 2648, 2659, 2660, 2678
\@par	1881
\@textdigitfont@onfalse	2702, 3375
\@textdigitfont@ontrue	3374
\@Abjad	1209, 3684, 3692, 3693, 4167, 4168
\@Alph	2608, 2642, 2672, 3950, 3953, 4163, 4168
\@DeclareMathDelimiter	5269
\@DeclareMathSizes	5260
\@False	154, 156
\@Kashida@onfalse	1612
\@Kashida@ontrue	1611
\@LTRfootnotetext	1911
\@LTRmarginparreset	3306
\@Latincitex	73, 74, 2145, 2154, 2344, 3314, 3315
\@M	170, 3726, 3827, 3922
\@Mi	166
\@Mii	1804
\@Miii	1806
\@RTL@footnotefalse	3281, 3301, 4100
\@RTL@footnotetext	3291, 3302, 4098
\@RTLfalse	136, 148, 161, 4053, 4060, 4082
\@RTLfootnotetext	1912
\@RTLtabfalse	4068
\@RTLtabtrue	4066
\@RTLtrue	4051, 4058, 4080
\@Roman	2610, 2644, 2674
\@SepMark	1740
\@SetTab	2706
\@True	149, 155
\@X	5566, 5567, 5645
\@abjad	1210, 3911, 3930, 3931, 4162, 4163
\@acol	2036, 2044
\@acolampacol	2034, 2036, 2042, 2044
\@adadi	1207, 2606, 2640, 2670, 3700, 3702, 3705
\@addamp	2035, 2043
\@addtopreamble	2003
\@alph	2609, 2643, 2673, 2707, 3949, 3952, 4162, 4167
\@ampacol	2034, 2042
\@answernumberfont	5588, 5589, 5627
\@answerstyle	5585, 5626
\@answerstylefont	5586, 5587, 5626
\@appendheader	5599, 5600, 5602
\@arrayclassz	2034
\@arraydesc	5595, 5598, 5605, 5609
\@arrayrule	1982, 1983, 1984, 2026, 2027, 2028
\@author	4607, 4619
\@autodottrue	2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676
\@auxout	3320, 4225, 4229
\@begin@tempboxa	1881
\@biblabel	2146, 2155
\@bibsetup	2147, 2156
\@bidi@inslogo@	4203, 4205
\@bidi@list@minipage@parbox@not@nobtrue	1878, 1900
\@bidi@list@minipage@parboxtrue	1879, 1901
\@bidi@logo	3645
\@bidi@logo@	3641, 4205
\@bidi@logo@hb@ext@columnwidth	3642
\@bidi@pdfcreator	3647
\@bidi@pdfm@markfalse	4212
\@bidi@pdfm@marktrue	4210

<code>\@bidi@perpage@footnotefalse .</code>	<code>\@dblfpsep</code>	3636
. 4251	<code>\@dblfpstop</code>	3635
<code>\@bidi@perpage@footnotetrue . .</code>	<code>\@defaultunits</code>	3412, 3416
. 4249	<code>\@dgroup</code>	148
<code>\@bidityftesidenote@LTRmarginfont</code>	<code>\@dmath</code>	136, 165
. 86	<code>\@doendpe</code>	2435
<code>\@bidityftesidenote@RTLmarginfont</code>	<code>\@dseries</code>	161
. 88	<code>\@eha</code>	5223, 5249
<code>\@bsphack</code>	<code>\@empty 151, 1798, 2158, 2168, 2171,</code>	
<code>\@capttype . . 1791, 1854, 2101, 2111</code>	2257, 2260, 2389, 3316, 3319,	
<code>\@ccclvi 5203, 5209, 5233</code>	3785, 3791, 3794, 3797, 3902,	
<code>\@chapapp . . 30, 102, 113, 120, 132,</code>	4205, 4618, 4619, 4620, 4621	
1285, 1297, 1746, 2562, 2569,	<code>\@emptytoks</code>	150
2576, 2584, 2625, 2655	<code>\@enGroup</code>	1199
<code>\@chclass . 1916, 1924, 1932, 1947,</code>	<code>\@enLabel . 1190, 1191, 1192, 1193,</code>	
1961, 1966, 1981, 1997, 2017,	1194, 1195, 1196, 1197	
2025, 2055, 2078, 2092	<code>\@enOther</code>	1201
<code>\@chnum 1918, 1919, 1920, 1921, 1922,</code>	<code>\@enSpace</code>	1198
1923, 1933, 1940, 1954, 1967,	<code>\@end@tempboxa</code>	1896
1974, 1990, 2003, 2019, 2020,	<code>\@endpbox</code>	2010, 2011
2021, 2022, 2023, 2024, 2038,	<code>\@endpetrue</code>	3290, 3300
2046, 2056, 2063, 2085	<code>\@enhook</code>	1202
<code>\@choices . . 5593, 5597, 5613, 5615</code>	<code>\@enloop@</code>	1189
<code>\@cite 2133, 2140, 2152, 2168, 2257,</code>	<code>\@entemp . . 1190, 1191, 1192, 1193,</code>	
3317	1194, 1195, 1196, 1197, 1198,	
<code>\@cite@ofmt 3325</code>	1199, 1200	
<code>\@citea 2173, 2187, 2201, 2210, 2211,</code>	<code>\@enum@</code>	1200
2212, 2217, 2232, 2240, 2241,	<code>\@extra@b@citeb 2173, 2179, 2181,</code>	
2242, 2276, 2292, 2310, 3316,	2204, 2235, 2262, 2268, 2270	
3318	<code>\@extrafootnotefeaturesfalse .</code>	
<code>\@citeb 2169, 2171, 2173, 2176, 2178,</code> 4120	
2179, 2181, 2204, 2235, 2258,	<code>\@extrafootnotefeaturestrue . .</code>	
2260, 2262, 2265, 2267, 2268, 4118	
2270, 3317, 3319, 3320, 3321,	<code>\@false</code>	5650, 5658, 5665
3324, 3325	<code>\@false@correction . . 5642, 5665</code>	
<code>\@citex 2144, 2153</code>	<code>\@false@nocorrection . 5640, 5658</code>	
<code>\@classx 2000</code>	<code>\@falsesymbol . . . 5636, 5638, 5642</code>	
<code>\@classz 2000</code>	<code>\@firstampfalse 2036, 2044</code>	
<code>\@correction 5666</code>	<code>\@firstofone 1512, 1513, 2171, 2260,</code>	
<code>\@correctionstyle 5651, 5652, 5653</code>	3319, 5206, 5230	
<code>\@ctrerr 3691, 3696</code>	<code>\@firstoftwo 2843, 2849, 2855</code>	
<code>\@currbox . 1811, 1857, 1861, 2100,</code>	<code>\@float@HH 2097, 2098</code>	
2104, 2110, 2114	<code>\@float@Hx 2096, 2097</code>	
<code>\@currentvir 2418, 2420, 2421</code>	<code>\@float@ 2097, 2108</code>	
<code>\@customlogo 4707, 4716</code>	<code>\@floatboxreset . 1867, 2106, 2116</code>	
<code>\@custommagaziname . 4476, 4709</code>	<code>\@floatcapt 2101, 2111</code>	
<code>\@customminilogo 4708, 4722</code>	<code>\@floatpenalty . . 1804, 1806, 1809</code>	
<code>\@customwwwTxt . . 4437, 4440, 4492</code>	<code>\@flstylefalse 2103, 2113</code>	
<code>\@date 4610, 4620</code>	<code>\@flstyletrue 2103, 2113</code>	
<code>\@dblfpbot 3637</code>	<code>\@fltovf 1859</code>	



<code>\@footnotetext</code>	1910	
<code>\@for</code>	2169, 2258, 3317, 4013	
<code>\@formanswerline</code>	5622, 5631, 5644, 5648	
<code>\@fpbot</code>	3634	
<code>\@fps</code>	1792, 1793, 1795, 1798, 1815	
<code>\@fpsadddefault</code>	1796, 1799	
<code>\@fpsep</code>	3633, 3636	
<code>\@fptop</code>	3632, 3634, 3635, 3637	
<code>\@freelist</code>	1811	
<code>\@gobble</code>	1200	
<code>\@harfi</code>	12, 20, 31, 34, 43, 49, 55, 61, 103, 114, 121, 133, 1208, 1275, 1286, 1298, 1534, 1747, 2563, 2570, 2577, 2585, 2592, 2605, 2626, 2639, 2656, 2669, 3694, 3697, 3698	
<code>\@headerfont</code>	5564, 5565, 5570, 5600	
<code>\@headerline</code>	5596, 5599, 5607, 5611	
<code>\@ifclassloaded</code>	3985, 3987, 3988, 3989, 3990, 3991, 3992, 3993, 3994, 3995, 3996, 3997, 3998, 3999, 4000, 4001, 4002, 4003, 4004, 4005, 4006, 4007, 4008, 4009, 4126, 4138, 4150	
<code>\@ifdefinable</code>	2453, 2455	
<code>\@ifdefinitionfileloaded</code>	1788, 1931, 1964, 2054, 2095, 3965, 3966	
<code>\@ifnextchar</code>	2097, 2338, 2344, 3314	
<code>\@ifnum</code>	2275, 2277, 2279, 2286, 2287, 2290, 2302, 2325, 2327	
<code>\@ifpackageloaded</code>	76, 1662, 1666, 2347, 2351, 2443, 2451, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986	
<code>\@ifstar</code>	2337	
<code>\@ifundefined</code>	72, 2173, 2179, 2262, 2268, 3321	
<code>\@ignoretrue</code>	172	
<code>\@iiiminipage</code>	1897	
<code>\@iiiparbox</code>	1875	
<code>\@indexfile</code>	4128, 4140, 4152	
<code>\@initorcheck</code>	5592, 5612, 5630	
<code>\@inlabelfalse</code>	139	
<code>\@input@</code>	4130, 4142, 4154	
<code>\@lastchclass</code>	1916, 1917, 1933, 1934, 1935, 1936, 1938, 1967, 1968, 1969, 1970, 1972, 2017, 2018, 2034, 2042, 2056, 2057, 2058, 2059, 2061	
<code>\@latex@error</code>	5221, 5247	
<code>\@latex@warning</code>	3323	
<code>\@latinAlph</code>	3950, 3953	
<code>\@latinalph</code>	2707, 3949, 3952, 3955	
<code>\@list@extra</code>	3521, 3528, 3537, 3544, 3552, 3559, 3567, 3575, 3582, 3591, 3595, 3600, 3604, 3609, 3613, 3618	
<code>\@listI</code>	3435, 3530	
<code>\@listdepth</code>	1913	
<code>\@listi</code>	3435, 3452, 3469, 3524, 3530, 3620	
<code>\@listi@footnotesize</code>	3469, 3555	
<code>\@listi@small</code>	3452, 3540	
<code>\@listii</code>	3570	
<code>\@listiii</code>	3585	
<code>\@listiv</code>	3598	
<code>\@listv</code>	3607	
<code>\@listvi</code>	3616	
<code>\@m</code>	2150, 3318, 3725, 3826, 3920	
<code>\@mainmatterfalse</code>	97, 108, 126, 1279, 2619	
<code>\@maskanswerline</code>	5623, 5632, 5645, 5649	
<code>\@memfront</code>	1738	
<code>\@minipagefalse</code>	3311	
<code>\@minipagerestore</code>	1914	
<code>\@minipagetrue</code>	3310	
<code>\@minus</code>	3383, 3385, 3389, 3391, 3397, 3399, 3403, 3405, 3579	
<code>\@mpL@TRfootnotetext</code>	1911	
<code>\@mpRTLfootnotetext</code>	1912	
<code>\@mpargs</code>	1903	
<code>\@mpfn</code>	1909	
<code>\@mpfootnotetext</code>	1910	
<code>\@mplistdepth</code>	1913	
<code>\@namedef</code>	2127, 2181, 2270, 2434	
<code>\@ne</code>	1575, 1821, 1827, 1920, 1921, 1924, 1933, 1943, 1944, 1948, 1967, 1977, 1978, 1982, 1983, 1984, 2021, 2022, 2026, 2027, 2028, 2056, 2066, 2067, 2079, 2275, 2287, 2289, 2302, 2310, 3268, 3269, 3361, 3712, 3753, 3760, 3772, 3777, 3813, 3854, 3861, 3873, 3878, 4021, 4262, 4263, 4264, 4265, 4266, 5213,	



5218, 5237, 5244
 \@next 1811
 \@nextchar 1939, 1941, 1942, 1943,
 1944, 1945, 1946, 1948, 1949,
 1950, 1951, 1952, 1955, 1956,
 1957, 1958, 1959, 1960, 1973,
 1975, 1976, 1977, 1978, 1979,
 1980, 1982, 1983, 1984, 1985,
 1986, 1987, 1988, 1991, 1992,
 1993, 1994, 1995, 1996, 2008,
 2010, 2011, 2062, 2064, 2065,
 2066, 2067, 2068, 2069, 2070,
 2071, 2072, 2073, 2074, 2075,
 2076, 2077, 2079, 2080, 2081,
 2082, 2083, 2086, 2087, 2088,
 2090, 2091
 \@nextchar 2089
 \@nil . 2364, 2368, 2369, 2374, 2376,
 3743, 3746, 3844, 3847
 \@nnil 3412, 3416, 3420, 3421
 \@nodocument 1790
 \@nonlatinfalse 3256, 4073
 \@nonlatintrue 3270, 4075
 \@onelevel@sanitize 1793
 \@parboxrestore 1866, 1881, 1908,
 2105, 2115
 \@parboxto 1884, 1893
 \@parmoderr 1809
 \@pboxswfalse 1877, 1899
 \@pboxswtrue 1891
 \@plus 3383, 3385, 3389, 3391, 3397,
 3399, 3403, 3405, 3579, 3632,
 3633
 \@ppsavesec 25
 \@preamble 2037, 2045
 \@preamblecmds 5274
 \@preamerr 1927, 1961, 1997, 2031,
 2092
 \@ptsize 3415
 \@questionheader 5622, 5623, 5654
 \@questionsepspace . 5678, 5683,
 5689
 \@questiontitle 5671, 5684
 \@questiontitlefont . 5672, 5673,
 5684
 \@resets@pp 24, 1518, 1519
 \@roman 2611, 2645, 2675
 \@safe@activesfalse .. 2172, 2261
 \@safe@activestrue .. 2170, 2259
 \@secondoftwo ... 2845, 2851, 2857
 \@setfontsize .. 3429, 3446, 3463,
 3474, 3480, 3486, 3492, 3498,
 3504, 3510, 4407, 4413, 4415,
 4418, 4425, 4431, 4432, 4433,
 4434, 4435
 \@setfipsbit 1831, 1834, 1837, 1840,
 1843, 1846
 \@setminipage 1915
 \@setnobreak 2106, 2116
 \@sharp 2039, 2040, 2041, 2047, 2048,
 2049
 \@smemfront 1739
 \@sptoken 1198
 \@startpbox 2010, 2011
 \@starttoc 3661, 5575, 5580
 \@stop 2596, 2630, 2660
 \@sx@xepersian@localize@verbatim
 2127
 \@tabclassz 2042
 \@tartibi 9, 16, 39, 45,
 51, 57, 94, 105, 116, 128, 1206,
 1271, 1281, 1293, 1531, 1741,
 1742, 2558, 2565, 2572, 2580,
 2588, 2607, 2621, 2641, 2651,
 2671, 3806, 3808, 3811
 \@tempa 1190, 1191, 1192, 1193, 1194,
 1195, 1196, 1197, 1198, 1199,
 1200, 1201, 1204, 2374, 2376,
 2459, 2460, 2461, 2462, 2463,
 2464, 2465, 2466, 2467, 2468,
 2469, 3420, 3421
 \@tempb 3418, 3421, 3438, 3455, 3472,
 3478, 3484, 3490, 3496, 3502,
 3508
 \@tempboxa 1904
 \@tempc 2389, 2402, 2412, 2414, 2415,
 2418, 2426
 \@tempcnta 1813, 1819, 1821, 1825,
 1827, 1849, 1850, 1856, 1857,
 2001, 2284, 2285, 2286, 2289,
 2290, 4012, 4015, 4021
 \@tempcntb 1854, 1855, 1856
 \@tempdima 1880, 1881, 1902, 1906,
 3411, 3412, 3413, 3417, 3419,
 3430, 3437, 3438, 3447, 3454,
 3455, 3464, 3471, 3472, 3475,
 3477, 3478, 3481, 3483, 3484,
 3487, 3489, 3490, 3493, 3495,
 3496, 3499, 3501, 3502, 3505,
 3507, 3508, 3511



