



The XePersian *Package*

Source documentation for [version 24.0](#)

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/kvafa/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/kvafa/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 24.0](#)

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Contents

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

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37	File loadingorder-xepersian.def	34	51	File report-xepersian.def	53
38	File localise-xepersian.def	35	52	File scrartcl-xepersian.def	53
39	File memoir-xepersian.def	36	53	File scrbook-xepersian.def	54
40	File latex-localise-messages-xepersian.def	37	54	File scrreprt-xepersian.def	55
41	File minitoc-xepersian.def	37	55	File soul-xepersian.def	56
42	File latex-localise-misc-xepersian.def	37	56	File tkz-linknodes-xepersian.def	56
43	File natbib-xepersian.def	44	57	File tocloft-xepersian.def	57
44	File packages-localise-xepersian.def	48	58	File varioref-xepersian.def	57
45	File url-xepersian.def	51	59	File xepersian.sty	58
46	File persian-tex-text.map	51	60	File xepersian-magazine.cls	87
47	File persian-tex-text-nonnumbers.map	52	61	File xepersian-mathdigitsspec.sty	103
48	File rapport1-xepersian.def	52	62	File xepersian-multiplechoice.sty	109
49	File rapport3-xepersian.def	52	63	File xepersian-persiancal.sty	112
50	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{      }{belowdisplaysshortskip}
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{      }{dblftntlocatecode}
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{ }{fancypage}
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{      }{pagefilllstretch}
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{      }{qqquad}
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{ @}{sist@@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{ }{snglftllocatecode}
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{@ }{@tempswatruel}
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{ }{thinlines}
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{ }{vfilneg}
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{ }{\setttextfont}
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}

```

21 File enumerate-xepersian.def

```

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}

```

22 File enumitem-xepersian.def

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 localise]
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*{\Freftabname}{\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*{\frefseenname}{%
1424   \if@RTL
1425     \Frefseenname
1426   \else
1427     \MakeLowercase{\Frefseenname}%
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 `imsproc-xepersian.def`

```

1529 \ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc 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\fo@ur
1572     \the\XeTeXcharglyph\xepersian@kashidachar
1573     \hskip0pt plus 0.5em
1574 %   \dimexpr \fontcharwd\font\xepersian@kashidachar -
1575 %   \XeTeXglyphbounds\@ne
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`\=11\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\plttitle{\if@RTL else\ List of Tables\fi}%
1754 \def\mtctitle{\if@RTL else\ Contents\fi}%
1755 \def\mlftitle{\if@RTL else\ Figures\fi}%
1756 \def\mlttitle{\if@RTL else\ Tables\fi}%
1757 \def\stctitle{\if@RTL else\ Contents\fi}%
1758 \def\slftitle{\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 \@captype {#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 \let\@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\ vcenter
1891     \else\@pboxswtrue $\vcenter
1892     \fi\fi\fi\fi\fi
1893     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1894         \csname bm@#3\endcsname}%
1895     \if@pboxsw \m@th$\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     \if@RTL\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 @z\ \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 \ifadl@usingarypkg
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 \if@RTLtab r\else l\fi\@ne \else
1978 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1979 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1980 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \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 \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\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or

```



```

2011 \setbox\adl@box\vbox \@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}%
2063 \@chnum
2064 \if \@nextchar c\z@ \else

```



[illegible]

```

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@activestrue
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 \ifNAT@swa\else
2327 \@ifnum{\NAT@ctype=\z@}{%
2328 \if*#2*\else\NAT@cmt#2\fi
2329 }{%
2330 \NAT@mbbox{\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\@currenenvir
2419     \verbatim@finish
2420     \edef\next{\noexpand\end{\@currenenvir}%
2421         \noexpand\xepersian@localize@verbatim@rescan{\@currenenvir}}%
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 \@namedef{
2436     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2437 \def\end
2438     {\endtrivlist\endgroup\@doendpe}
2439 \expandafter\let\csname end
2440     *\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}}
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 url-xepersian.def

```

2493 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2494 \begingroup
2495 \lccode`+=`\% \lccode`\~=`\%
2496 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2497 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2498 \endgroup%

```

46 File persian-tex-text.map

```

2499 LHSName "persian-TeX-text"
2500 RHSName "Unicode"
2501
2502 pass(Unicode)
2503 U+0030 <> U+06F0 ;
2504 U+0031 <> U+06F1 ;
2505 U+0032 <> U+06F2 ;
2506 U+0033 <> U+06F3 ;
2507 U+0034 <> U+06F4 ;
2508 U+0035 <> U+06F5 ;
2509 U+0036 <> U+06F6 ;
2510 U+0037 <> U+06F7 ;
2511 U+0038 <> U+06F8 ;
2512 U+0039 <> U+06F9 ;
2513
2514
2515 U+002C <> U+060C ; comma > arabic comma
2516 U+003F <> U+061F ; question mark -> arabic qm
2517 U+003B <> U+061B ; semicolon -> arabic semicolon
2518
2519 ; ligatures from Knuth's original CMR fonts
2520 U+002D U+002D <> U+2013 ; -- -> en dash
2521 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2522
2523 U+0027 <> U+2019 ; ' -> right single quote
2524 U+0027 U+0027 <> U+201D ; '' -> right double quote
2525 U+0022 > U+201D ; " -> right double quote
2526
2527 U+0060 <> U+2018 ; ` -> left single quote
2528 U+0060 U+0060 <> U+201C ; `` -> left double quote
2529
2530 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2531 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2532
2533 ; additions supported in T1 encoding
2534 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2535 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2536 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```



47 File persian-tex-text-nonnumbers.map

```
2537 LHSName "persian-TeX-text-nonnumbers"
2538 RHSName "Unicode"
2539
2540 pass(Unicode)
2541 U+002C <> U+060C ; comma > arabic comma
2542 U+003F <> U+061F ; question mark -> arabic qm
2543 U+003B <> U+061B ; semicolon -> arabic semicolon
2544
2545 ; ligatures from Knuth's original CMR fonts
2546 U+002D U+002D <> U+2013 ; -- -> en dash
2547 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2548
2549 U+0027 <> U+2019 ; ' -> right single quote
2550 U+0027 U+0027 <> U+201D ; '' -> right double quote
2551 U+0022 > U+201D ; " -> right double quote
2552
2553 U+0060 <> U+2018 ; ` -> left single quote
2554 U+0060 U+0060 <> U+201C ; `` -> left double quote
2555
2556 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2557 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2558
2559 ; additions supported in T1 encoding
2560 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2561 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2562 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

48 File rapport1-xepersian.def

```
2563 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2564 \renewcommand*\thepart{\@tartibi\c@part}
2565 \renewcommand*\appendix{\par
2566   \setcounter{chapter}{0}%
2567   \setcounter{section}{0}%
2568   \gdef\@chapapp{\appendixname}%
2569   \gdef\thechapter{\@harfi\c@chapter}}
```

49 File rapport3-xepersian.def

```
2570 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2571 \renewcommand*\thepart{\@tartibi\c@part}
2572 \renewcommand*\appendix{\par
2573   \setcounter{chapter}{0}%
2574   \setcounter{section}{0}%
2575   \gdef\@chapapp{\appendixname}%
2576   \gdef\thechapter{\@harfi\c@chapter}}
```

50 File refrep-xepersian.def

```
2577 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2578 \renewcommand \thepart {\@tartibi\c@part}
2579 \renewcommand\appendix{\par
```



```

2580 \setcounter{chapter}{0}%
2581 \setcounter{section}{0}%
2582 \gdef\@chapapp{\appendixname}%
2583 \gdef\thechapter{\@harfi\c@chapter}
2584 }%end appendix

```

51 File report-xepersian.def

```

2585 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2586 \renewcommand \thepart {\@tartibi\c@part}
2587 \renewcommand\appendix{\par
2588 \setcounter{chapter}{0}%
2589 \setcounter{section}{0}%
2590 \gdef\@chapapp{\appendixname}%
2591 \gdef\thechapter{\@harfi\c@chapter}
2592 }%end appendix

```

52 File scrartcl-xepersian.def

```

2593 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2594 \renewcommand*{\thepart}{\@tartibi\c@part}
2595 \renewcommand*\appendix{%
2596 \Ifstr{\@currenvir}{appendix}{%
2597 \ClassWarning{\KOMAClassName}{%
2598 You are using
2599 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2600 You should note, that \string\appendix' is a mostly
2601 globally\MessageBreak
2602 working command not an enviroment with only local\MessageBreak
2603 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2604 switch back to normal section numbering nor finish\MessageBreak
2605 every other effect of \string\begin{appendix}'.\MessageBreak
2606 Nevertheless, some effects may end with\MessageBreak
2607 \string\end{appendix}' and the document may become\MessageBreak
2608 inconsistent.\MessageBreak
2609 Because of this, you should remove \string\end{appendix}'.\MessageBreak
2610 and replace \string\begin{appendix}' by command\MessageBreak
2611 \string\appendix'%
2612 }%
2613 }{}%
2614 \par
2615 \setcounter{section}{0}%
2616 \setcounter{subsection}{0}%
2617 \gdef\thesection{\@harfi\c@section}%
2618 }
2619 \IfLTXAtLeastTF{2020/10/01}{%
2620 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2621 }{}
2622 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2623 \renewcommand*{\@maybeautodot}[1]{%
2624 \ifx #1\@stop\let\@maybeautodot\relax
2625 \else
2626 \ifx #1\harfi \@autodottrue\fi
2627 \ifx #1\adadi \@autodottrue\fi

```



```

2628 \ifx #1\tartibi \@autodottrue\fi
2629 \ifx #1\Alph \@autodottrue\fi
2630 \ifx #1\alph \@autodottrue\fi
2631 \ifx #1\Roman \@autodottrue\fi
2632 \ifx #1\roman \@autodottrue\fi
2633 \ifx #1\@harfi \@autodottrue\fi
2634 \ifx #1\@adadi \@autodottrue\fi
2635 \ifx #1\@tartibi \@autodottrue\fi
2636 \ifx #1\@Alph \@autodottrue\fi
2637 \ifx #1\@alph \@autodottrue\fi
2638 \ifx #1\@Roman \@autodottrue\fi
2639 \ifx #1\@roman \@autodottrue\fi
2640 \ifx #1\romannumeral \@autodottrue\fi
2641 \fi
2642 \@maybeautodot
2643 }

```

53 File scrbook-xepersian.def

```

2644 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2645 \renewcommand*\frontmatter{%
2646 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2647 \@mainmatterfalse\pagenumbering\harfi}%
2648 }
2649 \renewcommand*\thechapter{\@tartibi\c@chapter}
2650 \renewcommand*\appendix{%
2651 \Ifstr{\@currenvir}{appendix}{%
2652 \ClassWarning{\KOMAClassName}{%
2653 You are using
2654 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2655 You should note, that \string\appendix' is a mostly
2656 globally\MessageBreak
2657 working command not an environment with only local\MessageBreak
2658 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2659 switch back to normal section numbering nor finish\MessageBreak
2660 every other effect of \string\begin{appendix}'.\MessageBreak
2661 Nevertheless, some effects may end with\MessageBreak
2662 \string\end{appendix}' and the document may become\MessageBreak
2663 inconsistent.\MessageBreak
2664 Because of this, you should remove \string\end{appendix}'.\MessageBreak
2665 and replace \string\begin{appendix}' by command\MessageBreak
2666 \string\appendix'%
2667 }%
2668 }{}%
2669 \par
2670 \setcounter{chapter}{0}%
2671 \setcounter{section}{0}%
2672 \gdef\@chapapp{\appendixname}%
2673 \gdef\thechapter{\@harfi\c@chapter}%
2674 }
2675 \IfLTXAtLeastTF{2020/10/01}{%
2676 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2677 }{}
2678 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}

```



```

2679 \renewcommand*{\@maybeautodot}[1]{%
2680   \ifx #1\@stop\let\@maybeautodot\relax
2681   \else
2682     \ifx #1\harfi \@autodottrue\fi
2683     \ifx #1\adadi \@autodottrue\fi
2684     \ifx #1\tartibi \@autodottrue\fi
2685     \ifx #1\Alph \@autodottrue\fi
2686     \ifx #1\alph \@autodottrue\fi
2687     \ifx #1\Roman \@autodottrue\fi
2688     \ifx #1\roman \@autodottrue\fi
2689     \ifx #1\@harfi \@autodottrue\fi
2690     \ifx #1\@adadi \@autodottrue\fi
2691     \ifx #1\@tartibi \@autodottrue\fi
2692     \ifx #1\@Alph \@autodottrue\fi
2693     \ifx #1\@alph \@autodottrue\fi
2694     \ifx #1\@Roman \@autodottrue\fi
2695     \ifx #1\@roman \@autodottrue\fi
2696     \ifx #1\romannumeral \@autodottrue\fi
2697   \fi
2698   \@maybeautodot
2699 }

```

54 File scrreprt-xepersian.def

```

2700 \ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
2701 \renewcommand*{\thepart}{\@tartibi\c@part}
2702 \renewcommand*{\appendix}{%
2703   \Ifstr{\@currenvir}{appendix}{%
2704     \ClassWarning{\KOMAClassName}{%
2705       You are using
2706       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2707       You should note, that \string\appendix' is a mostly
2708       globally\MessageBreak
2709       working command not an enviroment with only local\MessageBreak
2710       effects. Therefore \string\end{appendix}' will neither\MessageBreak
2711       switch back to normal section numbering nor finish\MessageBreak
2712       every other effect of \string\begin{appendix}'.\MessageBreak
2713       Nevertheless, some effects may end with\MessageBreak
2714       \string\end{appendix}' and the document may become\MessageBreak
2715       inconsistent.\MessageBreak
2716       Because of this, you should remove \string\end{appendix}'.\MessageBreak
2717       and replace \string\begin{appendix}' by command\MessageBreak
2718       \string\appendix'%
2719     }%
2720   }{}%
2721   \par
2722   \setcounter{chapter}{0}%
2723   \setcounter{section}{0}%
2724   \gdef\@chapapp{\appendixname}%
2725   \gdef\thechapter{\@harfi\c@chapter}%
2726 }
2727 \IfLTXAtLeastTF{2020/10/01}{%
2728   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2729 }{}

```




```

2730 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2731 \renewcommand*{\@@maybeautodot}[1]{%
2732   \ifx #1\@stop\let\@@maybeautodot\relax
2733   \else
2734     \ifx #1\harfi \@autodottrue\fi
2735     \ifx #1\adadi \@autodottrue\fi
2736     \ifx #1\tartibi \@autodottrue\fi
2737     \ifx #1\Alph \@autodottrue\fi
2738     \ifx #1\alph \@autodottrue\fi
2739     \ifx #1\Roman \@autodottrue\fi
2740     \ifx #1\roman \@autodottrue\fi
2741     \ifx #1\@harfi \@autodottrue\fi
2742     \ifx #1\@adadi \@autodottrue\fi
2743     \ifx #1\@tartibi \@autodottrue\fi
2744     \ifx #1\@Alph \@autodottrue\fi
2745     \ifx #1\@alph \@autodottrue\fi
2746     \ifx #1\@Roman \@autodottrue\fi
2747     \ifx #1\@roman \@autodottrue\fi
2748     \ifx #1\romannumeral \@autodottrue\fi
2749   \fi
2750   \@@maybeautodot
2751 }

```

55 File soul-xepersian.def

```

2752 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2753 \let\SOUL@tt@latin\SOUL@tt
2754 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2755 \def\SOUL@tt{%
2756   \if@nonlatin
2757     \SOUL@tt@nonlatin
2758   \else
2759     \SOUL@tt@latin
2760   \fi
2761 }
2762 \bidi@appto\resetlatinfont{%
2763   \setbox\z@\hbox{\SOUL@tt-}%
2764   \SOUL@ttwidth\wd\z@
2765 }
2766 \bidi@appto\setpersianfont{%
2767   \setbox\z@\hbox{\SOUL@tt-}%
2768   \SOUL@ttwidth\wd\z@
2769 }

```

56 File tkz-linknodes-xepersian.def

```

2770 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2771 \renewcommand*{\@SetTab}{%
2772   \let\@alph\@latinalph%
2773   \ifnum \value{C@NumTab}>25\relax%
2774     \setcounter{C@NumTab}{1}%
2775   \else%
2776     \stepcounter{C@NumTab}%
2777   \fi%

```



```

2778 \setcounter{C@NumGroup}{0}%
2779 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2780 \setboolean{B@FirstLink}{true}
2781 \setboolean{B@NewGroup}{false}
2782 \setcounter{C@NumGroup}{0}
2783 \setcounter{C@CurrentGroup}{0}
2784 \setcounter{NumC@Node}{0}
2785 \setcounter{NumC@stop}{0}
2786 \setcounter{C@NextNode}{0}
2787 \setcounter{C@CurrentStop}{0}
2788 \setcounter{C@CurrentNode}{0}
2789 }%

```

57 File tocloft-xepersian.def

```

2790 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2791 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2792 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2793 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2794 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2795 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2796 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2797 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2798 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2799 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2800 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

58 File varioref-xepersian.def

```

2801 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2802 \def\reftextfaceafter{%
2803 \if@RTL
2804
2805 \reftextvario{ }{ }%
2806 \else
2807 on the \reftextvario{facing}{next} page%
2808 \fi
2809 }
2810 \def\reftextfacebefore{%
2811 \if@RTL
2812
2813 \reftextvario{ }{ }%
2814 \else
2815 on the \reftextvario{facing}{preceding} page%
2816 \fi
2817 }
2818 \def\reftextafter{%
2819 \if@RTL
2820
2821 \reftextvario{ }{ }%
2822 \else
2823 on the \reftextvario{following}{next} page%
2824 \fi
2825 }

```



```

2826 \def\reftextbefore{%
2827   \if@RTL
2828
2829 \reftextvario{ }{ }%
2830   \else
2831     on the \reftextvario{preceding}{previous} page%
2832   \fi
2833 }
2834 \def\reftextcurrent{%
2835   \if@RTL
2836
2837 \reftextvario{   }{   }%
2838   \else
2839     on \reftextvario{this}{the current} page%
2840   \fi
2841 }
2842 \def\reftextfaraway#1{%
2843   \if@RTL
2844   %
2845 ~\pageref{#1}%
2846   \else
2847     on page~\pageref{#1}%
2848   \fi
2849 }
2850 \def\reftextpagerange#1#2{%
2851   \if@RTL
2852   %
2853 ~\pageref{#1}--\pageref{#2}%
2854   \else
2855     on pages~\pageref{#1}--\pageref{#2}%
2856   \fi
2857 }
2858 \def\reftextlabelrange#1#2{%
2859   \if@RTL
2860     \ref{#1} %ref{#2}\~
2861   \else
2862     \ref{#1} to~\ref{#2}%
2863   \fi
2864 }

```

59 File xepersian.sty

```

2865 \NeedsTeXFormat{LaTeX2e}
2866 \def\xepersian@version{24.0}
2867 \def\xepersiandate{2022/05/22}
2868 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2869 Persian typesetting in XeLaTeX]
2870 \RequirePackage{fontspec}
2871 \RequirePackage{xepersian-persiancal}
2872 \RequirePackage{xepersian-mathdigit-spec}
2873 \RequirePackage{bidi}
2874 \edef\xepersian@info{*****~^J%
2875 * ~^J%
2876 * xepersian package (Persian for LaTeX, using XeTeX engine)~^J%

```



```

2877 * ^^J%
2878 * Description: The package supports Persian^^J%
2879 * typesetting, using fonts provided in the^^J%
2880 * distribution.^^J%
2881 * ^^J%
2882 * Copyright (c) 2008--2022 Vafa Khalighi^^J%
2883 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
2884 * ^^J%
2885 * v\xepersian@version, \xepersiandate^^J%
2886 * ^^J%
2887 * License: LaTeX Project Public License, version^^J%
2888 * 1.3c or higher (your choice)^^J%
2889 * ^^J%
2890 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2891 * ^^J%
2892 * Issue tracker: https://github.com/kvafa/xepersian/issues^^J%
2893 * ^^J%
2894 * Discussions: https://github.com/kvafa/xepersian/discussions^^J%
2895 * ^^J%
2896 * Primary author of xepersian package: Vafa Khalighi.^^J%
2897 * ^^J%
2898 *****}
2899 \typeout{\@xepersian@info}
2900 \edef\xepersian@everyjob{\the\everyjob}
2901 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2902 \newcommand*\xepersianversion{
2903   {\ensuremath\xepersian@version}
2904 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2905   \ifdim\xepersian@version pt > #1 pt %
2906     \expandafter\@firstoftwo
2907   \else
2908     \expandafter\@secondoftwo
2909   \fi}
2910 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2911   \ifdim\xepersian@version pt < #1 pt %
2912     \expandafter\@firstoftwo
2913   \else
2914     \expandafter\@secondoftwo
2915   \fi}
2916 \newcommand*\IfxepersianPackageVersion}[1]{%
2917   \ifdim\xepersian@version pt = #1 pt %
2918     \expandafter\@firstoftwo
2919   \else
2920     \expandafter\@secondoftwo
2921   \fi}
2922 \def\prq{«}
2923 \def\plq{»}
2924 \def\xepersian@cmds@temp#1{%
2925   \begingroup\expandafter\expandafter\expandafter\endgroup
2926   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2927     \begingroup
2928       \escapechar=-1 %
2929       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2930       \def\y{#1}%

```



```

2931     \def\z##1->{%
2932     \edef\y{\expandafter\z\meaning\y}%
2933     \expandafter\endgroup
2934     \ifx\x\y
2935     \expandafter\def\csname xepersian@#1\expandafter\endcsname
2936     \expandafter{%
2937     \csname#1\endcsname
2938     }%
2939     \fi
2940     \fi
2941 }%
2942 \xepersian@cmds@temp{shellescape}
2943 \newif\ifwritexviii
2944 \ifnum\xepersian@shellescape=1\relax
2945     \writexviii>true
2946 \else
2947     \writexviii>false
2948 \fi
2949 \newfontscript{Persian}{arab}
2950 \newfontlanguage{Persian}{FAR}
2951 \ExplSyntaxOn
2952
2953 \keys_define:nn {fontspec-opentype}
2954 {
2955     Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
2956     Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2957     Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2958 }
2959
2960 \keys_define:nn {fontspec-aat}
2961 {
2962     Ligatures / PersianTeX .code:n =
2963     {
2964         \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
2965     }
2966 }
2967
2968 \keys_define:nn {fontspec-opentype}
2969 {
2970     Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
2971     Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2972     Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2973 }
2974
2975 \keys_define:nn {fontspec-aat}
2976 {
2977     Ligatures / PersianTeXNoNumbers .code:n =
2978     {
2979         \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
2980     }
2981 }
2982
2983 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2984 {

```



```

2985 \__xepersian_main_settextfont:nn {#1,#3} {#2}
2986 \ignorespaces
2987 }
2988 \cs_new:Nn \__xepersian_main_settextfont:nn
2989 {
2990 \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {RawFeature={script=arab},Ligatures=PersianTeX}
2991 \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
2992 \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2993 {
2994 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2995 \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
2996 \exp_not:N \selectfont
2997 }
2998 }
2999 \str_if_eq:eeT {\familydefault} {\rmdefault}
3000 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3001 \__xepersian_settextfont_hook:nn {#1} {#2}
3002 \normalfont
3003 }
3004
3005 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3006
3007 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3008 {
3009 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3010 \ignorespaces
3011 }
3012 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3013 {
3014 \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3015 \use:x
3016 {
3017 \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3018 {
3019 \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
3020 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3021 \exp_not:N \selectfont
3022 }
3023 }
3024 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3025 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3026 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3027 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3028 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3029 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3030 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3031 \if@bidi@csundef{xepersian@D}{\%
3032 \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3033 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3034 \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3035 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3036 \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3037 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3038 \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}

```



```

3039 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@text
3040 }
3041 }
3042
3043 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3044 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3045
3046 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3047
3048 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3049 {
3050 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3051 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3052 \ignorespaces
3053 }
3054
3055
3056 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3057 {
3058 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3059 \ignorespaces
3060 }
3061 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3062 {
3063 \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3064 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3065 {
3066 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3067 \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
3068 \exp_not:N \selectfont
3069 }
3070 }
3071 \str_if_eq:eeT {\familydefault} {\rmdefault}
3072 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3073 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3074 \normalfont
3075 }
3076
3077 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3078
3079 \tl_set_eq:NN \setlatinsansfont \setsansfont
3080 \tl_set_eq:NN \setlatinmonofont \setmonofont
3081
3082 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
3083 {
3084 \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3085 \NewDocumentCommand
3086 }
3087 \DeclareDocumentCommand \redefpersianfont { m 0{} m 0{} }
3088 {
3089 \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3090 \RenewDocumentCommand
3091 }
3092 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN

```



```

3093 {
3094   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {RawFeature={script=a
3095   \use:x
3096   {
3097     \exp_not:N #4 \exp_not:N #1 {}
3098     {
3099       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3100       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3101       \exp_not:N \selectfont
3102     }
3103   }
3104 }
3105
3106 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3107 {
3108   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3109   \NewDocumentCommand
3110 }
3111 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3112 {
3113   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3114   \RenewDocumentCommand
3115 }
3116 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3117 {
3118   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3119   \use:x
3120   {
3121     \exp_not:N #4 \exp_not:N #1 {}
3122     {
3123       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3124       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3125       \exp_not:N \selectfont
3126     }
3127   }
3128 }
3129
3130 \newcommand\persiansfdefault{}
3131 \newcommand\persianttdefault{}
3132 \newcommand\iranicsfdefault{}
3133 \newcommand\navarsfdefault{}
3134 \newcommand\pookdefault{}
3135 \newcommand\sayehdefault{}
3136 \DeclareRobustCommand\persiansffamily
3137   {\not@math@alphabet\persiansffamily\mathpersiansf
3138   \fontfamily\persiansfdefault\selectfont}
3139 \DeclareRobustCommand\persianttfamily
3140   {\not@math@alphabet\persianttfamily\mathpersiantt
3141   \fontfamily\persianttdefault\selectfont}
3142 \DeclareRobustCommand\iranicsfamily
3143   {\not@math@alphabet\iranicsfamily\mathiranics
3144   \fontfamily\iranicsfdefault\selectfont}
3145 \DeclareRobustCommand\navarsfamily
3146   {\not@math@alphabet\navarsfamily\mathnavar

```




```

3147         \fontfamily\navardefault\selectfont}
3148 \DeclareRobustCommand\pookfamily
3149     {\not@math@alphabet\pookfamily\mathpook
3150      \fontfamily\pookdefault\selectfont}
3151 \DeclareRobustCommand\sayehfamily
3152     {\not@math@alphabet\sayehfamily\mathsayeh
3153      \fontfamily\sayehdefault\selectfont}
3154 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3155 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3156 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3157 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3158 \DeclareTextFontCommand{\textpook}{\pookfamily}
3159 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3160
3161 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3162 {
3163     \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3164     \ignorespaces
3165 }
3166 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3167 {
3168     \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {RawFeature={script=arab}}
3169     \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3170     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3171             {
3172                 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3173                 \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3174                 \exp_not:N \selectfont
3175             }
3176     }
3177     \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3178     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3179     \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3180     \normalfont
3181 }
3182
3183 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3184
3185 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3186 {
3187     \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3188     \ignorespaces
3189 }
3190 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3191 {
3192     \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {RawFeature={script=arab}}
3193     \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
3194     \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3195             {
3196                 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3197                 \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3198                 \exp_not:N \selectfont
3199             }
3200     }

```