<code>\@tempdimb</code>	1883, 1884, 3416, 3417, 3423, 3424, 3426, 3430, 3438, 3440, 3441, 3443, 3447, 3455, 3457, 3458, 3460, 3464, 3472, 3475, 3478, 3481, 3484, 3487, 3490, 3493, 3496, 3499, 3502, 3505, 3508, 3511, 3514, 3516, 3518, 3532, 3534, 3547, 3549, 3562, 3564, 3578, 3621, 3622, 3624, 3626, 3628, 3633, 3638, 4276, 4277	<code>\@xepersian@pdfcustomproperties</code> 3651
<code>\@tempdimc</code>	3413, 3414, 3415, 3417, 3418, 3419, 3437, 3454, 3471, 3477, 3483, 3489, 3495, 3501, 3507	<code>\@xfloat</code> 1789, 2096, 2097
<code>\@tempskipa</code>	4280, 4281	<code>\@xxDeclareMathDelimiter</code> . 5268
<code>\@tempswafalse</code> .	2302, 3314, 3519, 3535, 3550, 3565, 3580, 3593, 3602, 3611	<code>\@xxxii</code> 1855
<code>\@tempswatru</code> ..	2301, 3314, 3521, 3537, 3552, 3567, 3582, 3595, 3604, 3613	<code>@\</code> 1768, 1769
<code>\@temptokena</code>	2375, 2382, 2387, 2393, 2400, 2410, 2424	<code>@\</code> 1764, 1765, 1767
<code>\@testpach</code>	1916, 1932, 1966, 2017, 2055	<code>@\</code> 2346
<code>\@tfor</code>	1814, 2459	<code>\[</code> 2354
<code>\@thanks</code>	4612, 4618	<code>\]</code> 2354
<code>\@the@choice</code>	5601, 5602	<code>\]</code> 2354
<code>\@title</code>	4600, 4621	<code>\^</code> 2355
<code>\@true</code>	5646, 5657, 5664	<code>_</code> 2922, 2925, 2938, 2942, 2946, 2949, 2961, 2983, 2987, 2988, 2995, 2998, 3010, 3014, 3021, 3026, 3029, 3045, 3050, 3053, 3100, 3103, 3116, 3120, 3124, 3127, 3140, 3144, 3148, 3151, 3164, 3168, 3172, 3175, 3188, 3192, 3196, 3199, 3212, 3216, 3220, 3223, 3236, 3240, 5330, 5331, 5334, 5343, 5344, 5355, 5359, 5363, 5367, 5371, 5375, 5379, 5381, 5389, 5391, 5395, 5401, 5420, 5424, 5426, 5429, 5431, 5435, 5439, 5441, 5444, 5446, 5450
<code>\@true@correction</code> ...	5641, 5664	<code>\ </code> 4884
<code>\@true@nocorrection</code> ..	5639, 5657	<code>\~</code> 2355
<code>\@truesymbol</code>	5635, 5637, 5641	
<code>\@verbatim</code>	2124, 2127, 2432, 2434, 2445	<code>\sqcup</code> 1473, 1475, 3318, 3749, 3755, 3774, 3780, 3850, 3856, 3875, 3885, 4483, 4492
<code>\@vobeyspaces</code>	2124, 2432	
<code>\@warning</code>	2431	
<code>\@x@xepersian@localize@verbatim</code>	2124	A
<code>\@xDeclareMathDelimiter</code> ..	5269	<code>\abj@num@i</code> 3916, 3933, 3940
<code>\@xepersian@@baselineskip@scale</code> ..	3245, 3254, 3267, 3277	<code>\abj@num@ii</code> 3918, 3937, 3944
<code>\@xepersian@@computeautoilgfalse</code>	4219	<code>\abj@num@iii</code> 3920, 3941, 3947
<code>\@xepersian@@computeautoilgtrue</code>	4217	<code>\abj@num@iv</code> 3922, 3945
<code>\@xepersian@@fontsize@scale</code> ..	3244, 3249, 3266, 3276	<code>\Abjad</code> 1209, 1214, 3692
<code>\@xepersian@info</code>	2809, 2836, 2838	<code>\abjad</code> 1210, 1215, 3930
		<code>\abjad@zero</code> 3932, 3936
		<code>\Abjadnumeral</code> 3693
		<code>\abjadnumeral</code> 3931



`\abovedisplayshortskip` .. 3424,
3432, 3441, 3449, 3458, 3466,
4410, 4411, 4421, 4422, 4428,
4429
`\abovedisplayskip` .. 3422, 3427,
3431, 3439, 3444, 3448, 3456,
3461, 3465, 4408, 4409, 4419,
4420, 4426, 4427
`\abstractname` 3673
`\active` 2355, 5458
`\adadi` 1191, 1207, 1212, 2599, 2633,
2663, 3699
`\adadinumeral` 3705
`\AddEnumerateCounter` 1206, 1207,
1208, 1209, 1210
`\addfontfeature` 4241
`\addfontfeatures` .. 136, 148, 161
`\addtocontents` . 5574, 5577, 5579,
5582, 5604, 5608, 5631, 5632
`\addtolength` 3414, 4635, 4636, 4639,
5058, 5059, 5060, 5061, 5125
`\addtoversion` 5261
`\adl@argarraydashrule` 1984, 2028
`\adl@arraydashrule` .. 1983, 2027
`\adl@arrayrule` 1982, 2026
`\adl@box` 2008, 2010, 2011
`\adl@class@iiiorvii` .. 2014, 2051
`\adl@class@start` 2013, 2050
`\adl@endmbox` 2009
`\adl@putlrc` 2005, 2006, 2007, 2039,
2040, 2041, 2047, 2048, 2049
`\adl@startmbox` 2008
`\advance` .. 1476, 1821, 1827, 1850,
1856, 2289, 3361, 3363, 4021,
4399, 4403, 4671, 4674, 5218,
5244, 5726, 5761, 5765, 5771,
5775, 5780, 5783, 5784, 5788,
5792, 5793, 5795, 5796, 5798,
5818, 5822, 5823, 5826, 5831,
5832, 5836, 5837, 5839, 5840,
5842, 5845, 5847
`\aftergroup` 3521, 3537, 3552, 3567,
3582, 3595, 3604, 3613
`\ALG@name` 5, 7
`\algorithmicensure` 3
`\algorithmicrequire` 2
`\ALGS@name` 6, 7
`\aliasfontfeature` .. 1678, 1679,
1680, 1681, 1682, 1683, 1684,
1685, 1686, 1687, 1688, 1689,
1690, 1691, 1692, 1693, 1694,
1695, 1696, 1697, 1698, 1699,
1700, 1701, 1702, 1703, 1704,
1705, 1706, 1707, 1708, 1709,
1710, 1711, 1712, 1713, 1714,
1715, 1716, 1717, 1718, 1719,
1720, 1721, 1722, 1723, 1724,
1725, 1726, 1727, 1728, 1729,
1730
`\aliasfontfeatureoption` . 1731,
1732, 1733, 1734, 1735, 1736
`\alloc@` 5203
`\Alph` . 1193, 1505, 1506, 2601, 2635,
2665
`\alph` . 1194, 2602, 2636, 2666, 2714,
5601, 5627
`\alpha@elt` 5262
`\alpha@list` 5262
`\anappendixtrue` 1748
`\and` 4625
`\answernumberfont` 5589
`\answerstyle` 5585, 5655
`\answerstylefont` 5587
`\appendix` 10, 17, 40, 46,
52, 58, 99, 110, 117, 129, 1272,
1282, 1294, 1502, 1503, 1532,
1743, 2559, 2566, 2573, 2581,
2589, 2622, 2652
`\appendixautorefname` 1491
`\appendixname` 11, 19, 30,
102, 113, 120, 132, 1285, 1297,
1533, 1746, 2562, 2569, 2576,
2584, 2625, 2655, 3670
`\arabic` 1197
`\arrayrulewidth` 5140
`\articlesep` 5122
`\AtBeginDocument` . 71, 1501, 1628,
2127, 2334, 2439, 4203, 4397,
4401
`\AtEndOfClass` 4395
`\author` 4623
`\authorandplace` 5096
`\AutoDisplayMathDigits` .. 4043,
5509, 5515
`\autofootnoterule` 4086
`\AutoInlineMathDigits` 4035, 5505,
5514
`\AutoMathDigits` . 4027, 5513, 5517



B

`\backrefpagesname` 63
`\baselineskip` . . . 3364, 3367, 4313,
 4315, 4317, 4320, 4321, 4323
`\begin` 2348, 2349, 3301, 3302, 3659,
 4451, 4454, 4507, 4522, 4535,
 4541, 4562, 4593, 4599, 4606,
 4630, 4684, 4690, 4762, 4765,
 4770, 4777, 4792, 4807, 4824,
 4858, 4876, 4881, 4901, 4908,
 4909, 4930, 4932, 4933, 4955,
 4960, 4961, 4997, 4998, 5006,
 5032, 5040, 5046, 5047, 5055,
 5085, 5109, 5141, 5142, 5157,
 5169, 5183, 5605, 5609, 5620,
 5621, 5627, 5682
`\beginingroup` . . . 144, 2119, 2336, 2352,
 2432, 2434, 2862, 2864, 3520,
 3536, 3551, 3566, 3581, 3594,
 3603, 3612, 5210, 5234, 5458
`\beginL` 3311, 4483, 4884
`\beginR` 4487, 4488, 4489, 4500, 4501,
 4502, 4707, 4708, 4709, 4727,
 4748, 4749, 4750, 4751, 4752,
 4753, 4904, 4999
`\belowdisplayshortskip` . . . 3425,
 3434, 3442, 3451, 3459, 3468,
 4411, 4422, 4429
`\belowdisplayskip` . . . 3427, 3433,
 3444, 3450, 3461, 3467, 4409,
 4420, 4427
`\bfseries` 2174, 2263, 3321, 3643,
 4443, 4449, 4468, 4476, 4504,
 4520, 4539, 4553, 4557, 4582,
 4587, 4591, 4716, 4722, 5564,
 5586, 5588, 5672
`\bgroup` 1199, 1864, 1904, 2105, 2115,
 2980, 5206, 5230
`\bibname` 3677
`\bidi@footnotetext@font` . . . 1460
`\bidi@LTRfootnotetext@font` . .
 1462
`\bidi@RTLfootnotetext@font` . .
 1464
`\bidi@thebibliography@font@hook`
 3956
`\bidi@AfterEndPreamble` . . . 3960
`\bidi@appto` 2690, 2694
`\bidi@AtEndPreamble` 4239
`\bidi@column@status` . . . 4226, 4230

`\bidi@csdefcs` 787, 1660
`\bidi@csletcs` 482, 1660, 1664, 1665,
 1668, 1669
`\bidi@digits@charclass` . . . 2962,
 2963, 2964, 2965, 2966, 2967,
 2969, 2970, 2971, 2972, 2973,
 2974, 2975, 2976
`\bidi@firstcolumn@status@write`
 4224, 4232
`\bidi@font@@outputpage` . . . 3327
`\bidi@isloaded` 1619, 1620, 1621,
 1622, 1623, 1624, 1625, 1626,
 1627, 1630, 1633, 1636, 1639,
 1642, 1645, 1648, 1651, 1654
`\bidi@lastcolumn@status@write`
 4228, 4233
`\bidi@newrobustcmd` . . . 3279, 3280,
 3663
`\bidi@patchcmd` . . . 2699, 4240, 4276,
 4280, 4292, 4298, 4304, 4312
`\bidi@reflect@box` 3664
`\bidi@sepmark@charclass` . . . 2966,
 2967
`\blacktriangleleft` . . . 1471, 1473
`\blacktriangleright` . . . 1471, 1473
`\bm@b` 1872
`\bm@c` 1869
`\bm@l` 1870
`\bm@r` 1871
`\bm@s` 1874
`\bm@t` 1873
`\bm@` 1873
`\bm@` 1871
`\bm@` 1872
`\bm@` 1869
`\bm@` 1870
`\bm@` 1874
`\bool` 5256
`\boolean` 4384, 4396, 4405, 4509,
 4524, 4543, 4564, 4760, 4761,
 4791, 4823, 4857, 4875, 4899,
 4929, 4953, 4980
`\box` 150
`\BR@Latincitex` 64, 74
`\BR@org@Latincitex` 65, 73

C

`\C` 2356
`\c` 5288, 5291, 5299, 5307, 5315, 5323,
 5530, 5543



<code>\c@book</code>	1741	<code>\clist</code>	5353, 5357, 5358, 5365, 5366, 5373, 5374
<code>\c@chapter</code>	18, 20, 31, 103, 114, 121, 133, 1286, 1298, 1747, 2563, 2570, 2577, 2585, 2626, 2656	<code>\closeout</code>	4128, 4140, 4152
<code>\c@mpfootnote</code>	1909, 3955	<code>\color@begingroup</code>	1905
<code>\c@part</code>	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1531, 1742, 2558, 2565, 2572, 2580, 2588, 2621, 2651	<code>\color@vbox</code>	1862, 2104, 2114
<code>\c@section</code>	10, 12, 18, 34, 43, 49, 55, 61, 1275, 1532, 1534, 2592	<code>\columnlines</code>	4340, 4341, 4373, 4702
<code>\c@subsection</code>	10, 1532	<code>\columnsep</code>	4636, 5059
<code>\catcode</code> ..	1658, 2119, 2120, 2121, 2355, 5458	<code>\columnseprule</code>	4702
<code>\ccname</code>	3679	<code>\columnstitle</code>	5053
<code>\cdp@elt</code>	5259	<code>\columnwidth</code>	1865, 1907, 2105, 2115, 4635, 5058
<code>\cdp@list</code>	5259	<code>\comment</code>	5659
<code>\centering</code>	4646, 4934, 5569	<code>\contentsname</code>	3659, 3667
<code>\cftchapname</code>	2726	<code>\copyright</code>	4492
<code>\cftfigname</code>	2732	<code>\correction</code>	5659, 5666
<code>\cftparaname</code>	2730	<code>\correctionstyle</code>	5652
<code>\cftsecname</code>	2727	<code>\count</code>	1857, 4670, 4671, 4673, 4674, 4683, 4689
<code>\cftsubfigname</code>	2733	<code>\count@</code>	2001
<code>\cftsubparaname</code>	2731	<code>\cs</code>	2442, 2444, 2925, 2942, 2949, 2983, 2998, 3014, 3029, 3031, 3036, 3053, 3055, 3060, 3103, 3120, 3127, 3144, 3151, 3168, 3175, 3192, 3199, 3216, 3223, 3240, 5283, 5284, 5285, 5286, 5287, 5330, 5331, 5355, 5363, 5371, 5379, 5391, 5420, 5426, 5435, 5441, 5450, 5527
<code>\cftsubsecname</code>	2728	<code>\csname</code>	1661, 1854, 1894, 2099, 2102, 2109, 2112, 2129, 2436, 2453, 2454, 2455, 2456, 2457, 2593, 2627, 2657, 2863, 2866, 2872, 2874, 3325, 3522, 3538, 3553, 3568, 3583, 3596, 3605, 3614, 3692, 3697, 3700, 3806, 3930, 4293, 4295, 4299, 4301, 4305, 4307, 5209, 5212, 5217, 5218, 5233, 5236, 5240, 5241, 5244, 5279, 5281, 5823, 5832, 5842
<code>\cftsubsubsecname</code>	2729	<code>\currenttime</code>	4466
<code>\cftsubtablename</code>	2735	<code>\customlogo</code>	4707
<code>\cfttablename</code>	2734	<code>\custommagaziname</code>	4709
<code>\chapterautorefname</code>	1492	<code>\customminilogo</code>	4708
<code>\chaptername</code>	19, 1300, 3678	<code>\customwwwTxt</code>	4437
<code>\char</code>	5333, 5341		
<code>\chardef</code> ..	1554, 1555, 1556, 1558, 1559, 1560, 1561, 1562, 3333, 5203		
<code>\charlist</code> ..	1583, 1584, 1586, 1590		
<code>\citation</code>	3320		
<code>\citenumfont</code>	2313		
<code>\citeyear</code>	2135		
<code>\citeyearpar</code>	2135		
<code>\ClassError</code> ..	4781, 4813, 4847, 4867, 4888, 4913, 4938, 4964, 4987, 5614		
<code>\ClassWarning</code> ..	4366, 4368, 4370, 4640, 4654		
<code>\cleardoubleoddpaper</code>	2618		
<code>\cleardoublepage</code> ..	15, 96, 107, 125, 1278		
<code>\clearpage</code>	2618, 4744		

D

<code>\dollarbegin</code>	2005, 2006, 2007
<code>\dollarend</code>	2005, 2006, 2007
<code>\date</code>	4465, 4476, 4624, 5093
<code>\datename</code>	3675



<code>\day</code>	5721	2134, 2137, 2149, 2150, 2160,
<code>\dblfloatsep</code>	3630	2163, 2176, 2191, 2221, 2253,
<code>\dbltextfloatsep</code>	3631	2257, 2282, 2344, 2358, 2362,
<code>\decimalseparator</code> ...	5414, 5485	2364, 2365, 2368, 2374, 2376,
<code>\DeclareDocumentCommand</code> .	2920,	2378, 2394, 2397, 2413, 2414,
	2944, 2985, 2993, 3019, 3024,	2417, 2430, 2432, 2435, 2452,
	3043, 3048, 3098, 3122, 3146,	2683, 2737, 2745, 2753, 2761,
	3170, 3194, 3218, 5387, 5422,	2769, 2777, 2785, 2793, 2801,
	5437	2802, 2859, 2860, 2861, 2867,
<code>\DeclareMathAccent</code>	5267	2868, 2872, 3243, 3246, 3251,
<code>\DeclareMathAlphabet</code>	5266	3265, 3281, 3282, 3291, 3292,
<code>\DeclareMathDelimiter</code>	5268	3304, 3305, 3306, 3315, 3318,
<code>\DeclareMathRadical</code>	5270	3420, 3521, 3537, 3552, 3567,
<code>\DeclareMathSizes</code>	5259	3582, 3595, 3604, 3613, 3665,
<code>\DeclareMathSymbol</code>	5267	3666, 3667, 3668, 3669, 3670,
<code>\DeclareMathVersion</code>	5261	3671, 3672, 3673, 3674, 3675,
<code>\DeclareOption</code> .	4362, 4363, 4364,	3676, 3677, 3678, 3679, 3680,
	4365, 4367, 4369, 4371, 4372,	3681, 3682, 3683, 3684, 3692,
	4373, 4374, 4375, 5656, 5663	3694, 3697, 3706, 3711, 3720,
<code>\DeclareOptionX</code>	4171, 4177, 4181,	3746, 3759, 3770, 3784, 3790,
	4185, 4189, 4193, 4197	3793, 3796, 3800, 3812, 3821,
<code>\DeclareRobustCommand</code>	2335, 2929,	3847, 3860, 3871, 3889, 3894,
	2954, 3001, 3073, 3076, 3079,	3901, 3911, 3930, 3932, 3933,
	3082, 3085, 3088, 3107, 3131,	3937, 3941, 3945, 3951, 3955,
	3155, 3179, 3203, 3227, 3313	4011, 4161, 4166, 4178, 4182,
<code>\DeclareSymbolFont</code> .	5264, 5397,	4190, 4194, 4198, 4224, 4228,
	5398, 5399, 5400, 5430, 5445	4437, 4707, 4708, 4709, 5203,
<code>\DeclareSymbolFontAlphabet</code>	5271	5205, 5229, 5402, 5432, 5447,
<code>\DeclareSymbolFontAlphabet@</code> ..	5271	5459, 5460, 5485, 5486, 5487,
	5271	5488, 5489, 5493, 5497, 5501,
<code>\DeclareTextFontCommand</code> .	3091,	5505, 5509, 5513, 5564, 5566,
	3092, 3093, 3094, 3095, 3096	5568, 5586, 5588, 5592, 5599,
<code>\def</code>	2, 3, 5, 6, 7, 10, 12,	5635, 5636, 5639, 5640, 5641,
	15, 17, 20, 63, 64, 77, 92, 136,	5642, 5651, 5654, 5661, 5662,
	148, 161, 168, 172, 1189, 1190,	5668, 5669, 5672, 5856
	1191, 1192, 1193, 1194, 1195,	<code>\def@NAT@last@yr</code>
	1196, 1197, 1468, 1470, 1472,	2292, 2294
	1474, 1485, 1486, 1487, 1488,	<code>\DefaultDisplayMathDigits</code>
	1489, 1490, 1491, 1492, 1493,	4045,
	1494, 1495, 1496, 1497, 1498,	5488, 5491
	1499, 1500, 1503, 1514, 1519,	<code>\defaultfontfeatures</code>
	1532, 1534, 1564, 1583, 1585,	4172
	1586, 1591, 1616, 1617, 1751,	<code>\DefaultInlineMathDigits</code>
	1752, 1753, 1754, 1755, 1756,	4037,
	1757, 1758, 1759, 1789, 1791,	5487, 5490
	1792, 1794, 1875, 1897, 1903,	<code>\DefaultMathDigits</code> ..
	1909, 1916, 1932, 1966, 2000,	4029, 5489
	2013, 2014, 2017, 2034, 2042,	<code>\DefaultZifferLeer</code> ..
	2050, 2051, 2055, 2097, 2098,	5486, 5534
	2101, 2108, 2111, 2124, 2125,	<code>\define@choicekey</code> ..
		4025, 4033,
		4041, 4049, 4056, 4064, 4071,
		4078, 4084, 4096, 4102, 4108,
		4112, 4116, 4122, 4135, 4147,
		4159, 4201, 4208, 4215, 4222,
		4237, 4247
		<code>\define@key</code>
		2458



<code>\define@mathalphabet</code>	5261	1454, 1460, 1471, 1473, 1475,
<code>\define@mathgroup</code>	5261	1485, 1486, 1487, 1488, 1489,
<code>\deflatinfont</code>	3043	1490, 1491, 1492, 1493, 1494,
<code>\defpersianfont</code>	3019	1495, 1496, 1497, 1498, 1499,
<code>\depth</code>	2466, 2467	1500, 1588, 1616, 1617, 1629,
<code>\DigitsDotDashInterCharToks</code> . .		1632, 1635, 1638, 1641, 1644,
	2967	1647, 1650, 1653, 1751, 1752,
<code>\dimexpr</code> . .	1574, 3247, 3249, 3252,	1753, 1754, 1755, 1756, 1757,
	3254, 3367, 3417, 3571, 3586,	1758, 1759, 1797, 1805, 1810,
	3599, 3608, 3617, 4277, 4281,	1820, 1826, 1879, 1882, 1887,
	4286, 4287, 4288	1888, 1889, 1890, 1891, 1901,
<code>\ding</code>	5635, 5636	1916, 1917, 1918, 1919, 1920,
<code>\display@setup</code>	137, 162	1921, 1922, 1923, 1924, 1925,
<code>\divide</code>	4676, 4677, 5723, 5731, 5736,	1926, 1927, 1933, 1934, 1935,
	5763, 5769, 5777, 5779, 5782,	1937, 1938, 1941, 1942, 1943,
	5786, 5790, 5794	1944, 1945, 1946, 1948, 1949,
<code>\do</code>	1816, 2169, 2258, 2459, 3317, 4013,	1950, 1951, 1952, 1955, 1956,
	5274	1957, 1958, 1959, 1960, 1967,
<code>\document@select@group</code> . . .	5229	1968, 1969, 1971, 1972, 1975,
<code>\dorestore@version</code>	5263	1976, 1977, 1978, 1979, 1980,
<code>\dosetclass</code>	1584, 1585, 1589	1982, 1983, 1984, 1985, 1986,
<code>\doublebox</code>	5015, 5068	1987, 1988, 1991, 1992, 1993,
<code>\dquad</code>	170, 172	1994, 1995, 1996, 2016, 2017,
<code>\dseries@display@setup</code> . . .	162	2018, 2019, 2020, 2021, 2022,
		2023, 2024, 2026, 2027, 2028,
		2029, 2030, 2031, 2056, 2057,
		2058, 2060, 2061, 2064, 2065,
		2066, 2067, 2068, 2069, 2070,
		2071, 2072, 2073, 2074, 2075,
		2076, 2077, 2079, 2080, 2081,
		2082, 2083, 2086, 2087, 2088,
		2089, 2090, 2091, 2103, 2113,
		2138, 2151, 2183, 2188, 2197,
		2200, 2214, 2218, 2227, 2231,
		2234, 2246, 2250, 2251, 2272,
		2293, 2307, 2309, 2312, 2326,
		2328, 2339, 2362, 2373, 2386,
		2388, 2391, 2406, 2408, 2414,
		2422, 2430, 2457, 2460, 2461,
		2462, 2463, 2464, 2465, 2466,
		2467, 2468, 2597, 2618, 2631,
		2661, 2686, 2710, 2726, 2727,
		2728, 2729, 2730, 2731, 2732,
		2733, 2734, 2735, 2741, 2749,
		2757, 2765, 2773, 2781, 2789,
		2796, 2844, 2850, 2856, 2883,
		2980, 2981, 3327, 3342, 3353,
		3380, 3381, 3382, 3384, 3387,
		3388, 3390, 3394, 3395, 3396,
		3398, 3401, 3402, 3404, 3665,
E		
<code>\e@alloc@intercharclass@top</code> . .		
	2962, 2963	
<code>\edef</code> .	1884, 1939, 1973, 2037, 2045,	
	2062, 2171, 2260, 2420, 2809,	
	2837, 2866, 2869, 3319, 3415,	
	3418, 3428, 3445, 3462, 3473,	
	3479, 3485, 3491, 3497, 3503,	
	3509, 3524, 3540, 3555, 3570,	
	3585, 3598, 3607, 3616, 4016,	
	5601	
<code>\edition</code>	4734	
<code>\editionFormat</code>	4443, 4446	
<code>\editorialAuthorFormat</code> . .	4586,	
	5150	
<code>\editorialTitleFormat</code>	4584, 4585	
<code>\egroup</code>	2981	
<code>\else</code>	2, 3, 5, 7, 32, 63,	
	92, 140, 170, 1190, 1191, 1192,	
	1193, 1194, 1195, 1196, 1197,	
	1198, 1199, 1200, 1289, 1304,	
	1311, 1319, 1326, 1334, 1341,	
	1349, 1356, 1363, 1370, 1377,	
	1384, 1391, 1398, 1405, 1412,	
	1419, 1426, 1433, 1440, 1447,	



3666, 3667, 3668, 3669, 3670,
 3671, 3672, 3673, 3674, 3675,
 3676, 3677, 3678, 3679, 3680,
 3681, 3682, 3683, 3691, 3696,
 3714, 3716, 3724, 3725, 3726,
 3727, 3728, 3729, 3730, 3731,
 3749, 3764, 3778, 3791, 3794,
 3815, 3817, 3825, 3826, 3827,
 3828, 3829, 3830, 3831, 3832,
 3850, 3865, 3878, 3879, 3882,
 3913, 3915, 3917, 3919, 3921,
 4020, 4131, 4143, 4155, 4322,
 4653, 5131, 5206, 5219, 5225,
 5230, 5245, 5251, 5348, 5453,
 5461, 5462, 5463, 5464, 5465,
 5466, 5467, 5468, 5469, 5470,
 5471, 5485, 5494, 5495, 5496,
 5498, 5499, 5500, 5506, 5507,
 5508, 5510, 5511, 5512, 5729,
 5733, 5738, 5739, 5746, 5767,
 5772, 5802, 5838, 5846
 \empty 1587
 \enclname 3680
 \encodingdefault 2937, 3009, 3115,
 3139, 3163, 3187, 3211, 3235
 \end . . . 1584, 1585, 1590, 1591, 2348,
 2349, 2420, 2431, 3301, 3302,
 3662, 4451, 4456, 4513, 4527,
 4537, 4546, 4569, 4608, 4611,
 4614, 4631, 4686, 4692, 4769,
 4775, 4779, 4805, 4811, 4845,
 4865, 4880, 4886, 4922, 4923,
 4924, 4947, 4948, 4949, 4973,
 4974, 4975, 5000, 5001, 5004,
 5034, 5038, 5049, 5050, 5087,
 5091, 5120, 5151, 5152, 5166,
 5178, 5191, 5574, 5577, 5579,
 5582, 5628, 5629, 5633, 5687
 \end@correction 5667
 \endcomment 5660
 \endcorrection 5660, 5667
 \endcsname 1661, 1854, 1894, 2099,
 2102, 2109, 2112, 2129, 2436,
 2453, 2454, 2455, 2456, 2457,
 2593, 2627, 2657, 2863, 2866,
 2872, 2874, 3325, 3522, 3538,
 3553, 3568, 3583, 3596, 3605,
 3614, 3692, 3697, 3700, 3806,
 3930, 4293, 4295, 4299, 4301,
 4305, 4307, 5209, 5212, 5217,
 5218, 5233, 5236, 5240, 5242,
 5244, 5279, 5281, 5823, 5832,
 5843
 \endgroup . 2357, 2435, 2862, 2870,
 3523, 3539, 3554, 3569, 3584,
 3597, 3606, 3615, 5214, 5238,
 5461, 5462, 5463, 5464, 5465,
 5466, 5467, 5468, 5469, 5470,
 5471, 5472
 \endL 4483, 4884
 \endlatin 3282, 3290
 \endLTR 3282
 \endMakeFramed 1479
 \endmath 167
 \endpersian 3292, 3300
 \endquestion 5680
 \endR . 4487, 4488, 4489, 4500, 4501,
 4502, 4707, 4708, 4709, 4727,
 4748, 4749, 4750, 4751, 4752,
 4753, 4904, 4999
 \endRTL 3292
 \ends@math 167
 \endtrivlist 2125, 2435
 \end . . . 2125, 2129, 2435, 2436
 \ensuremath 2840
 \eq@addpunct 172
 \eq@group 140, 149
 \eq@GRP@first@dmath 149
 \eq@prelim 140, 157
 \eq@setnumber 143
 \eq@setup@a 145
 \eq@startup 146
 \eq@wdCond 164
 \eqcommand 176,
 177, 178, 179, 180, 181, 182,
 183, 184, 185, 186, 187, 188,
 189, 190, 191, 192, 193, 194,
 195, 196, 197, 198, 199, 200,
 201, 202, 203, 204, 205, 206,
 207, 208, 209, 210, 211, 212,
 213, 214, 215, 216, 217, 218,
 219, 220, 221, 222, 223, 224,
 225, 226, 227, 228, 229, 230,
 231, 232, 233, 234, 235, 236,
 237, 238, 239, 240, 241, 242,
 243, 244, 245, 246, 247, 248,
 249, 250, 251, 252, 253, 254,
 255, 256, 257, 258, 259, 260,
 261, 262, 263, 264, 265, 266,
 267, 268, 269, 270, 271, 272,



273, 274, 275, 276, 277, 278,
279, 280, 281, 282, 283, 284,
285, 286, 287, 288, 289, 290,
291, 292, 293, 294, 295, 296,
297, 298, 299, 300, 301, 302,
303, 304, 305, 306, 307, 308,
309, 310, 311, 312, 313, 314,
315, 316, 317, 318, 319, 320,
321, 322, 323, 324, 325, 326,
327, 328, 329, 330, 331, 332,
333, 334, 335, 336, 337, 338,
339, 340, 341, 342, 343, 344,
345, 346, 347, 348, 349, 350,
351, 352, 353, 354, 355, 356,
357, 358, 359, 360, 361, 362,
363, 364, 365, 366, 367, 368,
369, 370, 371, 372, 373, 374,
375, 376, 377, 378, 379, 380,
381, 382, 383, 384, 385, 386,
387, 388, 389, 390, 391, 392,
393, 394, 395, 396, 397, 398,
399, 400, 401, 402, 403, 404,
405, 406, 407, 408, 409, 410,
411, 412, 413, 414, 415, 416,
417, 418, 419, 420, 421, 422,
423, 424, 425, 426, 427, 428,
429, 430, 431, 432, 433, 434,
435, 436, 437, 438, 439, 440,
441, 442, 443, 444, 445, 446,
447, 448, 449, 450, 451, 452,
453, 454, 455, 456, 457, 458,
459, 460, 461, 462, 463, 464,
465, 466, 467, 468, 469, 470,
471, 472, 473, 474, 475, 476,
477, 478, 479, 480, 481, 483,
484, 485, 486, 487, 488, 489,
490, 491, 492, 493, 494, 495,
496, 497, 498, 499, 500, 501,
502, 503, 504, 505, 506, 507,
508, 509, 510, 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, 788, 789, 790,
791, 792, 793, 794, 795, 796,
797, 798, 799, 800, 801, 802,
803, 804, 805, 806, 807, 808,
809, 810, 811, 812, 813, 814,
815, 816, 817, 818, 819, 820,
821, 822, 823, 824, 825, 826,
827, 828, 829, 830, 831, 832,
833, 834, 835, 836, 837, 838,
839, 840, 841, 842, 843, 844,
845, 846, 847, 848, 849, 850,
851, 852, 853, 854, 855, 856,
857, 858, 859, 860, 861, 862,
863, 864, 865, 866, 867, 868,
869, 870, 871, 872, 873, 874,