```

3201 \str_if_eq:eeT {\familydefault} {\persianttdefault}
3202 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3203 \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3204 \normalfont
3205 }
3206
3207 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3208
3209 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3210 {
3211   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3212   \ignorespaces
3213 }
3214 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3215 {
3216   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {RawFeature={script=arab},Ligatures={all}}
3217   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3218   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3219     {
3220       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3221       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3222       \exp_not:N \selectfont
3223     }
3224   }
3225   \str_if_eq:eeT {\familydefault} {\navardefault}
3226   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3227   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3228   \normalfont
3229 }
3230
3231 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3232
3233 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3234 {
3235   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3236   \ignorespaces
3237 }
3238 \cs_new:Nn \__xepersian_main_setpookfont:nn
3239 {
3240   \fontspec_set_family:Nnn \l__xepersian_pookfamilly_family_tl {RawFeature={script=arab},Ligatures={all}}
3241   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamilly_family_tl
3242   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamilly }
3243     {
3244       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3245       \exp_not:N \fontfamily { \l__xepersian_pookfamilly_family_tl }
3246       \exp_not:N \selectfont
3247     }
3248   }
3249   \str_if_eq:eeT {\familydefault} {\pookdefault}
3250   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3251   \__xepersian_setpookfont_hook:nn {#1} {#2}
3252   \normalfont
3253 }
3254

```



```

3255 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3256
3257 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3258 {
3259   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3260   \ignorespaces
3261 }
3262 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3263 {
3264   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3265   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3266   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3267     {
3268       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3269       \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3270       \exp_not:N \selectfont
3271     }
3272   }
3273   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3274     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3275   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3276   \normalfont
3277 }
3278
3279 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3280
3281 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3282 {
3283   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3284   \ignorespaces
3285 }
3286 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3287 {
3288   \fontspec_set_family:Nnn \l__xepersian_iraniconfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3289   \tl_set_eq:NN \iranicondefault \l__xepersian_iraniconfamily_family_tl
3290   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
3291     {
3292       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3293       \exp_not:N \fontfamily { \l__xepersian_iraniconfamily_family_tl }
3294       \exp_not:N \selectfont
3295     }
3296   }
3297   \str_if_eq:eeT {\familydefault} {\iranicondefault}
3298     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3299   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3300   \normalfont
3301 }
3302
3303 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3304
3305 \ExplSyntaxOff
3306 \def\resetlatinfont{%
3307 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3308 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%

```



```

3309 \def\xepersian@@fontsize@scale{%
3310 \strip@pt\dimexpr 1pt * \dimexpr
3311 \xepersian@@latin@fontsize@scale pt\relax
3312 / \dimexpr \xepersian@@fontsize@scale pt\relax\relax
3313 }%
3314 \def\xepersian@@baselineskip@scale{%
3315 \strip@pt\dimexpr 1pt * \dimexpr
3316 \xepersian@@latin@baselineskip@scale pt\relax
3317 / \dimexpr \xepersian@@baselineskip@scale pt\relax\relax
3318 }%
3319 \nonlatinfalse%
3320 \let\normalfont\latinfont%
3321 \let\reset@font\normalfont%
3322 \latinfont%
3323 \fontsize\fontsize\font@baselineskip%
3324 \selectfont%
3325 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3326 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3327 }
3328 \def\setpersianfont{%
3329 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3330 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3331 \let\xepersian@@fontsize@scale\one%
3332 \let\xepersian@@baselineskip@scale\one%
3333 \nonlatintrue%
3334 \let\normalfont\persianfont%
3335 \let\reset@font\normalfont%
3336 \persianfont%
3337 \fontsize\fontsize\font@baselineskip%
3338 \selectfont%
3339 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3340 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3341 }
3342 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3343 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3344 \def\latin{\LTR\LatinAlphas\@RTL@footnotefalse\resetlatinfont}
3345 \def\endlatin{\endLTR}
3346 \newenvironment{latin*}{\latin
3347 \everypar{%
3348 {\setbox\z@\lastbox
3349 \ifvoid\z@
3350 \kern-\parindent
3351 \fi}%
3352 }%
3353 }{\endlatin\@endpetrue}
3354 \def\persian{\RTL\PersianAlphas\@RTL@footnotetrue\setpersianfont}
3355 \def\endpersian{\endRTL}
3356 \newenvironment{persian*}{\persian
3357 \everypar{%
3358 {\setbox\z@\lastbox
3359 \ifvoid\z@
3360 \kern-\parindent
3361 \fi}%
3362 }%

```



```

3363 }{\endpersian\@endpetrue}
3364 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{latinitems}}
3365 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{persianitems}}
3366 \let\originaltoday=\today
3367 \def\latintoday{\lr{\originaltoday}}
3368 \def\today{\rl{\persiantoday}}
3369 \def \@LTRmarginparreset {%
3370     \reset@font
3371     \resetlatinfont
3372     \normalsize
3373     \@minipagetrue
3374     \everypar{\@minipagefalse\everypar{}\beginL}%
3375 }
3376 \DeclareRobustCommand\Latincite{%
3377     \ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
3378 \def\@Latincitex[#1]#2{\leavevmode
3379     \let\@citea\@empty
3380     \@cite{\lr{\@for\@citeb:=#2\do
3381         {\@citea\def\@citea{,\penalty\@m }%
3382         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3383         \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3384         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3385         \@latex@warning
3386             {Citation ``\@citeb' on page \thepage \space undefined}}%
3387         {\@citeofmt{\csname b@\@citeb\endcsname}}}\@#1}}
3388
3389
3390 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3391
3392 \newif\if@xepersian@computeautoilg
3393 \newcount\xepersian@tcl
3394 \newdimen\xepersian@ilg
3395 \newdimen\xepersian@strutilg
3396 \chardef\f@ur=4
3397 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3398     \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3399     \loop
3400         \iffontchar\font\xepersian@tcl
3401         \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3402         \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3403             \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3404         \fi
3405     \else
3406         \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3407         \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3408             \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3409         \fi
3410     \fi
3411     \fi
3412     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3413     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3414         \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3415     \fi
3416 \else

```



```

3417 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3418 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3419 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3420 \fi
3421 \fi
3422 \fi
3423 \fi
3424 \advance\xepersian@tcl\@ne
3425 \ifnum\xepersian@tcl<1792\repeat
3426 \advance\xepersian@strutilg\xepersian@ilg
3427 % \ifdim\xepersian@strutilg>\baselineskip
3428 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3429 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3430 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3431 % \selectfont
3432 % \fi
3433 }
3434
3435 \newif\if@textdigitfont@on
3436
3437 \newcommand{\TextDigitFontOn}{\@textdigitfont@ontrue}
3438 \newcommand{\TextDigitFontOff}{\@textdigitfont@onfalse}
3439
3440 \TextDigitFontOn
3441
3442 \newcommand*\xepersian@setlength[4]{%
3443   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3444   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3445   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3446   \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3447   \else
3448   \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3449   \fi
3450   \else
3451   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3452   \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3453   \else
3454   \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3455   \fi
3456   \fi
3457   \else
3458   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3459   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3460   \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3461   \else
3462   \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3463   \fi
3464   \else
3465   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3466   \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3467   \else
3468   \setlength{#1}{#2 \@plus#3 \@minus#4}%
3469   \fi
3470   \fi

```



```

3471 \fi
3472 }
3473
3474 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3475 \@defaultunits\@tempdima#2pt\relax\@nnil
3476 \setlength{\@tempdimc}{\@tempdima}%
3477 \addtolength{\@tempdimc}{-10\p@}%
3478 \edef\@ptsize{\strip@pt\@tempdimc}%
3479 \@defaultunits\@tempdimb#1pt\relax\@nnil
3480 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3481 \edef\@tempb{\the\@tempdimc}%
3482 \setlength{\@tempdimc}{\@tempdima}%
3483 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3484 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3485 \xepersian@setlength{\abovedisplayskip}%
3486         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3487 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3488 \xepersian@setlength{\belowdisplayskip}%
3489         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3490 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3491 \edef\normalsize{%
3492 \noexpand\@setfontsize\noexpand\normalsize
3493 {\the\@tempdima}{\the\@tempdimb}%
3494 \abovedisplayskip \the\abovedisplayskip
3495 \abovedisplayshortskip \the\abovedisplayshortskip
3496 \belowdisplayskip \the\belowdisplayskip
3497 \belowdisplayshortskip \the\belowdisplayshortskip
3498 \let\noexpand\@listi\noexpand\@listI
3499 }%
3500 \setlength{\@tempdima}{0.9125\@tempdimc}%
3501 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3502 \xepersian@setlength{\abovedisplayskip}%
3503         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3504 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3505 \xepersian@setlength{\belowdisplayshortskip}%
3506         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3507 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3508 \edef\small{%
3509 \noexpand\@setfontsize\noexpand\small
3510 {\the\@tempdima}{\the\@tempdimb}%
3511 \abovedisplayskip \the\abovedisplayskip
3512 \abovedisplayshortskip \the\abovedisplayshortskip
3513 \belowdisplayskip \the\belowdisplayskip
3514 \belowdisplayshortskip \the\belowdisplayshortskip
3515 \let\noexpand\@listi\noexpand\@listi\small
3516 }%
3517 \setlength{\@tempdima}{.83334\@tempdimc}%
3518 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3519 \xepersian@setlength{\abovedisplayskip}%
3520         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3521 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3522 \xepersian@setlength{\belowdisplayshortskip}%
3523         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3524 \setlength{\belowdisplayskip}{\abovedisplayskip}%

```



```

3525 \edef\footnotesize{%
3526   \noexpand\setfontsize\noexpand\footnotesize
3527   {\the\@tempdima}{\the\@tempdimb}%
3528   \abovedisplayskip \the\abovedisplayskip
3529   \abovedisplayskip \the\abovedisplayskip
3530   \belowdisplayskip \the\belowdisplayskip
3531   \belowdisplayskip \the\belowdisplayskip
3532   \let\noexpand\@listi\noexpand\@listi\footnotesize
3533 }%
3534 \setlength{\@tempdima}{.6667\@tempdimc}%
3535 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3536 \edef\scriptsize{%
3537   \noexpand\setfontsize\noexpand\scriptsize
3538   {\the\@tempdima}{\the\@tempdimb}%
3539 }%
3540 \setlength{\@tempdima}{.5\@tempdimc}%
3541 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3542 \edef\tiny{%
3543   \noexpand\setfontsize\noexpand\tiny
3544   {\the\@tempdima}{\the\@tempdimb}%
3545 }%
3546 \setlength{\@tempdima}{1.2\@tempdimc}%
3547 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3548 \edef\large{%
3549   \noexpand\setfontsize\noexpand\large
3550   {\the\@tempdima}{\the\@tempdimb}%
3551 }%
3552 \setlength{\@tempdima}{1.44\@tempdimc}%
3553 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3554 \edef\Large{%
3555   \noexpand\setfontsize\noexpand\Large
3556   {\the\@tempdima}{\the\@tempdimb}%
3557 }%
3558 \setlength{\@tempdima}{1.728\@tempdimc}%
3559 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3560 \edef\LARGE{%
3561   \noexpand\setfontsize\noexpand\LARGE
3562   {\the\@tempdima}{\the\@tempdimb}%
3563 }%
3564 \setlength{\@tempdima}{2.074\@tempdimc}%
3565 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3566 \edef\huge{%
3567   \noexpand\setfontsize\noexpand\huge
3568   {\the\@tempdima}{\the\@tempdimb}%
3569 }%
3570 \setlength{\@tempdima}{2.488\@tempdimc}%
3571 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3572 \edef\Huge{%
3573   \noexpand\setfontsize\noexpand\Huge
3574   {\the\@tempdima}{\the\@tempdimb}%
3575 }%
3576 \normalsize
3577 \setlength{\@tempdimb}{\f@baselineskip}%
3578 \xepersian\setlength{\parsep}%

```




```

3579         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3580     \xepersian@setlength{\topsep}%
3581         {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3582     \@tempwafalse
3583     \beginngroup
3584     \def\@list@extra{\aftergroup\@tempwattrue}%
3585     \csname @listi\endcsname
3586     \endgroup
3587     \edef\@listi{\leftmargin\leftmargini
3588     \topsep \the\topsep
3589     \parsep \the\parsep
3590     \itemsep \parsep
3591     \if@tempswa\noexpand\@list@extra\fi
3592     }%
3593     \let\@listI\@listi
3594     \xepersian@setlength{\parsep}%
3595         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3596     \xepersian@setlength{\topsep}%
3597         {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3598     \@tempwafalse
3599     \beginngroup
3600     \def\@list@extra{\aftergroup\@tempwattrue}%
3601     \csname @listi\endcsname
3602     \endgroup
3603     \edef\@listi@small{\leftmargin\leftmargini
3604     \topsep \the\topsep
3605     \parsep \the\parsep
3606     \itemsep \parsep
3607     \if@tempswa\noexpand\@list@extra\fi
3608     }%
3609     \xepersian@setlength{\parsep}%
3610         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3611     \xepersian@setlength{\topsep}%
3612         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
3613     \@tempwafalse
3614     \beginngroup
3615     \def\@list@extra{\aftergroup\@tempwattrue}%
3616     \csname @listi\endcsname
3617     \endgroup
3618     \edef\@listi@footnotesize{\leftmargin\leftmargini
3619     \topsep \the\topsep
3620     \parsep \the\parsep
3621     \itemsep \parsep
3622     \if@tempswa\noexpand\@list@extra\fi
3623     }%
3624     \xepersian@setlength{\parsep}%
3625         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3626     \xepersian@setlength{\topsep}%
3627         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3628     \@tempwafalse
3629     \beginngroup
3630     \def\@list@extra{\aftergroup\@tempwattrue}%
3631     \csname @listii\endcsname
3632     \endgroup

```



```

3633 \edef\@listii{\leftmargin\leftmarginii
3634 \labelwidth=\dimexpr \leftmargin-\labelsep
3635 \topsep \the\topsep
3636 \parsep \the\parsep
3637 \itemsep \parsep
3638 \if@tempswa\noexpand\@list@extra\fi
3639 }%
3640 \xepersian@setlength{\topsep}%
3641 {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3642 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3643 \@tempswafalse
3644 \begingroup
3645 \def\@list@extra{\aftergroup\@tempswatrue}%
3646 \csname @listiii\endcsname
3647 \endgroup
3648 \edef\@listiii{\leftmargin\leftmarginiii
3649 \labelwidth=\dimexpr \leftmargin-\labelsep
3650 \topsep \the\topsep
3651 \parsep \z@
3652 \partopsep \the\partopsep
3653 \itemsep \topsep
3654 \if@tempswa\noexpand\@list@extra\fi
3655 }%
3656 \@tempswafalse
3657 \begingroup
3658 \def\@list@extra{\aftergroup\@tempswatrue}%
3659 \csname @listiv\endcsname
3660 \endgroup
3661 \edef\@listiv{\leftmargin\leftmarginiv
3662 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3663 \if@tempswa\noexpand\@list@extra\fi
3664 }%
3665 \@tempswafalse
3666 \begingroup
3667 \def\@list@extra{\aftergroup\@tempswatrue}%
3668 \csname @listv\endcsname
3669 \endgroup
3670 \edef\@listv{\leftmargin\leftmarginv
3671 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3672 \if@tempswa\noexpand\@list@extra\fi
3673 }%
3674 \@tempswafalse
3675 \begingroup
3676 \def\@list@extra{\aftergroup\@tempswatrue}%
3677 \csname @listvi\endcsname
3678 \endgroup
3679 \edef\@listvi{\leftmargin\leftmarginvi
3680 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3681 \if@tempswa\noexpand\@list@extra\fi
3682 }%
3683 \@listi
3684 \setlength{\@tempdimb}{\f@baselineskip}%
3685 \setlength{\footnotesep}{.555\@tempdimb}%
3686 \xepersian@setlength{\skip\footins}%

```



```

3687         {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3688     \xepersian@setlength{\floatsep}%
3689         {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3690     \xepersian@setlength{\textfloatsep}%
3691         {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3692     \setlength{\intextsep}{\floatsep}%
3693     \setlength{\dblfloatsep}{\floatsep}%
3694     \setlength{\dbltextfloatsep}{\textfloatsep}%
3695     \setlength{\@fptop}{\z@ \@plus 1fil}%
3696     \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3697     \setlength{\@fpbot}{\@fptop}%
3698     \setlength{\@dblfpsep}{\@fpsep}%
3699     \setlength{\@dblfpbot}{\@fpsep}%
3700     \setlength{\@dblfpbot}{\@fptop}%
3701     \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3702 }
3703
3704 \renewcommand*{\@bidi@logo@}{%
3705     \@bidi@logo@hb@xt@columnwidth
3706     {\hss\bfseries
3707
3708     \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3709
3710 \renewcommand*{\@bidi@pdfcreator}{%
3711     The xepersian package, v\xepersian@version, \xepersian@date
3712 }
3713
3714 \newcommand*{\@xepersian@pdfcustomproperties}{%
3715     This is the xepersian package, Version \xepersian@version,
3716     Released May 22, 2022.
3717 }
3718
3719 \newcommand\twocolumnstableofcontents{%
3720 \if@bidi@csundef{multi@column@out}{%
3721 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3722 \begin{multicols}{2}[\section*{\contentsname}]{%
3723     \small
3724     \@starttoc{toc}%
3725 \end{multicols}}}%
3726 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
3727 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}%
3728 \AtBeginDocument{%
3729 \def\figurename{\if@RTL else\ Figure\fi}%
3730 \def\tablename{\if@RTL else\ Table\fi}%
3731 \def\contentsname{\if@RTL else\ Contents\fi}%
3732 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3733 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3734 \def\appendixname{\if@RTL else\ Appendix\fi}%
3735 \def\indexname{\if@RTL else\ Index\fi}%
3736 \def\refname{\if@RTL else\ References\fi}%
3737 \def\abstractname{\if@RTL else\ Abstract\fi}%
3738 \def\partname{\if@RTL else\ Part\fi}%
3739 \def\datename{\if@RTL else\ Date:\fi}%
3740 \def\@and{\if@RTL else\ and\fi}%

```



```

3741 \def\bibName{\if@RTL else\ Bibliography\fi}%
3742 \def\chaptername{\if@RTL else\ Chapter\fi}%
3743 \def\ccname{\if@RTL else\ cc\fi}%
3744 \def\enclname{\if@RTL else\ encl\fi}%
3745 \def\pagename{\if@RTL else\ Page\fi}%
3746 \def\headtoname{\if@RTL else\ To\fi}%
3747 \def\proofname{\if@RTL else\ Proof\fi}%
3748 }
3749 \def\@Abjad#1{%
3750 \ifcase#1\or or\ or\ or\ %
3751 \or or\ or\ or\ or\ %
3752 \or or\ or\ or\ or\ %
3753 \or or\ or\ or\ %
3754 \or or\ or\ or\ or\ %
3755 \or or\ or\ or\ or\ %
3756 \else\@ctrerr\fi}
3757 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3758 \let\Abjadnumeral\@Abjad
3759 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3760 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3761 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3762 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3763 \let\harfinumeral\@harfi
3764 \newcommand{\adadi}[1]{%
3765 \expandafter\@adadi\csname c@#1\endcsname%
3766 }
3767 \newcommand{\@adadi}[1]{%
3768 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3769 }
3770 \let\adadinumeral\@adadi%
3771 \def\xepersian@numberoutofrange#1#2{%
3772 \PackageError{xepersian}{The number `#1' is too large %
3773 to be formatted using xepersian}{The largest possible %
3774 number is 999,999,999.}%
3775 }
3776 \def\xepersian@numberstring#1#2#3#4{%
3777 \ifnum\number#1<\@ne%
3778 #3%
3779 \else\ifnum\number#1<1000000000 %
3780 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3781 \else%
3782 \xepersian@numberoutofrange{#1}{#4}%
3783 \fi\fi%
3784 }
3785 \def\xepersian@adadi#1#2{%
3786 \expandafter\xepersian@@adadi%
3787 \ifcase%
3788 \ifnum#1<10 1%
3789 \else\ifnum#1<100 2%
3790 \else\ifnum#1<\@m 3%
3791 \else\ifnum#1<\@M 4%
3792 \else\ifnum#1<100000 5%
3793 \else\ifnum#1<1000000 6%
3794 \else\ifnum#1<10000000 7%

```



```

3795 \else\ifnum#1<100000000 8%
3796 \else9%
3797 \fi\fi\fi\fi\fi\fi\fi\fi %
3798 \or00000000#1% case 1: Add 8 leading zeros
3799 \or0000000#1% case 2: Add 7 leading zeros
3800 \or000000#1% case 3: Add 6 leading zeros
3801 \or00000#1% case 4: Add 5 leading zeros
3802 \or0000#1% case 5: Add 4 leading zeros
3803 \or000#1% case 6: Add 3 leading zeros
3804 \or00#1% case 7: Add 2 leading zeros
3805 \or0#1% case 8: Add 1 leading zero
3806 \or#1% case 9: Add no leading zeros
3807 \or%
3808 \@nil#2%
3809 \fi%
3810 }
3811 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3812 \ifnum#1#2#3>\z@
3813 \xepersian@milyoongan#1#2#3%
3814 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3815 \fi%
3816 \ifnum#4#5#6>\z@%
3817 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3818 \ifnum#4#5#6>\@ne\fi%
3819 %
3820 \ifnum#7>\z@\ \fi%
3821 \fi%
3822 \xepersian@sadgan#7{#4#5#6}1#9%
3823 }
3824 \def\xepersian@milyoongan#1#2#3{%
3825 \ifnum#1#2#3=\@ne%
3826 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3827 %
3828 %
3829 \else%
3830 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3831 %
3832 %
3833 \fi%
3834 }
3835 \def\xepersian@sadgan#1#2#3#4#5#6{%
3836 \ifnum#1>\z@%
3837 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3838 %
3839 \ifnum#2#3>\z@\ \fi%
3840 \fi%
3841 \ifnum#2#3<20%
3842 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3843 \else%
3844 \xepersian@dahgan#2%
3845 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3846 #60%
3847 \fi%
3848 }

```



```

3849 \def\xepersian@yekani#1{%
3850 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3851 \or or\ or\ or\ or\ or\ or\ %
3852 \or or\ or\ or\ %
3853 \or or\ %fi\
3854 }
3855 \def\xepersian@yekanii#1{%
3856 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3857 }
3858 \def\xepersian@yekanii#1{%
3859 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3860 }
3861 \def\xepersian@yekaniv#1{%
3862 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3863 \or or\ or\ %fi\
3864 }
3865 \def\xepersian@dahgan#1{%
3866 \ifcase#1\or\or or\ or\ %
3867 \or or\ or\ or\ %
3868 \or %fi\
3869 }
3870 \newcommand{\tartibi}[1]{%
3871 \expandafter\@tartibi\csname c@#1\endcsname%
3872 }
3873 \newcommand{\@tartibi}[1]{%
3874 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3875 }
3876 \let\tartibinumeral\@tartibi%
3877 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3878 \ifnum\number#1<\@ne%
3879 #3%
3880 \else\ifnum\number#1<1000000000 %
3881 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3882 \else%
3883 \xepersian@numberoutofrange{#1}{#4}%
3884 \fi\fi%
3885 }
3886 \def\xepersian@adadi@tartibi#1#2{%
3887 \expandafter\xepersian@@adadi@tartibi%
3888 \ifcase%
3889 \ifnum#1<10 1%
3890 \else\ifnum#1<100 2%
3891 \else\ifnum#1<\@m 3%
3892 \else\ifnum#1<\@M 4%
3893 \else\ifnum#1<100000 5%
3894 \else\ifnum#1<1000000 6%
3895 \else\ifnum#1<10000000 7%
3896 \else\ifnum#1<100000000 8%
3897 \else9%
3898 \fi\fi\fi\fi\fi\fi\fi\fi %
3899 \or00000000#1% case 1: Add 8 leading zeros
3900 \or0000000#1% case 2: Add 7 leading zeros
3901 \or000000#1% case 3: Add 6 leading zeros
3902 \or00000#1% case 4: Add 5 leading zeros

```



```

3903 \or0000#1%      case 5: Add 4 leading zeros
3904 \or000#1%       case 6: Add 3 leading zeros
3905 \or00#1%        case 7: Add 2 leading zeros
3906 \or0#1%         case 8: Add 1 leading zero
3907 \or#1%          case 9: Add no leading zeros
3908 \or%
3909 \@nil#2%
3910 \fi%
3911 }
3912 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3913 \ifnum#1#2#3>\z@
3914 \xepersian@milyoongan@tartibi#1#2#3%
3915 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3916 \fi%
3917 \ifnum#4#5#6>\z@%
3918 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3919 \ifnum#4#5#6>\@ne \fi%
3920 %
3921 \ifnum#7>\z@\ \fi%
3922 \fi%
3923 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3924 }
3925 \def\xepersian@milyoongan@tartibi#1#2#3{%
3926 \ifnum#1#2#3=\@ne%
3927 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3928 %
3929 %
3930 \else%
3931 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3932 %
3933 %
3934 \fi%
3935 }
3936 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3937 \ifnum#1>\z@%
3938 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3939 %
3940 \ifnum#2#3>\z@\ \fi%
3941 \fi%
3942 \ifnum#2#3<20%
3943 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3944 \else%
3945 \ifnum#2#3=30%
3946 \xepersian@dahgan@tartibi#2%
3947 \else%
3948 \xepersian@dahgan#2%
3949 \fi%
3950 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3951 #60%
3952 \fi%
3953 }
3954 \def\xepersian@dahgan@tartibi#1{%
3955 \ifcase#1\or\or or\ or\ %
3956 \or or\ or\ or\ %

```



```

3957 \or %fi\
3958 }
3959 \def\xepersian@tartibi#1{%
3960 \ifcase#1 \or or\ or\ or\ %
3961 \or or\ or\ or\ or\ %
3962 \or or\ or\ or\ %
3963 \or or\ or\ %
3964 \or or\ or\ %fi\
3965 }
3966 \def\xepersian@yekanv#1{%
3967 \ifcase#1 \@empty\or or\ or\ or\ or\ or\ %
3968 \or or\ or\ or\ or\ or\ or\ %
3969 \or or\ or\ or\ %
3970 \or or\ %fi\
3971 }
3972 \providecommand*\xpg@warning}[1]{%
3973 \PackageWarning{XePersian}%
3974 {#1}}
3975 \if@bidi@csundef{@abjad}{%
3976 \def@abjad#1{%
3977 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3978 \else
3979 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3980 \else
3981 \ifnum#1<10\expandafter\abj@num@i\number#1%
3982 \else
3983 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3984 \else
3985 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3986 \else
3987 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3988 \fi
3989 \fi
3990 \fi
3991 \fi
3992 \fi
3993 \fi
3994 }
3995 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3996 \let\abjadnumeral\@abjad
3997 \def\abjad@zero{}
3998 \def\abj@num@i#1{%
3999 \ifcase#1\or or\ or\ or\ %
4000 \or or\ or\ or\ or\ fi\
4001 \ifnum#1=\z@\abjad@zero\fi}
4002 \def\abj@num@ii#1{%
4003 \ifcase#1\or or\ or\ or\ or\ %
4004 \or or\ or\ or\ fi\
4005 \ifnum#1=\z@\fi\abj@num@i}
4006 \def\abj@num@iii#1{%
4007 \ifcase#1\or or\ or\ or\ or\ %
4008 \or or\ or\ or\ fi\
4009 \ifnum#1=\z@\fi\abj@num@ii}
4010 \def\abj@num@iv#1{%

```




```

4011 \ifcase#1\or fi\
4012 \ifnum#1=\z@\fi\abj@num@iii}
4013 }{}
4014 \let\@latinalph\@alph%
4015 \let\@latinAlph\@Alph%
4016 \def\LatinAlphs{%
4017 \let\@alph\@latinalph%
4018 \let\@Alph\@latinAlph%
4019 }
4020 \def\thempfootnote{\@itshape\@latinalph\c@mpfootnote}}
4021 \renewcommand*{\bidi@thebibliography@font@hook}{%
4022 \if@LTRbibitems
4023 \resetlatinfont
4024 \fi}
4025 \bidi@AfterEndPreamble{%
4026 \if@bidi@csundef{persianfont}}{%
4027 \PackageError{xepersian}{You have not specified any font\MessageBreak
4028 for the main Persian text}{Use \settextfont' to load a font.}%
4029 }{}
4030 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4031 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4032 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4033 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4034 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4035 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4036 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4037 \@ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4038 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
4039 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4040 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4041 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4042 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4043 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4044 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4045 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4046 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4047 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4048 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4049 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4050 \@ifpackageloaded{url}{\input{url-xepersian.def}}{}
4051 \@ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4052 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
4053 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4054 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4055 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4056 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4057 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4058 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4059 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
4060 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4061 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4062 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4063 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4064 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}

```