875, 876, 877, 878, 879, 880,	1156, 1157, 1158, 1159, 1160,
881, 882, 883, 884, 885, 886,	1161, 1162, 1163, 1164, 1165,
887, 888, 889, 890, 891, 892,	1166, 1167, 1168, 1169, 1170,
893, 894, 895, 896, 897, 898,	1171, 1172, 1173, 1174, 1175,
899, 900, 901, 902, 903, 904,	1176, 1177, 1178, 1179, 1180,
905, 906, 907, 908, 909, 910,	1181, 1182, 1183, 1184, 1185,
911, 912, 913, 914, 915, 916,	1186, 1187, 1660
917, 918, 919, 920, 921, 922,	<code>\eqenvironment</code> . 1217, 1218, 1219,
923, 924, 925, 926, 927, 928,	1220, 1221, 1222, 1223, 1224,
929, 930, 931, 932, 933, 934,	1225, 1226, 1227, 1228, 1229,
935, 936, 937, 938, 939, 940,	1230, 1231, 1232, 1233, 1234,
941, 942, 943, 944, 945, 946,	1235, 1236, 1237, 1238, 1239,
947, 948, 949, 950, 951, 952,	1240, 1241, 1242, 1243, 1244,
953, 954, 955, 956, 957, 958,	1245, 1246, 1247, 1248, 1249,
959, 960, 961, 962, 963, 964,	1250, 1251, 1252, 1253, 1254,
965, 966, 967, 968, 969, 970,	1255, 1256, 1257, 1258, 1260,
971, 972, 973, 974, 975, 976,	1261, 1262, 1263, 1264, 1265,
977, 978, 979, 980, 981, 982,	1266, 1267, 1268, 1269, 1661
983, 984, 985, 986, 987, 988,	<code>\eqstyle</code> 142
989, 990, 991, 992, 993, 994,	<code>\equal</code> 4682, 4837, 5009, 5014, 5019,
995, 996, 997, 998, 999, 1000,	5024, 5029, 5062, 5067, 5072,
1001, 1002, 1003, 1004, 1005,	5077, 5082
1006, 1007, 1008, 1009, 1010,	<code>\equationautorefname</code> 1485
1011, 1012, 1013, 1014, 1015,	<code>\escapechar</code> 2865, 5211, 5235
1016, 1017, 1018, 1019, 1020,	<code>\everydisplay</code> . . . 137, 5521, 5522
1021, 1022, 1023, 1024, 1025,	<code>\everyjob</code> 2837, 2838
1026, 1027, 1028, 1029, 1030,	<code>\everymath</code> 5518
1031, 1032, 1033, 1034, 1035,	<code>\everypar</code> 3284, 3294, 3311
1036, 1037, 1038, 1039, 1040,	<code>\ExecuteOptions</code> 5670
1041, 1042, 1043, 1044, 1045,	<code>\ExecuteOptionsX</code> 4254
1046, 1047, 1048, 1049, 1050,	<code>\exp</code> . . 2929, 2931, 2932, 2933, 2954,
1051, 1052, 1053, 1054, 1055,	2956, 2957, 2958, 3001, 3003,
1056, 1057, 1058, 1059, 1060,	3004, 3005, 3034, 3036, 3037,
1061, 1062, 1063, 1064, 1065,	3038, 3058, 3060, 3061, 3062,
1066, 1067, 1068, 1069, 1070,	3107, 3109, 3110, 3111, 3131,
1071, 1072, 1073, 1074, 1075,	3133, 3134, 3135, 3155, 3157,
1076, 1077, 1078, 1079, 1080,	3158, 3159, 3179, 3181, 3182,
1081, 1082, 1083, 1084, 1085,	3183, 3203, 3205, 3206, 3207,
1086, 1087, 1088, 1089, 1090,	3227, 3229, 3230, 3231
1091, 1092, 1093, 1094, 1095,	<code>\expandafter</code> 137, 1584, 1590, 1814,
1096, 1097, 1098, 1099, 1100,	1815, 1939, 1973, 2062, 2099,
1101, 1102, 1103, 1104, 1105,	2102, 2109, 2112, 2129, 2171,
1106, 1107, 1108, 1109, 1110,	2260, 2376, 2381, 2382, 2387,
1111, 1112, 1113, 1114, 1115,	2392, 2393, 2399, 2400, 2401,
1116, 1117, 1118, 1129, 1130,	2402, 2409, 2410, 2411, 2412,
1131, 1132, 1133, 1134, 1135,	2414, 2423, 2424, 2425, 2426,
1136, 1137, 1138, 1139, 1140,	2436, 2453, 2454, 2455, 2456,
1141, 1142, 1143, 1144, 1145,	2843, 2845, 2849, 2851, 2855,
1146, 1147, 1148, 1149, 1150,	2857, 2862, 2863, 2866, 2869,
1151, 1152, 1153, 1154, 1155,	2870, 2872, 2873, 3319, 3421,



3692, 3697, 3700, 3715, 3721,
 3806, 3816, 3822, 3916, 3918,
 3920, 3922, 3930, 5206, 5225,
 5230, 5239, 5240, 5241, 5251,
 5518, 5521, 5602
 \expandedtitle 5003
 \ExplSyntaxOff 2128, 2450, 3242,
 5276, 5452, 5554
 \ExplSyntaxOn 2126, 2438, 2888,
 5255, 5282, 5526
 \extract@alph@from@version 5239

F
 \f@baselineskip 3260, 3274, 3514,
 3621, 4313, 4315
 \f@family 2980, 2981
 \f@size 3260, 3274
 \f@ur 1571, 3333, 3349, 3350, 3351,
 3354, 3355, 3356
 \false 5647
 \falsesymbol 5638
 \familydefault 2936, 3008, 3114,
 3138, 3162, 3186, 3210, 3234
 \fancyfoot 4747, 4751, 4752, 4753
 \fancyhead 4746, 4748, 4749, 4750
 \FancyVerbLineautorefname 1498
 \fbox 4631, 4646, 4861, 5624, 5684
 \fboxrule 1468, 1470, 1472, 1474,
 4703
 \fboxsep 1468, 1470, 1472, 1474,
 4634, 4827, 4859, 4931, 4959,
 5007, 5056
 \fi 2, 3, 5, 7, 35,
 63, 68, 92, 136, 138, 139, 140,
 148, 159, 161, 170, 1203, 1289,
 1306, 1313, 1321, 1328, 1336,
 1343, 1351, 1358, 1365, 1372,
 1379, 1386, 1393, 1400, 1407,
 1414, 1421, 1428, 1435, 1442,
 1449, 1456, 1460, 1471, 1473,
 1475, 1485, 1486, 1487, 1488,
 1489, 1490, 1491, 1492, 1493,
 1494, 1495, 1496, 1497, 1498,
 1499, 1500, 1580, 1589, 1616,
 1617, 1631, 1634, 1637, 1640,
 1643, 1646, 1649, 1652, 1655,
 1751, 1752, 1753, 1754, 1755,
 1756, 1757, 1758, 1759, 1800,
 1801, 1807, 1822, 1823, 1828,
 1829, 1832, 1835, 1838, 1841,

1844, 1847, 1851, 1852, 1860,
 1878, 1879, 1885, 1892, 1895,
 1900, 1901, 1920, 1921, 1922,
 1923, 1927, 1928, 1929, 1943,
 1944, 1945, 1946, 1961, 1962,
 1977, 1978, 1979, 1980, 1997,
 1998, 2012, 2021, 2022, 2023,
 2024, 2031, 2032, 2036, 2041,
 2044, 2049, 2052, 2066, 2067,
 2068, 2069, 2092, 2093, 2103,
 2113, 2125, 2143, 2161, 2182,
 2184, 2195, 2199, 2208, 2209,
 2213, 2225, 2230, 2234, 2238,
 2239, 2243, 2248, 2249, 2250,
 2251, 2271, 2273, 2295, 2303,
 2311, 2312, 2321, 2322, 2328,
 2331, 2341, 2362, 2377, 2395,
 2415, 2428, 2431, 2457, 2469,
 2598, 2599, 2600, 2601, 2602,
 2603, 2604, 2605, 2606, 2607,
 2608, 2609, 2610, 2611, 2612,
 2613, 2618, 2632, 2633, 2634,
 2635, 2636, 2637, 2638, 2639,
 2640, 2641, 2642, 2643, 2644,
 2645, 2646, 2647, 2662, 2663,
 2664, 2665, 2666, 2667, 2668,
 2669, 2670, 2671, 2672, 2673,
 2674, 2675, 2676, 2677, 2688,
 2712, 2726, 2727, 2728, 2729,
 2730, 2731, 2732, 2733, 2734,
 2735, 2743, 2751, 2759, 2767,
 2775, 2783, 2791, 2798, 2846,
 2852, 2858, 2876, 2877, 2885,
 2980, 2981, 3288, 3298, 3320,
 3327, 3341, 3346, 3347, 3348,
 3352, 3357, 3358, 3359, 3360,
 3369, 3380, 3381, 3382, 3386,
 3388, 3392, 3393, 3395, 3396,
 3400, 3402, 3406, 3407, 3408,
 3528, 3544, 3559, 3575, 3591,
 3600, 3609, 3618, 3665, 3666,
 3667, 3668, 3669, 3670, 3671,
 3672, 3673, 3674, 3675, 3676,
 3677, 3678, 3679, 3680, 3681,
 3682, 3683, 3691, 3696, 3718,
 3732, 3744, 3749, 3750, 3753,
 3755, 3756, 3768, 3772, 3774,
 3775, 3777, 3780, 3782, 3788,
 3791, 3794, 3798, 3803, 3819,
 3833, 3845, 3850, 3851, 3854,



3856, 3857, 3869, 3873, 3875,
 3876, 3878, 3884, 3885, 3887,
 3892, 3899, 3905, 3923, 3924,
 3925, 3926, 3927, 3928, 3935,
 3936, 3939, 3940, 3943, 3944,
 3946, 3947, 3959, 4020, 4032,
 4040, 4048, 4054, 4061, 4069,
 4076, 4083, 4095, 4101, 4107,
 4111, 4115, 4121, 4133, 4134,
 4145, 4146, 4157, 4158, 4170,
 4206, 4213, 4220, 4234, 4245,
 4252, 4274, 4324, 4325, 4327,
 4656, 4657, 4862, 4879, 5043,
 5117, 5136, 5163, 5188, 5206,
 5224, 5225, 5230, 5250, 5251,
 5350, 5455, 5473, 5474, 5475,
 5476, 5477, 5478, 5479, 5480,
 5481, 5482, 5483, 5485, 5494,
 5495, 5496, 5498, 5499, 5500,
 5506, 5507, 5508, 5510, 5511,
 5512, 5738, 5740, 5741, 5742,
 5748, 5772, 5773, 5793, 5804,
 5825, 5834, 5841, 5848, 5863
 \figureautorefname 1488
 \figurename 1315, 3665
 \finishsetclass 1587, 1591
 \firstarticle .. 4758, 4782, 4783,
 4785
 \FirstFrameCommand 1470
 \firstimage . 4855, 4868, 4869, 4871
 \firstTextFormat 4516, 4518
 \firstTitleFormat 4504, 4510, 4511
 \float@box 2100, 2110
 \float@endH 2099, 2109
 \floatsep 3625, 3629, 3630
 \flushright 4504, 4523, 4542
 \font 1574, 3337
 \font@name 4293, 4295, 4299, 4301,
 4305, 4307
 \fontcharwd 1574
 \fontencding .. 2931, 2957, 3003,
 3037, 3061, 3109, 3133, 3157,
 3181, 3205, 3229
 \fontfamily 2932, 2956, 3004, 3036,
 3060, 3075, 3078, 3081, 3084,
 3087, 3090, 3110, 3134, 3158,
 3182, 3206, 3230
 \fontsize 3260, 3274
 \fontspec . 2127, 2445, 2927, 2951,
 3000, 3031, 3055, 3105, 3129,
 3153, 3177, 3201, 3225, 5394,
 5428, 5443
 \foot 4499
 \footdir@debugfalse 4106
 \footdir@debugtrue 4104
 \footins 3623
 \footnote 4596
 \footnoteautorefname 1486
 \footnoterule 4595
 \footnotesep 3622, 4321, 4323
 \footnotesize 84, 86, 88, 1289, 1290,
 1291, 1460, 1462, 1464, 3462,
 3463, 4424, 4425, 4459, 4492,
 4557, 4581, 4582, 4594
 \foottextfont 1289
 \FrameCommand 1468
 \FrameRestore 1476
 \Frefchapname ... 1300, 1369, 1371
 \frefchapname 1367
 \Frefenumname ... 1301, 1376, 1378
 \frefenumname 1374
 \Frefeqname 1308, 1383, 1385
 \frefeqname 1381
 \Freffigname 1315, 1348, 1390, 1392
 \freffigname 1388
 \Freffigshortname 1346, 1439, 1441
 \freffigshortname 1437
 \Freffnname 1316, 1397, 1399
 \freffnname 1395
 \Frefonname 1323, 1404, 1406
 \frefonname 1402
 \Frefpgname . 1330, 1355, 1411, 1413
 \frefpgname 1409
 \Frefpgshortname 1353, 1446, 1448
 \frefpgshortname 1444
 \Frefsecname 1331, 1418, 1420
 \frefsecname 1416
 \Frefseenname 1338, 1425, 1427
 \frefseenname 1423
 \Freftablename 1345, 1432, 1434
 \freftablename 1430
 \Freftabshortname 1360, 1453, 1455
 \freftabshortname 1451
 \frenchspacing 2124, 2432
 \frontmatter 15, 95, 106, 124, 1277,
 2617
 \futurelet 2367, 5458

G
 \g 2931, 2937, 2957, 3003, 3009, 3037,



3061, 3109, 3115, 3133, 3139,
 3157, 3163, 3181, 3187, 3205,
 3211, 3229, 3235, 5256, 5394,
 5397, 5398, 5399, 5400, 5428,
 5430, 5443, 5445
 \g@addto@macro 5599
 \G@refundefinedtrue 3322
 \gdef 43, 49, 55, 61, 102, 103, 113, 114,
 120, 121, 132, 133, 1275, 1285,
 1286, 1297, 1298, 1505, 1506,
 1521, 1523, 1746, 1747, 2562,
 2563, 2569, 2570, 2576, 2577,
 2584, 2585, 2592, 2625, 2626,
 2655, 2656, 4437, 4707, 4708,
 4709, 5458, 5565, 5567, 5585,
 5587, 5589, 5595, 5596, 5612,
 5637, 5638, 5652, 5671, 5673,
 5678, 5689
 \get@cdp 5265
 \getanddefine@fonts . 4292, 4298,
 4304, 5212, 5236
 \Gin@boolkey 2452
 \glb@currsz 5393
 \global 73, 74, 139, 149, 150, 151, 152,
 153, 154, 155, 156, 164, 1857,
 1861, 2181, 2270, 4616, 4617,
 4618, 4619, 4620, 4621, 4622,
 4623, 4624, 4625, 5218, 5244
 \globaldefs 5213, 5237
 \glsaddprotectedpagefmt . 1481,
 1482, 1483
 \goodbreak 5194
 \grid 4398, 4402, 4664
 \Grot@x 2460, 2461, 2462, 2463
 \Grot@y 2464, 2465, 2466, 2467, 2468,
 2469
 \group 2445
 \group@elt 5264
 \group@list 5264
 \grp@aligned 155
 \GRP@box 150
 \grp@eqs@numbered 154
 \grp@hasNumber 159
 \GRP@label 151
 \grp@linewidth 153
 \GRP@queue 150
 \grp@setnumber 159
 \grp@shiftnumber 156
 \grp@wdL 152
 \grp@wdNum 153

\grp@wdR 152
 \grp@wdT 152

H

\harfi 1190, 1208, 1213, 1740, 2598,
 2632, 2662, 3697
 \harfinumeral 3698
 \hbox . 2008, 2691, 2695, 3321, 3663,
 3664
 \headDateTimeFormat .. 4463, 4465
 \headerfont 5565
 \headheight 4697
 \heading 4486
 \headrulewidth 4698, 4754
 \headtoname 3682
 \height 2464, 2465
 \hfil . 2004, 2005, 2006, 2007, 2039,
 2040, 2041, 2047, 2048, 2049
 \hline 5147, 5606, 5607, 5610, 5611,
 5631, 5632
 \hrule 1569, 5030, 5036, 5083, 5089,
 5134, 5174
 \hrulefill 4712, 4717, 4731
 \hsize 1476, 1865, 1881, 1906, 1907,
 2105, 2115
 \hskip 1573, 2006, 2007, 2049
 \hspace 4465, 4483, 4712, 4718, 4730,
 4732, 4910
 \hss 1893, 3643
 \Huge .. 3509, 3510, 4435, 4504, 4560
 \huge 3503, 3504, 4434
 \Hy@AlphNoErr 1521, 1523
 \Hy@appendixstring .. 1507, 1525
 \Hy@backout 69, 77
 \Hy@chapapp 1507, 1525
 \HyOrg@appendix 1502, 1508
 \HyOrg@resets@pp 1518, 1526
 \hyper@natlinkbreak .. 2203, 2234
 \hyper@natlinkstart 77