```

4065 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4066 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4067 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4068 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4069 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4070 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4071 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4072 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4073 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4074 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4075
4076 \def\xepersian@fontsize@branch#1{%
4077   \@tempcnta\z@
4078   \for\xepersian@tmp=#1\do{%
4079     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
4080     \ifcase\@tempcnta\relax% cnta == 0
4081       \edef\xepersian@value{\xepersian@frag}%
4082       \setfontsize{\xepersian@frag}%
4083     \or% cnta == 1
4084       \setfontsize[\xepersian@frag]{\xepersian@value}%
4085     \else\fi
4086     \advance\@tempcnta\@ne}%
4087 }
4088
4089
4090 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4091 \ifcase\xepersian@tempb\relax
4092   \AutoMathDigits
4093 \or
4094   \DefaultMathDigits
4095 \or
4096   \PersianMathDigits
4097 \fi}
4098 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4099 \ifcase\xepersian@tempb\relax
4100   \AutoInlineMathDigits
4101 \or
4102   \DefaultInlineMathDigits
4103 \or
4104   \PersianInlineMathDigits
4105 \fi}
4106 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4107 \ifcase\xepersian@tempb\relax
4108   \AutoDisplayMathDigits
4109 \or
4110   \DefaultDisplayMathDigits
4111 \or
4112   \PersianDisplayMathDigits
4113 \fi}
4114 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4115 \ifcase\xepersian@tempb\relax
4116   \@RTLtrue
4117 \or
4118   \@RTLfalse

```



```

4119 \fi}
4120
4121 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4122 \ifcase\xepersian@tempb\relax
4123 \@RTLtrue
4124 \or
4125 \@RTLfalse
4126 \fi}
4127
4128
4129 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4130 \ifcase\xepersian@tempb\relax
4131 \@RTLtabtrue
4132 \or
4133 \@RTLtabfalse
4134 \fi}
4135
4136 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}{latin}
4137 \ifcase\xepersian@tempb\relax
4138 \@nonlatinfalse
4139 \or
4140 \@nonlatintrue
4141 \fi}
4142
4143 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4144 \ifcase\xepersian@tempb\relax
4145 \@RTLtrue
4146 \or
4147 \@RTLfalse
4148 \fi}
4149 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,le
4150 \ifcase\xepersian@tempb\relax
4151 \autofootnoterule
4152 \or
4153 \leftfootnoterule
4154 \or
4155 \rightfootnoterule
4156 \or
4157 \SplitFootnoteRule
4158 \or
4159 \textwidthfootnoterule
4160 \fi}
4161 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4162 \ifcase\xepersian@tempb\relax
4163 \@RTL@footnotetrue
4164 \or
4165 \@RTL@footnotefalse
4166 \fi}
4167 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
4168 \ifcase\xepersian@tempb\relax
4169 \footdir@debugtrue
4170 \or
4171 \footdir@debugfalse
4172 \fi}

```



```

4173 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4174 \ifcase\xepersian@tempb\relax
4175 \input{kashida-xepersian.def}
4176 \fi}
4177 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4178 \ifcase\xepersian@tempb\relax
4179 \input{localise-xepersian.def}
4180 \fi}
4181 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,
4182 \ifcase\xepersian@tempb\relax
4183 \@extrafootnotefeaturestrue
4184 \or
4185 \@extrafootnotefeaturesfalse
4186 \fi}
4187 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4188 \ifcase\xepersian@tempb\relax
4189 \PackageWarning{xepersian}{Obsolete option}%
4190 \ifwritexviii%
4191 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4192 \renewcommand\printindex{\newpage%
4193 \immediate\closeout\@indexfile
4194 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4195 \@input@{\jobname.ind}}}%
4196 \else
4197 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4198 \fi
4199 \fi}
4200 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,of
4201 \ifcase\xepersian@tempb\relax
4202 \ifwritexviii%
4203 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4204 \renewcommand\printindex{\newpage%
4205 \immediate\closeout\@indexfile
4206 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobna
4207 \@input@{\jobname.ind}}}%
4208 \else
4209 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4210 \fi
4211 \fi}
4212 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,of
4213 \ifcase\xepersian@tempb\relax
4214 \ifwritexviii%
4215 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4216 \renewcommand\printindex{\newpage%
4217 \immediate\closeout\@indexfile
4218 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobna
4219 \@input@{\jobname.ind}}}%
4220 \else
4221 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4222 \fi
4223 \fi}
4224 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4225 \ifcase\xepersian@tempb\relax
4226 \def\PersianAlphs{%

```



```

4227 \let\@alph\@abjad%
4228 \let\@Alph\@abjad%
4229 }
4230 \or
4231 \def\PersianAlphs{%
4232 \let\@alph\@Abjad%
4233 \let\@Alph\@Abjad%
4234 }
4235 \fi}
4236 \DeclareOptionX{defaultlatinfontfeatures}{%
4237 \defaultfontfeatures
4238 [\latinfont]
4239 {#1}
4240 }
4241
4242 \DeclareOptionX{mathfontssize}{%
4243 \def\xepersian@@math@fontsize@scale{#1}%
4244 }
4245
4246 \DeclareOptionX{fontssize}{%
4247 \def\xepersian@@fontsize@scale{#1}%
4248 }
4249
4250 \DeclareOptionX{fontsize}{%
4251 \xepersian@@fontsize@branch{#1}%
4252 }
4253
4254 \DeclareOptionX{latinfontssize}{%
4255 \def\xepersian@@latin@fontsize@scale{#1}%
4256 }
4257
4258 \DeclareOptionX{baselineskip}{%
4259 \def\xepersian@@baselineskip@scale{#1}%
4260 }
4261
4262 \DeclareOptionX{latinbaselineskip}{%
4263 \def\xepersian@@latin@baselineskip@scale{#1}%
4264 }
4265
4266 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4267 \ifcase\xepersian@tempb\relax
4268 \AtBeginDocument{\@bidi@inslogo@}%
4269 \or
4270 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4271 \fi}
4272
4273 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4274 \ifcase\xepersian@tempb\relax
4275 \@bidi@pdfm@marktrue
4276 \or
4277 \@bidi@pdfm@markfalse
4278 \fi}
4279
4280 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```



```

4281 \ifcase\xepersian@tempb\relax
4282   \@xepersian@@computeautoilgtrue
4283 \or
4284   \@xepersian@@computeautoilgfalse
4285 \fi}
4286
4287 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]+
4288 \ifcase\xepersian@tempb\relax
4289 \def\bidi@firstcolumn@status@write{%
4290   \protected@write\@auxout{%
4291     {\string\bidi@column@status
4292      {1}}}%
4293 \def\bidi@lastcolumn@status@write{%
4294   \protected@write\@auxout{%
4295     {\string\bidi@column@status{2}}}%
4296 \or
4297   \let\bidi@firstcolumn@status@write\relax
4298   \let\bidi@lastcolumn@status@write\relax
4299 \fi}
4300
4301
4302 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}[
4303 \ifcase\xepersian@tempb\relax
4304   \bidi@AtEndPreamble{%
4305     \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4306     {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{-}{-}%
4307   }
4308 \or
4309   \relax
4310 \fi}
4311
4312 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}[
4313 \ifcase\xepersian@tempb\relax
4314   \@bidi@perpage@footnotetrue
4315 \or
4316   \@bidi@perpage@footnotefalse
4317 \fi}
4318
4319 \ExecuteOptionsX{%
4320   documentdirection=righttoleft,
4321   tabledirection=righttoleft,
4322   script=nonlatin,
4323   footnotedirection=righttoleft,
4324   footnoterule=automatic,
4325   abjadvariant=two,
4326   DetectColumn=off,
4327   fontsizescale=\@ne,
4328   latinfontsizescale=\@ne,
4329   mathfontsizescale=\@ne,
4330   baselineskipscale=\@ne,
4331   latinbaselineskipscale=\@ne
4332 }
4333
4334 \ProcessOptionsX

```



```

4335
4336 \if@extrafootnotefeatures
4337   \input{extrafootnotefeatures-xetex-bidi.def}%
4338   \input{extrafootnotefeatures-xepersian.def}%
4339 \fi
4340
4341 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4342   \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
4343 }{}{}
4344
4345 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4346   \@tempkipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
4347 }{}{}
4348
4349
4350 \newcommand*{\xepersian@@@update@math@fontsize}[1]{%
4351   \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
4352   \dimexpr 1pt * \dimexpr #1 pt\relax /
4353   \dimexpr \xepersian@@@fontsize@scale pt\relax
4354   \relax\relax
4355 }
4356
4357 \bidi@patchcmd{\getanddefine@fonts}{%
4358   \xdef\font@name{\csname \string#2/\tf@size@endcsname}%
4359 }{%
4360   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size@endcsname}%
4361 }{}{}
4362
4363 \bidi@patchcmd{\getanddefine@fonts}{%
4364   \xdef\font@name{\csname \string#2/\sf@size@endcsname}%
4365 }{%
4366   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sf@size@endcsname}%
4367 }{}{}
4368
4369 \bidi@patchcmd{\getanddefine@fonts}{%
4370   \xdef\font@name{\csname \string#2/\ssf@size@endcsname}%
4371 }{%
4372   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size@endcsname}%
4373 }{}{}
4374
4375
4376 \if\xepersian@@@computeautoilg
4377 \bidi@patchcmd{\set@fontsize}{%
4378   \baselineskip\f@baselineskip\relax
4379 }{%
4380   \baselineskip\f@baselineskip\relax
4381   \xepersian@@@computeautoilg
4382   \ifdim\xepersian@strutilg>\baselineskip
4383     \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4384     \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4385     \baselineskip\xepersian@strutilg
4386     \ifdim\footnotesep=.7\baselineskip
4387     \else
4388       \footnotesep.7\baselineskip

```



```

4389 \fi
4390 \fi
4391 }{}{}
4392 \fi
4393
4394 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4395 \PersianAlphs

```

60 File xepersian-magazine.cls

```

4396 \NeedsTeXFormat{LaTeX2e}
4397 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4398 \RequirePackage{ifthen}
4399 \newlength{xepersian@imgsize}
4400 \newlength{xepersian@coltitsize}
4401 \newlength{xepersian@pageneed}
4402 \newlength{xepersian@pageleft}
4403 \newlength{xepersian@indexwidth}
4404 \newcommand{xepersian@ncolumns}{0}
4405 \newlength{columnlines}
4406 \setlength{columnlines}{0 pt} % no lines by default
4407 \newboolean{xepersian@hyphenatedtitles}
4408 \setboolean{xepersian@hyphenatedtitles}{true}
4409 \newboolean{xepersian@ninepoints}
4410 \setboolean{xepersian@ninepoints}{false}
4411 \newboolean{xepersian@showgrid}
4412 \setboolean{xepersian@showgrid}{false}
4413 \newboolean{xepersian@a3paper}
4414 \setboolean{xepersian@a3paper}{false}
4415 \newboolean{xepersian@insidefrontpage}
4416 \setboolean{xepersian@insidefrontpage}{false}
4417 \newboolean{xepersian@insideweather}
4418 \setboolean{xepersian@insideweather}{false}
4419 \newboolean{xepersian@insideindex}
4420 \setboolean{xepersian@insideindex}{false}
4421 \newcount\xepersian@gridrows
4422 \newcount\xepersian@gridcolumns
4423 \xepersian@gridrows=40
4424 \xepersian@gridcolumns=50
4425 \newcount\minraggedcols
4426 \minraggedcols=5
4427 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4428 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4429 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4430 \DeclareOption{twocolumn}%
4431 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4432 \DeclareOption{notitlepage}%
4433 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4434 \DeclareOption{twoside}%
4435 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4436 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4437 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4438 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4439 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}

```




```

4440 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4441 \ProcessOptions\relax
4442 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4443 \RequirePackage{ifxetex}
4444 \RequirePackage{multido}
4445 \RequirePackage{datetime}
4446 \RequirePackage{multicol}
4447 \RequirePackage{fancyhdr}
4448 \RequirePackage{fancybox}
4449 \ifthenelse{\boolean{xepersian@a3paper}}{%
4450 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4451 }{
4452 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4453 }
4454 \RequirePackage[absolute]{textpos} % absolute positioning
4455 \RequirePackage{hyphenat} % when hyphenate
4456 \RequirePackage{lastpage} % to know the last page number
4457 \RequirePackage{setspace} % set space between lines
4458 \RequirePackage{ragged2e}
4459 \newcommand{\raggedFormat}{\RaggedLeft}
4460 \AtEndOfClass{\xepersianInit}
4461 \ifthenelse{\boolean{xepersian@showgrid}}{%
4462 \AtBeginDocument{
4463 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4464 \advance\minraggedcols by -1
4465 }{%
4466 \AtBeginDocument{
4467 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4468 \advance\minraggedcols by -1
4469 }
4470 \ifthenelse{\boolean{xepersian@ninepoints}}{
4471 \renewcommand{\normalsize}{%
4472 \setfontsize{\normalsize}{9pt}{10pt}%
4473 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4474 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4475 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4476 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4477
4478 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4479
4480 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4481
4482 \renewcommand{\small}{%
4483 \setfontsize{\small}{8pt}{9pt}%
4484 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4485 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4486 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4487 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4488
4489 \renewcommand{\footnotesize}{%
4490 \setfontsize{\footnotesize}{8pt}{9pt}%
4491 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4492 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4493 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%

```



```

4494 \setlength{\belowdisplayskip}{\abovedisplayskip}}
4495
4496 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4497 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4498 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4499 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4500 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4501 }{}
4502 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4503 \newcommand{\xepersian@wwwFormat}{\sfamily}
4504 \newcommand{\xepersian@www}{\%
4505 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
4506 }
4507 \newcommand{\xepersian@edition}{\{
4508 \newcommand{\editionFormat}{\large\bfseries\texttt}
4509 \newcommand{\xepersian@editionLogo}{\%
4510 \raisebox{-3pt}{\%
4511 {\editionFormat\xepersian@edition}}\%
4512 }%\%
4513 }
4514 \newcommand{\indexFormat}{\large\bfseries}
4515 \newcommand{\xepersian@indexFrameTitle}[1]
4516 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
4517
4518 \newcommand{\indexEntryFormat}{\normalsize}
4519 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4520 {\indexEntryFormat\noindent\ignorespaces{#1}}\%
4521 \end{minipage}}
4522 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4523 \newcommand{\indexEntryPageTxt}{\{
4524 \newcommand{\indexEntryPageFormat}{\footnotesize}
4525 \newcommand{\xepersian@indexEntryPage}[1]{\%
4526 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}\%
4527 }
4528 \newcommand{\headDateTimeFormat}{\{
4529 \newcommand{\xepersian@headDateTime}{\%
4530 \headDateTimeFormat\date\hspace{5pt}\$\parallel$\hspace{5pt}}\%
4531 \currenttime \%
4532 }
4533 \newcommand{\weatherFormat}{\bfseries}
4534 \newcommand{\xepersian@weather}[1]{\%
4535 \noindent{\weatherFormat #1}\%
4536 }
4537 \newcommand{\weatherTempFormat}{\small}
4538 \newcommand{\weatherUnits}{\textdegree{C}}
4539 \newcommand{\xepersian@section}[0]{\{
4540 \newcommand{\xepersian@headleft}{\%
4541 {\small\bfseries \@custommagazineName} \date
4542 }
4543 \newcommand{\xepersian@headcenter}{\%
4544 \xepersian@section{}
4545 }
4546 \newcommand{\xepersian@headright}{\%
4547 \small\xepersian@edition%

```



```

4548 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4549 }
4550
4551 \newcommand{\heading}[3]{%
4552 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4553 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4554 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4555 }
4556 \newcommand{\xepersian@footright}{%
4557 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4558 }
4559 \newcommand{\xepersian@footcenter}{%
4560 }
4561 \newcommand{\xepersian@footleft}{%
4562 }
4563
4564 \newcommand{\foot}[3]{%
4565 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4566 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4567 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4568 }
4569 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4570 \newcommand{\xepersian@firstTitle}[1]{%
4571 {%
4572 \begin{spacing}{2.0}{%
4573 \noindent\ignorespaces
4574 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4575 {\nohyphens{\firstTitleFormat #1}}%
4576 {\firstTitleFormat #1}}%
4577 }%
4578 \end{spacing}%
4579 }%
4580 }
4581 \newcommand{\firstTextFormat}{%
4582 \newcommand{\xepersian@firstText}[1]{%
4583 {\noindent\ignorespaces\firstTextFormat #1}%
4584 }
4585 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4586 \newcommand{\xepersian@secondTitle}[1]{%
4587 \begin{spacing}{1.5}{%
4588 \noindent\ignorespaces\flushright
4589 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4590 {\nohyphens{\secondTitleFormat #1}}%
4591 {\secondTitleFormat #1}}%
4592 \end{spacing}%
4593 }
4594 \newcommand{\secondSubtitleFormat}{\large}
4595 \newcommand{\xepersian@secondSubtitle}[1]{%
4596 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
4597 }
4598 \newcommand{\secondTextFormat}{%
4599 \newcommand{\xepersian@secondText}[1]{%
4600 \begin{multicols}{2}
4601 {\noindent\ignorespaces\secondTextFormat #1}

```



```

4602 \end{multicols}
4603 }
4604 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4605 \newcommand{\xepersian@thirdTitle}[1]{%
4606 \begin{spacing}{1.5}{%
4607 \noindent\ignorespaces\flushright
4608 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4609 {\nohyphens{\thirdTitleFormat #1}}%
4610 {\thirdTitleFormat #1}}%
4611 }\end{spacing}%
4612 }
4613 \newcommand{\thirdSubtitleFormat}{\large}
4614 \newcommand{\xepersian@thirdSubtitle}[1]{%
4615 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4616 \newcommand{\thirdTextFormat}{%
4617 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4618 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4619 \newcommand{\xepersian@pictureCaption}[1]{%
4620 {\noindent\pictureCaptionFormat #1}}
4621 }
4622 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4623 \newcommand{\xepersian@pages}[1]{%
4624 {\noindent{\pagesFormat\MakeUppercase{#1}}}}
4625 \newcommand{\innerTitleFormat}{\Huge}
4626 \newcommand{\xepersian@innerTitle}[1]{%
4627 \begin{flushright}{%
4628 \noindent
4629 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4630 {\nohyphens{\innerTitleFormat #1}}%
4631 {\innerTitleFormat #1}}%
4632 }%
4633 \\\%
4634 \end{flushright}}%
4635 }
4636 \newcommand{\innerSubtitleFormat}{\large}
4637 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4638 \newcommand{\timestampTxt}{%
4639 \newcommand{\timestampSeparator}{|}%
4640 \newcommand{\timestampFormat}{\small}
4641 \newcommand{\timestamp}[1]{%
4642 {\timestampFormat%
4643 #1~\timestampTxt}%
4644 }~\timestampSeparator}%
4645 }
4646 \newcommand{\innerAuthorFormat}{\footnotesize}
4647 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4648 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4649 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4650 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4651 \newcommand{\editorialAuthorFormat}{\textsc}
4652 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4653 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4654 \newcommand{\shortarticleSubtitleFormat}{\Large}
4655 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}

```



```

4656 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4657 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1\}}
4658 \renewcommand{\maketitle}{\begin{titlepage}%
4659   \let\footnotesize\small
4660   \let\footnoterule\relax
4661   \let \footnote \thanks
4662   \null\vfil
4663   \vskip 60\p@
4664   \begin{center}%
4665     {\LARGE \@title \par}%
4666     \vskip 1em%
4667     {\LARGE «\xepersian@edition» \par}%
4668     \vskip 3em%
4669     {\large
4670       \lineskip .75em%
4671       \begin{tabular}[t]{c}%
4672         \@author
4673       \end{tabular}\par}%
4674       \vskip 1.5em%
4675       {\large \@date \par}%
4676   \end{center}\par
4677   \@thanks
4678   \vfil\null
4679   \end{titlepage}%
4680   \setcounter{footnote}{0}%
4681   \global\let\thanks\relax
4682   \global\let\maketitle\relax
4683   \global\let\@thanks\@empty
4684   \global\let\@author\@empty
4685   \global\let\@date\@empty
4686   \global\let\@title\@empty
4687   \global\let\title\relax
4688   \global\let\author\relax
4689   \global\let\date\relax
4690   \global\let\and\relax
4691 }
4692 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4693 \newsavebox{\xepersian@fmbox}
4694 \newenvironment{xepersian@fmpage}[1]
4695 { \begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4696 { \end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4697 \newcommand{\image}[2]{
4698   \vspace{5pt}
4699   \setlength{\fboxsep}{1pt}
4700   \addtolength{\xepersian@imgsize}{\columnwidth}
4701   \addtolength{\xepersian@imgsize}{-1\columnsep}
4702   \ifxetex
4703     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4704     \addtolength{\xepersian@pageneed}{50pt}
4705     \ClassWarning{xepersian-magazine}{%
4706 Image #1 needs: \the\xepersian@pageneed \space %
4707 and there is left: \the\page@free\space%
4708 }
4709 \ifdim \xepersian@pageneed < \page@free

```



```

4710
4711 {\centering\fbbox{%
4712 \includegraphics[width = \xepersian@imgsize,
4713 height = \xepersian@imgsize,
4714 keepaspectratio ]{#1}}}%
4715 \xepersian@pictureCaption{#2}
4716
4717 \vspace{5pt}
4718 \else
4719 \ClassWarning{Image #1 needs more space!%
4720 It was not inserted!}%
4721 \fi
4722 \fi
4723 }
4724 \textblockorigin{1cm}{1cm}
4725 \newdimen\xepersian@dx
4726 \newdimen\xepersian@dy
4727 \newcount\xepersian@cx
4728 \newcount\xepersian@cy
4729 \newcommand{\grid}[3][ ]{
4730 \xepersian@dx=\textwidth%
4731 \xepersian@dy=\textheight%
4732 \xepersian@cx=#3% %columns
4733 \xepersian@cy=#2% %rows
4734
4735 \count1=#3%
4736 \advance\count1 by 1
4737
4738 \count2=#2%
4739 \advance\count2 by 1
4740
4741 \divide\xepersian@dx by #3
4742 \divide\xepersian@dy by #2
4743
4744 \setlength{\TPHorizModule}{\xepersian@dx}
4745 \setlength{\TPVertModule}{\xepersian@dy}
4746
4747 \ifthenelse{\equal{#1}{show}}{
4748 \multido{\xepersian@nrow=0+1}{\count2}{
4749 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4750 \rule[0pt]{\textwidth}{.1pt}
4751 \end{textblock}
4752 }
4753
4754 \multido{\xepersian@ncol=0+1}{\count1}{
4755 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4756 \rule[0pt]{.1pt}{\textheight}
4757 \end{textblock}
4758 }
4759 }{}
4760 }
4761 \newcommand{\xepersianInit}{
4762 \setlength{\headheight}{14pt}
4763 \renewcommand{\headrulewidth}{0.4pt}

```



```

4764
4765 \pagestyle{fancy}
4766
4767 \setlength{\columnseprule}{\columnlines}
4768 \setlength{\fboxrule}{0.1 pt}
4769
4770 }
4771
4772 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4773 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4774 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4775 \newcommand{\logo}[0]{
4776 %% Heading %%
4777 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4778
4779 \vspace*{-3pt}
4780
4781 {\Large\bfseries \@customlogo}
4782 \hrulefill
4783 \hspace{10pt}\xepersian@headDateTime
4784
4785 }
4786 \newcommand{\minilogo}[0]{
4787 {\large\bfseries \@customminilogo}
4788
4789 \vspace*{5pt}
4790 }
4791 \newcommand{\mylogo}[1]{
4792 {\beginR#1\endR}
4793
4794 \noindent
4795 \xepersian@editionLogo\hspace{5pt}
4796 \hrulefill
4797 \hspace{5pt}\xepersian@headDateTime
4798 }
4799 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4800 \newenvironment{frontpage}[0]
4801 {
4802 \setboolean{xepersian@insidefrontpage}{true}
4803 \thispagestyle{empty}
4804 \logo
4805
4806 }%
4807 {
4808 \thispagestyle{empty}
4809 \clearpage
4810 \newpage
4811 \fancyhead{}
4812 \fancyfoot{}
4813 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4814 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4815 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4816 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4817 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}

```



```

4818 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4819 \renewcommand{\headrulewidth}{0.4pt}
4820 \setboolean{xepersian@insidefrontpage}{false}
4821
4822 }
4823 \newcommand{\firstarticle}[3]
4824 {
4825 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4826 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4827 \begin{textblock}{24}(22,5)
4828 }
4829 {
4830 \begin{textblock}{28}(22,5)
4831 }
4832 \vspace{-7pt}
4833 \xepersian@firstTitle{#1}
4834 \end{textblock}
4835 \begin{textblock}{29}(22,10)
4836 \vspace{5pt plus 2pt minus 2pt}
4837
4838 \xepersian@firstText{\timestamp{#3}~#2}
4839
4840 \end{textblock}
4841
4842 \begin{textblock}{50}(0,15)
4843 \rule{50\TPHorizModule}{.3pt}
4844 \end{textblock}
4845 }{%else
4846 \ClassError{xepersian-magazine}{%
4847 \protect\firstarticle\space in a wrong place.\MessageBreak
4848 \protect\firstarticle\space may only appear inside frontpage environment.
4849 }{%
4850 \protect\firstarticle\space may only appear inside frontpage environment.
4851 }%
4852 }
4853 }
4854 \newcommand{\secondarticle}[5]
4855 {
4856 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4857 \begin{textblock}{33}(2,16)
4858 \xepersian@pages{#4}
4859 \vspace{-5pt}
4860 \xepersian@secondTitle{#1}
4861
4862 \vspace*{5pt}
4863
4864 \xepersian@secondSubtitle{#2}
4865
4866 \vspace*{-7pt}
4867
4868 \xepersian@secondText{\timestamp{#5}~#3}
4869
4870 \end{textblock}
4871

```




```

4872 \begin{textblock}{33}(2,25)
4873 \vspace{5pt plus 2pt minus 2pt}
4874
4875 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4876 \end{textblock}
4877 }{%else
4878 \ClassError{xepersian-magazine}{%
4879 \protect\secondarticle\space in a wrong place.\MessageBreak
4880 \protect\secondarticle\space may only appear inside frontpage environment.
4881 }{%
4882 \protect\secondarticle\space may only appear inside frontpage environment.
4883 }%
4884 }
4885 }
4886 \newcommand{\thirdarticle}[6]
4887 {
4888 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4889 \begin{textblock}{32}(2,26)
4890 \xepersian@pages{#5}
4891 \vspace{-5pt}
4892 \setlength{\fboxsep}{1pt}
4893 \xepersian@thirdTitle{#1}
4894
4895 \vspace*{5pt}
4896
4897 \xepersian@thirdSubtitle{#2}
4898
4899 \vspace*{5pt}
4900
4901 {\noindent\ignorespaces %
4902 \ifthenelse{\equal{#4}{}}{}{}}
4903
4904 \xepersian@thirdText{\timestamp{#6}~#3}
4905
4906 }
4907
4908 \vspace*{5pt}
4909
4910 \end{textblock}
4911 }{%else
4912 \ClassError{xepersian-magazine}{%
4913 \protect\thirdarticle\space in a wrong place.\MessageBreak
4914 \protect\thirdarticle\space may only appear inside frontpage environment.
4915 }{%
4916 \protect\thirdarticle\space may only appear inside frontpage environment.
4917 }%
4918 }
4919 }
4920 \newcommand{\firstimage}[2]
4921 {
4922 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4923 \begin{textblock}{18}(2,5)
4924 \setlength{\fboxsep}{1pt}
4925 \ifxetex % only in PDF

```



```

4926 \noindent\fbbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4927 \fi
4928
4929 \xepersian@pictureCaption{#2}
4930 \end{textblock}%
4931 }
4932 {\ClassError{xepersian-magazine}{%
4933 \protect\firstimage\space in a wrong place.\MessageBreak
4934 \protect\firstimage\space may only appear inside frontpage environment.
4935 }{%
4936 \protect\firstimage\space may only appear inside frontpage environment.
4937 }}
4938 }%
4939 \newcommand{\weatheritem}[5]{%
4940 \ifthenelse{\boolean{xepersian@insideweather}}{
4941 \begin{minipage}{45pt}
4942 \ifxetex
4943 \includegraphics[width=40pt]{#1}
4944 \fi
4945 \end{minipage}
4946 \begin{minipage}{50pt}
4947 \weatherTempFormat
4948 #2\\
4949 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4950 #5
4951 \end{minipage}
4952 }{%else
4953 \ClassError{xepersian-magazine}{%
4954 \protect\weatheritem\space in a wrong place.\MessageBreak
4955 \protect\weatheritem\space may only appear inside weatherblock environment.
4956 }{%
4957 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4958 weatherblock environment may only appear inside frontpage environment.
4959 }%
4960 }
4961 }
4962 \newenvironment{weatherblock}[1]
4963 {
4964 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4965 \setboolean{xepersian@insideweather}{true}
4966 \begin{textblock}{32}(2,38)
4967 \vspace*{-15pt}
4968
4969 \xepersian@weather{\beginR#1\endR}
4970
4971 \vspace*{5pt}
4972
4973 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4974 \begin{minipage}{32\TPHorizModule}
4975 \hspace{5pt}
4976
4977 }{%
4978 \ClassError{xepersian-magazine}{%
4979 weatherblock in a wrong place.\MessageBreak

```



```

4980 weatherblock may only appear inside frontpage environment.
4981 }{%
4982 weatherblock may only appear inside frontpage environment.
4983 }
4984 }
4985 }%
4986 {
4987 \end{minipage}
4988 \end{xepersian@fmpage}
4989 \end{textblock}
4990 \setboolean{xepersian@insideweather}{false}
4991 }
4992 \newenvironment{authorblock}[0]
4993 {
4994 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4995 \begin{textblock}{15}(36,35)
4996 \setlength{\fboxsep}{5pt}
4997 \begin{xepersian@fmpage}{13\TPHorizModule}
4998 \begin{minipage}{13\TPHorizModule}
4999 \centering
5000 \minilogo
5001
5002 }{%else
5003 \ClassError{xepersian-magazine}{%
5004 authorblock in a wrong place.\MessageBreak
5005 authorblock may only appear inside frontpage environment.
5006 }{%
5007 authorblock may only appear inside frontpage environment.
5008 }
5009 }
5010 }
5011 {
5012 \end{minipage}
5013 \end{xepersian@fmpage}
5014 \end{textblock}
5015 }
5016 \newenvironment{indexblock}[1]
5017 {
5018 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5019 \setboolean{xepersian@insideindex}{true}%let's in
5020 \begin{textblock}{15}(36,16)
5021 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5022 \xepersian@indexFrameTitle{#1}
5023
5024 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5025 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5026 \begin{minipage}{\xepersian@indexwidth}
5027 \vspace*{10pt}
5028 }{%else
5029 \ClassError{xepersian-magazine}{%
5030 indexblock in a wrong place.\MessageBreak
5031 indexblock may only appear inside frontpage environment.
5032 }{%
5033 indexblock may only appear inside frontpage environment.

```



```

5034 }
5035 }
5036 }%
5037 {
5038 \end{minipage}
5039 \end{xepersian@fmpage}
5040 \end{textblock}
5041 \setboolean{xepersian@insideindex}{false}%let's out
5042 }
5043 \newcommand{\indexitem}[2]
5044 {
5045 \ifthenelse{\boolean{xepersian@insideindex}}{
5046 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5047
5048 \vspace{0.5cm}
5049
5050 \noindent\ignorespaces\indexEntrySeparator{
5051 }{%else
5052 \ClassError{xepersian-magazine}{%
5053 \protect\indexitem\space in a wrong place.\MessageBreak
5054 \protect\indexitem\space may only appear inside indexblock environment.
5055 }{%
5056 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5057 indexblock environment may only appear inside frontpage environment.
5058 }%
5059 }
5060 }
5061 \newcommand{\xepersian@inexpandedtitle}[1]{
5062 \begin{minipage}{.95\textwidth}
5063 \begin{center}
5064 \noindent\Large\textbf{\beginR#1\endR}
5065 \end{center}
5066 \end{minipage}
5067 }
5068 \newcommand{\expandedtitle}[2]{
5069 \end{multicols}
5070
5071 \begin{center}
5072 \setlength{\fboxsep}{5pt}
5073 \setlength{\shadowsize}{2pt}
5074 \ifthenelse{\equal{#1}{shadowbox}}{%
5075 \shadowbox{%
5076 \xepersian@inexpandedtitle{#2}%
5077 }%
5078 }{
5079 \ifthenelse{\equal{#1}{doublebox}}{%
5080 \doublebox{%
5081 \xepersian@inexpandedtitle{#2}%
5082 }%
5083 }{
5084 \ifthenelse{\equal{#1}{ovalbox}}{%
5085 \ovalbox{%
5086 \xepersian@inexpandedtitle{#2}%
5087 }%

```



```

5088 }{}
5089 \ifthenelse{\equal{#1}{Ovalbox}}{%
5090 \Ovalbox{%
5091 \xepersian@inexpandedtitle{#2}%
5092 }%
5093 }{}
5094 \ifthenelse{\equal{#1}{lines}}{
5095 \hrule
5096 \vspace*{8pt}
5097 \begin{center}
5098 \noindent\Large\textbf{#2}
5099 \end{center}
5100 \vspace*{8pt}
5101 \hrule
5102 }{}
5103 \end{center}
5104
5105 \begin{multicols}{\xepersian@ncolumns}}
5106 \ifnum \xepersian@ncolumns > \minraggedcols
5107 \raggedFormat
5108 \fi
5109 }
5110 \newcommand{\xepersian@incolumntitle}[2]{
5111 \begin{minipage}{#1}
5112 \begin{center}
5113 \noindent\normalsize\textbf{#2}
5114 \end{center}
5115 \end{minipage}
5116 }
5117
5118 \newcommand{\columntitle}[2]{
5119 \vspace*{5pt}
5120 \begin{center}
5121 \setlength{\fboxsep}{5pt}
5122 \setlength{\shadowsize}{2pt}
5123 \addtolength{\xepersian@coltitsize}{\columnwidth}
5124 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5125 \addtolength{\xepersian@coltitsize}{-5pt}
5126 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5127 \ifthenelse{\equal{#1}{shadowbox}}{%
5128 \shadowbox{%
5129 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5130 }%
5131 }{}
5132 \ifthenelse{\equal{#1}{doublebox}}{%
5133 \doublebox{%
5134 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5135 }%
5136 }{}
5137 \ifthenelse{\equal{#1}{ovalbox}}{%
5138 \ovalbox{%
5139 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5140 }%
5141 }{}

```



```

5142 \ifthenelse{\equal{#1}{Ovalbox}}{%
5143 \Ovalbox{%
5144 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5145 }%
5146 }{}
5147 \ifthenelse{\equal{#1}{lines}}{
5148 \hrule
5149 \vspace*{5pt}
5150 \begin{center}
5151 \noindent\normalsize\textbf{#2}
5152 \end{center}
5153 \vspace*{5pt}
5154 \hrule
5155 }{}
5156 \end{center}
5157 }
5158 \renewcommand{\date}{%
5159 \longdate{\today}%
5160 }
5161 \newcommand{\authorandplace}[2]{%
5162 \rightline{%
5163 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
5164 }%
5165 \par %
5166 }
5167 \newcommand{\newsection}[1]{
5168 \renewcommand{\xepersian@section}{#1}
5169 }
5170 \newenvironment{article}[5]
5171 {
5172 \xepersian@say{Adding a new piece of article}
5173 \renewcommand{\xepersian@ncolumns}{#1}
5174 \begin{multicols}{#1}[
5175 \xepersian@pages{#4}
5176 \xepersian@innerTitle{#2}%
5177 \xepersian@innerSubtitle{#3}%
5178 ] [4cm]%
5179 \label{#5}
5180 \ifnum #1 > \minraggedcols
5181 \raggedFormat
5182 \fi
5183 }
5184 {\sim\innerTextFinalMark{}
5185 \end{multicols}
5186 }
5187 \newcommand{\articlesep}{%
5188 \setlength{\xepersian@pageneed}{16000pt}
5189 \setlength\xepersian@pageleft{\pagegoal}
5190 \addtolength\xepersian@pageleft{-\pagetotal}
5191 }
5192 \xepersian@say{How much left \the\xepersian@pageleft}
5193 }
5194 \ifdim \xepersian@pageneed < \xepersian@pageleft
5195 \xepersian@say{Not enough space}

```



```

5196 \else
5197 \xepersian@say{Adding sep line between articles}
5198 \vspace*{10pt plus 10pt minus 5pt}
5199 \hrule
5200 \vspace*{10pt plus 5pt minus 5pt}
5201 \fi
5202
5203 }
5204 \newcommand{\xepersian@editorialTit}[2]{
5205 \setlength{\arrayrulewidth}{.1pt}
5206 \begin{center}
5207 \begin{tabular}{c}
5208 \noindent
5209 \xepersian@editorialTitle{#1}
5210 \vspace{2pt plus 1pt minus 1pt}
5211 \\
5212 \hline
5213 \vspace{2pt plus 1pt minus 1pt}
5214 \\
5215 \editorialAuthorFormat{#2}
5216 \end{tabular}
5217 \end{center}
5218 }
5219 \newenvironment{editorial}[4]
5220 {
5221 \xepersian@say{Adding a new editorial}
5222 \begin{multicols}{#1}[%
5223 \xepersian@editorialTit{#2}{#3}%
5224 ] [4cm]
5225 \label{#4}
5226 \ifnum #1 > \minraggedcols
5227 \raggedFormat
5228 \fi
5229 }
5230 {
5231 \end{multicols}
5232 }
5233 \newcommand{\xepersian@shortarticleTit}[2]{
5234 \begin{center}
5235 \vbox{%
5236 \noindent
5237 \xepersian@shortarticleTitle{#1}
5238 \vspace{4pt plus 2pt minus 2pt}
5239 \hrule
5240 \vspace{4pt plus 2pt minus 2pt}
5241 \xepersian@shortarticleSubtitle{#2}
5242 }
5243 \end{center}
5244 }
5245 \newenvironment{shortarticle}[4]
5246 {
5247 \xepersian@say{Adding a short article block}
5248 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5249 \label{#4}

```



```

5250 \par %
5251 \ifnum #1 > \minraggedcols
5252 \raggedFormat
5253 \fi
5254 }
5255 {
5256 \end{multicols}
5257 }
5258 \newcommand{\shortarticleitem}[2]{
5259 \goodbreak
5260 \vspace{5pt plus 3pt minus 3pt}
5261 {\vbox{\noindent\expersian@shortarticleItemTitle{#1}}}
5262 \vspace{5pt plus 3pt minus 3pt}
5263 {\noindent #2}\}
5264 }

```

61 File xepersian-mathdigitsspec.sty

```

5265 \NeedsTeXFormat{LaTeX2e}
5266 \ProvidesPackage{xepersian-mathdigitsspec}
5267 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5268 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5269 \let\newfam\new@mathgroup
5270 \def\select@group#1#2#3#4{%
5271 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5272 {%
5273 \ifmmode
5274 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5275 \begingroup
5276 \escapechar\m@ne
5277 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5278 \globaldefs\@ne \math@fonts
5279 \endgroup
5280 \init@restore@version
5281 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5282 {\number\csname c@mv@\math@version\endcsname}}%
5283 \global\advance\csname c@mv@\math@version\endcsname\@ne
5284 \else
5285 \let#1\relax
5286 \@latex@error{Too many math alphabets used in
5287 version \math@version}%
5288 \@eha
5289 \fi
5290 \else \expandafter\non@alpherr\fi
5291 #1{#4}%
5292 }%
5293 }
5294 \def\document@select@group#1#2#3#4{%
5295 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5296 {%
5297 \ifmmode
5298 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5299 \begingroup
5300 \escapechar\m@ne

```




```

5301     \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
5302     \globaldefs\@ne \math@fonts
5303   \endgroup
5304   \expandafter\extract@alph@from@version
5305     \csname mv@math@version\expandafter\endcsname
5306     \expandafter{\number\csname
5307       c@mv@math@version\endcsname}%
5308     #1%
5309   \global\advance\csname c@mv@math@version\endcsname\@ne
5310   \else
5311     \let#1\relax
5312     \latex@error{Too many math alphabets used
5313       in version \math@version}%
5314     \@eha
5315   \fi
5316   \else \expandafter\non@alpherr\fi
5317   #1{#4}%
5318   }%
5319 }
5320 \ExplSyntaxOn
5321 \bool_set_false:N \g__fontspec_math_bool
5322 \tl_map_inline:nn
5323 {
5324   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5325   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5326   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5327   \version@list\version@elt\alpha@list\alpha@elt
5328   \restore@mathversion\init@restore@version\dorestore@version\process@table
5329   \new@mathversion\DeclareSymbolFont\group@list\group@elt
5330   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5331   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5332   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5333   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5334   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5335   \set@mathdelimiter\DeclareMathRadical\mathchar@type
5336   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5337 }
5338 {
5339   \tl_remove_once:Nn \@preamblecmds {\do#1}
5340 }
5341 \ExplSyntaxOff
5342 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5343 \newcommand\SetMathCode[4]{%
5344   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5345 \newcommand\SetMathCharDef[4]{%
5346   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5347 \ExplSyntaxOn
5348 \cs_new_eq:NN \orig_mathbf:n \mathbf
5349 \cs_new_eq:NN \orig_mathit:n \mathit
5350 \cs_new_eq:NN \orig_mathrm:n \mathrm
5351 \cs_new_eq:NN \orig_mathsf:n \mathsf
5352 \cs_new_eq:NN \orig_mathtt:n \mathtt
5353 %\int_const:Nn \c_one_int { 1 }
5354 \NewDocumentCommand \new@mathbf { m } {

```



```

5355 \orig_mathbf:n {
5356   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5357     \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5358   }
5359   #1
5360 }
5361 }
5362 \NewDocumentCommand \new@mathit { m } {
5363   \orig_mathit:n {
5364     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5365       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5366     }
5367     #1
5368   }
5369 }
5370 \NewDocumentCommand \new@mathrm { m } {
5371   \orig_mathrm:n {
5372     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5373       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5374     }
5375     #1
5376   }
5377 }
5378 \NewDocumentCommand \new@mathsf { m } {
5379   \orig_mathsf:n {
5380     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5381       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5382     }
5383     #1
5384   }
5385 }
5386 \NewDocumentCommand \new@mathtt { m } {
5387   \orig_mathtt:n {
5388     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5389       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5390     }
5391     #1
5392   }
5393 }
5394
5395 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigitsspec}
5396 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5397 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5398 \char_set_catcode_space:n {32}
5399 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5400 {
5401   The font "#1" does not contain U+#2.
5402 }
5403 {
5404   Select another font and rerun xelatex.
5405 }
5406 \char_set_catcode_ignore:n {32}
5407
5408 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D

```



```

5409 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5410 {
5411   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5412   \prg_return_true:
5413   \else:
5414     \prg_return_false:
5415   \fi:
5416 }
5417
5418 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5419
5420 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5421 {
5422   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5423   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5424     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5425   }
5426 }
5427
5428 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5429 {
5430   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5431   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5432     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5433   }
5434 }
5435
5436 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5437 {
5438   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5439   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5440     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5441   }
5442 }
5443
5444 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5445 {
5446   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5447     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5448     06F9 , 066A , 066B
5449   } { #1 }
5450 }
5451
5452 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5453 {
5454   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5455 }
5456 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5457 {
5458   \let\glb@currsize\relax
5459   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5460   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5461   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5462   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}

```



```

5463 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5464 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5465 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5466 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5467 \def\xpersianmathdigits{%
5468 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5469 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5470 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5471 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5472 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5473 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5474 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5475 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5476 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5477 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5478 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5479 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5480 \tl_set_eq:NN \mathbf \new@mathbf
5481 \tl_set_eq:NN \mathit \new@mathit
5482 \tl_set_eq:NN \mathrm \new@mathrm}
5483 }
5484
5485 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5486
5487 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5488 {
5489 \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5490 }
5491 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5492 {
5493 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5494 \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5495 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5496 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5497 \def\xpersianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5498 }
5499
5500 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5501
5502 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5503 {
5504 \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5505 }
5506 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5507 {
5508 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5509 \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5510 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5511 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5512 \def\xpersianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5513 }
5514
5515 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5516

```



```

5517 \ExplSyntaxOff
5518 \mathchardef\decimalseparator@point="013A
5519 {%
5520   \catcode`\.=\active
5521   \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5522 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}
5523 \def\decimalseparator@check#1#2{%
5524   \ifx\@let@token1\endgroup#1\else
5525     \ifx\@let@token2\endgroup#1\else
5526       \ifx\@let@token3\endgroup#1\else
5527         \ifx\@let@token4\endgroup#1\else
5528           \ifx\@let@token5\endgroup#1\else
5529             \ifx\@let@token6\endgroup#1\else
5530               \ifx\@let@token7\endgroup#1\else
5531                 \ifx\@let@token8\endgroup#1\else
5532                   \ifx\@let@token9\endgroup#1\else
5533                     \ifx\@let@token0\endgroup#1\else
5534                       \ifx\@let@token\dot\endgroup#1\else
5535                         \ifx\@let@token\overline\endgroup#1\else
5536                           \endgroup#2%
5537                         \fi
5538                       \fi
5539                     \fi
5540                   \fi
5541                 \fi
5542               \fi
5543             \fi
5544           \fi
5545         \fi
5546       \fi
5547     \fi
5548   \fi}
5549 \mathcode`.= "8000\relax
5550 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalseparator}
5551 \def\DefaultMathDecimalSeparator{.}
5552 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5553 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5554 \def\DefaultMathDigits{%
5555   \DefaultInlineMathDigits%
5556   \DefaultDisplayMathDigits%
5557 }
5558 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5559   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5560   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5561   \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5562 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5563   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5564   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5565   \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5566 \def\PersianMathDigits{%
5567   \PersianInlineMathDigits%
5568   \PersianDisplayMathDigits%
5569 }
5570 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%

```



```

5571 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5572 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5573 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5574 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5575 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5576 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5577 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5578 \def\AutoMathDigits{%
5579 \AutoInlineMathDigits%
5580 \AutoDisplayMathDigits%
5581 }
5582 \AutoMathDigits
5583 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5584 \let\SetDisplayMathDigits\relax%
5585 }
5586 \everydisplay\expandafter{%
5587 \the\everydisplay\SetDisplayMathDigits%
5588 \let\SetInlineMathDigits\relax%
5589 }
5590
5591 \ExplSyntaxOn
5592 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5593
5594 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5595 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5596 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5597 }
5598 \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5599 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5600 \tl_set_eq:NN \mathbf \orig_mathbf:n
5601 \tl_set_eq:NN \mathit \orig_mathit:n
5602 \tl_set_eq:NN \mathrm \orig_mathrm:n
5603 \tl_set_eq:NN \mathsf \orig_mathsf:n
5604 \tl_set_eq:NN \mathtt \orig_mathtt:n
5605 }
5606
5607 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5608 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5609 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5610 }
5611 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5612 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5613 \tl_set_eq:NN \mathbf \new@mathbf
5614 \tl_set_eq:NN \mathit \new@mathit
5615 \tl_set_eq:NN \mathrm \new@mathrm
5616 \tl_set_eq:NN \mathsf \new@mathsf
5617 \tl_set_eq:NN \mathtt \new@mathtt
5618 }
5619 \ExplSyntaxOff

```

62 File xepersian-multiplechoice.sty

```

5620 \NeedsTeXFormat{LaTeX2e}
5621 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2

```



```

5622 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5623 \RequirePackage{pifont}
5624 \RequirePackage{fullpage}
5625 \RequirePackage{ifthen}
5626 \RequirePackage{calc}
5627 \RequirePackage{verbatim}
5628 \RequirePackage{tabularx}
5629 \def\@headerfont{\bfseries}
5630 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5631 \def\@X{X}
5632 \newcommand\X[1]{\gdef\@X{#1}}
5633 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5634 \newcolumntype{D}{>{\pbs\centering}X}
5635 \newcolumntype{Q}{>{\@headerfont}X}
5636
5637 \renewcommand\tabularxcolumn[1]{m{#1}}
5638 \newcommand\makeform@nocorrection{%
5639 \addtocontents{frm}{\protect\end{tabularx}}
5640 \@starttoc{frm}}
5641 \newcommand\makeform@correction{%
5642 \addtocontents{frm}{\protect\end{tabularx}}}
5643 \newcommand\makemask@nocorrection{%
5644 \addtocontents{msk}{\protect\end{tabularx}}
5645 \@starttoc{msk}}
5646 \newcommand\makemask@correction{%
5647 \addtocontents{msk}{\protect\end{tabularx}}}
5648 \newlength\questionspace
5649 \setlength\questionspace{0pt}
5650 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5651 \def\@answerstitlefont{\bfseries}
5652 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5653 \def\@answernumberfont{\bfseries}
5654 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5655 \newcounter{question}\stepcounter{question}
5656 \newcounter{@choice}
5657 \def\@initorcheck{%
5658 \xdef\@choices{\the@choice}%
5659 \setcounter{@choice}{1}%
5660 \gdef\@arraydesc{|Q|}%
5661 \gdef\@headerline{}}
5662 \whiledo{\not{\value{@choice}>\@choices}}{
5663 \xdef\@arraydesc{\@arraydesc D}}
5664 \def\@appendheader{\g@addto@macro\@headerline}
5665 \@appendheader{&\protect\@headerfont}
5666 \edef\@the@choice{\alph{@choice}}
5667 \expandafter\@appendheader\@the@choice
5668 \stepcounter{@choice}}%
5669 \addtocontents{frm}{%
5670 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5671 \protect\hline
5672 \@headerline\protect\\\protect\hline\protect\hline}%
5673 \addtocontents{msk}{%
5674 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5675 \protect\hline

```



```

5676 \headerline\protect\\protect\hline\protect\hline}%
5677 \gdef\@initorcheck{%
5678 \ifthenelse{\value{@choice} = \@choices}{\}%
5679 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5680 (\the@choice\space instead of \@choices)}{\%
5681 Questions must all have the same number of proposed answers.%
5682 \MessageBreak
5683 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5684 \newenvironment{question}[1]{%
5685 %% \begin{question}
5686 \begin{minipage}{\textwidth}
5687 \xdef\@formanswerline{\@questionheader}%
5688 \xdef\@maskanswerline{\@questionheader}%
5689 \fbox{\parbox[c]{\linewidth}{\#1}}
5690 \vspace\questionspace\par
5691 {\@answerstitlefont\@answerstitle}
5692 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}{\%
5693 %% \end{question}
5694 \end{list}
5695 \@initorcheck%
5696 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5697 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5698 \end{minipage}
5699 \stepcounter{question}}
5700 \def\@truesymbol{\ding{52}~}
5701 \def\@falsesymbol{\ding{56}~}
5702 \newcommand\truesymbol[1]{\gdef\@truesymbol{\#1}}
5703 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{\#1}}
5704 \def\@true@nocorrection{\item}
5705 \def\@false@nocorrection{\item}
5706 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5707 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5708 \newcommand\true{%
5709 \xdef\@formanswerline{\@formanswerline\&}%
5710 \xdef\@maskanswerline{\@maskanswerline\&X}%
5711 \@true}%
5712 \newcommand>false{%
5713 \xdef\@formanswerline{\@formanswerline\&}%
5714 \xdef\@maskanswerline{\@maskanswerline\&}%
5715 \@false}%
5716 \def\@correctionstyle{\itshape}
5717 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{\#1}}
5718 \newenvironment@correction{\@correctionstyle}{\@correctionstyle}{\%
5719 \def\@questionheader{\thequestion}
5720 \answerstitle{\%
5721 \DeclareOption{nocorrection}{\%
5722 \let\@true\@true@nocorrection
5723 \let\@false\@false@nocorrection
5724 \let\correction\comment
5725 \let\endcorrection\endcomment
5726 \def\makeform{\makeform@nocorrection}
5727 \def\makemask{\makemask@nocorrection}}
5728 \DeclareOption{correction}{\%
5729 \let\@true\@true@correction

```




```

5730 \let\@false\@false@correction
5731 \let\correction\@correction
5732 \let\endcorrection\end@correction
5733 \def\makeform{\makeform@correction}
5734 \def\makemask{\makemask@correction}
5735 \ExecuteOptions{nocorrection}
5736 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5737 \def\@questiontitlefont{\bfseries}
5738 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5739 \newlength\questiontitlespace
5740 \setlength\questiontitlespace{5pt}
5741 \newlength\questionsepspace
5742 \setlength\questionsepspace{20pt}
5743 \gdef\@questionsepspace{0pt}
5744 \let\old@question\question
5745 \let\old@endquestion\endquestion
5746 \renewenvironment{question}[1]{%
5747 %% \begin{question}
5748 \vspace\@questionsepspace
5749 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5750 \nopagebreak\vspace\questiontitlespace\par
5751 \old@question{#1}}{%
5752 %% \end{question}
5753 \old@endquestion
5754 \gdef\@questionsepspace{\questionsepspace}}
5755 \questiontitle{ \thequestion:}
5756 \ProcessOptions

```

63 File xepersian-persiancal.sty

```

5757 \NeedsTeXFormat{LaTeX2e}
5758 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5759
5760 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5761 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5762 \newcount\XePersian@latini \newcount\XePersian@persiani
5763 \newcount\XePersian@latinii \newcount\XePersian@persianii
5764 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5765 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5766 \newcount\XePersian@latinv \newcount\XePersian@persianv
5767 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5768 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5769 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5770 \newcount\XePersian@latinix \newcount\XePersian@persianix
5771 \newcount\XePersian@latinx \newcount\XePersian@persianx
5772 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5773 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5774 \newcount\XePersian@persianxiii
5775
5776 \newcount\XePersian@temp
5777 \newcount\XePersian@temptwo
5778 \newcount\XePersian@temptthree
5779 \newcount\XePersian@yModHundred
5780 \newcount\XePersian@thirtytwo

```



```

5781 \newcount\XePersian@dn
5782 \newcount\XePersian@sn
5783 \newcount\XePersian@mminusone
5784
5785
5786 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5787 \XePersian@temp=\XePersian@y
5788 \divide\XePersian@temp by 100\relax
5789 \multiply\XePersian@temp by 100\relax
5790 \XePersian@yModHundred=\XePersian@y
5791 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5792 \ifodd\XePersian@yModHundred
5793   \XePersian@leapfalse
5794 \else
5795   \XePersian@temp=\XePersian@yModHundred
5796   \divide\XePersian@temp by 2\relax
5797   \ifodd\XePersian@temp\XePersian@leapfalse
5798   \else
5799     \ifnum\XePersian@yModHundred=0%
5800       \XePersian@temp=\XePersian@y
5801       \divide\XePersian@temp by 400\relax
5802       \multiply\XePersian@temp by 400\relax
5803       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5804     \else\XePersian@leaptrue
5805     \fi
5806   \fi
5807 \fi
5808 \XePersian@latini=31\relax
5809 \ifXePersian@leap
5810   \XePersian@latinii = 29\relax
5811 \else
5812   \XePersian@latinii = 28\relax
5813 \fi
5814 \XePersian@latiniii = 31\relax
5815 \XePersian@latiniv = 30\relax
5816 \XePersian@latinv = 31\relax
5817 \XePersian@latinvi = 30\relax
5818 \XePersian@latinvii = 31\relax
5819 \XePersian@latinviii = 31\relax
5820 \XePersian@latinix = 30\relax
5821 \XePersian@latinx = 31\relax
5822 \XePersian@latinxi = 30\relax
5823 \XePersian@latinxii = 31\relax
5824 \XePersian@thirtytwo=32\relax
5825 \XePersian@temp=\XePersian@y
5826 \advance\XePersian@temp by -17\relax
5827 \XePersian@temptwo=\XePersian@temp
5828 \divide\XePersian@temptwo by 33\relax
5829 \multiply\XePersian@temptwo by 33\relax
5830 \advance\XePersian@temp by -\XePersian@temptwo
5831 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5832 \else
5833   \XePersian@temptwo=\XePersian@temp
5834   \divide\XePersian@temptwo by 4\relax