I

\if . 140, 159, 1818, 1824, 1830, 1833,
 1836, 1839, 1842, 1845, 1848,
 1879, 1886, 1887, 1888, 1889,
 1901, 1918, 1919, 1920, 1921,
 1922, 1923, 1924, 1925, 1926,
 1927, 1941, 1942, 1943, 1944,
 1945, 1946, 1948, 1949, 1950,
 1951, 1952, 1955, 1956, 1957,
 1958, 1959, 1960, 1975, 1976,



1977, 1978, 1979, 1980, 1982,
 1983, 1984, 1985, 1986, 1987,
 1988, 1991, 1992, 1993, 1994,
 1995, 1996, 2019, 2020, 2021,
 2022, 2023, 2024, 2026, 2027,
 2028, 2029, 2030, 2031, 2064,
 2065, 2066, 2067, 2068, 2069,
 2070, 2071, 2072, 2073, 2074,
 2075, 2076, 2077, 2079, 2080,
 2081, 2082, 2083, 2086, 2087,
 2088, 2089, 2090, 2091, 2186,
 2216, 2234, 2244, 2250, 2251,
 2312, 2328, 2360, 2380, 2386,
 2388, 2398, 2406, 2408, 2430,
 2460, 2461, 2462, 2463, 2464,
 2465, 2466, 2467, 2468, 2469
 \if@textdigitfont@on 2980, 2981,
 3372
 \if@bidi@algorithmicloaded@ . .
 1629
 \if@bidi@algorithmloaded@ 1632
 \if@bidi@backrefloaded@ . . 1635
 \if@bidi@csprimitive 1660
 \if@bidi@csundef 2968, 3657, 3910,
 3961
 \if@bidi@enumerateloaded@ 1638
 \if@bidi@enumitemloaded@ . 1641
 \if@bidi@fancyrefloaded@ . 1644
 \if@bidi@tocloftloaded@ . . 1647
 \if@bidi@urllloaded@ 1650
 \if@bidi@variorefloaded@ . 1653
 \if@chapter@pp 28
 \if@extrafootnotefeatures 4271
 \if@files@w 3320
 \if@hboxRconstruct . . 1878, 1900
 \if@inlabel 139
 \if@Kashida@on 1563, 1565
 \if@LTRbibitems 3957
 \if@newlist 2125
 \if@nonlatin 2684, 2980, 2981, 5506,
 5507, 5508, 5510, 5511, 5512
 \if@noskipsec 138
 \if@pboxsw 1895
 \if@RTL 2, 3, 5,
 7, 63, 92, 136, 148, 161, 1302,
 1309, 1317, 1324, 1332, 1339,
 1347, 1354, 1361, 1368, 1375,
 1382, 1389, 1396, 1403, 1410,
 1417, 1424, 1431, 1438, 1445,
 1452, 1471, 1473, 1475, 1485,
 1486, 1487, 1488, 1489, 1490,
 1491, 1492, 1493, 1494, 1495,
 1496, 1497, 1498, 1499, 1500,
 1616, 1617, 1751, 1752, 1753,
 1754, 1755, 1756, 1757, 1758,
 1759, 1879, 1901, 2726, 2727,
 2728, 2729, 2730, 2731, 2732,
 2733, 2734, 2735, 2738, 2746,
 2754, 2762, 2770, 2778, 2786,
 2794, 3665, 3666, 3667, 3668,
 3669, 3670, 3671, 3672, 3673,
 3674, 3675, 3676, 3677, 3678,
 3679, 3680, 3681, 3682, 3683
 \if@RTL@footnote 1289, 1460
 \if@RTLmain 3327
 \if@RTLtab 1920, 1921, 1922, 1923,
 1943, 1944, 1945, 1946, 1977,
 1978, 1979, 1980, 2021, 2022,
 2023, 2024, 2066, 2067, 2068,
 2069
 \if@temp@swa 2303, 3528, 3544, 3559,
 3575, 3591, 3600, 3609, 3618
 \if@twoside 2618
 \if@xepersian@@computeautoilg
 3329, 4311
 \ifadl@usingarypkg 1965
 \ifBR@verbose 66
 \ifcase 2003, 2034, 2038, 2042, 2046,
 2185, 2215, 2308, 3685, 3694,
 3722, 3785, 3791, 3794, 3797,
 3801, 3823, 3890, 3895, 3902,
 3934, 3938, 3942, 3946, 4015,
 4026, 4034, 4042, 4050, 4057,
 4065, 4072, 4079, 4085, 4097,
 4103, 4109, 4113, 4117, 4123,
 4136, 4148, 4160, 4202, 4209,
 4216, 4223, 4238, 4248, 5856
 \ifdim . 169, 2842, 2848, 2854, 3338,
 3339, 3343, 3344, 3349, 3350,
 3354, 3355, 3364, 3380, 3381,
 3382, 3388, 3395, 3396, 3402,
 4317, 4321, 4644, 5129
 \iffontchar 3337, 5343
 \ifhmode 1802
 \ifinner 1808
 \ifmmode 1890, 5208, 5232
 \ifNAT@full 2183, 2272
 \ifNAT@longnames 2179, 2268
 \ifNAT@numbers 2132, 2339
 \ifNAT@super 2133



\ifNAT@swa . 2185, 2250, 2274, 2326
\ifnum . 170, 1849, 1916, 1917, 1933,
1934, 1935, 1936, 1938, 1967,
1968, 1969, 1970, 1972, 2017,
2018, 2056, 2057, 2058, 2059,
2061, 2708, 2881, 3362, 3712,
3714, 3723, 3724, 3725, 3726,
3727, 3728, 3729, 3730, 3747,
3749, 3751, 3753, 3755, 3760,
3771, 3772, 3774, 3776, 3777,
3780, 3813, 3815, 3824, 3825,
3826, 3827, 3828, 3829, 3830,
3831, 3848, 3850, 3852, 3854,
3856, 3861, 3872, 3873, 3875,
3877, 3878, 3880, 3885, 3912,
3914, 3916, 3918, 3920, 3922,
3936, 3940, 3944, 3947, 5041,
5115, 5161, 5186, 5209, 5233,
5734, 5738, 5766, 5772, 5793,
5820, 5824, 5829, 5833, 5835,
5844
\ifodd 1819, 1825, 5727, 5732
\ifthenelse 4384, 4396, 4405, 4509,
4524, 4543, 4564, 4682, 4760,
4761, 4791, 4823, 4837, 4857,
4875, 4899, 4929, 4953, 4980,
5009, 5014, 5019, 5024, 5029,
5062, 5067, 5072, 5077, 5082,
5613
\ifvoid 3286, 3296
\ifwritexviii . . 2880, 4125, 4137,
4149
\ifx . . 1190, 1191, 1192, 1193, 1194,
1195, 1196, 1197, 1198, 1199,
1200, 1587, 1795, 1798, 1882,
2102, 2112, 2189, 2190, 2192,
2219, 2220, 2222, 2291, 2309,
2369, 2418, 2457, 2596, 2598,
2599, 2600, 2601, 2602, 2603,
2604, 2605, 2606, 2607, 2608,
2609, 2610, 2611, 2612, 2630,
2632, 2633, 2634, 2635, 2636,
2637, 2638, 2639, 2640, 2641,
2642, 2643, 2644, 2645, 2646,
2660, 2662, 2663, 2664, 2665,
2666, 2667, 2668, 2669, 2670,
2671, 2672, 2673, 2674, 2675,
2676, 2863, 2871, 2980, 2981,
5206, 5230, 5453, 5461, 5462,
5463, 5464, 5465, 5466, 5467,
5468, 5469, 5470, 5471, 5485,
5494, 5495, 5496, 5498, 5499,
5500, 5506, 5507, 5508, 5510,
5511, 5512
\ifXePersian@kabiseh . 5695, 5800
\ifXePersian@leap . . . 5695, 5744
\IfxepersianPackageVersion 2853
\IfxepersianPackageVersionBefore
. 2847
\IfxepersianPackageVersionLater
. 2841
\ifxetex 4637, 4860, 4877
\ignorespaces 173, 2107, 2117, 2923,
2947, 2989, 2996, 3101, 3125,
3149, 3173, 3197, 3221, 4455,
4508, 4518, 4523, 4531, 4536,
4542, 4550, 4810, 4836, 4985
\image 4632
\immediate 3320, 4128, 4129, 4140,
4141, 4152, 4153
\includegraphics 4647, 4861, 4878
\indexEntryFormat . . . 4453, 4455
\indexEntryPageFormat 4459, 4461
\indexEntryPageTxt . . 4458, 4461
\indexEntrySeparator . 4457, 4985
\indexFormat 4449, 4451
\indexitem . 4978, 4988, 4989, 4991
\indexname 3671
\init@restore@version 5215, 5263
\innerAuthorFormat . . 4581, 5098
\innerPlaceFormat . . . 4582, 5098
\innerSubtitleFormat . 4571, 4572
\innerTextFinalMark . . 4583, 5119
\innerTitleFormat 4560, 4565, 4566
\input 1671, 1672, 1673, 1674, 1675,
1676, 1677, 3965, 3966, 3967,
3968, 3969, 3970, 3971, 3972,
3973, 3974, 3975, 3976, 3977,
3978, 3979, 3980, 3981, 3982,
3983, 3984, 3985, 3986, 3987,
3988, 3989, 3990, 3991, 3992,
3993, 3994, 3995, 3996, 3997,
3998, 3999, 4000, 4001, 4002,
4003, 4004, 4005, 4006, 4007,
4008, 4009, 4110, 4114, 4272,
4273
\insert@column . 2005, 2006, 2007,
2008, 2010, 2011
\int . . 5288, 5291, 5299, 5307, 5315,
5323, 5530, 5543



`\intermath@penalty` 172
`\intextsep` 3629
`\iranicdefault` . 3069, 3081, 3226,
3234
`\iranicfamily` .. 3079, 3080, 3093,
3227
`\item` 5639, 5640, 5641, 5642
`\itemautorefname` 1487
`\itemsep` .. 3527, 3543, 3558, 3574,
3590
`\itshape` 3955, 5651

J

`\jobname` .. 4129, 4130, 4141, 4142,
4153, 4154

K

`\KashidaOff` 1612
`\KashidaOn` 1611, 1614
`\kern` 2137, 3287, 3297, 3664
`\keys` 2890, 2897, 2905, 2912
`\keyval@eq@alias@key` . 1663, 1667
`\KV@@sp@def` 4014

L

`\l` 2892, 2893, 2894, 2901, 2907, 2908,
2909, 2916, 2927, 2928, 2932,
2951, 2956, 3000, 3004, 3105,
3106, 3110, 3129, 3130, 3134,
3153, 3154, 3158, 3177, 3178,
3182, 3201, 3202, 3206, 3225,
3226, 3230, 5346, 5353, 5357,
5358, 5365, 5366, 5373, 5374
`\label` 5114, 5160, 5184
`\labelsep` . 3571, 3586, 3599, 3608,
3617
`\labelwidth` 3571, 3586, 3599, 3608,
3617
`\LARGE` 3497, 3498, 4433, 4520, 4584,
4587, 4600, 4602
`\Large` 3491, 3492, 4432, 4539, 4589,
4716, 4999, 5033
`\large` 3485, 3486, 4431, 4443, 4449,
4529, 4548, 4571, 4591, 4604,
4610, 4722
`\lastbox` 3285, 3295
`\LastFrameCommand` 1474
`\lastpenalty` 170
`\lastskip` 169
`\latin` 3281, 3283

`\LatinAlphs` 3281, 3301, 3951
`\Latincite` 2335, 3313
`\latinfont` . 3001, 3257, 3259, 4173
`\latintoday` 3304
`\lccode` 2354, 2355, 2356
`\leaders` 1569
`\leavevmode` .. 138, 139, 1876, 1898,
2125, 3315, 3663
`\leftfootnoterule` 4088
`\leftmargin` 3524, 3540, 3555, 3570,
3571, 3585, 3586, 3598, 3599,
3607, 3608, 3616, 3617
`\leftmargini` 3524, 3540, 3555
`\leftmarginii` 3570
`\leftmarginiii` 3585
`\leftmarginiv` 3598
`\leftmarginv` 3607
`\leftmarginvi` 3616
`\let` ... 11, 19, 73, 74, 149, 151, 154,
155, 156, 162, 167, 1198, 1199,
1200, 1201, 1502, 1512, 1513,
1518, 1533, 1587, 1589, 1869,
1870, 1871, 1872, 1873, 1874,
1893, 1910, 1911, 1912, 1913,
1982, 1983, 1984, 2026, 2027,
2028, 2096, 2099, 2100, 2109,
2110, 2129, 2133, 2135, 2136,
2139, 2140, 2141, 2142, 2144,
2145, 2146, 2147, 2152, 2153,
2154, 2155, 2156, 2157, 2158,
2168, 2177, 2180, 2183, 2184,
2257, 2266, 2269, 2272, 2273,
2281, 2336, 2361, 2372, 2379,
2385, 2389, 2390, 2405, 2407,
2427, 2436, 2454, 2456, 2596,
2630, 2660, 2681, 2707, 3244,
3245, 3257, 3258, 3262, 3263,
3266, 3267, 3268, 3269, 3271,
3272, 3276, 3277, 3303, 3316,
3435, 3452, 3469, 3530, 3693,
3698, 3705, 3811, 3931, 3949,
3950, 3952, 3953, 4162, 4163,
4167, 4168, 4205, 4232, 4233,
4594, 4595, 4596, 4616, 4617,
4618, 4619, 4620, 4621, 4622,
4623, 4624, 4625, 5204, 5220,
5246, 5393, 5519, 5523, 5568,
5657, 5658, 5659, 5660, 5664,
5665, 5666, 5667, 5679, 5680,
5853, 5854, 5855



<code>\lineskip</code>	4605	<code>\mathchar@type</code>	5270, 5279, 5281
<code>\linespread</code>	3367	<code>\mathchardef</code>	5456
<code>\linewidth</code>	5605, 5609, 5624, 5684	<code>\mathcode</code>	5292, 5300, 5308, 5316, 5324, 5484
<code>\listalgorithmname</code>	7	<code>\mathgroup</code>	5203
<code>\listfigurename</code>	3668	<code>\mathiranic</code>	3080
<code>\listtablename</code>	3669	<code>\mathit</code>	5284, 5416, 5536, 5549
<code>\LoadClass</code>	4377	<code>\mathnavar</code>	3083
<code>\logo</code>	4710, 4739	<code>\mathord</code>	5414
<code>\long</code>	1875	<code>\mathpersiansf</code>	3074
<code>\longdate</code>	5094	<code>\mathpersiantt</code>	3077
<code>\loop</code>	3336, 5821, 5830	<code>\mathpook</code>	3086
<code>\lower</code>	3663	<code>\mathrm</code>	5285, 5417, 5537, 5550
<code>\lowercase</code>	2357	<code>\mathsayeh</code>	3089
<code>\lr</code>	1512, 2168, 2257, 3279, 3304, 3317, 4437, 4492, 4884	<code>\mathsf</code>	5286, 5432, 5538, 5551
<code>\LRE</code>	3279	<code>\mathsurround</code>	166
<code>\lstlistingname</code>	1616	<code>\mathhtt</code>	5287, 5447, 5539, 5552
<code>\lstlistlistingname</code>	1617	<code>\mbox</code>	2139
<code>\LTR</code>	3281	<code>\meaning</code>	2866, 2869
<code>\LTRfoottextfont</code>	1290	<code>\MessageBreak</code>	2194, 2195, 2224, 2225, 3962, 4782, 4814, 4848, 4868, 4889, 4892, 4914, 4939, 4965, 4988, 4991, 5617
<code>\ltx@ifundefined</code>	1504, 1516, 1520	<code>\MidFrameCommand</code>	1472
M			
<code>\m@ne</code>	2285, 5211, 5235	<code>\minilogo</code>	4721, 4935
<code>\m@th</code>	1895	<code>\minraggedcols</code>	4360, 4361, 4399, 4403, 5041, 5115, 5161, 5186
<code>\makeform</code>	5661, 5668	<code>\mlftitle</code>	1755
<code>\makeform@correction</code>	5576, 5668	<code>\mlttitle</code>	1756
<code>\makeform@nocorrection</code>	5573, 5661	<code>\month</code>	5721
<code>\MakeFramed</code>	1476	<code>\msg</code>	5330, 5332
<code>\MakeLowercase</code>	1371, 1378, 1385, 1392, 1399, 1406, 1413, 1420, 1427, 1434, 1441, 1448, 1455	<code>\mtctitle</code>	1754
<code>\makemask</code>	5662, 5669	<code>\multido</code>	4683, 4689
<code>\makemask@correction</code>	5581, 5669	<code>\multiply</code>	1855, 5724, 5737, 5764, 5770, 5787, 5791
<code>\makemask@nocorrection</code>	5578, 5662	<code>\mylogo</code>	4726
<code>\maketitle</code>	4593, 4617	N	
<code>\MakeUppercase</code>	4559	<code>\n</code>	5458, 5461, 5462, 5463, 5464, 5465, 5466, 5467, 5468, 5469, 5470, 5471
<code>\makezwnjletter</code>	1658, 1659	<code>\NAT@@close</code>	2251, 2330
<code>\math@bgroup</code>	5206, 5230	<code>\NAT@@Latin@@citetp</code>	2338, 2342, 2343, 2344
<code>\math@fonts</code>	5213, 5237	<code>\NAT@@open</code>	2234, 2310
<code>\math@version</code>	5209, 5212, 5217, 5218, 5222, 5233, 5236, 5240, 5242, 5244, 5248	<code>\NAT@alias</code>	2212, 2242, 2277, 2320
<code>\mathalpha</code>	5403, 5404, 5405, 5406, 5407, 5408, 5409, 5410, 5411, 5412, 5531, 5544	<code>\NAT@all@names</code>	2180, 2183, 2269, 2272
<code>\mathbf</code>	5283, 5415, 5535, 5548	<code>\NAT@aysep</code>	2204
<code>\mathbin</code>	5413, 5533, 5546	<code>\NAT@biblabel</code>	2155