```



```

5835 \multiply\XePersian@temptwo by 4\relax
5836 \advance\XePersian@temp by -\XePersian@temptwo
5837 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5838 \fi
5839 \XePersian@tempthree=\XePersian@ % Number of Leap years
5840 \advance\XePersian@tempthree by -1
5841 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5842 \divide\XePersian@temp by 4\relax
5843 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5844 \divide\XePersian@temptwo by 100\relax
5845 \advance\XePersian@temp by -\XePersian@temptwo
5846 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5847 \divide\XePersian@temptwo by 400\relax
5848 \advance\XePersian@temp by \XePersian@temptwo
5849 \advance\XePersian@tempthree by -611 % Number of Kabise years
5850 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5851 \divide\XePersian@temptwo by 33\relax
5852 \multiply\XePersian@temptwo by 8\relax
5853 \advance\XePersian@temp by -\XePersian@temptwo
5854 \XePersian@temptwo=\XePersian@tempthree %
5855 \divide\XePersian@temptwo by 33\relax
5856 \multiply\XePersian@temptwo by 33\relax
5857 \advance\XePersian@tempthree by -\XePersian@temptwo
5858 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5859 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5860 \advance\XePersian@temp by -\XePersian@tempthree
5861 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5862 \XePersian@persiani=31
5863 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5864 \XePersian@persianii = 30\relax
5865 \ifXePersian@kabiseh
5866 \XePersian@persianiii = 30\relax
5867 \else
5868 \XePersian@persianiii = 29\relax
5869 \fi
5870 \XePersian@persianiv = 31\relax
5871 \XePersian@persianv = 31\relax
5872 \XePersian@persianvi = 31\relax
5873 \XePersian@persianvii = 31\relax
5874 \XePersian@persianviii = 31\relax
5875 \XePersian@persianix = 31\relax
5876 \XePersian@persianx = 30\relax
5877 \XePersian@persianxi = 30\relax
5878 \XePersian@persianxii = 30\relax
5879 \XePersian@persianxiii = 30\relax
5880 \XePersian@dn= 0\relax
5881 \XePersian@sn= 0\relax
5882 \XePersian@mminusone=\XePersian@m
5883 \advance\XePersian@mminusone by -1\relax
5884 \XePersian@i=0\relax
5885 \ifnum\XePersian@i < \XePersian@mminusone
5886 \loop
5887 \advance \XePersian@i by 1\relax
5888 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname

```



```

5889 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5890 \fi
5891 \advance \XePersian@dn by \XePersian@d
5892 \XePersian@i=1\relax
5893 \XePersian@sn = \XePersian@persiani
5894 \ifnum \XePersian@sn<\XePersian@dn
5895 \loop
5896 \advance \XePersian@i by 1\relax
5897 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5898 \ifnum \XePersian@sn<\XePersian@dn \repeat
5899 \fi
5900 \ifnum \XePersian@i < 4
5901 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5902 \advance \XePersian@y by -622\relax
5903 \else
5904 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5905 \advance \XePersian@y by -621\relax
5906 \fi
5907 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5908 \endcsname
5909 \ifnum\XePersian@i = 1
5910 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5911 \else
5912 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5913 \fi
5914 \newcommand*{\persiantoday}{\%
5915 \number\XePersian@d\space%
5916 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5917 }
5918 \let\persianyear\XePersian@y
5919 \let\persianmonth\XePersian@m
5920 \let\persianday\XePersian@d
5921 \def\XePersian@persian@month#1{\ifcase#1\or or\
5922 or\
5923 or\ or\
5924 or\
5925 or\ or\
5926 or\ or\
5927 or\ or\
5928 \fi\

```



Index

Symbols	
\!	2354
\%	2495, 2497, 5478, 5598, 5611
\.	5520
\@and	3740
\@math	166
\@maybeautodot	2623, 2624, 2642, 2679, 2680, 2698, 2731, 2732, 2750
\@par	1881
\@textdigitfont@onfalse	3438
\@textdigitfont@ontrue	3437
\@Abjad	1209, 3749, 3757, 3758, 4232, 4233
\@Alph	2636, 2692, 2744, 4015, 4018, 4228, 4233
\@DeclareMathDelimiter	5334
\@DeclareMathSizes	5325
\@False	154, 156
\@Kashida@onfalse	1612
\@Kashida@ontrue	1611
\@LTRfootnotetext	1911
\@LTRmarginparreset	3369
\@Latincitex	73, 74, 2145, 2154, 2344, 3377, 3378
\@M	170, 3791, 3892, 3987
\@Mi	166
\@Mii	1804
\@Miii	1806
\@RTL@footnotefalse	3344, 3364, 4165
\@RTL@footnotettrue	3354, 3365, 4163
\@RTLfalse	136, 148, 161, 4118, 4125, 4147
\@RTLfootnotetext	1912
\@RTLtabfalse	4133
\@RTLtabtrue	4131
\@RTLtrue	4116, 4123, 4145
\@Roman	2638, 2694, 2746
\@SepMark	1740
\@SetTab	2771
\@True	149, 155
\@X	5631, 5632, 5710
\@abjad	1210, 3976, 3995, 3996, 4227, 4228
\@acol	2036, 2044
\@acolampacol	2034, 2036, 2042, 2044
\@adadi	1207, 2634, 2690, 2742, 3765, 3767, 3770
\@addamp	2035, 2043
\@addtopreamble	2003
\@alph	2637, 2693, 2745, 2772, 4014, 4017, 4227, 4232
\@ampacol	2034, 2042
\@answernumberfont	5653, 5654, 5692
\@answerstyle	5650, 5691
\@answerstylefont	5651, 5652, 5691
\@appendheader	5664, 5665, 5667
\@arrayclassz	2034
\@arraydesc	5660, 5663, 5670, 5674
\@arrayrule	1982, 1983, 1984, 2026, 2027, 2028
\@author	4672, 4684
\@autodottrue	2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748
\@auxout	3383, 4290, 4294
\@begin@tempboxa	1881
\@biblabel	2146, 2155
\@bibsetup	2147, 2156
\@bidi@inslogo@	4268, 4270
\@bidi@list@minipage@parbox@not@nobtrue	1878, 1900
\@bidi@list@minipage@parboxtrue	1879, 1901
\@bidi@logo	3708
\@bidi@logo@	3704, 4270
\@bidi@logo@hb@xt@columnwidth	3705
\@bidi@pdfcreator	3710
\@bidi@pdfm@markfalse	4277
\@bidi@pdfm@marktrue	4275
\@bidi@perpage@footnotefalse	

..... 4316
 \@bidi@perpage@footnotetrue ..
 4314
 \@bidityftesidenote@LTRmarginfont
 86
 \@bidityftesidenote@RTLmarginfont
 88
 \@bsphack 1803
 \@capttype .. 1791, 1854, 2101, 2111
 \@cclvi 5268, 5274, 5298
 \@chapapp .. 30, 102, 113, 120, 132,
 1285, 1297, 1746, 2568, 2575,
 2582, 2590, 2672, 2724
 \@chclass . 1916, 1924, 1932, 1947,
 1961, 1966, 1981, 1997, 2017,
 2025, 2055, 2078, 2092
 \@chnum 1918, 1919, 1920, 1921, 1922,
 1923, 1933, 1940, 1954, 1967,
 1974, 1990, 2003, 2019, 2020,
 2021, 2022, 2023, 2024, 2038,
 2046, 2056, 2063, 2085
 \@choices .. 5658, 5662, 5678, 5680
 \@cite 2133, 2140, 2152, 2168, 2257,
 3380
 \@cite@ofmt 3388
 \@citea 2173, 2187, 2201, 2210, 2211,
 2212, 2217, 2232, 2240, 2241,
 2242, 2276, 2292, 2310, 3379,
 3381
 \@citeb 2169, 2171, 2173, 2176, 2178,
 2179, 2181, 2204, 2235, 2258,
 2260, 2262, 2265, 2267, 2268,
 2270, 3380, 3382, 3383, 3384,
 3387, 3388
 \@citex 2144, 2153
 \@classx 2000
 \@classz 2000
 \@correction 5731
 \@correctionstyle 5716, 5717, 5718
 \@ctrerr 3756, 3761
 \@currbox . 1811, 1857, 1861, 2100,
 2104, 2110, 2114
 \@currentvir 2418, 2420, 2421, 2596,
 2651, 2703
 \@customlogo 4772, 4781
 \@custommagazinenamename . 4541, 4774
 \@customminilogo 4773, 4787
 \@customwwwTxt .. 4502, 4505, 4557
 \@date 4675, 4685
 \@dblfpbot 3700
 \@dblfpsep 3699
 \@dblfpstop 3698
 \@defaultunits 3475, 3479
 \@dgroup 148
 \@dmath 136, 165
 \@doendpe 2435
 \@dseries 161
 \@eha 5288, 5314
 \@empty 151, 1798, 2158, 2168, 2171,
 2257, 2260, 2389, 3379, 3382,
 3850, 3856, 3859, 3862, 3967,
 4270, 4683, 4684, 4685, 4686
 \@emptytoks 150
 \@enGroup 1199
 \@enLabel . 1190, 1191, 1192, 1193,
 1194, 1195, 1196, 1197
 \@enOther 1201
 \@enSpace 1198
 \@end@tempboxa 1896
 \@endpbox 2010, 2011
 \@endpetrue 3353, 3363
 \@enhook 1202
 \@enloop@ 1189
 \@entemp .. 1190, 1191, 1192, 1193,
 1194, 1195, 1196, 1197, 1198,
 1199, 1200
 \@enum@ 1200
 \@extra@b@citeb 2173, 2179, 2181,
 2204, 2235, 2262, 2268, 2270
 \@extrafootnotefeaturesfalse .
 4185
 \@extrafootnotefeaturestrue ..
 4183
 \@false 5715, 5723, 5730
 \@false@correction .. 5707, 5730
 \@false@nocorrection . 5705, 5723
 \@falsesymbol ... 5701, 5703, 5707
 \@firstampfalse 2036, 2044
 \@firstofone 1512, 1513, 2171, 2260,
 3382, 5271, 5295
 \@firstoftwo 2906, 2912, 2918
 \@float@HH 2097, 2098
 \@float@Hx 2096, 2097
 \@float@ 2097, 2108
 \@floatboxreset . 1867, 2106, 2116
 \@floatcapt 2101, 2111
 \@floatpenalty .. 1804, 1806, 1809
 \@flstylefalse 2103, 2113
 \@flstyletrue 2103, 2113
 \@fltovf 1859



<code>\@footnotetext</code>	1910		1968, 1969, 1970, 1972, 2017,
<code>\@for</code>	2169, 2258, 3380, 4078		2018, 2034, 2042, 2056, 2057,
<code>\@formanswerline</code>	5687, 5696, 5709,		2058, 2059, 2061
	5713		
<code>\@fpbot</code>	3697	<code>\@latex@error</code>	5286, 5312
<code>\@fps</code> ..	1792, 1793, 1795, 1798, 1815	<code>\@latex@warning</code>	3386
<code>\@fpsadddefault</code>	1796, 1799	<code>\@latinAlpha</code>	4015, 4018
<code>\@fpsep</code>	3696, 3699	<code>\@latinalph</code> ..	2772, 4014, 4017, 4020
<code>\@fptop</code>	3695, 3697, 3698, 3700	<code>\@let@token</code>	5521, 5524, 5525, 5526,
<code>\@freelist</code>	1811		5527, 5528, 5529, 5530, 5531,
<code>\@gobble</code>	1200		5532, 5533, 5534, 5535
<code>\@harfi</code>	12, 20, 31, 34, 43, 49, 55, 61,	<code>\@list@extra</code>	3584, 3591, 3600, 3607,
	103, 114, 121, 133, 1208, 1275,		3615, 3622, 3630, 3638, 3645,
	1286, 1298, 1534, 1747, 2569,		3654, 3658, 3663, 3667, 3672,
	2576, 2583, 2591, 2617, 2633,		3676, 3681
	2673, 2689, 2725, 2741, 3759,	<code>\@listI</code>	3498, 3593
	3762, 3763	<code>\@listdepth</code>	1913
<code>\@headerfont</code>	5629, 5630, 5635, 5665	<code>\@listi</code>	3498, 3515, 3532, 3587, 3593,
<code>\@headerline</code>	5661, 5664, 5672, 5676		3683
<code>\@ifclassloaded</code>	4049, 4052, 4053,	<code>\@listi@footnotesize</code> ..	3532, 3618
	4054, 4055, 4056, 4057, 4058,	<code>\@listi@small</code>	3515, 3603
	4059, 4060, 4061, 4062, 4063,	<code>\@listii</code>	3633
	4064, 4065, 4066, 4067, 4068,	<code>\@listiii</code>	3648
	4069, 4070, 4071, 4072, 4073,	<code>\@listiv</code>	3661
	4074, 4191, 4203, 4215	<code>\@listv</code>	3670
<code>\@ifdefinable</code>	2453, 2455	<code>\@listvi</code>	3679
<code>\@ifdefinitionfileloaded</code>	1788,	<code>\@m</code>	2150, 3381, 3790, 3891, 3985
	1931, 1964, 2054, 2095, 4030,	<code>\@mainmatterfalse</code> ..	97, 108, 126,
	4031		1279, 2647
<code>\@ifnextchar</code>	2097, 2338, 2344, 3377	<code>\@maskanswerline</code>	5688, 5697, 5710,
<code>\@ifnum</code>	2275, 2277, 2279, 2286, 2287,		5714
	2290, 2302, 2325, 2327	<code>\@memfront</code>	1738
<code>\@ifpackageloaded</code>	76, 1662, 1666,	<code>\@minipagefalse</code>	3374
	2347, 2351, 2443, 2451, 4032,	<code>\@minipagerestore</code>	1914
	4033, 4034, 4035, 4036, 4037,	<code>\@minipagetrue</code>	3373
	4038, 4039, 4040, 4041, 4042,	<code>\@minus</code>	3446, 3448, 3452, 3454, 3460,
	4043, 4044, 4045, 4046, 4047,		3462, 3466, 3468, 3642
	4048, 4049, 4050, 4051	<code>\@mpLTRfootnotetext</code>	1911
<code>\@ifstar</code>	2337	<code>\@mpRTLfootnotetext</code>	1912
<code>\@ifundefined</code>	72, 2173, 2179, 2262,	<code>\@mpargs</code>	1903
	2268, 3384	<code>\@mpfn</code>	1909
<code>\@ignoretrue</code>	172	<code>\@mpfootnotetext</code>	1910
<code>\@iiiminipage</code>	1897	<code>\@mplistdepth</code>	1913
<code>\@iiiparbox</code>	1875	<code>\@namedef</code> ..	2127, 2181, 2270, 2434
<code>\@indexfile</code>	4193, 4205, 4217	<code>\@ne</code> ..	1575, 1821, 1827, 1920, 1921,
<code>\@initorcheck</code> ...	5657, 5677, 5695		1924, 1933, 1943, 1944, 1948,
<code>\@inlabelfalse</code>	139		1967, 1977, 1978, 1982, 1983,
<code>\@input@</code>	4195, 4207, 4219		1984, 2021, 2022, 2026, 2027,
<code>\@lastchclass</code> ..	1916, 1917, 1933,		2028, 2056, 2066, 2067, 2079,
	1934, 1935, 1936, 1938, 1967,		2275, 2287, 2289, 2302, 2310,
			3331, 3332, 3424, 3777, 3818,



3825, 3837, 3842, 3878, 3919,
 3926, 3938, 3943, 4086, 4327,
 4328, 4329, 4330, 4331, 5278,
 5283, 5302, 5309
 \@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,
 3808, 3811, 3909, 3912
 \@nnil 3475, 3479, 3483, 3484
 \@nodocument 1790
 \@nonlatinfalse 3319, 4138
 \@nonlatintrue 3333, 4140
 \@onelevel@sanitize 1793
 \@parboxrestore 1866, 1881, 1908,
 2105, 2115
 \@parboxto 1884, 1893
 \@parmoderr 1809
 \@pboxswfalse 1877, 1899
 \@pboxswtrue 1891
 \@plus 3446, 3448, 3452, 3454, 3460,
 3462, 3466, 3468, 3642, 3695,
 3696
 \@ppsavesec 25
 \@preamble 2037, 2045
 \@preamblecmds 5339
 \@preamerr 1927, 1961, 1997, 2031,
 2092
 \@ptsize 3478
 \@questionheader 5687, 5688, 5719
 \@questionsepspace . 5743, 5748,
 5754
 \@questiontitle 5736, 5749
 \@questiontitlefont . 5737, 5738,
 5749
 \@resets@pp 24, 1518, 1519
 \@roman 2639, 2695, 2747
 \@safe@activesfalse .. 2172, 2261
 \@safe@activetrue .. 2170, 2259
 \@secondoftwo ... 2908, 2914, 2920
 \@setfontsize .. 3492, 3509, 3526,
 3537, 3543, 3549, 3555, 3561,
 3567, 3573, 4472, 4478, 4480,
 4483, 4490, 4496, 4497, 4498,
 4499, 4500
 \@setfypsbit 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 3724, 5640, 5645
 \@stop 2624, 2680, 2732
 \@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, 2564, 2571, 2578, 2586,
 2594, 2635, 2649, 2691, 2701,
 2743, 3871, 3873, 3876
 \@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, 3483, 3484
 \@tempb 3481, 3484, 3501, 3518, 3535,
 3541, 3547, 3553, 3559, 3565,
 3571
 \@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, 4077, 4080, 4086
 \@tempcntb 1854, 1855, 1856
 \@tempdima 1880, 1881, 1902, 1906,
 3474, 3475, 3476, 3480, 3482,
 3493, 3500, 3501, 3510, 3517,
 3518, 3527, 3534, 3535, 3538,
 3540, 3541, 3544, 3546, 3547,



3550, 3552, 3553, 3556, 3558,
 3559, 3562, 3564, 3565, 3568,
 3570, 3571, 3574
 \@tempdimb 1883, 1884, 3479, 3480,
 3486, 3487, 3489, 3493, 3501,
 3503, 3504, 3506, 3510, 3518,
 3520, 3521, 3523, 3527, 3535,
 3538, 3541, 3544, 3547, 3550,
 3553, 3556, 3559, 3562, 3565,
 3568, 3571, 3574, 3577, 3579,
 3581, 3595, 3597, 3610, 3612,
 3625, 3627, 3641, 3684, 3685,
 3687, 3689, 3691, 3696, 3701,
 4341, 4342
 \@tempdimc 3476, 3477, 3478, 3480,
 3481, 3482, 3500, 3517, 3534,
 3540, 3546, 3552, 3558, 3564,
 3570
 \@tempskipa 4345, 4346
 \@tempswafalse . 2302, 3377, 3582,
 3598, 3613, 3628, 3643, 3656,
 3665, 3674
 \@tempswatruue .. 2301, 3377, 3584,
 3600, 3615, 3630, 3645, 3658,
 3667, 3676
 \@temptokena 2375, 2382, 2387, 2393,
 2400, 2410, 2424
 \@testpach 1916, 1932, 1966, 2017,
 2055
 \@tfor 1814, 2459
 \@thanks 4677, 4683
 \@the@choice 5666, 5667
 \@title 4665, 4686
 \@true 5711, 5722, 5729
 \@true@correction ... 5706, 5729
 \@true@nocorrection .. 5704, 5722
 \@truesymbol 5700, 5702, 5706
 \@verbatim 2124, 2127, 2432, 2434,
 2445
 \@vobeyspaces 2124, 2432
 \@warning 2431
 \@x@xepersian@localize@verbatim
 2124
 \@xDeclareMathDelimiter .. 5334
 \@xepersian@@baselineskip@scale
 .. 3308, 3317, 3330, 3340
 \@xepersian@@computeautoilgfalse
 4284
 \@xepersian@@computeautoilgtrue
 4282
 \@xepersian@@fontsize@scale ..
 .. 3307, 3312, 3329, 3339
 \@xepersian@info 2874, 2899, 2901
 \@xepersian@pdfcustomproperties
 3714
 \@xfloat 1789, 2096, 2097
 \@xxDeclareMathDelimiter . 5333
 \@xxxii 1855
 @\ 1768, 1769
 @\ 1764, 1765, 1767
 @\ 2346
 \[..... 2354
 \[2121, 2354, 4633, 4948, 4949, 5211,
 5214, 5263, 5633, 5672, 5676,
 5696, 5697
 \{ 2120, 2354
 \} 2120, 2354
 \] 2354
 \^ 2355
 _ 2985, 2988, 3001, 3005, 3009, 3012,
 3024, 3046, 3050, 3051, 3058,
 3061, 3073, 3077, 3084, 3089,
 3092, 3108, 3113, 3116, 3163,
 3166, 3179, 3183, 3187, 3190,
 3203, 3207, 3211, 3214, 3227,
 3231, 3235, 3238, 3251, 3255,
 3259, 3262, 3275, 3279, 3283,
 3286, 3299, 3303, 5395, 5396,
 5399, 5408, 5409, 5420, 5424,
 5428, 5432, 5436, 5440, 5444,
 5446, 5454, 5456, 5460, 5466,
 5485, 5489, 5491, 5494, 5496,
 5500, 5504, 5506, 5509, 5511,
 5515
 \| 4949
 \~ 2355, 2495
 _ 1473, 1475, 3381, 3814, 3820, 3839,
 3845, 3915, 3921, 3940, 3950,
 4548, 4557
 A
 \abj@num@i 3981, 3998, 4005
 \abj@num@ii 3983, 4002, 4009
 \abj@num@iii 3985, 4006, 4012
 \abj@num@iv 3987, 4010
 \Abjad 1209, 1214, 3757
 \abjad 1210, 1215, 3995
 \abjad@zero 3997, 4001



<code>\Abjadnumeral</code>	3758	1680, 1681, 1682, 1683, 1684,
<code>\abjadnumeral</code>	3996	1685, 1686, 1687, 1688, 1689,
<code>\abovedisplayshortskip</code> ..	3487,	1690, 1691, 1692, 1693, 1694,
	3495, 3504, 3512, 3521, 3529,	1695, 1696, 1697, 1698, 1699,
	4475, 4476, 4486, 4487, 4493,	1700, 1701, 1702, 1703, 1704,
	4494	1705, 1706, 1707, 1708, 1709,
<code>\abovedisplayskip</code> ..	3485, 3490,	1710, 1711, 1712, 1713, 1714,
	3494, 3502, 3507, 3511, 3519,	1715, 1716, 1717, 1718, 1719,
	3524, 3528, 4473, 4474, 4484,	1720, 1721, 1722, 1723, 1724,
	4485, 4491, 4492	1725, 1726, 1727, 1728, 1729,
<code>\abstractname</code>	3737	1730
<code>\active</code>	2355, 5520	<code>\aliasfontfeatureoption</code> .
<code>\adadi</code> 1191, 1207, 1212, 2627, 2683,	2735, 3764	1731, 1732, 1733, 1734, 1735, 1736
<code>\adadinumeral</code>	3770	<code>\alloc@</code>
<code>\AddEnumerateCounter</code> 1206, 1207,	1208, 1209, 1210	5268
<code>\addfontfeature</code>	4306	<code>\Alph</code> . 1193, 1505, 1506, 2629, 2685,
<code>\addfontfeatures</code> ..	136, 148, 161	2737
<code>\addtocontents</code> .	5639, 5642, 5644,	<code>\alph</code> . 1194, 2630, 2686, 2738, 2779,
	5647, 5669, 5673, 5696, 5697	5666, 5692
<code>\addtolength</code> 3477, 4700, 4701, 4704,	5123, 5124, 5125, 5126, 5190	<code>\alpha@elt</code>
<code>\addtoversion</code>	5326	5327
<code>\adl@argarraydashrule</code> 1984, 2028		<code>\alpha@list</code>
<code>\adl@arraydashrule</code> ..	1983, 2027	5327
<code>\adl@arrayrule</code>	1982, 2026	<code>\anappendixtrue</code>
<code>\adl@box</code>	2008, 2010, 2011	1748
<code>\adl@class@iiiorvii</code> ..	2014, 2051	<code>\and</code>
<code>\adl@class@start</code>	2013, 2050	4690
<code>\adl@endmbox</code>	2009	<code>\answernumberfont</code>
<code>\adl@putlrc</code> 2005, 2006, 2007, 2039,	2040, 2041, 2047, 2048, 2049	5654
<code>\adl@startmbox</code>	2008	<code>\answerstyle</code>
<code>\advance</code> ..	1476, 1821, 1827, 1850,	5650, 5720
	1856, 2289, 3424, 3426, 4086,	<code>\answerstylefont</code>
	4464, 4468, 4736, 4739, 5283,	5652
	5309, 5791, 5826, 5830, 5836,	<code>\appendix</code>
	5840, 5845, 5848, 5849, 5853,	10, 17, 40, 46,
	5857, 5858, 5860, 5861, 5863,	52, 58, 99, 110, 117, 129, 1272,
	5883, 5887, 5888, 5891, 5896,	1282, 1294, 1502, 1503, 1532,
	5897, 5901, 5902, 5904, 5905,	1743, 2565, 2572, 2579, 2587,
	5907, 5910, 5912	2595, 2600, 2611, 2620, 2622,
<code>\aftergroup</code> 3584, 3600, 3615, 3630,	3645, 3658, 3667, 3676	2650, 2655, 2666, 2676, 2678,
<code>\ALG@name</code>	5, 7	2702, 2707, 2718, 2728, 2730
<code>\algorithmicensure</code>	3	<code>\appendixautorefname</code>
<code>\algorithmicrequire</code>	2	1491
<code>\ALGS@name</code>	6, 7	<code>\appendixname</code>
<code>\aliasfontfeature</code> ..	1678, 1679,	11, 19, 30,
	1680, 1681, 1682, 1683, 1684,	102, 113, 120, 132, 1285, 1297,
	1685, 1686, 1687, 1688, 1689,	1533, 1746, 2568, 2575, 2582,
	1690, 1691, 1692, 1693, 1694,	2590, 2672, 2724, 3734
	1695, 1696, 1697, 1698, 1699,	<code>\arabic</code>
	1700, 1701, 1702, 1703, 1704,	1197
	1705, 1706, 1707, 1708, 1709,	<code>\arrayrulewidth</code>
	1710, 1711, 1712, 1713, 1714,	5205
	1715, 1716, 1717, 1718, 1719,	<code>\articlesep</code>
	1720, 1721, 1722, 1723, 1724,	5187
	1725, 1726, 1727, 1728, 1729,	<code>\AtBeginDocument</code> .
	1730	71, 1501, 1628,
<code>\aliasfontfeatureoption</code> .	1731,	2127, 2334, 2439, 3728, 4268,
	1732, 1733, 1734, 1735, 1736	4462, 4466
<code>\alloc@</code>	5268	<code>\AtEndOfClass</code>
<code>\Alph</code> . 1193, 1505, 1506, 2629, 2685,	2737	4460
<code>\alph</code> . 1194, 2630, 2686, 2738, 2779,	5666, 5692	<code>\author</code>
<code>\alpha@elt</code>	5327	4688
<code>\alpha@list</code>	5327	<code>\authorandplace</code>
<code>\anappendixtrue</code>	1748	5161
<code>\and</code>	4690	<code>\AutoDisplayMathDigits</code> ..
<code>\answernumberfont</code>	5654	4108,
<code>\answerstyle</code>	5650, 5720	5574, 5580
<code>\answerstylefont</code>	5652	<code>\autofootnoterule</code>
<code>\appendix</code>	10, 17, 40, 46,	4151
	52, 58, 99, 110, 117, 129, 1272,	<code>\AutoInlineMathDigits</code> 4100, 5570,
	1282, 1294, 1502, 1503, 1532,	
	1743, 2565, 2572, 2579, 2587,	
	2595, 2600, 2611, 2620, 2622,	
	2650, 2655, 2666, 2676, 2678,	
	2702, 2707, 2718, 2728, 2730	
<code>\appendixautorefname</code>	1491	
<code>\appendixname</code>	11, 19, 30,	
	102, 113, 120, 132, 1285, 1297,	
	1533, 1746, 2568, 2575, 2582,	
	2590, 2672, 2724, 3734	
<code>\arabic</code>	1197	
<code>\arrayrulewidth</code>	5205	
<code>\articlesep</code>	5187	
<code>\AtBeginDocument</code> .	71, 1501, 1628,	
	2127, 2334, 2439, 3728, 4268,	
	4462, 4466	
<code>\AtEndOfClass</code>	4460	
<code>\author</code>	4688	
<code>\authorandplace</code>	5161	
<code>\AutoDisplayMathDigits</code> ..	4108,	
	5574, 5580	
<code>\autofootnoterule</code>	4151	
<code>\AutoInlineMathDigits</code> 4100, 5570,		



5579
\AutoMathDigits . 4092, 5578, 5582

B

\backrefpagesname 63
\baselineskip . . . 3427, 3430, 4378,
4380, 4382, 4385, 4386, 4388
\begin 2348, 2349, 2599, 2605, 2610,
2654, 2660, 2665, 2706, 2712,
2717, 3364, 3365, 3722, 4516,
4519, 4572, 4587, 4600, 4606,
4627, 4658, 4664, 4671, 4695,
4749, 4755, 4827, 4830, 4835,
4842, 4857, 4872, 4889, 4923,
4941, 4946, 4966, 4973, 4974,
4995, 4997, 4998, 5020, 5025,
5026, 5062, 5063, 5071, 5097,
5105, 5111, 5112, 5120, 5150,
5174, 5206, 5207, 5222, 5234,
5248, 5670, 5674, 5685, 5686,
5692, 5747
\beginingroup . 144, 2119, 2336, 2352,
2432, 2434, 2494, 2925, 2927,
3583, 3599, 3614, 3629, 3644,
3657, 3666, 3675, 5275, 5299,
5521
\beginL 3374, 4548, 4949
\beginR 4552, 4553, 4554, 4565, 4566,
4567, 4772, 4773, 4774, 4792,
4813, 4814, 4815, 4816, 4817,
4818, 4969, 5064
\belowdisplayshortskip . . 3488,
3497, 3505, 3514, 3522, 3531,
4476, 4487, 4494
\belowdisplayskip . . 3490, 3496,
3507, 3513, 3524, 3530, 4474,
4485, 4492
\bfseries . 2174, 2263, 3384, 3706,
4508, 4514, 4533, 4541, 4569,
4585, 4604, 4618, 4622, 4647,
4652, 4656, 4781, 4787, 5629,
5651, 5653, 5737
\bgroup 1199, 1864, 1904, 2105, 2115,
5271, 5295
\bibname 3741
\bid@@footnotetext@font . 1460
\bid@@LTRfootnotetext@font . .
. 1462
\bid@@RTLfootnotetext@font . .
. 1464

\bid@@thebibliography@font@hook
. 4021
\bid@AfterEndPreamble . . . 4025
\bid@appto 2762, 2766
\bid@AtEndPreamble 4304
\bid@column@status . . 4291, 4295
\bid@csdefcs 787, 1660
\bid@csletcs 482, 1660, 1664, 1665,
1668, 1669
\bid@digits@charclass . . 3025,
3026, 3027, 3028, 3029, 3030,
3032, 3033, 3034, 3035, 3036,
3037, 3038, 3039
\bid@firstcolumn@status@write
. 4289, 4297
\bid@font@@outputpage . . . 3390
\bid@isloaded . 1619, 1620, 1621,
1622, 1623, 1624, 1625, 1626,
1627, 1630, 1633, 1636, 1639,
1642, 1645, 1648, 1651, 1654
\bid@lastcolumn@status@write
. 4293, 4298
\bid@newrobustcmd . 3342, 3343,
3726
\bid@patchcmd . 4305, 4341, 4345,
4357, 4363, 4369, 4377
\bid@reflect@box 3727
\bid@sepmark@charclass . 3029,
3030
\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 5321
\boolean . . 4449, 4461, 4470, 4574,
4589, 4608, 4629, 4825, 4826,
4856, 4888, 4922, 4940, 4964,
4994, 5018, 5045
\box 150
\BR@Latincitex 64, 74



<code>\BRorg@Latincitex</code>	65, 73	<code>\ClassWarning</code> ..	2597, 2652, 2704, 4431, 4433, 4435, 4705, 4719
C			
<code>\C</code>	2356	<code>\cleardoubleoddpaper</code>	2646
<code>\c</code> 5353, 5356, 5364, 5372, 5380, 5388, 5595, 5608		<code>\cleardoublepage</code> 15, 96, 107, 125, 1278	
<code>\c@book</code>	1741	<code>\clearpage</code>	2646, 4809
<code>\c@chapter</code>	18, 20, 31, 103, 114, 121, 133, 1286, 1298, 1747, 2569, 2576, 2583, 2591, 2673, 2725	<code>\clist</code> 5418, 5422, 5423, 5430, 5431, 5438, 5439	
<code>\c@mpfootnote</code>	1909, 4020	<code>\closeout</code>	4193, 4205, 4217
<code>\c@part</code>	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1271, 1281, 1293, 1531, 1742, 2564, 2571, 2578, 2586, 2594, 2649, 2701	<code>\color@begingroup</code>	1905
<code>\c@section</code> 10, 12, 18, 34, 43, 49, 55, 61, 1275, 1532, 1534, 2617		<code>\color@vbox</code>	1862, 2104, 2114
<code>\c@subsection</code>	10, 1532	<code>\columnlines</code> 4405, 4406, 4438, 4767	
<code>\catcode</code> .. 1658, 2119, 2120, 2121, 2355, 5520		<code>\columnsep</code>	4701, 5124
<code>\ccname</code>	3743	<code>\columnseprule</code>	4767
<code>\cdp@elt</code>	5324	<code>\columntitle</code>	5118
<code>\cdp@list</code>	5324	<code>\columnwidth</code> 1865, 1907, 2105, 2115, 4700, 5123	
<code>\centering</code>	4711, 4999, 5634	<code>\comment</code>	5724
<code>\cftchapname</code>	2791	<code>\contentsname</code>	3722, 3731
<code>\cftfigname</code>	2797	<code>\copyright</code>	4557
<code>\cftparaname</code>	2795	<code>\correction</code>	5724, 5731
<code>\cftsecname</code>	2792	<code>\correctionstyle</code>	5717
<code>\cftsubfigname</code>	2798	<code>\count</code> 1857, 4735, 4736, 4738, 4739, 4748, 4754	
<code>\cftsubparaname</code>	2796	<code>\count@</code>	2001
<code>\cftsubsecname</code>	2793	<code>\cs</code> 2442, 2444, 2988, 3005, 3012, 3046, 3061, 3077, 3092, 3094, 3099, 3116, 3118, 3123, 3166, 3183, 3190, 3207, 3214, 3231, 3238, 3255, 3262, 3279, 3286, 3303, 5348, 5349, 5350, 5351, 5352, 5395, 5396, 5420, 5428, 5436, 5444, 5456, 5485, 5491, 5500, 5506, 5515, 5592	
<code>\cftsubsubsecname</code>	2794	<code>\csname</code> 1661, 1854, 1894, 2099, 2102, 2109, 2112, 2129, 2436, 2453, 2454, 2455, 2456, 2457, 2622, 2678, 2730, 2926, 2929, 2935, 2937, 3388, 3585, 3601, 3616, 3631, 3646, 3659, 3668, 3677, 3757, 3762, 3765, 3871, 3995, 4358, 4360, 4364, 4366, 4370, 4372, 5274, 5277, 5282, 5283, 5298, 5301, 5305, 5306, 5309, 5344, 5346, 5888, 5897, 5907	
<code>\cftsubtabname</code>	2800	<code>\currenttime</code>	4531
<code>\cfttabname</code>	2799	<code>\customlogo</code>	4772
<code>\chapterautorefname</code>	1492	<code>\custommagazinenname</code>	4774
<code>\chaptername</code>	19, 1300, 3742	<code>\customminilogo</code>	4773
<code>\char</code>	5398, 5406	<code>\customwwwTxt</code>	4502
<code>\chardef</code> .. 1554, 1555, 1556, 1558, 1559, 1560, 1561, 1562, 3396, 5268			
<code>\charlist</code> .. 1583, 1584, 1586, 1590			
<code>\citation</code>	3383		
<code>\citenumfont</code>	2313		
<code>\citeyear</code>	2135		
<code>\citeyearpar</code>	2135		
<code>\ClassError</code> 4846, 4878, 4912, 4932, 4953, 4978, 5003, 5029, 5052, 5679			



D

<code>\dollarbegin</code>	2005, 2006, 2007	1499, 1500, 1503, 1514, 1519,
<code>\dollarend</code>	2005, 2006, 2007	1532, 1534, 1564, 1583, 1585,
<code>\date</code>	4530, 4541, 4689, 5158	1586, 1591, 1616, 1617, 1751,
<code>\datename</code>	3739	1752, 1753, 1754, 1755, 1756,
<code>\day</code>	5786	1757, 1758, 1759, 1789, 1791,
<code>\dblfloatsep</code>	3693	1792, 1794, 1875, 1897, 1903,
<code>\dbltextfloatsep</code>	3694	1909, 1916, 1932, 1966, 2000,
<code>\decimalseparator@check</code> .	5522,	2013, 2014, 2017, 2034, 2042,
	5523	2050, 2051, 2055, 2097, 2098,
<code>\decimalseparator@point</code> .	5518,	2101, 2108, 2111, 2124, 2125,
	5522	2134, 2137, 2149, 2150, 2160,
<code>\decimalseparator@pointcheck</code> .		2163, 2176, 2191, 2221, 2253,
	5521, 5522	2257, 2282, 2344, 2358, 2362,
<code>\DeclareDocumentCommand</code> .	2983,	2364, 2365, 2368, 2374, 2376,
	3007, 3048, 3056, 3082, 3087,	2378, 2394, 2397, 2413, 2414,
	3106, 3111, 3161, 3185, 3209,	2417, 2430, 2432, 2435, 2452,
	3233, 3257, 3281, 5452, 5487,	2497, 2755, 2802, 2810, 2818,
	5502	2826, 2834, 2842, 2850, 2858,
<code>\DeclareMathAccent</code>	5332	2866, 2867, 2922, 2923, 2924,
<code>\DeclareMathAlphabet</code>	5331	2930, 2931, 2935, 3306, 3309,
<code>\DeclareMathDelimiter</code>	5333	3314, 3328, 3344, 3345, 3354,
<code>\DeclareMathRadical</code>	5335	3355, 3367, 3368, 3369, 3378,
<code>\DeclareMathSizes</code>	5324	3381, 3483, 3584, 3600, 3615,
<code>\DeclareMathSymbol</code>	5332	3630, 3645, 3658, 3667, 3676,
<code>\DeclareMathVersion</code>	5326	3729, 3730, 3731, 3732, 3733,
<code>\DeclareOption</code> .	4427, 4428, 4429,	3734, 3735, 3736, 3737, 3738,
	4430, 4432, 4434, 4436, 4437,	3739, 3740, 3741, 3742, 3743,
	4438, 4439, 4440, 5721, 5728	3744, 3745, 3746, 3747, 3749,
<code>\DeclareOptionX</code>	4236, 4242, 4246,	3757, 3759, 3762, 3771, 3776,
	4250, 4254, 4258, 4262	3785, 3811, 3824, 3835, 3849,
<code>\DeclareRobustCommand</code>	2335, 2992,	3855, 3858, 3861, 3865, 3877,
	3017, 3064, 3136, 3139, 3142,	3886, 3912, 3925, 3936, 3954,
	3145, 3148, 3151, 3170, 3194,	3959, 3966, 3976, 3995, 3997,
	3218, 3242, 3266, 3290, 3376	3998, 4002, 4006, 4010, 4016,
<code>\DeclareSymbolFont</code> .	5329, 5462,	4020, 4076, 4226, 4231, 4243,
	5463, 5464, 5465, 5495, 5510	4247, 4255, 4259, 4263, 4289,
<code>\DeclareSymbolFontAlphabet</code>	5336	4293, 4502, 4772, 4773, 4774,
<code>\DeclareSymbolFontAlphabet@</code> . .		5268, 5270, 5294, 5467, 5497,
	5336	5512, 5522, 5523, 5550, 5551,
<code>\DeclareTextFontCommand</code> .	3154,	5552, 5553, 5554, 5558, 5562,
	3155, 3156, 3157, 3158, 3159	5566, 5570, 5574, 5578, 5629,
<code>\def</code>	2, 3, 5, 6, 7, 10, 12,	5631, 5633, 5651, 5653, 5657,
	15, 17, 20, 63, 64, 77, 92, 136,	5664, 5700, 5701, 5704, 5705,
	148, 161, 168, 172, 1189, 1190,	5706, 5707, 5716, 5719, 5726,
	1191, 1192, 1193, 1194, 1195,	5727, 5733, 5734, 5737, 5921
	1196, 1197, 1468, 1470, 1472,	<code>\def@NAT@last@yr</code>
	1474, 1485, 1486, 1487, 1488,	2292, 2294
	1489, 1490, 1491, 1492, 1493,	<code>\DefaultDisplayMathDigits</code>
	1494, 1495, 1496, 1497, 1498,	4110,
		5553, 5556
		<code>\defaultfontfeatures</code>
		4237
		<code>\DefaultInlineMathDigits</code>
		4102,



5552, 5555
\DefaultMathDecimalSeparator .
..... 5551, 5599
\DefaultMathDigits .. 4094, 5554
\define@choicekey .. 4090, 4098,
4106, 4114, 4121, 4129, 4136,
4143, 4149, 4161, 4167, 4173,
4177, 4181, 4187, 4200, 4212,
4224, 4266, 4273, 4280, 4287,
4302, 4312
\define@key 2458
\define@mathalphabet 5326
\define@mathgroup 5326
\deflatinfont 3106
\defpersianfont 3082
\depth 2466, 2467
\DigitsDotDashInterCharToks ..
..... 3030
\dimexpr .. 1574, 3310, 3312, 3315,
3317, 3430, 3480, 3634, 3649,
3662, 3671, 3680, 4342, 4346,
4351, 4352, 4353
\ding 5700, 5701
\display@setup 137, 162
\divide 4741, 4742, 5788, 5796, 5801,
5828, 5834, 5842, 5844, 5847,
5851, 5855, 5859
\do 1816, 2169, 2258, 2459, 3380, 4078,
5339
\document@select@group ... 5294
\dorestore@version 5328
\dosetclass 1584, 1585, 1589
\dot 5534
\doublebox 5080, 5133
\dquad 170, 172
\dseries@display@setup ... 162

E
\e@alloc@intercharclass@top ..
..... 3025, 3026
\edef . 1884, 1939, 1973, 2037, 2045,
2062, 2171, 2260, 2420, 2874,
2900, 2929, 2932, 3382, 3478,
3481, 3491, 3508, 3525, 3536,
3542, 3548, 3554, 3560, 3566,
3572, 3587, 3603, 3618, 3633,
3648, 3661, 3670, 3679, 4081,
5666
\edition 4799
\editionFormat 4508, 4511

\editorialAuthorFormat .. 4651,
5215
\editorialTitleFormat 4649, 4650
\else 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,
1454, 1460, 1471, 1473, 1475,
1485, 1486, 1487, 1488, 1489,
1490, 1491, 1492, 1493, 1494,
1495, 1496, 1497, 1498, 1499,
1500, 1588, 1616, 1617, 1629,
1632, 1635, 1638, 1641, 1644,
1647, 1650, 1653, 1751, 1752,
1753, 1754, 1755, 1756, 1757,
1758, 1759, 1797, 1805, 1810,
1820, 1826, 1879, 1882, 1887,
1888, 1889, 1890, 1891, 1901,
1916, 1917, 1918, 1919, 1920,
1921, 1922, 1923, 1924, 1925,
1926, 1927, 1933, 1934, 1935,
1937, 1938, 1941, 1942, 1943,
1944, 1945, 1946, 1948, 1949,
1950, 1951, 1952, 1955, 1956,
1957, 1958, 1959, 1960, 1967,
1968, 1969, 1971, 1972, 1975,
1976, 1977, 1978, 1979, 1980,
1982, 1983, 1984, 1985, 1986,
1987, 1988, 1991, 1992, 1993,
1994, 1995, 1996, 2016, 2017,
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,	5642, 5644, 5647, 5693, 5694,
2467, 2468, 2625, 2646, 2681,	5698, 5752
2733, 2758, 2775, 2791, 2792,	\end@correction 5732
2793, 2794, 2795, 2796, 2797,	\endcomment 5725
2798, 2799, 2800, 2806, 2814,	\endcorrection 5725, 5732
2822, 2830, 2838, 2846, 2854,	\endcsname 1661, 1854, 1894, 2099,
2861, 2907, 2913, 2919, 2946,	2102, 2109, 2112, 2129, 2436,
3043, 3044, 3390, 3405, 3416,	2453, 2454, 2455, 2456, 2457,
3443, 3444, 3445, 3447, 3450,	2622, 2678, 2730, 2926, 2929,
3451, 3453, 3457, 3458, 3459,	2935, 2937, 3388, 3585, 3601,
3461, 3464, 3465, 3467, 3729,	3616, 3631, 3646, 3659, 3668,
3730, 3731, 3732, 3733, 3734,	3677, 3757, 3762, 3765, 3871,
3735, 3736, 3737, 3738, 3739,	3995, 4358, 4360, 4364, 4366,
3740, 3741, 3742, 3743, 3744,	4370, 4372, 5274, 5277, 5282,
3745, 3746, 3747, 3756, 3761,	5283, 5298, 5301, 5305, 5307,
3779, 3781, 3789, 3790, 3791,	5309, 5344, 5346, 5888, 5897,
3792, 3793, 3794, 3795, 3796,	5908
3814, 3829, 3843, 3856, 3859,	\endgroup . 2357, 2435, 2498, 2925,
3880, 3882, 3890, 3891, 3892,	2933, 3586, 3602, 3617, 3632,
3893, 3894, 3895, 3896, 3897,	3647, 3660, 3669, 3678, 5279,
3915, 3930, 3943, 3944, 3947,	5303, 5524, 5525, 5526, 5527,
3978, 3980, 3982, 3984, 3986,	5528, 5529, 5530, 5531, 5532,
4085, 4196, 4208, 4220, 4387,	5533, 5534, 5535, 5536
4718, 5196, 5271, 5284, 5290,	\endL 4548, 4949
5295, 5310, 5316, 5413, 5524,	\endlatin 3345, 3353
5525, 5526, 5527, 5528, 5529,	\endLTR 3345
5530, 5531, 5532, 5533, 5534,	\endMakeFramed 1479
5535, 5550, 5559, 5560, 5561,	\endmath 167
5563, 5564, 5565, 5571, 5572,	\endpersian 3355, 3363
5573, 5575, 5576, 5577, 5794,	\endquestion 5745
5798, 5803, 5804, 5811, 5832,	\endR . 4552, 4553, 4554, 4565, 4566,
5837, 5867, 5903, 5911	4567, 4772, 4773, 4774, 4792,
\empty 1587	4813, 4814, 4815, 4816, 4817,
\enclname 3744	4818, 4969, 5064
\encodingdefault 3000, 3072, 3178,	\endRTL 3355
3202, 3226, 3250, 3274, 3298	\ends@math 167
\end .. 1584, 1585, 1590, 1591, 2348,	\endtrivlist 2125, 2435
2349, 2420, 2431, 2599, 2603,	\end 2125, 2129, 2435, 2436
2607, 2609, 2654, 2658, 2662,	\ensuremath 2903
2664, 2706, 2710, 2714, 2716,	\eq@addpunct 172
3364, 3365, 3725, 4516, 4521,	\eq@group 140, 149
4578, 4592, 4602, 4611, 4634,	\eq@GRP@first@dmath 149
4673, 4676, 4679, 4696, 4751,	\eq@prelim 140, 157
4757, 4834, 4840, 4844, 4870,	\eq@setnumber 143
4876, 4910, 4930, 4945, 4951,	\eq@setup@a 145
4987, 4988, 4989, 5012, 5013,	\eq@startup 146
5014, 5038, 5039, 5040, 5065,	\eq@wdCond 164
5066, 5069, 5099, 5103, 5114,	\eqcommand 176,
5115, 5152, 5156, 5185, 5216,	177, 178, 179, 180, 181, 182,
5217, 5231, 5243, 5256, 5639,	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,
881, 882, 883, 884, 885, 886,
887, 888, 889, 890, 891, 892,
893, 894, 895, 896, 897, 898,
899, 900, 901, 902, 903, 904,
905, 906, 907, 908, 909, 910,
911, 912, 913, 914, 915, 916,
917, 918, 919, 920, 921, 922,
923, 924, 925, 926, 927, 928,
929, 930, 931, 932, 933, 934,
935, 936, 937, 938, 939, 940,
941, 942, 943, 944, 945, 946,
947, 948, 949, 950, 951, 952,
953, 954, 955, 956, 957, 958,
959, 960, 961, 962, 963, 964,
965, 966, 967, 968, 969, 970,
971, 972, 973, 974, 975, 976,
977, 978, 979, 980, 981, 982,
983, 984, 985, 986, 987, 988,
989, 990, 991, 992, 993, 994,
995, 996, 997, 998, 999, 1000,
1001, 1002, 1003, 1004, 1005,
1006, 1007, 1008, 1009, 1010,
1011, 1012, 1013, 1014, 1015,
1016, 1017, 1018, 1019, 1020,
1021, 1022, 1023, 1024, 1025,
1026, 1027, 1028, 1029, 1030,
1031, 1032, 1033, 1034, 1035,
1036, 1037, 1038, 1039, 1040,
1041, 1042, 1043, 1044, 1045,
1046, 1047, 1048, 1049, 1050,
1051, 1052, 1053, 1054, 1055,
1056, 1057, 1058, 1059, 1060,
1061, 1062, 1063, 1064, 1065,
1066, 1067, 1068, 1069, 1070,
1071, 1072, 1073, 1074, 1075,
1076, 1077, 1078, 1079, 1080,
1081, 1082, 1083, 1084, 1085,
1086, 1087, 1088, 1089, 1090,
1091, 1092, 1093, 1094, 1095,
1096, 1097, 1098, 1099, 1100,
1101, 1102, 1103, 1104, 1105,
1106, 1107, 1108, 1109, 1110,
1111, 1112, 1113, 1114, 1115,
1116, 1117, 1118, 1129, 1130,
1131, 1132, 1133, 1134, 1135,
1136, 1137, 1138, 1139, 1140,
1141, 1142, 1143, 1144, 1145,
1146, 1147, 1148, 1149, 1150,
1151, 1152, 1153, 1154, 1155,
1156, 1157, 1158, 1159, 1160,
1161, 1162, 1163, 1164, 1165,
1166, 1167, 1168, 1169, 1170,
1171, 1172, 1173, 1174, 1175,
1176, 1177, 1178, 1179, 1180,
1181, 1182, 1183, 1184, 1185,
1186, 1187, 1660
`\eqenvironment` . 1217, 1218, 1219,
1220, 1221, 1222, 1223, 1224,
1225, 1226, 1227, 1228, 1229,
1230, 1231, 1232, 1233, 1234,
1235, 1236, 1237, 1238, 1239,
1240, 1241, 1242, 1243, 1244,
1245, 1246, 1247, 1248, 1249,
1250, 1251, 1252, 1253, 1254,
1255, 1256, 1257, 1258, 1260,
1261, 1262, 1263, 1264, 1265,
1266, 1267, 1268, 1269, 1661
`\eqstyle` 142
`\equal` 4747, 4902, 5074, 5079, 5084,
5089, 5094, 5127, 5132, 5137,
5142, 5147
`\equationautorefname` 1485
`\escapechar` 2928, 5276, 5300
`\everydisplay` . . . 137, 5586, 5587
`\everyjob` 2900, 2901
`\everymath` 5583
`\everypar` 3347, 3357, 3374
`\ExecuteOptions` 5735
`\ExecuteOptionsX` 4319
`\exp` . . 2992, 2994, 2995, 2996, 3017,
3019, 3020, 3021, 3064, 3066,
3067, 3068, 3097, 3099, 3100,
3101, 3121, 3123, 3124, 3125,
3170, 3172, 3173, 3174, 3194,
3196, 3197, 3198, 3218, 3220,



3221, 3222, 3242, 3244, 3245,
 3246, 3266, 3268, 3269, 3270,
 3290, 3292, 3293, 3294
 \expandafter 137, 1584, 1590, 1814,
 1815, 1939, 1973, 2062, 2099,
 2102, 2109, 2112, 2129, 2171,
 2260, 2376, 2381, 2382, 2387,
 2392, 2393, 2399, 2400, 2401,
 2402, 2409, 2410, 2411, 2412,
 2414, 2423, 2424, 2425, 2426,
 2436, 2453, 2454, 2455, 2456,
 2906, 2908, 2912, 2914, 2918,
 2920, 2925, 2926, 2929, 2932,
 2933, 2935, 2936, 3382, 3484,
 3757, 3762, 3765, 3780, 3786,
 3871, 3881, 3887, 3981, 3983,
 3985, 3987, 3995, 5271, 5290,
 5295, 5304, 5305, 5306, 5316,
 5583, 5586, 5667
 \expandedtitle 5068
 \ExplSyntaxOff . 2128, 2450, 3305,
 5341, 5517, 5619
 \ExplSyntaxOn .. 2126, 2438, 2951,
 5320, 5347, 5591
 \extract@alph@from@version 5304

F
 \f@baselineskip 3323, 3337, 3577,
 3684, 4378, 4380
 \f@family 3043, 3044
 \f@size 3323, 3337
 \f@ur . 1571, 3396, 3412, 3413, 3414,
 3417, 3418, 3419
 \false 5712
 \falsesymbol 5703
 \familydefault . 2999, 3071, 3177,
 3201, 3225, 3249, 3273, 3297
 \fancyfoot . 4812, 4816, 4817, 4818
 \fancyhead . 4811, 4813, 4814, 4815
 \FancyVerbLineautorefname 1498
 \fbox .. 4696, 4711, 4926, 5689, 5749
 \fboxrule . 1468, 1470, 1472, 1474,
 4768
 \fboxsep .. 1468, 1470, 1472, 1474,
 4699, 4892, 4924, 4996, 5024,
 5072, 5121
 \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,
 2497, 2626, 2627, 2628, 2629,
 2630, 2631, 2632, 2633, 2634,
 2635, 2636, 2637, 2638, 2639,
 2640, 2641, 2646, 2682, 2683,
 2684, 2685, 2686, 2687, 2688,
 2689, 2690, 2691, 2692, 2693,
 2694, 2695, 2696, 2697, 2734,
 2735, 2736, 2737, 2738, 2739,
 2740, 2741, 2742, 2743, 2744,
 2745, 2746, 2747, 2748, 2749,
 2760, 2777, 2791, 2792, 2793,
 2794, 2795, 2796, 2797, 2798,
 2799, 2800, 2808, 2816, 2824,
 2832, 2840, 2848, 2856, 2863,
 2909, 2915, 2921, 2939, 2940,
 2948, 3043, 3044, 3351, 3361,
 3383, 3390, 3404, 3409, 3410,
 3411, 3415, 3420, 3421, 3422,