`\NAT@biblabelnum` 2146
`\NAT@bibsetnum` 2147
`\NAT@bibsetup` 2156
`\NAT@cite` 2152
`\NAT@cite@list` 2169, 2258
`\NAT@citea@mbx` 2303
`\NAT@citenum` 2140
`\NAT@citesuper` 2133
`\NAT@citeundefined` . . 2174, 2264
`\NAT@citex` 2153
`\NAT@citexnum` 2144
`\NAT@close` 2148, 2159
`\NAT@cmpers` 2279, 2325
`\NAT@cmt` 2250, 2328
`\NAT@cctype` 2185, 2215, 2275, 2277,
2308, 2316, 2318, 2327, 2336
`\NAT@date` . 2159, 2176, 2186, 2187,
2198, 2206, 2211, 2216, 2229,
2236, 2241, 2244, 2251
`\NAT@def@citea` . . 2213, 2245, 2306
`\NAT@def@citea@box` 2314
`\NAT@def@citea@close` 2247
`\NAT@exlab` . 2192, 2196, 2222, 2226
`\NAT@fullfalse` 2337
`\NAT@fulltrue` 2337
`\NAT@hyper@` 2187, 2196, 2198, 2201,
2210, 2211, 2212, 2217, 2226,
2229, 2232, 2240, 2241, 2242,
2277, 2313
`\NAT@hyper@citea@space` . . 2316,
2318, 2320
`\NAT@idxtxt` 2148, 2159
`\NAT@ifcat@num` 2280, 2283
`\NAT@last@nm` 2177, 2189, 2219, 2266,
2309
`\NAT@last@num` . . 2266, 2283, 2284,
2302
`\NAT@last@yr` 2177, 2190, 2220, 2257,
2291, 2325
`\NAT@last@yr@mbx` . . . 2287, 2297
`\NAT@Latin@cites` 2337, 2338
`\NAT@Latin@citex` 2154, 2162, 2163
`\NAT@Latin@citexnum` . 2145, 2252,
2253
`\NAT@mbx` . 2134, 2139, 2310, 2313,
2330
`\NAT@merge` 2287, 2302
`\NAT@name` . 2148, 2159, 2180, 2184,
2269, 2273
`\NAT@nm` 2168, 2177, 2183, 2184, 2187,
2189, 2202, 2210, 2217, 2219,
2233, 2240, 2257, 2266, 2272,
2273, 2281, 2282, 2286, 2290,
2309
`\NAT@nmfmt` 2187, 2202, 2210, 2217,
2233, 2240
`\NAT@num` . . 2148, 2257, 2266, 2280,
2281, 2302, 2313
`\NAT@open` 2148, 2159
`\NAT@parse` 2178, 2267
`\NAT@partrue` 2336
`\NAT@penalty` 2150, 2158, 2294, 2309
`\NAT@reset@citea` 2167, 2256
`\NAT@reset@parser` . . . 2165, 2254
`\NAT@set@cites` 2131, 2334
`\NAT@sort@cites` 2166, 2255
`\NAT@space` . 2136, 2141, 2157, 2309
`\NAT@spacechar` . 2141, 2148, 2157,
2159, 2197, 2204, 2228, 2234,
2310, 2312
`\NAT@super@kern` . 2137, 2142, 2310
`\NAT@swafalse` 2340
`\NAT@swatru` 2336
`\NAT@temp` . . 2191, 2192, 2221, 2222
`\NAT@test` . . 2277, 2310, 2316, 2318
`\NAT@year` . . 2168, 2177, 2190, 2220
`\NAT@yrsep` 2189, 2219, 2309
`\natexlab` 2149, 2160
`\navardefault` . . 3070, 3084, 3154,
3162
`\navarfamily` 3082, 3083, 3094, 3155
`\NeedsTeXFormat` 2800, 4331, 5200,
5555, 5692
`\new@mathalphabet` 5266
`\new@mathbf` 5289, 5415, 5548
`\new@mathgroup` . . 5203, 5204, 5259
`\new@mathit` 5297, 5416, 5549
`\new@mathrm` 5305, 5417, 5550
`\new@mathsf` 5313, 5432, 5551
`\new@mathtt` 5321, 5447, 5552
`\new@mathversion` 5264
`\new@symbolfont` 5265
`\newboolean` 4342, 4344, 4346, 4348,
4350, 4352, 4354
`\newcolumnntype` 5569, 5570
`\newcommand` 1611, 1612, 1658, 1660,
1661, 1663, 1667, 2162, 2252,
2338, 2343, 2714, 2839, 2841,
2847, 2853, 2980, 2981, 3067,



3068, 3069, 3070, 3071, 3072,	\newmathalphabet@@ 5260
3334, 3374, 3375, 3379, 3411,	\newmathalphabet@@@ 5260
3651, 3656, 3699, 3702, 3805,	\newpage . . . 4127, 4139, 4151, 4745
3808, 4285, 4339, 4394, 4438,	\newsavebox 4628
4439, 4442, 4443, 4444, 4449,	\newsection 5102
4450, 4453, 4454, 4457, 4458,	\next . 1587, 1589, 1590, 2361, 2362,
4459, 4460, 4463, 4464, 4468,	2363, 2367, 2369, 2372, 2376,
4469, 4472, 4473, 4474, 4475,	2377, 2379, 2385, 2390, 2394,
4478, 4481, 4486, 4491, 4494,	2396, 2405, 2407, 2413, 2416,
4496, 4499, 4504, 4505, 4516,	2420, 2427, 2429
4517, 4520, 4521, 4529, 4530,	\nobreak 1568, 2134
4533, 4534, 4539, 4540, 4548,	\noexpand . 2360, 2380, 2386, 2388,
4549, 4551, 4552, 4553, 4554,	2398, 2406, 2408, 2420, 2421,
4557, 4558, 4560, 4561, 4571,	2430, 3429, 3435, 3446, 3452,
4572, 4573, 4574, 4575, 4576,	3463, 3469, 3474, 3480, 3486,
4581, 4582, 4583, 4584, 4585,	3492, 3498, 3504, 3510, 3528,
4586, 4587, 4588, 4589, 4590,	3544, 3559, 3575, 3591, 3600,
4591, 4592, 4627, 4632, 4664,	3609, 3618, 5216
4696, 4710, 4721, 4726, 4734,	\nohyphens . 4510, 4525, 4544, 4565
4758, 4789, 4821, 4855, 4874,	\noindent . 4455, 4470, 4508, 4518,
4978, 4996, 5003, 5045, 5053,	4523, 4531, 4536, 4542, 4550,
5096, 5102, 5122, 5139, 5168,	4555, 4559, 4563, 4712, 4729,
5193, 5277, 5278, 5280, 5453,	4810, 4836, 4861, 4908, 4985,
5454, 5565, 5567, 5573, 5576,	4999, 5033, 5048, 5086, 5143,
5578, 5581, 5585, 5587, 5589,	5171, 5196, 5198
5637, 5638, 5643, 5647, 5652,	\non@alpherr 5225, 5251
5671, 5673, 5849	\nopagebreak 5685
\newcount . 3330, 4356, 4357, 4360,	\normalcolor 1863, 2104, 2114
4662, 4663, 5696, 5697, 5698,	\normalfont 2939, 3011, 3117, 3141,
5699, 5700, 5701, 5702, 5703,	3165, 3189, 3213, 3237, 3257,
5704, 5705, 5706, 5707, 5708,	3258, 3271, 3272
5709, 5711, 5712, 5713, 5714,	\normalsize 3309, 3428, 3429, 3513,
5715, 5716, 5717, 5718	4406, 4407, 4453, 5048, 5086
\newcounter 5590, 5591	\not 5597
\newdimen . . 3331, 3332, 4660, 4661	\not@math@alphabet . 3074, 3077,
\NewDocumentCommand . 3022, 3046,	3080, 3083, 3086, 3089
5289, 5297, 5305, 5313, 5321,	\null 4597, 4613
5529, 5542	\number 3712, 3714, 3715, 3813, 3815,
\newenvironment 1661, 2348, 2349,	3816, 3916, 3918, 3920, 3922,
3283, 3293, 3301, 3302, 4629,	5217, 5241, 5850, 5851
4735, 4897, 4927, 4951, 5105,	\numexpr . . 5292, 5300, 5308, 5316,
5154, 5180, 5619, 5653	5324
\newfam 5204	
\newfontface 2682	O
\newfontlanguage 2887	\obeyspaces 5458
\newfontscript 2886	\old@endquestion 5680, 5688
\newif . 1563, 2880, 3329, 3372, 5695	\old@question 5679, 5686
\newlength 4334, 4335, 4336, 4337,	\or 2005, 2006, 2007, 2009, 2010, 2034,
4338, 4340, 5583, 5674, 5676	2035, 2036, 2040, 2041, 2042,
\newmathalphabet 5260	2043, 2044, 2048, 2049, 2210,



2211, 2212, 2240, 2241, 2242,
2315, 2317, 2319, 3685, 3686,
3687, 3688, 3689, 3690, 3694,
3695, 3696, 3733, 3734, 3735,
3736, 3737, 3738, 3739, 3740,
3741, 3742, 3746, 3785, 3786,
3787, 3788, 3791, 3794, 3797,
3798, 3801, 3802, 3803, 3834,
3835, 3836, 3837, 3838, 3839,
3840, 3841, 3842, 3843, 3847,
3890, 3891, 3892, 3895, 3896,
3897, 3898, 3899, 3902, 3903,
3904, 3905, 3934, 3935, 3938,
3939, 3942, 3943, 3946, 4018,
4028, 4030, 4036, 4038, 4044,
4046, 4052, 4059, 4067, 4074,
4081, 4087, 4089, 4091, 4093,
4099, 4105, 4119, 4165, 4204,
4211, 4218, 4231, 4243, 4250,
5856, 5857, 5858, 5859, 5860,
5861, 5862

\orig . 5283, 5284, 5285, 5286, 5287,
5290, 5298, 5306, 5314, 5322,
5527, 5535, 5536, 5537, 5538,
5539, 5547

\originaltoday 3303, 3304

\Ovalbox 5025, 5078

\ovalbox 5020, 5073

\overline 5471

P

\p@ 2137, 3380, 3381, 3382, 3383, 3385,
3388, 3389, 3391, 3395, 3396,
3397, 3399, 3402, 3403, 3414,
3417, 3579, 4598

\PackageError . . 1630, 1633, 1636,
1639, 1642, 1645, 1648, 1651,
1654, 3658, 3707, 3962, 4126,
4132, 4138, 4144, 4150, 4156

\PackageInfo . . . 67, 79, 3365, 3366,
4318, 4319, 5277

\PackageWarning 2175, 2264, 3908,
4124

\PackageWarningNoLine 2192, 2222

\page@free 4642, 4644

\pageautorefname 1500

\pagegoal 5124

\pagename 1330, 3681

\pagenumbering . . 15, 98, 109, 127,
1280, 1739, 2619

\pageref . . 2780, 2782, 2788, 2790,
4483, 4981

\pagesFormat 4557, 4559

\pagestyle 4700

\pagetotal 5125

\par . . . 10, 17, 24, 40, 46, 52, 58, 99,
110, 117, 129, 787, 1272, 1282,
1294, 1532, 1743, 2559, 2566,
2573, 2581, 2589, 2622, 2652,
4600, 4602, 4608, 4610, 4611,
5100, 5185, 5625, 5685

\paragraphautorefname 1496

\parallel 4465

\parbox 5624, 5684

\parindent 3287, 3297

\parsep 3515, 3526, 3527, 3531, 3542,
3543, 3546, 3557, 3558, 3561,
3573, 3574, 3588

\partautorefname 1490

\partname 3674

\partopsep 3579, 3589, 3638

\PassOptionsToClass . 4362, 4363,
4364

\pbs 5568, 5569

\pdflastxpos 1545

\pdfsavepos 1544

\pdfstringdefDisableCommands .
. 1511

\penalty 166, 172, 2150, 3318

\persian 3291, 3293

\PersianAlphs . . 3291, 3302, 4161,
4166, 4330

\persianday 5855

\PersianDisplayMathDigits 4047,
5497, 5503

\persianfont 2929, 3271, 3273

\PersianInlineMathDigits 4039,
5493, 5502

\PersianMathDigits . . 4031, 5501

\persianmathdigits . 5402, 5494,
5498, 5506, 5510

\persianmathsfdigits 5432, 5495,
5499, 5507, 5511

\persianmathhttdigits 5447, 5496,
5500, 5508, 5512

\persianmonth 5854

\persiansfdefault . . 3067, 3075,
3106, 3114

\persiansffamily 3073, 3074, 3091,
3107



`\persiantoday` 3305, 5849
`\persianttdefault` .. 3068, 3078,
3130, 3138
`\persianttfamily` 3076, 3077, 3092,
3131
`\persianyear` 5853
`\pictureCaptionFormat` 4553, 4555
`\plftitle` 1752
`\plq` 2860
`\plttitle` 1753
`\pookdefault` 3071, 3087, 3178, 3186
`\pookfamily` . 3085, 3086, 3095, 3179
`\postmath` 172
`\PrefixCurrentTab` 2714
`\premath` 168
`\prepnext@tok` 2002, 2012
`\prg` 5344, 5347, 5349
`\printindex` 4127, 4139, 4151
`\process@table` 5263
`\ProcessOptions` 4376, 5691
`\ProcessOptionsX` 4269
`\proofname` 3683
`\protect` .. 4782, 4783, 4785, 4814,
4815, 4817, 4848, 4849, 4851,
4868, 4869, 4871, 4889, 4890,
4892, 4988, 4989, 4991, 5574,
5577, 5579, 5582, 5600, 5605,
5606, 5607, 5609, 5610, 5611,
5631, 5632
`\protected@write` 4225, 4229
`\providecommand` 3907
`\ProvidesClass` 4332
`\ProvidesFile` 1, 4,
8, 14, 23, 38, 44, 50, 56, 62, 82,
91, 93, 104, 115, 123, 135, 175,
1128, 1188, 1205, 1216, 1259,
1270, 1276, 1288, 1292, 1299,
1458, 1466, 1480, 1484, 1529,
1536, 1615, 1618, 1657, 1737,
1750, 1760, 2130, 2557, 2564,
2571, 2579, 2587, 2616, 2650,
2680, 2698, 2705, 2725, 2736
`\ProvidesPackage` 2803, 5201, 5556,
5693
`\prq` 2859
`\ptctitle` 1751

Q

`\quad` 3645
`\question` 5679

`\questionsepspace` 5676, 5677, 5689
`\questionspace` .. 5583, 5584, 5625
`\questiontitle` 5671, 5690
`\questiontitlefont` 5673
`\questiontitlespace` . 5674, 5675,
5685