3423, 3432, 3443, 3444, 3445,
 3449, 3451, 3455, 3456, 3458,
 3459, 3463, 3465, 3469, 3470,
 3471, 3591, 3607, 3622, 3638,
 3654, 3663, 3672, 3681, 3729,
 3730, 3731, 3732, 3733, 3734,
 3735, 3736, 3737, 3738, 3739,
 3740, 3741, 3742, 3743, 3744,
 3745, 3746, 3747, 3756, 3761,
 3783, 3797, 3809, 3814, 3815,
 3818, 3820, 3821, 3833, 3837,
 3839, 3840, 3842, 3845, 3847,
 3853, 3856, 3859, 3863, 3868,
 3884, 3898, 3910, 3915, 3916,
 3919, 3921, 3922, 3934, 3938,
 3940, 3941, 3943, 3949, 3950,
 3952, 3957, 3964, 3970, 3988,
 3989, 3990, 3991, 3992, 3993,
 4000, 4001, 4004, 4005, 4008,
 4009, 4011, 4012, 4024, 4085,
 4097, 4105, 4113, 4119, 4126,
 4134, 4141, 4148, 4160, 4166,
 4172, 4176, 4180, 4186, 4198,
 4199, 4210, 4211, 4222, 4223,
 4235, 4271, 4278, 4285, 4299,
 4310, 4317, 4339, 4389, 4390,
 4392, 4721, 4722, 4927, 4944,
 5108, 5182, 5201, 5228, 5253,
 5271, 5289, 5290, 5295, 5315,
 5316, 5415, 5537, 5538, 5539,
 5540, 5541, 5542, 5543, 5544,
 5545, 5546, 5547, 5548, 5550,
 5559, 5560, 5561, 5563, 5564,
 5565, 5571, 5572, 5573, 5575,
 5576, 5577, 5803, 5805, 5806,
 5807, 5813, 5837, 5838, 5858,
 5869, 5890, 5899, 5906, 5913,
 5928
 \figureautorefname 1488
 \figurename 1315, 3729
 \finishsetclass 1587, 1591
 \firstarticle .. 4823, 4847, 4848,
 4850
 \FirstFrameCommand 1470
 \firstimage . 4920, 4933, 4934, 4936
 \firstTextFormat 4581, 4583
 \firstTitleFormat 4569, 4575, 4576
 \float@box 2100, 2110
 \float@endH 2099, 2109
 \floatsep 3688, 3692, 3693
 \flushright 4569, 4588, 4607
 \font 1574, 3400
 \font@name 4358, 4360, 4364, 4366,
 4370, 4372
 \fontcharwd 1574
 \fontencoding .. 2994, 3020, 3066,
 3100, 3124, 3172, 3196, 3220,
 3244, 3268, 3292
 \fontfamily 2995, 3019, 3067, 3099,
 3123, 3138, 3141, 3144, 3147,
 3150, 3153, 3173, 3197, 3221,
 3245, 3269, 3293
 \fontsize 3323, 3337
 \fontspec . 2127, 2445, 2990, 3014,
 3063, 3094, 3118, 3168, 3192,
 3216, 3240, 3264, 3288, 5459,
 5493, 5508
 \foot 4564
 \footdir@debugfalse 4171
 \footdir@debugtrue 4169
 \footins 3686
 \footnote 4661
 \footnoteautorefname 1486
 \footnoterule 4660
 \footnotesep 3685, 4386, 4388
 \footnotesize 84, 86, 88, 1289, 1290,
 1291, 1460, 1462, 1464, 3525,
 3526, 4489, 4490, 4524, 4557,
 4622, 4646, 4647, 4659
 \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



[\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](#) 3043, 3044,
 3435
[\if@bidi@algorithmicloaded@](#) . .
 1629
[\if@bidi@algorithmloaded@](#) 1632
[\if@bidi@backrefloaded@](#) . . 1635
[\if@bidi@csprimitive](#) 1660
[\if@bidi@csundef](#) 3031, 3720, 3975,
 4026
[\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](#) 4336
[\if@files](#) 3383

[\if@hboxRconstruct](#) . . 1878, 1900
[\if@inlabel](#) 139
[\if@Kashida@on](#) 1563, 1565
[\if@LTRbibitems](#) 4022
[\if@newlist](#) 2125
[\if@nonlatin](#) 2756, 3043, 3044, 5571,
 5572, 5573, 5575, 5576, 5577
[\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, 2791, 2792,
 2793, 2794, 2795, 2796, 2797,
 2798, 2799, 2800, 2803, 2811,
 2819, 2827, 2835, 2843, 2851,
 2859, 3729, 3730, 3731, 3732,
 3733, 3734, 3735, 3736, 3737,
 3738, 3739, 3740, 3741, 3742,
 3743, 3744, 3745, 3746, 3747
[\if@RTL@footnote](#) 1289, 1460
[\if@RTLmain](#) 3390
[\if@RTLtab](#) 1920, 1921, 1922, 1923,
 1943, 1944, 1945, 1946, 1977,
 1978, 1979, 1980, 2021, 2022,
 2023, 2024, 2066, 2067, 2068,
 2069
[\if@temp](#) 2303, 3591, 3607, 3622,
 3638, 3654, 3663, 3672, 3681
[\if@twoside](#) 2646
[\if@xepersian@computeautoilg](#)
 3392, 4376
[\ifadl@usingarypkg](#) 1965
[\ifBR@verbose](#) 66
[\ifcase](#) 2003, 2034, 2038, 2042, 2046,
 2185, 2215, 2308, 3750, 3759,
 3787, 3850, 3856, 3859, 3862,
 3866, 3888, 3955, 3960, 3967,
 3999, 4003, 4007, 4011, 4080,
 4091, 4099, 4107, 4115, 4122,
 4130, 4137, 4144, 4150, 4162,



4168, 4174, 4178, 4182, 4188,
 4201, 4213, 4225, 4267, 4274,
 4281, 4288, 4303, 4313, 5921
 \ifdim . 169, 2905, 2911, 2917, 3401,
 3402, 3406, 3407, 3412, 3413,
 3417, 3418, 3427, 3443, 3444,
 3445, 3451, 3458, 3459, 3465,
 4382, 4386, 4709, 5194
 \iffontchar 3400, 5408
 \ifhmode 1802
 \ifinner 1808
 \IfLTXAtLeastTF . 2619, 2675, 2727
 \ifmmode 1890, 5273, 5297
 \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, 2497, 2773, 2944, 3425,
 3777, 3779, 3788, 3789, 3790,
 3791, 3792, 3793, 3794, 3795,
 3812, 3814, 3816, 3818, 3820,
 3825, 3836, 3837, 3839, 3841,
 3842, 3845, 3878, 3880, 3889,
 3890, 3891, 3892, 3893, 3894,
 3895, 3896, 3913, 3915, 3917,
 3919, 3921, 3926, 3937, 3938,
 3940, 3942, 3943, 3945, 3950,
 3977, 3979, 3981, 3983, 3985,
 3987, 4001, 4005, 4009, 4012,
 5106, 5180, 5226, 5251, 5274,
 5298, 5799, 5803, 5831, 5837,
 5858, 5885, 5889, 5894, 5898,
 5900, 5909
 \ifodd 1819, 1825, 5792, 5797
 \Ifstr 2596, 2651, 2703
 \ifthenelse 4449, 4461, 4470, 4574,
 4589, 4608, 4629, 4747, 4825,
 4826, 4856, 4888, 4902, 4922,
 4940, 4964, 4994, 5018, 5045,
 5074, 5079, 5084, 5089, 5094,
 5127, 5132, 5137, 5142, 5147,
 5678
 \ifvoid 3349, 3359
 \ifwritexviii . . 2943, 4190, 4202,
 4214
 \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, 2624, 2626,
 2627, 2628, 2629, 2630, 2631,
 2632, 2633, 2634, 2635, 2636,
 2637, 2638, 2639, 2640, 2680,
 2682, 2683, 2684, 2685, 2686,
 2687, 2688, 2689, 2690, 2691,
 2692, 2693, 2694, 2695, 2696,
 2732, 2734, 2735, 2736, 2737,
 2738, 2739, 2740, 2741, 2742,
 2743, 2744, 2745, 2746, 2747,
 2748, 2926, 2934, 3043, 3044,
 5271, 5295, 5524, 5525, 5526,
 5527, 5528, 5529, 5530, 5531,
 5532, 5533, 5534, 5535, 5550,
 5559, 5560, 5561, 5563, 5564,
 5565, 5571, 5572, 5573, 5575,
 5576, 5577
 \ifXePersian@kabiseh . 5760, 5865
 \ifXePersian@leap . . . 5760, 5809
 \IfxepersianPackageVersion 2916
 \IfxepersianPackageVersionBefore
 2910
 \IfxepersianPackageVersionLater
 2904
 \ifxetex 4702, 4925, 4942
 \ignorespaces 173, 2107, 2117, 2986,
 3010, 3052, 3059, 3164, 3188,
 3212, 3236, 3260, 3284, 4520,
 4573, 4583, 4588, 4596, 4601,
 4607, 4615, 4875, 4901, 5050
 \image 4697
 \immediate 3383, 4193, 4194, 4205,
 4206, 4217, 4218
 \includegraphics 4712, 4926, 4943
 \indexEntryFormat . . . 4518, 4520
 \indexEntryPageFormat 4524, 4526
 \indexEntryPageTxt . . 4523, 4526
 \indexEntrySeparator . 4522, 5050
 \indexFormat 4514, 4516
 \indexitem . 5043, 5053, 5054, 5056
 \indexname 3735
 \init@restore@version 5280, 5328
 \innerAuthorFormat . . 4646, 5163
 \innerPlaceFormat . . . 4647, 5163
 \innerSubtitleFormat . 4636, 4637



`\innerTextFinalMark` . . 4648, 5184
`\innerTitleFormat` 4625, 4630, 4631
`\input` 1671, 1672, 1673, 1674, 1675,
1676, 1677, 4030, 4031, 4032,
4033, 4034, 4035, 4036, 4037,
4038, 4039, 4040, 4041, 4042,
4043, 4044, 4045, 4046, 4047,
4048, 4049, 4050, 4051, 4052,
4053, 4054, 4055, 4056, 4057,
4058, 4059, 4060, 4061, 4062,
4063, 4064, 4065, 4066, 4067,
4068, 4069, 4070, 4071, 4072,
4073, 4074, 4175, 4179, 4337,
4338
`\insert@column` . 2005, 2006, 2007,
2008, 2010, 2011
`\int` . . 5353, 5356, 5364, 5372, 5380,
5388, 5595, 5608
`\intermath@penalty` 172
`\intextsep` 3692
`\iranicdefault` . 3132, 3144, 3289,
3297
`\iranicfamily` . . 3142, 3143, 3156,
3290
`\item` 5704, 5705, 5706, 5707
`\itemautorefname` 1487
`\itemsep` . . 3590, 3606, 3621, 3637,
3653
`\itshape` 4020, 5716

J

`\jobname` . . 4194, 4195, 4206, 4207,
4218, 4219

K

`\KashidaOff` 1612
`\KashidaOn` 1611, 1614
`\kern` 2137, 3350, 3360, 3727
`\keys` 2953, 2960, 2968, 2975
`\keyval@eq@alias@key` . 1663, 1667
`\KOMAClassName` . 2597, 2620, 2652,
2676, 2704, 2728
`\KV@sp@def` 4079

L

`\l` 2955, 2956, 2957, 2964, 2970, 2971,
2972, 2979, 2990, 2991, 2995,
3014, 3019, 3063, 3067, 3168,
3169, 3173, 3192, 3193, 3197,
3216, 3217, 3221, 3240, 3241,
3245, 3264, 3265, 3269, 3288,
3289, 3293, 5411, 5418, 5422,
5423, 5430, 5431, 5438, 5439
`\label` 5179, 5225, 5249
`\labelsep` . 3634, 3649, 3662, 3671,
3680
`\labelwidth` 3634, 3649, 3662, 3671,
3680
`\LARGE` 3560, 3561, 4498, 4585, 4649,
4652, 4665, 4667
`\Large` 3554, 3555, 4497, 4604, 4654,
4781, 5064, 5098
`\large` 3548, 3549, 4496, 4508, 4514,
4594, 4613, 4636, 4656, 4669,
4675, 4787
`\lastbox` 3348, 3358
`\LastFrameCommand` 1474
`\lastpenalty` 170
`\lastskip` 169
`\latin` 3344, 3346
`\LatinAlphs` 3344, 3364, 4016
`\Latincite` 2335, 3376
`\latinfont` . 3064, 3320, 3322, 4238
`\latintoday` 3367
`\lccode` 2354, 2355, 2356, 2495
`\leaders` 1569
`\leavevmode` . . 138, 139, 1876, 1898,
2125, 3378, 3726
`\leftfootnoterule` 4153
`\leftmargin` 3587, 3603, 3618, 3633,
3634, 3648, 3649, 3661, 3662,
3670, 3671, 3679, 3680
`\leftmargini` 3587, 3603, 3618
`\leftmarginii` 3633
`\leftmarginiii` 3648
`\leftmarginiv` 3661
`\leftmarginv` 3670
`\leftmarginvi` 3679
`\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, 2624,
 2680, 2732, 2753, 2772, 3043,
 3044, 3307, 3308, 3320, 3321,
 3325, 3326, 3329, 3330, 3331,
 3332, 3334, 3335, 3339, 3340,
 3366, 3379, 3498, 3515, 3532,
 3593, 3758, 3763, 3770, 3876,
 3996, 4014, 4015, 4017, 4018,
 4227, 4228, 4232, 4233, 4270,
 4297, 4298, 4659, 4660, 4661,
 4681, 4682, 4683, 4684, 4685,
 4686, 4687, 4688, 4689, 4690,
 5269, 5285, 5311, 5458, 5584,
 5588, 5633, 5722, 5723, 5724,
 5725, 5729, 5730, 5731, 5732,
 5744, 5745, 5918, 5919, 5920
 \lineskip 4670
 \linespread 3430
 \linewidth . 5670, 5674, 5689, 5749
 \listalgorithmname 7
 \listfigurename 3732
 \listtablename 3733
 \LoadClass 4442
 \logo 4775, 4804
 \long 1875, 2496
 \longdate 5159
 \loop 3399, 5886, 5895
 \lower 3726
 \lowercase 2357, 2496
 \lr 1512, 2168, 2257, 3342, 3367, 3380,
 4502, 4557, 4949
 \LRE 3342
 \lstlistingname 1616
 \lstlistlistingname 1617
 \LTR 3344
 \LTRfoottextfont 1290
 \ltx@ifundefined 1504, 1516, 1520

M
 \m@ne 2285, 5276, 5300
 \m@th 1895
 \makeform 5726, 5733
 \makeform@correction . 5641, 5733
 \makeform@nocorrection .. 5638,
 5726
 \MakeFramed 1476
 \MakeLowercase . 1371, 1378, 1385,
 1392, 1399, 1406, 1413, 1420,
 1427, 1434, 1441, 1448, 1455
 \makemask 5727, 5734
 \makemask@correction . 5646, 5734
 \makemask@nocorrection .. 5643,
 5727
 \maketitle 4658, 4682
 \MakeUppercase 4624
 \makezwnjletter 1658, 1659
 \math@bgroup 5271, 5295
 \math@fonts 5278, 5302
 \math@version .. 5274, 5277, 5282,
 5283, 5287, 5298, 5301, 5305,
 5307, 5309, 5313
 \mathalpha 5468, 5469, 5470, 5471,
 5472, 5473, 5474, 5475, 5476,
 5477, 5596, 5609
 \mathbf 5348, 5480, 5600, 5613
 \mathbin 5478, 5598, 5611
 \mathchar@type .. 5335, 5344, 5346
 \mathchardef 5518
 \mathcode . 5357, 5365, 5373, 5381,
 5389, 5549
 \MathDecimalSeparator 5522, 5550,
 5592, 5599, 5612
 \mathgroup 5268
 \mathiranic 3143
 \mathit 5349, 5481, 5601, 5614
 \mathnavar 3146
 \mathord 5479
 \mathpersiansf 3137
 \mathpersiantt 3140
 \mathpook 3149
 \mathrm 5350, 5482, 5602, 5615
 \mathsayeh 3152
 \mathsf 5351, 5497, 5603, 5616
 \mathsurround 166
 \mathtt 5352, 5512, 5604, 5617
 \mbox 2139
 \meaning 2929, 2932
 \MessageBreak .. 2194, 2195, 2224,
 2225, 2599, 2601, 2602, 2603,
 2604, 2605, 2606, 2607, 2608,
 2609, 2610, 2654, 2656, 2657,
 2658, 2659, 2660, 2661, 2662,
 2663, 2664, 2665, 2706, 2708,
 2709, 2710, 2711, 2712, 2713,
 2714, 2715, 2716, 2717, 4027,
 4847, 4879, 4913, 4933, 4954,



4957, 4979, 5004, 5030, 5053,
 5056, 5682
 \MidFrameCommand 1472
 \minilogo 4786, 5000
 \minraggedcols . 4425, 4426, 4464,
 4468, 5106, 5180, 5226, 5251
 \mlfttitle 1755
 \mltttitle 1756
 \month 5786
 \msg 5395, 5397
 \mtctitle 1754
 \multido 4748, 4754
 \multiply . 1855, 5789, 5802, 5829,
 5835, 5852, 5856
 \mylogo 4791

 N
 \NAT@@close 2251, 2330
 \NAT@@Latin@citetp . 2338, 2342,
 2343, 2344
 \NAT@@open 2234, 2310
 \NAT@alias . 2212, 2242, 2277, 2320
 \NAT@all@names . 2180, 2183, 2269,
 2272
 \NAT@aysep 2204
 \NAT@biblabel 2155
 \NAT@biblabelnum 2146
 \NAT@bibsetnum 2147
 \NAT@bibsetup 2156
 \NAT@cite 2152
 \NAT@cite@list 2169, 2258
 \NAT@citea@mbbox 2303
 \NAT@citenum 2140
 \NAT@citesuper 2133
 \NAT@citeundefined .. 2174, 2264
 \NAT@citex 2153
 \NAT@citexnum 2144
 \NAT@close 2148, 2159
 \NAT@cmprs 2279, 2325
 \NAT@cmt 2250, 2328
 \NAT@cotype 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@mbbox ... 2287, 2297
 \NAT@Latin@cites 2337, 2338
 \NAT@Latin@citex 2154, 2162, 2163
 \NAT@Latin@citexnum . 2145, 2252,
 2253
 \NAT@mbbox . 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@swattrue 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` .. 3133, 3147, 3217, 3225
`\navarfamily` 3145, 3146, 3157, 3218
`\NeedsTeXFormat` 2865, 4396, 5265, 5620, 5757
`\new@mathalphabet` 5331
`\new@mathbf` 5354, 5480, 5613
`\new@mathgroup` .. 5268, 5269, 5324
`\new@mathit` 5362, 5481, 5614
`\new@mathrm` 5370, 5482, 5615
`\new@mathsf` 5378, 5497, 5616
`\new@mathtt` 5386, 5512, 5617
`\new@mathversion` 5329
`\new@symbolfont` 5330
`\newboolean` 4407, 4409, 4411, 4413, 4415, 4417, 4419
`\newcolumntype` 5634, 5635
`\newcommand` 1611, 1612, 1658, 1660, 1661, 1663, 1667, 2162, 2252, 2338, 2343, 2779, 2902, 2904, 2910, 2916, 3043, 3044, 3130, 3131, 3132, 3133, 3134, 3135, 3397, 3437, 3438, 3442, 3474, 3714, 3719, 3764, 3767, 3870, 3873, 4350, 4404, 4459, 4503, 4504, 4507, 4508, 4509, 4514, 4515, 4518, 4519, 4522, 4523, 4524, 4525, 4528, 4529, 4533, 4534, 4537, 4538, 4539, 4540, 4543, 4546, 4551, 4556, 4559, 4561, 4564, 4569, 4570, 4581, 4582, 4585, 4586, 4594, 4595, 4598, 4599, 4604, 4605, 4613, 4614, 4616, 4617, 4618, 4619, 4622, 4623, 4625, 4626, 4636, 4637, 4638, 4639, 4640, 4641, 4646, 4647, 4648, 4649, 4650, 4651, 4652, 4653, 4654, 4655, 4656, 4657, 4692, 4697, 4729, 4761, 4775, 4786, 4791, 4799, 4823, 4854, 4886, 4920, 4939, 5043, 5061, 5068, 5110, 5118, 5161, 5167, 5187, 5204, 5233, 5258, 5342, 5343, 5345, 5630, 5632, 5638, 5641, 5643, 5646, 5650, 5652, 5654, 5702, 5703, 5708, 5712, 5717, 5736, 5738, 5914
`\newcount` . 3393, 4421, 4422, 4425, 4727, 4728, 5761, 5762, 5763, 5764, 5765, 5766, 5767, 5768, 5769, 5770, 5771, 5772, 5773, 5774, 5776, 5777, 5778, 5779, 5780, 5781, 5782, 5783
`\newcounter` 5655, 5656
`\newdimen` .. 3394, 3395, 4725, 4726
`\NewDocumentCommand` . 3085, 3109, 5354, 5362, 5370, 5378, 5386, 5594, 5607
`\newenvironment` 1661, 2348, 2349, 3346, 3356, 3364, 3365, 4694, 4800, 4962, 4992, 5016, 5170, 5219, 5245, 5684, 5718
`\newfam` 5269
`\newfontface` 2754
`\newfontlanguage` 2950
`\newfontscript` 2949
`\newif` . 1563, 2943, 3392, 3435, 5760
`\newlength` 4399, 4400, 4401, 4402, 4403, 4405, 5648, 5739, 5741
`\newmathalphabet` 5325
`\newmathalphabet@` 5325
`\newmathalphabet@@` 5325
`\newpage` ... 4192, 4204, 4216, 4810
`\newsavebox` 4693
`\newsection` 5167
`\next` . 1587, 1589, 1590, 2361, 2362, 2363, 2367, 2369, 2372, 2376, 2377, 2379, 2385, 2390, 2394, 2396, 2405, 2407, 2413, 2416, 2420, 2427, 2429
`\nobreak` 1568, 2134
`\noexpand` . 2360, 2380, 2386, 2388, 2398, 2406, 2408, 2420, 2421, 2430, 3492, 3498, 3509, 3515, 3526, 3532, 3537, 3543, 3549, 3555, 3561, 3567, 3573, 3591, 3607, 3622, 3638, 3654, 3663, 3672, 3681, 5281
`\nohyphens` . 4575, 4590, 4609, 4630
`\noindent` . 4520, 4535, 4573, 4583, 4588, 4596, 4601, 4607, 4615, 4620, 4624, 4628, 4777, 4794, 4875, 4901, 4926, 4973, 5050, 5064, 5098, 5113, 5151, 5208, 5236, 5261, 5263



`\pdfsavepos` 1544
`\pdfstringdefDisableCommands` .
 1511
`\penalty` 166, 172, 2150, 3381
`\persian` 3354, 3356
`\PersianAlphs` .. 3354, 3365, 4226,
 4231, 4395
`\persianday` 5920
`\persiandecimalseparator` 5479,
 5550
`\PersianDisplayMathDigits` 4112,
 5562, 5568
`\persianfont` 2992, 3334, 3336
`\PersianInlineMathDigits` 4104,
 5558, 5567
`\PersianMathDigits` .. 4096, 5566
`\persianmathdigits` . 5467, 5559,
 5563, 5571, 5575
`\persianmathsfdigits` 5497, 5560,
 5564, 5572, 5576
`\persianmathttdigits` 5512, 5561,
 5565, 5573, 5577
`\persianmonth` 5919
`\persiansfdefault` .. 3130, 3138,
 3169, 3177
`\persiansffamily` 3136, 3137, 3154,
 3170
`\persiantoday` 3368, 5914
`\persianttdefault` .. 3131, 3141,
 3193, 3201
`\persianttfamily` 3139, 3140, 3155,
 3194
`\persianyear` 5918
`\pictureCaptionFormat` 4618, 4620
`\plftitle` 1752
`\plq` 2923
`\plttitle` 1753
`\pookdefault` 3134, 3150, 3241, 3249
`\pookfamily` . 3148, 3149, 3158, 3242
`\postmath` 172
`\PrefixCurrentTab` 2779
`\premath` 168
`\prepnext@tok` 2002, 2012
`\prg` 5409, 5412, 5414
`\printindex` 4192, 4204, 4216
`\process@table` 5328
`\ProcessOptions` 4441, 5756
`\ProcessOptionsX` 4334
`\proofname` 3747
`\protect` .. 4847, 4848, 4850, 4879,
 4880, 4882, 4913, 4914, 4916,
 4933, 4934, 4936, 4954, 4955,
 4957, 5053, 5054, 5056, 5639,
 5642, 5644, 5647, 5665, 5670,
 5671, 5672, 5674, 5675, 5676,
 5696, 5697
`\protected@write` 4290, 4294
`\providecommand` 3972
`\ProvidesClass` 4397
`\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, 2493, 2563,
 2570, 2577, 2585, 2593, 2644,
 2700, 2752, 2770, 2790, 2801
`\ProvidesPackage` 2868, 5266, 5621,
 5758
`\prq` 2922
`\ptctitle` 1751

Q

`\quad` 3708
`\question` 5744
`\questionsepspace` 5741, 5742, 5754
`\questionspace` .. 5648, 5649, 5690
`\questiontitle` 5736, 5755
`\questiontitlefont` 5738
`\questiontitlespace` . 5739, 5740,
 5750

R

`\raggedFormat` .. 4459, 5107, 5181,
 5227, 5252
`\RaggedLeft` 4459
`\raisebox` 4505, 4510
`\redeflatinfont` 3111
`\redefpersianfont` 3087
`\ref` 2860, 2862
`\refname` 92, 3736
`\refstepcounter` 5706, 5707
`\reftextafter` 2818
`\reftextbefore` 2826
`\reftextcurrent` 2834
`\reftextfaceafter` 2802
`\reftextfacebefore` 2810



<code>\reftextfaraway</code>	2842	1741, 1742, 1743, 2131, 2148,
<code>\reftextlabelrange</code>	2858	2159, 2564, 2565, 2571, 2572,
<code>\reftextpagerange</code>	2850	2578, 2579, 2586, 2587, 2594,
<code>\reftextvario</code>	2805, 2807, 2813,	2595, 2623, 2645, 2649, 2650,
	2815, 2821, 2823, 2829, 2831,	2679, 2701, 2702, 2731, 2771,
	2837, 2839	2791, 2792, 2793, 2794, 2795,
<code>\relax</code>	1578, 1658, 1850, 1882, 2017,	2796, 2797, 2798, 2799, 2800,
	2018, 2039, 2040, 2041, 2102,	3390, 3704, 3710, 4021, 4192,
	2112, 2136, 2142, 2186, 2216,	4204, 4216, 4471, 4478, 4480,
	2244, 2251, 2257, 2284, 2291,	4482, 4489, 4496, 4497, 4498,
	2302, 2457, 2624, 2680, 2732,	4499, 4500, 4552, 4553, 4554,
	2773, 2926, 2944, 3311, 3312,	4565, 4566, 4567, 4658, 4763,
	3316, 3317, 3430, 3475, 3479,	4799, 4819, 5158, 5168, 5173,
	3662, 3671, 3680, 4080, 4091,	5637
	4099, 4107, 4115, 4122, 4130,	<code>\RenewDocumentCommand</code> 3090, 3114
	4137, 4144, 4150, 4162, 4168,	<code>\renewenvironment</code> . . . 1467, 5746
	4174, 4178, 4182, 4188, 4201,	<code>\repeat</code> 3425, 5889, 5898
	4213, 4225, 4267, 4274, 4281,	<code>\RequirePackage</code> 2870, 2871, 2872,
	4288, 4297, 4298, 4303, 4309,	2873, 4398, 4443, 4444, 4445,
	4313, 4342, 4346, 4352, 4353,	4446, 4447, 4448, 4450, 4452,
	4354, 4378, 4380, 4441, 4660,	4454, 4455, 4456, 4457, 4458,
	4681, 4682, 4687, 4688, 4689,	5623, 5624, 5625, 5626, 5627,
	4690, 5271, 5285, 5295, 5311,	5628
	5344, 5346, 5357, 5365, 5373,	<code>\reserved@a</code> 1814, 1818, 1824, 1830,
	5381, 5389, 5458, 5549, 5584,	1833, 1836, 1839, 1842, 1845,
	5588, 5788, 5789, 5791, 5796,	1848
	5801, 5802, 5808, 5810, 5812,	<code>\reserved@b</code> 1794, 1795
	5814, 5815, 5816, 5817, 5818,	<code>\reset@font</code> 2174, 2263, 3321, 3335,
	5819, 5820, 5821, 5822, 5823,	3370, 3384
	5824, 5826, 5828, 5829, 5834,	<code>\resetlatinfont</code> 84, 86, 1289, 1290,
	5835, 5842, 5844, 5847, 5851,	1460, 1462, 2762, 3306, 3342,
	5852, 5855, 5856, 5859, 5864,	3344, 3364, 3371, 3390, 4023
	5866, 5868, 5870, 5871, 5872,	<code>\restore@mathversion</code> 5328
	5873, 5874, 5875, 5876, 5877,	<code>\restoreapp</code> 36
	5878, 5879, 5880, 5881, 5883,	<code>\rightfootnoterule</code> 4155
	5884, 5887, 5892, 5896, 5902,	<code>\rightline</code> 5162
	5904, 5905	<code>\rl</code> 1513, 3343, 3368
<code>\renewcommand</code>		<code>\RLE</code> 3343
	. 9, 16, 24, 30, 31, 34, 39, 40,	<code>\rmdefault</code> 2991, 2999, 3071
	45, 46, 51, 52, 57, 58, 86, 88,	<code>\Roman</code> 1196, 2631, 2687, 2739
	94, 95, 99, 105, 106, 110, 116,	<code>\roman</code> 1195, 2632, 2688, 2740
	117, 124, 128, 129, 1271, 1272,	<code>\romannumeral</code> . . . 2640, 2696, 2748,
	1277, 1281, 1282, 1289, 1290,	5888, 5897, 5907
	1291, 1293, 1294, 1300, 1301,	<code>\RTL</code> 3354
	1308, 1315, 1316, 1323, 1330,	<code>\RTLfoottextfont</code> 1291
	1331, 1338, 1345, 1346, 1353,	<code>\rule</code> . 4522, 4648, 4750, 4756, 4843,
	1360, 1367, 1374, 1381, 1388,	4875
	1395, 1402, 1409, 1416, 1423,	
	1430, 1437, 1444, 1451, 1460,	
	1462, 1464, 1531, 1738, 1740,	
		S
		<code>\sayehdefault</code> . . 3135, 3153, 3265,



3273
 \sayehfamily 3151, 3152, 3159, 3266
 \scan 5411
 \scriptsize 3536, 3537, 4480
 \secondarticle . 4854, 4879, 4880, 4882
 \secondSubtitleFormat 4594, 4596
 \secondTextFormat ... 4598, 4601
 \secondTitleFormat . 4585, 4590, 4591
 \section 3722
 \sectionautorefname 1493
 \sectionname 11, 1533
 \select@group 5270
 \selectfont 2996, 3021, 3044, 3068, 3101, 3125, 3138, 3141, 3144, 3147, 3150, 3153, 3174, 3198, 3222, 3246, 3270, 3294, 3324, 3338, 3431
 \set@mathdelimiter 5335
 \set@fontsize ... 4341, 4345, 4377
 \set@mathaccent 5332
 \set@mathchar 5332
 \set@mathdelimiter 5334
 \set@mathsymbol 5333
 \setboolean 2780, 2781, 4408, 4410, 4412, 4414, 4416, 4418, 4420, 4436, 4437, 4439, 4440, 4802, 4820, 4965, 4990, 5019, 5041
 \setbox 150, 1861, 1904, 2008, 2010, 2011, 2101, 2104, 2111, 2114, 2763, 2767, 3348, 3358
 \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, 2566, 2567, 2573, 2574, 2580, 2581, 2588, 2589, 2615, 2616, 2670, 2671, 2722, 2723, 2774, 2778, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 4680, 5659
 \setdigitfont 3048
 \SetDisplayMathDigits 5553, 5562, 5574, 5584, 5587
 \SetEnumerateShortLabel . 1211, 1212, 1213, 1214, 1215
 \setfontsize 3474, 4082, 4084
 \SetInlineMathDigits 5552, 5558, 5570, 5583, 5588
 \setiraniconfont 3281
 \setkeys 141, 158
 \setlatinmonofont 3080
 \setlatinsansfont 3079
 \setlatintextfont ... 3056, 4394
 \setlength 1880, 1883, 1902, 3446, 3448, 3452, 3454, 3460, 3462, 3466, 3468, 3476, 3480, 3482, 3490, 3500, 3501, 3507, 3517, 3518, 3524, 3534, 3535, 3540, 3541, 3546, 3547, 3552, 3553, 3558, 3559, 3564, 3565, 3570, 3571, 3577, 3642, 3684, 3685, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 4406, 4438, 4473, 4474, 4475, 4476, 4484, 4485, 4486, 4487, 4491, 4492, 4493, 4494, 4699, 4703, 4744, 4745, 4762, 4767, 4768, 4892, 4924, 4996, 5021, 5024, 5072, 5073, 5121, 5122, 5188, 5189, 5205, 5649, 5740, 5742
 \setLTRcitationfont 84
 \SetMathAlphabet 5331
 \SetMathAlphabet@ 5331
 \SetMathCharDef 5345, 5479
 \SetMathCode 5343, 5468, 5469, 5470, 5471, 5472, 5473, 5474, 5475, 5476, 5477, 5478, 5596, 5598, 5609, 5611
 \setmathdigitfont 5452
 \setmathsfdigitfont 5487
 \setmathttdigitfont 5502
 \setmonofont 3080
 \setnavarfont 3209
 \setpersianfont .. 88, 1291, 1464, 2766, 3328, 3343, 3354, 3365, 3390
 \setpersianmonofont 3185
 \setpersiansansfont 3161
 \setpookfont 3233
 \setsansfont 3079
 \setsayehfont 3257
 \SetSymbolFont 5330
 \SetSymbolFont@ 5330
 \setttextdigitfont 3007
 \setttextfont 2983, 4028



<code>\setthesection</code>	1740	<code>\SwitchToDefaultMathDigits</code>	5594
<code>\sf@size</code>	4364, 4366	<code>\SwitchToPersianMathDigits</code>	5607
<code>\sffamily</code>	4503	<code>\symnew@mathbf@font@digits</code>	5357
<code>\shadowbox</code>	5075, 5128	<code>\symnew@mathit@font@digits</code>	5365
<code>\shadowsize</code>	5073, 5122, 5126	<code>\symnew@mathrm@font@digits</code>	5373
<code>\shortarticleitem</code>	5258	<code>\symnew@mathsf@font@digits</code>	5381
<code>\shortarticleItemTitleFormat</code>	4656, 4657	<code>\symnew@mathtt@font@digits</code>	5389
<code>\shortarticleSubtitleFormat</code> ..	4654, 4655	T	
<code>\shortarticleTitleFormat</code>	4652, 4653	<code>\tableautorefname</code>	1489
<code>\sixt@@n</code>	1813, 1850	<code>\tablename</code>	1345, 1362, 3730
<code>\skip</code>	3686	<code>\tabularxcolumn</code>	5637
<code>\slftitle</code>	1758	<code>\tartibi</code> ..	1192, 1206, 1211, 2628, 2684, 2736, 3870
<code>\slttitle</code>	1759	<code>\tartibinumeral</code>	3876
<code>\small</code>	3508, 3509, 3723, 4482, 4483, 4537, 4541, 4547, 4618, 4640, 4659	<code>\test</code>	1586, 1587, 1588
<code>\smash</code>	3726	<code>\tex</code>	5408, 5411
<code>\SOUL@tt</code> ...	2753, 2755, 2763, 2767	<code>\textbf</code>	2, 3, 1469, 1471, 1473, 1475, 5064, 5098, 5113, 5151
<code>\SOUL@tt@latin</code>	2753, 2759	<code>\textblockorigin</code>	4724
<code>\SOUL@tt@nonlatin</code> ...	2754, 2757	<code>\textdegree</code>	4538
<code>\SOUL@ttwidth</code>	2764, 2768	<code>\TextDigitFontOff</code>	3438
<code>\space</code>	2176, 2265, 2868, 3387, 3979, 4706, 4707, 4847, 4848, 4850, 4879, 4880, 4882, 4913, 4914, 4916, 4933, 4934, 4936, 4954, 4955, 4957, 5053, 5054, 5056, 5163, 5680, 5915, 5916	<code>\TextDigitFontOn</code> ...	3437, 3440
<code>\SplitFootnoteRule</code>	4157	<code>\textfloatsep</code>	3690, 3694
<code>\ssf@size</code>	4370, 4372	<code>\textheight</code>	4731, 4756
<code>\stctitle</code>	1757	<code>\textiranic</code>	3156
<code>\stepcounter</code> .	26, 2776, 5655, 5668, 5699	<code>\textit</code>	4649
<code>\str</code> ..	2999, 3071, 3177, 3201, 3225, 3249, 3273, 3297	<code>\textnavar</code>	3157
<code>\string</code> .	67, 1939, 1973, 2062, 2431, 2599, 2600, 2603, 2605, 2607, 2609, 2610, 2611, 2654, 2655, 2658, 2660, 2662, 2664, 2665, 2666, 2706, 2707, 2710, 2712, 2714, 2716, 2717, 2718, 3383, 4291, 4295, 4358, 4360, 4364, 4366, 4370, 4372	<code>\textpersiansf</code>	3154
<code>\strip@pt</code> .	3310, 3315, 3430, 3478, 4351	<code>\textpersiantt</code>	3155
<code>\subparagraphautorefname</code> .	1497	<code>\textpook</code>	3158
<code>\subsectionautorefname</code> ...	1494	<code>\textsayah</code>	3159
<code>\subsubsectionautorefname</code>	1495	<code>\textsc</code>	4651
		<code>\textsf</code>	3708
		<code>\textsuperscript</code>	2134
		<code>\texttt</code>	4508
		<code>\textwidth</code>	1907, 4730, 4750, 5062, 5686
		<code>\textwidthfootnoterule</code> ...	4159
		<code>\tf@size</code>	4358, 4360
		<code>\thanks</code>	4661, 4681
		<code>\the</code>	137, 142, 1570, 1572, 1576, 1578, 1884, 2382, 2387, 2393, 2400, 2410, 2424, 2900, 3401, 3402, 3403, 3406, 3407, 3408, 3412, 3413, 3414, 3417, 3418, 3419, 3481, 3493, 3494, 3495, 3496, 3497, 3510, 3511, 3512, 3513, 3514, 3527, 3528, 3529, 3530, 3531, 3538, 3544, 3550, 3556,



3562, 3568, 3574, 3588, 3589,
 3604, 3605, 3619, 3620, 3635,
 3636, 3650, 3652, 4706, 4707,
 5192, 5583, 5587, 5888, 5897,
 5907
 \the@choice 5658, 5680
 \thebook 1741
 \thechapter 20, 31,
 103, 114, 121, 133, 1286, 1298,
 1740, 1747, 2569, 2576, 2583,
 2591, 2673, 2725
 \theclass 1583, 1588
 \theHchapter 1506, 1523
 \theHsection 1505, 1521
 \thempfn 1909
 \thempfootnote 1909, 4020
 \theoremautorefname 1499
 \thepage .. 2176, 2193, 2223, 2265,
 3387, 4548
 \thepart 9, 16, 39, 45, 51, 57,
 94, 105, 116, 128, 1271, 1281,
 1293, 1531, 1742, 2564, 2571,
 2578, 2586, 2594, 2649, 2701
 \thequestion 5679, 5719, 5755
 \thesection .. 12, 34, 43, 49, 55, 61,
 1275, 1534, 2617
 \thirdarticle .. 4886, 4913, 4914,
 4916
 \thirdSubtitleFormat . 4613, 4615
 \thirdTextFormat 4616, 4617
 \thirdTitleFormat 4604, 4609, 4610
 \thispagestyle 4803, 4808
 \thr@@ 1577, 1936, 1955, 1956, 1970,
 1991, 1992, 2018, 2030, 2031,
 2059, 2086, 2087
 \timestamp . 4641, 4838, 4868, 4904
 \timestampFormat 4640, 4642
 \timestampSeparator .. 4639, 4644
 \timestampTxt 4638, 4643
 \tiny 3542, 3543, 4478
 \title 4687
 \TitleBarFrame . 1469, 1471, 1473,
 1475
 \tl 2955, 2956, 2957, 2964, 2970, 2971,
 2972, 2979, 2991, 3000, 3072,
 3079, 3080, 3169, 3178, 3193,
 3202, 3217, 3226, 3241, 3250,
 3265, 3274, 3289, 3298, 5322,
 5339, 5397, 5480, 5481, 5482,
 5497, 5512, 5599, 5600, 5601,
 5602, 5603, 5604, 5612, 5613,
 5614, 5615, 5616, 5617
 \tmp 5633
 \today 3366, 3368, 5159
 \topsep 3580, 3588, 3596, 3604, 3611,
 3619, 3626, 3635, 3640, 3650,
 3653
 \TPHorizModule . 4519, 4744, 4843,
 4875, 4926, 4973, 4974, 4997,
 4998, 5021
 \TPVertModule 4745
 \true 5708
 \truesymbol 5702
 \ttdefault 3043, 3044
 \tw@ .. 1569, 1831, 1834, 1916, 1922,
 1923, 1925, 1935, 1945, 1946,
 1969, 1979, 1980, 2017, 2023,
 2024, 2029, 2058, 2068, 2069,
 2277, 3401, 3402, 3403, 3406,
 3407, 3408
 \twocolumnstableofcontents 3719
 \typeout 2899, 2901, 4692

 U
 \Umathchardef 5346
 \Umathcode 5344
 \Umathcodenum 2497
 \undefined 1771, 5550, 5559, 5560,
 5561, 5563, 5564, 5565, 5571,
 5572, 5573, 5575, 5576, 5577
 \unhbox 1893
 \unpenalty 172
 \unskip 169, 2047, 2048, 2049, 2134,
 2197, 2228
 \unvbox 1893
 \Url@actpercent 2496
 \Url@Edit 2496
 \Url@String 2496
 \use .. 2992, 3005, 3015, 3046, 3064,
 3077, 3095, 3099, 3119, 3123,
 3170, 3183, 3194, 3207, 3218,
 3231, 3242, 3255, 3266, 3279,
 3290, 3303, 5485, 5500, 5515
 \use@mathgroup 5281
 \usebox 4696
 \usecounter 5692
 \UseOneTimeHook . 2620, 2676, 2728

 V
 \value 2773, 5662, 5678



`\vbox` . 1864, 1881, 1886, 1887, 1904,
 2011, 2101, 2105, 2111, 2115,
 5235, 5261
`\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` 5327
`\version@list` 5327
`\vfil` 4662, 4678
`\voidb@x` 150
`\vrb@catcodes` 2353
`\vskip` 4663, 4666, 4668, 4674
`\vspace` 4698, 4717, 4779, 4789, 4832,
 4836, 4859, 4862, 4866, 4873,
 4891, 4895, 4899, 4908, 4967,
 4971, 5027, 5048, 5096, 5100,
 5119, 5149, 5153, 5198, 5200,
 5210, 5213, 5238, 5240, 5260,
 5262, 5690, 5748, 5750
`\vss` 1893
`\vtop` 1888, 1889, 2010

W

`\wd` 2764, 2768
`\weatherFormat` 4533, 4535
`\weatheritem` 4939, 4954, 4955, 4957
`\weatherTempFormat` .. 4537, 4947
`\weatherUnits` 4538, 4949
`\whiledo` 5662
`\width` 1477, 2462, 2463
`\write` 3383, 4194, 4206, 4218
`\writexviiiifalse` 2947
`\writexviiiitru` 2945

X

`\X` 5632
`\x` 2929, 2934
`\xdef` . 1507, 1525, 4358, 4360, 4364,
 4366, 4370, 4372, 5281, 5658,
 5663, 5687, 5688, 5709, 5710,
 5713, 5714
`\XePersian` . 1514, 3708, 3726, 4557
`\xepersian` 2440, 2442
`\xepersian@adadi` ... 3786, 3811

`\xepersian@adadi@tartibi` 3887,
 3912
`\xepersian@baselineskip@scale`
 3308, 3314, 3326, 3330, 3332,
 3340, 4259, 4346
`\xepersian@@fontsize@branch` ..
 4076, 4251
`\xepersian@@fontsize@scale` 3307,
 3309, 3325, 3329, 3331, 3339,
 4247, 4342, 4353
`\xepersian@latin@baselineskip@scale`
 3316, 3326, 4263
`\xepersian@latin@fontsize@scale`
 3311, 3325, 4255
`\xepersian@math@fontsize@scale`
 4243, 4351
`\xepersian@start@switch@textdigitfont`
 3025, 3027, 3030, 3032, 3034,
 3036, 3038, 3043, 4305
`\xepersian@stop@switch@textdigitfont`
 3026, 3028, 3029, 3033, 3035,
 3037, 3039, 3044
`\xepersian@update@math@fontsize`
 .. 4350, 4360, 4366, 4372
`\xepersian@A` 1561, 1593, 1607, 1609,
 3036, 3037
`\xepersian@adadi` 3780, 3785
`\xepersian@adadi@tartibi` 3881,
 3886
`\xepersian@cmds@temp` . 2924, 2942
`\xepersian@coltitsize` 4400, 5123,
 5124, 5125, 5126, 5129, 5134,
 5139, 5144
`\xepersian@computeautoilg` 3397,
 4381
`\xepersian@cx` ... 4727, 4732, 4749
`\xepersian@cy` ... 4728, 4733, 4755
`\XePersian@d` 5761, 5786, 5891, 5910,
 5912, 5915, 5920
`\xepersian@D` 1558, 1595, 1596, 1597,
 1598, 1602, 1603, 1604, 1606,
 1607, 3032, 3033
`\xepersian@dahgan` 3844, 3865, 3948
`\xepersian@dahgan@tartibi` 3946,
 3954
`\XePersian@dn` .. 5781, 5880, 5888,
 5891, 5894, 5898, 5910, 5912
`\xepersian@dx` .. 4725, 4730, 4741,
 4744
`\xepersian@dy` .. 4726, 4731, 4742,



4745
 \xepersian@edition . 4507, 4511,
 4547, 4667, 4799
 \xepersian@editionLogo . . 4509,
 4777, 4795
 \xepersian@editorialTit . 5204,
 5223
 \xepersian@editorialTitle 4650,
 5209
 \xepersian@everyjob . . 2900, 2901
 \xepersian@firstText . 4582, 4838
 \xepersian@firstTitle 4570, 4833
 \xepersian@fmbox 4693, 4695, 4696
 \xepersian@footcenter 4559, 4566,
 4818
 \xepersian@footleft . 4561, 4565,
 4817
 \xepersian@footright 4556, 4567,
 4816
 \xepersian@frag 4079, 4081, 4082,
 4084
 \xepersian@gridcolumns . . 4422,
 4424, 4463, 4467
 \xepersian@gridrows . 4421, 4423,
 4463, 4467
 \xepersian@headcenter 4543, 4553,
 4815
 \xepersian@headDateTime . 4529,
 4783, 4797
 \xepersian@headleft . 4540, 4552,
 4814
 \xepersian@headright 4546, 4554,
 4813
 \XePersian@i 5761, 5884, 5885, 5887,
 5888, 5889, 5892, 5896, 5897,
 5900, 5901, 5904, 5907, 5909
 \xepersian@ilg . 3394, 3398, 3402,
 3403, 3407, 3408, 3426
 \xepersian@imgsize . 4399, 4700,
 4701, 4703, 4712, 4713
 \xepersian@incolumntitle 5110,
 5129, 5134, 5139, 5144
 \xepersian@indexEntry 4519, 5046
 \xepersian@indexEntryPage 4525,
 5046
 \xepersian@indexFrameTitle 4515,
 5022
 \xepersian@indexwidth 4403, 4522,
 5021, 5025, 5026
 \xepersian@inexpandedtitle 5061,
 5076, 5081, 5086, 5091
 \xepersian@innerSubtitle 4637,
 5177
 \xepersian@innerTitle 4626, 5176
 \XePersian@kabisehfalsh . 5831,
 5837
 \XePersian@kabisehtrue . . . 5837
 \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, 3034, 3035
 \XePersian@latini . . . 5762, 5808
 \XePersian@latinii . 5763, 5810,
 5812
 \XePersian@latiniii . . 5764, 5814
 \XePersian@latiniv . . 5765, 5815
 \XePersian@latinix . . 5770, 5820
 \XePersian@latinvi . . 5766, 5816
 \XePersian@latinvi . . 5767, 5817
 \XePersian@latinvii . . 5768, 5818
 \XePersian@latinviii . 5769, 5819
 \XePersian@latinix . . 5771, 5821
 \XePersian@latinxi . . 5772, 5822
 \XePersian@latinxii . 5773, 5823
 \XePersian@leapfalsh . 5793, 5797,
 5803
 \XePersian@leaptrue . . 5803, 5804
 \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 5761, 5786, 5882, 5901,
 5904, 5916, 5919



\XePersian@milyoongan 3813, 3824
\XePersian@milyoongan@tartibi
..... 3914, 3925
\XePersian@mminusone 5783, 5882,
5883, 5885, 5889
\XePersian@ncol 4754, 4755
\XePersian@ncolumns . 4404, 5105,
5106, 5173
\XePersian@nrow 4748, 4749
\XePersian@numberoutofrange ..
.... 3771, 3782, 3883
\XePersian@numberstring . 3768,
3776
\XePersian@numberstring@tartibi
..... 3874, 3877
\XePersian@PackageInfo .. 5342,
5461
\XePersian@pageleft . 4402, 5189,
5190, 5192, 5194
\XePersian@pageneed . 4401, 4703,
4704, 4706, 4709, 5188, 5194
\XePersian@pages 4623, 4858, 4890,
5175
\XePersian@persian@month 5916,
5921
\XePersian@persiani . 5762, 5862,
5863, 5893, 5910
\XePersian@persianii . 5763, 5864
\XePersian@persianiii 5764, 5866,
5868
\XePersian@persianiv . 5765, 5870
\XePersian@persianix . 5770, 5875
\XePersian@persianv . 5766, 5871
\XePersian@persianvi . 5767, 5872
\XePersian@persianvii 5768, 5873
\XePersian@persianviii . 5769,
5874
\XePersian@persianx . 5771, 5876
\XePersian@persianxi . 5772, 5877
\XePersian@persianxii 5773, 5878
\XePersian@persianxiii . 5774,
5879
\XePersian@pictureCaption 4619,
4715, 4929
\XePersian@R 1560, 1594, 1606, 1608,
3038, 3039
\XePersian@sadgan . 3817, 3822,
3826, 3830, 3835, 3918, 3931
\XePersian@sadgan@tartibi 3923,
3927, 3936
\XePersian@save@@f@family 3043,
3044
\XePersian@say . 4692, 5172, 5192,
5195, 5197, 5221, 5247
\XePersian@secondSubtitle 4595,
4864
\XePersian@secondText 4599, 4868
\XePersian@secondTitle .. 4586,
4860
\XePersian@section . 4539, 4544,
5168
\XePersian@setlength 3442, 3485,
3487, 3488, 3502, 3504, 3505,
3519, 3521, 3522, 3578, 3580,
3594, 3596, 3609, 3611, 3624,
3626, 3640, 3686, 3688, 3690,
3701
\XePersian@shellescape ... 2944
\XePersian@shortarticleItemTitle
..... 4657, 5261
\XePersian@shortarticleSubtitle
..... 4655, 5241
\XePersian@shortarticleTit 5233,
5248
\XePersian@shortarticleTitle .
..... 4653, 5237
\XePersian@sn . 5782, 5881, 5893,
5894, 5897, 5898, 5907, 5912
\XePersian@strutilg . 3395, 3398,
3413, 3414, 3418, 3419, 3426,
3427, 3430, 4382, 4385
\XePersian@tartibi . 3874, 3959
\XePersian@tcl . 3393, 3398, 3400,
3401, 3402, 3403, 3406, 3407,
3408, 3412, 3413, 3414, 3417,
3418, 3419, 3424, 3425
\XePersian@temp 5776, 5787, 5788,
5789, 5791, 5795, 5796, 5797,
5800, 5801, 5802, 5803, 5825,
5826, 5827, 5830, 5831, 5833,
5836, 5837, 5841, 5842, 5845,
5848, 5853, 5858, 5860, 5861,
5863
\XePersian@tempa 4090, 4098, 4106,
4114, 4121, 4129, 4136, 4143,
4149, 4161, 4167, 4173, 4177,
4181, 4187, 4200, 4212, 4224,
4266, 4273, 4280, 4287, 4302,
4312
\XePersian@tempb 4090, 4091, 4098,



4099, 4106, 4107, 4114, 4115,
 4121, 4122, 4129, 4130, 4136,
 4137, 4143, 4144, 4149, 4150,
 4161, 4162, 4167, 4168, 4173,
 4174, 4177, 4178, 4181, 4182,
 4187, 4188, 4200, 4201, 4212,
 4213, 4224, 4225, 4266, 4267,
 4273, 4274, 4280, 4281, 4287,
 4288, 4302, 4303, 4312, 4313
 \XePersian@tempthree 5778, 5839,
 5840, 5841, 5843, 5846, 5849,
 5850, 5854, 5857, 5858, 5859,
 5860
 \XePersian@temptwo . 5777, 5827,
 5828, 5829, 5830, 5833, 5834,
 5835, 5836, 5843, 5844, 5845,
 5846, 5847, 5848, 5850, 5851,
 5852, 5853, 5854, 5855, 5856,
 5857
 \xepersian@textdigitfont 3017,
 3043, 4306
 \xepersian@thirdSubtitle 4614,
 4897
 \xepersian@thirdText . 4617, 4904
 \xepersian@thirdTitle 4605, 4893
 \XePersian@thirtytwo 5780, 5824,
 5831
 \xepersian@tmp 4078, 4079
 \xepersian@V 1562, 1600
 \xepersian@value 4081, 4084
 \xepersian@version . 2866, 2868,
 2885, 2903, 2905, 2911, 2917,
 3711, 3715
 \xepersian@weather . . 4534, 4969
 \xepersian@www 4504, 4777
 \xepersian@wwwFormat . 4503, 4505
 \XePersian@y 5761, 5786, 5787, 5790,
 5800, 5803, 5825, 5839, 5902,
 5905, 5916, 5918
 \xepersian@yekani . . 3817, 3845,
 3849, 3856, 3859, 3918
 \xepersian@yekanii . 3768, 3830,
 3855, 3931
 \xepersian@yekaniiiii . 3826, 3858,
 3927
 \xepersian@yekaniv . 3837, 3861,
 3938
 \xepersian@yekanv . . . 3950, 3966
 \XePersian@yModHundred . . 5779,
 5790, 5791, 5792, 5795, 5799
 \xepersian@zwj . . 1554, 1566, 1579
 \xepersiandate . 2867, 2868, 2885,
 3711
 \xepersianInit 4460, 4761
 \xepersianversion 2902
 \XeTeXcharclass 1588
 \XeTeXcharglyph 1570, 1572, 1576,
 1578, 3401, 3402, 3403, 3406,
 3407, 3408, 3412, 3413, 3414,
 3417, 3418, 3419
 \XeTeXglyphbounds . . 1569, 1571,
 1575, 1577, 3401, 3402, 3403,
 3406, 3407, 3408, 3412, 3413,
 3414, 3417, 3418, 3419
 \XeTeXinterchartoks . 1602, 1603,
 1604, 1605, 1606, 1607, 1608,
 1609, 3025, 3026, 3027, 3028,
 3029, 3030, 3032, 3033, 3034,
 3035, 3036, 3037, 3038, 3039
 \xpg@warning 3972, 3977, 3979

 Y
 \y 2930, 2932, 2934
 \year 5786

 Z
 \z 2931, 2932
 \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, 2763, 2764,
 2767, 2768, 3027, 3028, 3348,
 3349, 3358, 3359, 3398, 3401,
 3406, 3412, 3417, 3443, 3444,
 3445, 3451, 3458, 3459, 3465,
 3487, 3504, 3521, 3642, 3651,
 3695, 3812, 3814, 3816, 3820,
 3836, 3839, 3845, 3913, 3915,
 3917, 3921, 3937, 3940, 3950,
 3979, 4001, 4005, 4009, 4012,
 4077, 5837

 ☒
 \ 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