R

`\raggedFormat` .. 4394, 5042, 5116,
5162, 5187
`\RaggedLeft` 4394
`\raisebox` 4440, 4445
`\redeflatinfont` 3048
`\redefpersianfont` 3024
`\ref` 2795, 2797
`\refname` 92, 3672
`\refstepcounter` 5641, 5642
`\reftextafter` 2753
`\reftextbefore` 2761
`\reftextcurrent` 2769
`\reftextfaceafter` 2737
`\reftextfacebefore` 2745
`\reftextfaraway` 2777
`\reftextlabelrange` 2793
`\reftextpagerange` 2785
`\reftextvario` .. 2740, 2742, 2748,
2750, 2756, 2758, 2764, 2766,
2772, 2774
`\relax` 1578, 1658, 1850, 1882, 2017,
2018, 2039, 2040, 2041, 2102,
2112, 2136, 2142, 2186, 2216,
2244, 2251, 2257, 2284, 2291,
2302, 2457, 2596, 2630, 2660,
2708, 2863, 2881, 3248, 3249,
3253, 3254, 3367, 3412, 3416,
3599, 3608, 3617, 4015, 4026,
4034, 4042, 4050, 4057, 4065,
4072, 4079, 4085, 4097, 4103,
4109, 4113, 4117, 4123, 4136,
4148, 4160, 4202, 4209, 4216,
4223, 4232, 4233, 4238, 4244,
4248, 4277, 4281, 4287, 4288,
4289, 4313, 4315, 4376, 4595,
4616, 4617, 4622, 4623, 4624,
4625, 5206, 5220, 5230, 5246,
5279, 5281, 5292, 5300, 5308,
5316, 5324, 5393, 5484, 5519,
5523, 5723, 5724, 5726, 5731,
5736, 5737, 5743, 5745, 5747,
5749, 5750, 5751, 5752, 5753,



5754, 5755, 5756, 5757, 5758,
 5759, 5761, 5763, 5764, 5769,
 5770, 5777, 5779, 5782, 5786,
 5787, 5790, 5791, 5794, 5799,
 5801, 5803, 5805, 5806, 5807,
 5808, 5809, 5810, 5811, 5812,
 5813, 5814, 5815, 5816, 5818,
 5819, 5822, 5827, 5831, 5837,
 5839, 5840
 \renewcommand
 . 9, 16, 24, 30, 31, 34, 39, 40,
 45, 46, 51, 52, 57, 58, 86, 88,
 94, 95, 99, 105, 106, 110, 116,
 117, 124, 128, 129, 1271, 1272,
 1277, 1281, 1282, 1289, 1290,
 1291, 1293, 1294, 1300, 1301,
 1308, 1315, 1316, 1323, 1330,
 1331, 1338, 1345, 1346, 1353,
 1360, 1367, 1374, 1381, 1388,
 1395, 1402, 1409, 1416, 1423,
 1430, 1437, 1444, 1451, 1460,
 1462, 1464, 1531, 1738, 1740,
 1741, 1742, 1743, 2131, 2148,
 2159, 2558, 2559, 2565, 2566,
 2572, 2573, 2580, 2581, 2588,
 2589, 2595, 2617, 2621, 2622,
 2629, 2651, 2652, 2659, 2706,
 2726, 2727, 2728, 2729, 2730,
 2731, 2732, 2733, 2734, 2735,
 3327, 3641, 3647, 3956, 4127,
 4139, 4151, 4406, 4413, 4415,
 4417, 4424, 4431, 4432, 4433,
 4434, 4435, 4487, 4488, 4489,
 4500, 4501, 4502, 4593, 4698,
 4734, 4754, 5093, 5103, 5108,
 5572
 \RenewDocumentCommand 3027, 3051
 \renewenvironment . . . 1467, 5681
 \repeat 3362, 5824, 5833
 \RequirePackage 2805, 2806, 2807,
 2808, 4333, 4378, 4379, 4380,
 4381, 4382, 4383, 4385, 4387,
 4389, 4390, 4391, 4392, 4393,
 5558, 5559, 5560, 5561, 5562,
 5563
 \reserved@a 1814, 1818, 1824, 1830,
 1833, 1836, 1839, 1842, 1845,
 1848
 \reserved@b 1794, 1795
 \reset@font 2174, 2263, 3258, 3272,
 3307, 3321
 \resetlatinfont 84, 86, 1289, 1290,
 1460, 1462, 2690, 3243, 3279,
 3281, 3301, 3308, 3327, 3958
 \restore@mathversion 5263
 \restoreapp 36
 \rightfootnoterule 4090
 \rightline 5097
 \rl 1513, 3280, 3305
 \RLE 3280
 \rmdefault 2928, 2936, 3008
 \Roman 1196, 2603, 2637, 2667
 \roman 1195, 2604, 2638, 2668
 \romannumeral . . . 2612, 2646, 2676,
 5823, 5832, 5842
 \RTL 3291
 \RTLfoottextfont 1291
 \rule . . . 4457, 4583, 4685, 4691, 4778,
 4810

 S
 \sayehdefault . . . 3072, 3090, 3202,
 3210
 \sayehfamily 3088, 3089, 3096, 3203
 \scan 5346
 \scriptsize 3473, 3474, 4415
 \secondarticle . . . 4789, 4814, 4815,
 4817
 \secondSubtitleFormat 4529, 4531
 \secondTextFormat . . . 4533, 4536
 \secondTitleFormat . . 4520, 4525,
 4526
 \section 3659
 \sectionautorefname 1493
 \sectionname 11, 1533
 \select@group 5205
 \selectfont 2933, 2958, 3005, 3038,
 3062, 3075, 3078, 3081, 3084,
 3087, 3090, 3111, 3135, 3159,
 3183, 3207, 3231, 3261, 3275,
 3368
 \set@@mathdelimiter 5270
 \set@fontsize . . . 4276, 4280, 4312
 \set@mathaccent 5267
 \set@mathchar 5267
 \set@mathdelimiter 5269
 \set@mathsymbol 5268
 \setboolean 2715, 2716, 4343, 4345,
 4347, 4349, 4351, 4353, 4355,



4371, 4372, 4374, 4375, 4737,
 4755, 4900, 4925, 4954, 4976
`\setbox` 150, 1861, 1904, 2008, 2010,
 2011, 2101, 2104, 2111, 2114,
 2691, 2695, 3285, 3295
`\setclass` . 1583, 1593, 1594, 1595,
 1596, 1597, 1598, 1599, 1600
`\setcounter`
 . 27, 29, 33, 41, 42, 47, 48, 53,
 54, 59, 60, 100, 101, 111, 112,
 118, 119, 130, 131, 1273, 1274,
 1283, 1284, 1295, 1296, 1744,
 1745, 2560, 2561, 2567, 2568,
 2574, 2575, 2582, 2583, 2590,
 2591, 2623, 2624, 2653, 2654,
 2709, 2713, 2717, 2718, 2719,
 2720, 2721, 2722, 2723, 4615,
 5594
`\setdigitfont` 2985
`\SetDisplayMathDigits` 5488, 5497,
 5509, 5519, 5522
`\SetEnumerateShortLabel` . 1211,
 1212, 1213, 1214, 1215
`\setfontsize` 3411, 4017, 4019
`\SetInlineMathDigits` 5487, 5493,
 5505, 5518, 5523
`\setiraniconfont` 3218
`\setkeys` 141, 158
`\setlatinmonofont` 3017
`\setlatinsansfont` 3016
`\setlatintextfont` ... 2993, 4329
`\setlength` 1880, 1883, 1902, 3383,
 3385, 3389, 3391, 3397, 3399,
 3403, 3405, 3413, 3417, 3419,
 3427, 3437, 3438, 3444, 3454,
 3455, 3461, 3471, 3472, 3477,
 3478, 3483, 3484, 3489, 3490,
 3495, 3496, 3501, 3502, 3507,
 3508, 3514, 3579, 3621, 3622,
 3629, 3630, 3631, 3632, 3633,
 3634, 3635, 3636, 3637, 4341,
 4373, 4408, 4409, 4410, 4411,
 4419, 4420, 4421, 4422, 4426,
 4427, 4428, 4429, 4634, 4638,
 4679, 4680, 4697, 4702, 4703,
 4827, 4859, 4931, 4956, 4959,
 5007, 5008, 5056, 5057, 5123,
 5124, 5140, 5584, 5675, 5677
`\setLTRcitationfont` 84
`\SetMathAlphabet` 5266
`\SetMathAlphabet@` 5266
`\SetMathCharDef` 5280, 5414
`\SetMathCode` 5278, 5403, 5404, 5405,
 5406, 5407, 5408, 5409, 5410,
 5411, 5412, 5413, 5531, 5533,
 5544, 5546
`\setmathdigitfont` 5387
`\setmathsfdigitfont` 5422
`\setmathttdigitfont` 5437
`\setmonofont` 3017
`\setnavarfont` 3146
`\setpersianfont` .. 88, 1291, 1464,
 2694, 3265, 3280, 3291, 3302,
 3327
`\setpersianmonofont` 3122
`\setpersiansansfont` 3098
`\setpookfont` 3170
`\setsansfont` 3016
`\setsayehfont` 3194
`\SetSymbolFont` 5265
`\SetSymbolFont@` 5265
`\setttextdigitfont` 2944
`\setttextfont` 2920, 3963
`\setthesection` 1740
`\sf@size` 4299, 4301
`\sffamily` 4438
`\shadowbox` 5010, 5063
`\shadowsize` 5008, 5057, 5061
`\shortarticleitem` 5193
`\shortarticleItemTitleFormat` .
 4591, 4592
`\shortarticleSubtitleFormat` ..
 4589, 4590
`\shortarticleTitleFormat` 4587,
 4588
`\sixt@n` 1813, 1850
`\skip` 3623
`\slftitle` 1758
`\sltttitle` 1759
`\small` 3445, 3446, 3660, 4417, 4418,
 4472, 4476, 4482, 4553, 4575,
 4594
`\smash` 3663
`\SOUL@tt` ... 2681, 2683, 2691, 2695
`\SOUL@tt@latin` 2681, 2687
`\SOUL@tt@nonlatin` ... 2682, 2685
`\SOUL@ttwidth` 2692, 2696
`\space` 2176, 2265, 2803, 3324, 3914,
 4641, 4642, 4782, 4783, 4785,
 4814, 4815, 4817, 4848, 4849,



4851, 4868, 4869, 4871, 4889,
 4890, 4892, 4988, 4989, 4991,
 5098, 5615, 5850, 5851
 \SplitFootnoteRule 4092
 \ssf@size 4305, 4307
 \stctitle 1757
 \stepcounter . 26, 2711, 5590, 5603,
 5634
 \str .. 2936, 3008, 3114, 3138, 3162,
 3186, 3210, 3234
 \string . 67, 1939, 1973, 2062, 2431,
 3320, 4226, 4230, 4293, 4295,
 4299, 4301, 4305, 4307
 \strip@pt . 3247, 3252, 3367, 3415,
 4286
 \subparagraphautorefname . 1497
 \subsectionautorefname ... 1494
 \subsubsectionautorefname 1495
 \SwitchToDefaultMathDigits 5529
 \SwitchToPersianMathDigits 5542
 \symnew@mathbf@font@digits 5292
 \symnew@mathit@font@digits 5300
 \symnew@mathrm@font@digits 5308
 \symnew@mathsf@font@digits 5316
 \symnew@mathtt@font@digits 5324

T

\tableautorefname 1489
 \tablename 1345, 1362, 3666
 \tabularxcolumn 5572
 \tartibi .. 1192, 1206, 1211, 2600,
 2634, 2664, 3805
 \tartibinumeral 3811
 \test 1586, 1587, 1588
 \tex 5343, 5346
 \textbf 2, 3, 1469, 1471, 1473, 1475,
 4999, 5033, 5048, 5086
 \textblockorigin 4659
 \textdegree 4473
 \TextDigitFontOff 3375
 \TextDigitFontOn 3374, 3377
 \textfloatsep 3627, 3631
 \textheight 4666, 4691
 \texttiranica 3093
 \textit 4584
 \textnavar 3094
 \textpersiansf 3091
 \textpersiantt 3092
 \textpook 3095
 \textsayah 3096

\textsc 4586
 \textsf 3645
 \textsuperscript 2134
 \texttt 4443
 \textwidth 1907, 4665, 4685, 4997,
 5621
 \textwidthfootnoterule ... 4094
 \tf@size 4293, 4295
 \thanks 4596, 4616
 \the 137, 142, 1570, 1572, 1576, 1578,
 1884, 2382, 2387, 2393, 2400,
 2410, 2424, 2837, 3338, 3339,
 3340, 3343, 3344, 3345, 3349,
 3350, 3351, 3354, 3355, 3356,
 3418, 3430, 3431, 3432, 3433,
 3434, 3447, 3448, 3449, 3450,
 3451, 3464, 3465, 3466, 3467,
 3468, 3475, 3481, 3487, 3493,
 3499, 3505, 3511, 3525, 3526,
 3541, 3542, 3556, 3557, 3572,
 3573, 3587, 3589, 4641, 4642,
 5127, 5518, 5522, 5823, 5832,
 5842
 \the@choice 5593, 5615
 \thebook 1741
 \thechapter 20, 31,
 103, 114, 121, 133, 1286, 1298,
 1740, 1747, 2563, 2570, 2577,
 2585, 2626, 2656
 \theclass 1583, 1588
 \theHchapter 1506, 1523
 \theHsection 1505, 1521
 \thempfn 1909
 \thempfootnote 1909, 3955
 \theoremautorefname 1499
 \thepage .. 2176, 2193, 2223, 2265,
 3324, 4483
 \thepart 9, 16, 39, 45, 51, 57,
 94, 105, 116, 128, 1271, 1281,
 1293, 1531, 1742, 2558, 2565,
 2572, 2580, 2588, 2621, 2651
 \thequestion 5614, 5654, 5690
 \thesection .. 12, 34, 43, 49, 55, 61,
 1275, 1534, 2592
 \thirdarticle .. 4821, 4848, 4849,
 4851
 \thirdSubtitleFormat . 4548, 4550
 \thirdTextFormat 4551, 4552
 \thirdTitleFormat 4539, 4544, 4545
 \thispagestyle 4738, 4743



`\thr@@` 1577, 1936, 1955, 1956, 1970,
1991, 1992, 2018, 2030, 2031,
2059, 2086, 2087
`\tikz@finish` 2699
`\tikz@preactions` 2700, 2703
`\timestamp` . 4576, 4773, 4803, 4839
`\timestampFormat` 4575, 4577
`\timestampSeparator` .. 4574, 4579
`\timestampTxt` 4573, 4578
`\tiny` 3479, 3480, 4413
`\title` 4622
`\TitleBarFrame` . 1469, 1471, 1473,
1475
`\tl` 2892, 2893, 2894, 2901, 2907, 2908,
2909, 2916, 2928, 2937, 3009,
3016, 3017, 3106, 3115, 3130,
3139, 3154, 3163, 3178, 3187,
3202, 3211, 3226, 3235, 5257,
5274, 5332, 5415, 5416, 5417,
5432, 5447, 5534, 5535, 5536,
5537, 5538, 5539, 5547, 5548,
5549, 5550, 5551, 5552
`\tmp` 5568
`\today` 3303, 3305, 5094
`\topsep` 3517, 3525, 3533, 3541, 3548,
3556, 3563, 3572, 3577, 3587,
3590
`\TPHorizModule` . 4454, 4679, 4778,
4810, 4861, 4908, 4909, 4932,
4933, 4956
`\TPVertModule` 4680
`\true` 5643
`\truesymbol` 5637
`\ttdefault` 2980, 2981
`\tw@` .. 1569, 1831, 1834, 1916, 1922,
1923, 1925, 1935, 1945, 1946,
1969, 1979, 1980, 2017, 2023,
2024, 2029, 2058, 2068, 2069,
2277, 3338, 3339, 3340, 3343,
3344, 3345
`\twocolumnstableofcontents` 3656
`\typeout` 2836, 2838, 4627

U

`\Umathchardef` 5281
`\Umathcode` 5279
`\undefined` 1771, 5453, 5485, 5494,
5495, 5496, 5498, 5499, 5500,
5506, 5507, 5508, 5510, 5511,
5512

`\unhbox` 1893
`\unpenalty` 172
`\unskip` 169, 2047, 2048, 2049, 2134,
2197, 2228
`\unvbox` 1893
`\use` .. 2929, 2942, 2952, 2983, 3001,
3014, 3032, 3036, 3056, 3060,
3107, 3120, 3131, 3144, 3155,
3168, 3179, 3192, 3203, 3216,
3227, 3240, 5420, 5435, 5450
`\use@mathgroup` 5216
`\usebox` 4631
`\usecounter` 5627

V

`\value` 2708, 5597, 5613
`\vbox` . 1864, 1881, 1886, 1887, 1904,
2011, 2101, 2105, 2111, 2115,
5170, 5196
`\vcenter` 1890, 1891
`\verbatim@addtoline` . 2366, 2381,
2392, 2399, 2401, 2409, 2411,
2423, 2425
`\verbatim@finish` 2419
`\verbatim@processline` 2370, 2383,
2403
`\verbatim@startline` . 2359, 2371,
2384, 2404
`\version@elt` 5262
`\version@list` 5262
`\vfil` 4597, 4613
`\voidb@x` 150
`\vrb@catcodes` 2353
`\vskip` 4598, 4601, 4603, 4609
`\vspace` 4633, 4652, 4714, 4724, 4767,
4771, 4794, 4797, 4801, 4808,
4826, 4830, 4834, 4843, 4902,
4906, 4962, 4983, 5031, 5035,
5054, 5084, 5088, 5133, 5135,
5145, 5148, 5173, 5175, 5195,
5197, 5625, 5683, 5685
`\vss` 1893
`\vtop` 1888, 1889, 2010

W

`\wd` 2692, 2696
`\weatherFormat` 4468, 4470
`\weatheritem` 4874, 4889, 4890, 4892
`\weatherTempFormat` .. 4472, 4882
`\weatherUnits` 4473, 4884



<code>\whiledo</code>	5597	<code>\xepersian@computeautoilg</code>	3334,
<code>\width</code>	1477, 2462, 2463		4316
<code>\write</code>	3320, 4129, 4141, 4153	<code>\xepersian@cx</code> . . .	4662, 4667, 4684
<code>\writexviiiifalse</code>	2884	<code>\xepersian@cy</code> . . .	4663, 4668, 4690
<code>\writexviiiitru</code>	2882	<code>\XePersian@d</code>	5696, 5721, 5826, 5845,
			5847, 5850, 5855
X		<code>\xepersian@D</code>	1558, 1595, 1596, 1597,
<code>\X</code>	5567		1598, 1602, 1603, 1604, 1606,
<code>\x</code>	2866, 2871		1607, 2969, 2970
<code>\xdef</code> .	1507, 1525, 4293, 4295, 4299,	<code>\xepersian@dahgan</code>	3779, 3800, 3883
	4301, 4305, 4307, 5216, 5593,	<code>\xepersian@dahgan@tartibi</code>	3881,
	5598, 5622, 5623, 5644, 5645,		3889
	5648, 5649	<code>\XePersian@dn</code> . .	5716, 5815, 5823,
<code>\XePersian</code> .	1514, 3645, 3663, 4492		5826, 5829, 5833, 5845, 5847
<code>\xepersian</code>	2440, 2442	<code>\xepersian@dx</code> . .	4660, 4665, 4676,
<code>\xepersian@adadi</code> . . .	3721, 3746		4679
<code>\xepersian@adadi@tartibi</code>	3822,	<code>\xepersian@dy</code> . .	4661, 4666, 4677,
	3847		4680
<code>\xepersian@@baselineskip@scale</code>	3245, 3251, 3263, 3267, 3269,	<code>\xepersian@edition</code> .	4442, 4446,
	3277, 4194, 4281		4482, 4602, 4734
<code>\xepersian@@fontsize@branch</code> . .		<code>\xepersian@editionLogo</code> . .	4444,
	4011, 4186		4712, 4730
<code>\xepersian@@fontsize@scale</code>	3244,	<code>\xepersian@editorialTit</code> .	5139,
	3246, 3262, 3266, 3268, 3276,		5158
	4182, 4277, 4288	<code>\xepersian@editorialTitle</code>	4585,
<code>\xepersian@@latin@baselineskip@scale</code>			5144
	3253, 3263, 4198	<code>\xepersian@everyjob</code> . .	2837, 2838
<code>\xepersian@@latin@fontsize@scale</code>		<code>\xepersian@firstText</code> .	4517, 4773
	3248, 3262, 4190	<code>\xepersian@firstTitle</code>	4505, 4768
<code>\xepersian@@math@fontsize@scale</code>		<code>\xepersian@fmbox</code>	4628, 4630, 4631
	4178, 4286	<code>\xepersian@footcenter</code>	4494, 4501,
<code>\xepersian@@start@switch@textdigitfont</code>	2962, 2964, 2967, 2969, 2971,		4753
	2973, 2975, 2980, 4240	<code>\xepersian@footleft</code> .	4496, 4500,
<code>\xepersian@@stop@switch@textdigitfont</code>	2963, 2965, 2966, 2970, 2972,		4752
	2974, 2976, 2981	<code>\xepersian@footright</code>	4491, 4502,
<code>\xepersian@@update@math@fontsize</code>			4751
	4285, 4295, 4301, 4307	<code>\xepersian@frag</code>	4014, 4016, 4017,
<code>\xepersian@A</code>	1561, 1593, 1607, 1609,		4019
	2973, 2974	<code>\xepersian@gridcolumns</code> . .	4357,
<code>\xepersian@adadi</code>	3715, 3720		4359, 4398, 4402
<code>\xepersian@adadi@tartibi</code>	3816,	<code>\xepersian@gridrows</code> .	4356, 4358,
	3821		4398, 4402
<code>\xepersian@cmds@temp</code> .	2861, 2879	<code>\xepersian@headcenter</code>	4478, 4488,
<code>\xepersian@coltitsize</code>	4335, 5058,		4750
	5059, 5060, 5061, 5064, 5069,	<code>\xepersian@headDateTime</code> .	4464,
	5074, 5079		4718, 4732
		<code>\xepersian@headleft</code> .	4475, 4487,
			4749
		<code>\xepersian@headright</code>	4481, 4489,
			4748



\XePersian@i 5696, 5819, 5820, 5822,
5823, 5824, 5827, 5831, 5832,
5835, 5836, 5839, 5842, 5844
\XePersian@ilg . 3331, 3335, 3339,
3340, 3344, 3345, 3363
\XePersian@imgsize . 4334, 4635,
4636, 4638, 4647, 4648
\XePersian@incolumntitle 5045,
5064, 5069, 5074, 5079
\XePersian@indexEntry 4454, 4981
\XePersian@indexEntryPage 4460,
4981
\XePersian@indexFrameTitle 4450,
4957
\XePersian@indexwidth 4338, 4457,
4956, 4960, 4961
\XePersian@inexpandedtitle 4996,
5011, 5016, 5021, 5026
\XePersian@innerSubtitle 4572,
5112
\XePersian@innerTitle 4561, 5111
\XePersian@kabisehfalse . 5766,
5772
\XePersian@kabisehtrue . . . 5772
\XePersian@kashida . 1564, 1602,
1603, 1604, 1605, 1606, 1607,
1608
\XePersian@kashidachar . . 1556,
1570, 1572, 1574, 1576, 1578
\XePersian@L 1559, 1599, 1603, 1604,
1605, 1608, 1609, 2971, 2972
\XePersian@latini . . . 5697, 5743
\XePersian@latinii . 5698, 5745,
5747
\XePersian@latiniii . . 5699, 5749
\XePersian@latiniv . . 5700, 5750
\XePersian@latinix . . 5705, 5755
\XePersian@latinvi . . . 5701, 5751
\XePersian@latinvi . . 5702, 5752
\XePersian@latinvii . . 5703, 5753
\XePersian@latinviii . 5704, 5754
\XePersian@latinix . . . 5706, 5756
\XePersian@latinxi . . 5707, 5757
\XePersian@latinxii . . 5708, 5758
\XePersian@leapfalse 5728, 5732,
5738
\XePersian@leaptrue . . 5738, 5739
\XePersian@localize@verbatim@
2361, 2362, 2364, 2372, 2385,
2394, 2405, 2413, 2427
\XePersian@localize@verbatim@@
. 2364, 2365
\XePersian@localize@verbatim@@@
. 2367, 2368
\XePersian@localize@verbatim@@testend
. 2407, 2417
\XePersian@localize@verbatim@rescan
. 2421, 2430
\XePersian@localize@verbatim@start
. . 2358, 2433, 2434, 2445
\XePersian@localize@verbatim@test
. . . . 2376, 2378, 2379
\XePersian@localize@verbatim@testend
. 2390, 2397
\XePersian@lrm 1555, 1567
\XePersian@m 5696, 5721, 5817, 5836,
5839, 5851, 5854
\XePersian@milyoongan 3748, 3759
\XePersian@milyoongan@tartibi
. 3849, 3860
\XePersian@mminusone 5718, 5817,
5818, 5820, 5824
\XePersian@ncol 4689, 4690
\XePersian@ncolumns . 4339, 5040,
5041, 5108
\XePersian@nrow 4683, 4684
\XePersian@numberoutofrange . .
. . . . 3706, 3717, 3818
\XePersian@numberstring . 3703,
3711
\XePersian@numberstring@tartibi
. 3809, 3812
\XePersian@PackageInfo . . 5277,
5396
\XePersian@pageleft . 4337, 5124,
5125, 5127, 5129
\XePersian@pageneed . 4336, 4638,
4639, 4641, 4644, 5123, 5129
\XePersian@pages 4558, 4793, 4825,
5110
\XePersian@persian@month 5851,
5856
\XePersian@persiani . 5697, 5797,
5798, 5828, 5845
\XePersian@persianii . 5698, 5799
\XePersian@persianiii 5699, 5801,
5803
\XePersian@persianiv . 5700, 5805
\XePersian@persianix . 5705, 5810
\XePersian@persianv . . 5701, 5806



\XePersian@persianvi . 5702, 5807
\XePersian@persianvii 5703, 5808
\XePersian@persianviii .. 5704, 5809
\XePersian@persianx .. 5706, 5811
\XePersian@persianxi . 5707, 5812
\XePersian@persianxii 5708, 5813
\XePersian@persianxiii .. 5709, 5814
\xepersian@pictureCaption 4554, 4650, 4864
\xepersian@R 1560, 1594, 1606, 1608, 2975, 2976
\xepersian@sadgan .. 3752, 3757, 3761, 3765, 3770, 3853, 3866
\xepersian@sadgan@tartibi 3858, 3862, 3871
\xepersian@say . 4627, 5107, 5127, 5130, 5132, 5156, 5182
\xepersian@secondSubtitle 4530, 4799
\xepersian@secondText 4534, 4803
\xepersian@secondTitle .. 4521, 4795
\xepersian@section . 4474, 4479, 5103
\xepersian@setlength 3379, 3422, 3424, 3425, 3439, 3441, 3442, 3456, 3458, 3459, 3515, 3517, 3531, 3533, 3546, 3548, 3561, 3563, 3577, 3623, 3625, 3627, 3638
\xepersian@shellescape ... 2881
\xepersian@shortarticleItemTitle 4592, 5196
\xepersian@shortarticleSubtitle 4590, 5176
\xepersian@shortarticleTit 5168, 5183
\xepersian@shortarticleTitle 4588, 5172
\XePersian@sn .. 5717, 5816, 5828, 5829, 5832, 5833, 5842, 5847
\xepersian@strutilg . 3332, 3335, 3350, 3351, 3355, 3356, 3363, 3364, 3367, 4317, 4320
\xepersian@tartibi .. 3809, 3894
\xepersian@tcl . 3330, 3335, 3337, 3338, 3339, 3340, 3343, 3344, 3345, 3349, 3350, 3351, 3354, 3355, 3356, 3361, 3362
\XePersian@temp 5711, 5722, 5723, 5724, 5726, 5730, 5731, 5732, 5735, 5736, 5737, 5738, 5760, 5761, 5762, 5765, 5766, 5768, 5771, 5772, 5776, 5777, 5780, 5783, 5788, 5793, 5795, 5796, 5798
\xepersian@tempa 4025, 4033, 4041, 4049, 4056, 4064, 4071, 4078, 4084, 4096, 4102, 4108, 4112, 4116, 4122, 4135, 4147, 4159, 4201, 4208, 4215, 4222, 4237, 4247
\xepersian@tempb 4025, 4026, 4033, 4034, 4041, 4042, 4049, 4050, 4056, 4057, 4064, 4065, 4071, 4072, 4078, 4079, 4084, 4085, 4096, 4097, 4102, 4103, 4108, 4109, 4112, 4113, 4116, 4117, 4122, 4123, 4135, 4136, 4147, 4148, 4159, 4160, 4201, 4202, 4208, 4209, 4215, 4216, 4222, 4223, 4237, 4238, 4247, 4248
\XePersian@tempthree 5713, 5774, 5775, 5776, 5778, 5781, 5784, 5785, 5789, 5792, 5793, 5794, 5795
\XePersian@temptwo . 5712, 5762, 5763, 5764, 5765, 5768, 5769, 5770, 5771, 5778, 5779, 5780, 5781, 5782, 5783, 5785, 5786, 5787, 5788, 5789, 5790, 5791, 5792
\xepersian@textdigitfont 2954, 2980, 4241
\xepersian@thirdSubtitle 4549, 4832
\xepersian@thirdText . 4552, 4839
\xepersian@thirdTitle 4540, 4828
\XePersian@thirtytwo 5715, 5759, 5766
\xepersian@tmp 4013, 4014
\xepersian@V 1562, 1600
\xepersian@value 4016, 4019
\xepersian@version . 2801, 2803, 2820, 2840, 2842, 2848, 2854, 3648, 3652
\xepersian@weather .. 4469, 4904
\xepersian@www 4439, 4712



`\xepersian@wwwFormat` . 4438, 4440
`\XePersian@y` 5696, 5721, 5722, 5725,
5735, 5738, 5760, 5774, 5837,
5840, 5851, 5853
`\xepersian@yekani` . . 3752, 3780,
3784, 3791, 3794, 3853
`\xepersian@yekanii` . 3703, 3765,
3790, 3866
`\xepersian@yekaniiii` . 3761, 3793,
3862
`\xepersian@yekaniv` . 3772, 3796,
3873
`\xepersian@yekanv` . . . 3885, 3901
`\XePersian@yModHundred` . . 5714,
5725, 5726, 5727, 5730, 5734
`\xepersian@zwj` . . 1554, 1566, 1579
`\xepersiandate` . 2802, 2803, 2820,
3648
`\xepersianInit` 4395, 4696
`\xepersianversion` 2839
`\XeTeXcharclass` 1588
`\XeTeXcharglyph` 1570, 1572, 1576,
1578, 3338, 3339, 3340, 3343,
3344, 3345, 3349, 3350, 3351,
3354, 3355, 3356
`\XeTeXglyphbounds` . . 1569, 1571,
1575, 1577, 3338, 3339, 3340,
3343, 3344, 3345, 3349, 3350,
3351, 3354, 3355, 3356
`\XeTeXinterchartoks` . 1602, 1603,
1604, 1605, 1606, 1607, 1608,
1609, 2962, 2963, 2964, 2965,
2966, 2967, 2969, 2970, 2971,
2972, 2973, 2974, 2975, 2976
`\xpg@warning` . . . 3907, 3912, 3914

Y

`\y` 2867, 2869, 2871
`\year` 5721

Z

`\z` 2868, 2869
`\z@` . . 10, 18, 152, 153, 164, 166, 1532,
1809, 1909, 1913, 1918, 1919,
1927, 1937, 1941, 1942, 1947,
1961, 1971, 1975, 1976, 1981,
1997, 2019, 2020, 2031, 2049,
2060, 2064, 2065, 2078, 2092,
2279, 2325, 2327, 2336, 2460,
2461, 2468, 2469, 2691, 2692,
2695, 2696, 2964, 2965, 3285,
3286, 3295, 3296, 3335, 3338,
3343, 3349, 3354, 3380, 3381,
3382, 3388, 3395, 3396, 3402,
3424, 3441, 3458, 3579, 3588,
3632, 3747, 3749, 3751, 3755,
3771, 3774, 3780, 3848, 3850,
3852, 3856, 3872, 3875, 3885,
3914, 3936, 3940, 3944, 3947,
4012, 5772
`\ziffer@check` 5459, 5460
`\ziffer@dcheck` 5458, 5459
`\ziffer@DotOri` 5456, 5459
`\ZifferAn` 5454, 5457
`\ZifferLeer` 5459, 5485, 5527, 5534,
5547

☒

`\` 1119, 1749, 2345
`\` 1773, 1775, 1778, 1785
`\` 1778
`\` . . 1763, 1770, 1771, 1774, 1775,
1783, 1785
`\` 1768, 1769, 1773, 1780
`\` 1761, 1767, 1768, 1773, 1778, 1779
`\` . . 1120, 1121, 1122, 1123, 1124,
1125, 1126, 1127, 1771
`\` . 1773, 1774, 1779, 1780, 1782,
1783
`\` 1773, 1778
`\` 1773, 1774, 1779, 1783
`\` 1768, 1769
`\` 1773, 1775, 1780, 1785
@ `\` 1762, 1766

☒

@ `\` 2470, 2471, 2472, 2473, 2474,
2475, 2476, 2477, 2478, 2479,
2480, 2481, 2482, 2483, 2484,
2485, 2486, 2487, 2488, 2489,
2490, 2491
@ `\` 1762
`\` 1768
`\` 1762, 1766
`\` 2124, 2432
`\` 2346
`\` 1769, 2121, 2122

☒

`\` 1761



\	1764
\	1763, 1765

