



# The XePersian *Package*

Source documentation for [version 21.3](#)

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

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# The XePersian *Package*

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

Source documentation for [version 21.3](#)

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August 12, 2018

### Contents

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

35	File kashida-xepersian.def	32	48	File refrep-xepersian.def	53
36	File listings-xepersian.def	33	49	File report-xepersian.def	53
37	File loadingorder-xepersian.def	33	50	File scrartcl-xepersian.def	53
38	File localise-xepersian.def	34	51	File scrbook-xepersian.def	54
39	File memoir-xepersian.def	36	52	File scrreprt-xepersian.def	54
40	File latex-localise-messages-xepersian.def	36	53	File scrbook-xepersian.def	55
41	File minitoc-xepersian.def	36	54	File tkz-linknodes-xepersian.def	55
42	File latex-localise-misc-xepersian.def	36	55	File tocloft-xepersian.def	56
43	File natbib-xepersian.def	44	56	File xepersian.sty	56
44	File packages-localise-xepersian.def	45	57	File xepersian-magazine.cls	85
45	File parsidigits.map	51	58	File xepersian-mathsdigitspec.sty	103
46	File rapport1-xepersian.def	52	59	File xepersian-multiplechoice.sty	108
47	File rapport3-xepersian.def	52	60	File xepersian-persiancal.sty	111

## 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 L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{@alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}
210 \eqcommand{ }{arrayrulecolor}
211 \eqcommand{ }{arraycolsep}
212 \eqcommand{ }{arrayrulewidth}
213 \eqcommand{ }{arraystretch}
214 \eqcommand{ }{AtBeginDocument}
215 \eqcommand{ }{AtEndDocument}
216 \eqcommand{ }{AtEndOfClass}
217 \eqcommand{ }{AtEndOfPackage}
218 \eqcommand{ }{author}
219 \eqcommand{ }{backmatter}
220 \eqcommand{ }{backslash}
221 \eqcommand{ }{badness}
222 \eqcommand{ }{bar}
```





```

223 \eqcommand{      }{baselineskip}
224 \eqcommand{      }{baselinestretch}
225 \eqcommand{      }{batchmode}
226 \eqcommand{ }{begin}
227 \eqcommand{   }{beginL}
228 \eqcommand{   }{beginR}
229 \eqcommand{   }{begingroup}
230 \eqcommand{      }{belowdisplayshortskip}
231 \eqcommand{      }{belowdisplayskip}
232 \eqcommand{ }{bf}
233 \eqcommand{      }{bfdefault}
234 \eqcommand{      }{bfseries}
235 \eqcommand{   }{bgroup}
236 \eqcommand{   }{bibitem}
237 \eqcommand{      }{bibliography}
238 \eqcommand{      }{bibliographystyle}
239 \eqcommand{      }{bibname}
240 \eqcommand{   }{bigskip}
241 \eqcommand{      }{bigskipamount}
242 \eqcommand{      }{botfigrule}
243 \eqcommand{      }{botmark}
244 \eqcommand{      }{bottompageskip}
245 \eqcommand{      }{bottomfraction}
246 \eqcommand{ }{box}
247 \eqcommand{      }{boxmaxdepth}
248 \eqcommand{   }{break}
249 \eqcommand{   }{bullet}
250 \eqcommand{ @ }{@cclv}
251 \eqcommand{ @ }{@cclvi}
252 \eqcommand{   }{caption}
253 \eqcommand{   }{catcode}
254 \eqcommand{   }{cc}
255 \eqcommand{      }{ccname}
256 \eqcommand{   }{cdot}
257 \eqcommand{   }{cdots}
258 \eqcommand{      }{centering}
259 \eqcommand{   }{centerline}
260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{      }{chaptername}
263 \eqcommand{   }{char}
264 \eqcommand{      }{chardef}
265 \eqcommand{      }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{      }{ClassError}
268 \eqcommand{      }{ClassInfo}
269 \eqcommand{      }{ClassWarning}
270 \eqcommand{      }{ClassWarningNoLine}
271 \eqcommand{      }{cleaders}
272 \eqcommand{      }{cleardoublepage}

```



```

273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @}{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}
300 \eqcommand{ }{dashbox}
301 \eqcommand{ }{dashv}
302 \eqcommand{@}{@date}
303 \eqcommand{ }{date}
304 \eqcommand{ }{day}
305 \eqcommand{ }{dblbotfigrule}
306 \eqcommand{ }{dblbottomfraction}
307 \eqcommand{ }{dblfigrule}
308 \eqcommand{ }{dblfloatpagefraction}
309 \eqcommand{ }{dblfloatsep}
310 \eqcommand{ }{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{ }{fancy page}
407 \eqcommand{ }{fbox}
408 \eqcommand{ }{fboxrule}
409 \eqcommand{ }{fboxsep}
410 \eqcommand{ }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{ }{figurename}
413 \eqcommand{ }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{ }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{ }{floatpagefraction}
418 \eqcommand{ }{floatingpenalty}
419 \eqcommand{ }{floatsep}
420 \eqcommand{ }{flushbottom}
421 \eqcommand{ }{fmtname}
422 \eqcommand{ }{fmtversion}

```



```

423 \eqcommand{ }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{ }{fontdimen}
426 \eqcommand{ }{fontencoding}
427 \eqcommand{ }{fontfamily}
428 \eqcommand{ }{fontname}
429 \eqcommand{ }{fontseries}
430 \eqcommand{ }{fontshape}
431 \eqcommand{ }{fontsize}
432 \eqcommand{ }{footheight}
433 \eqcommand{ }{footins}
434 \eqcommand{ }{footnote}
435 \eqcommand{ }{footnotemark}
436 \eqcommand{ }{footnoterule}
437 \eqcommand{ }{footnotesep}
438 \eqcommand{ }{footnotesize}
439 \eqcommand{ }{footnotetext}
440 \eqcommand{ }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{ }{framebox}
443 \eqcommand{ }{frenchspacing}
444 \eqcommand{ }{frontmatter}
445 \eqcommand{ }{futurelet}
446 \eqcommand{@ }{@gobble}
447 \eqcommand{@ }{@gobbletwo}
448 \eqcommand{@ }{@gobblefour}
449 \eqcommand{@ }{@gtempa}
450 \eqcommand{@ }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{ }{GenericInfo}
453 \eqcommand{ }{GenericWarning}
454 \eqcommand{ }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{ }{globaldefs}
457 \eqcommand{ }{glossary}
458 \eqcommand{ }{glossaryentry}
459 \eqcommand{ }{goodbreak}
460 \eqcommand{ }{graphpaper}
461 \eqcommand{ }{guillemotleft}
462 \eqcommand{ }{guillemotright}
463 \eqcommand{ }{guilsinglleft}
464 \eqcommand{ }{guilsinglright}
465 \eqcommand{ }{halign}
466 \eqcommand{ }{hang}
467 \eqcommand{ }{hangafter}
468 \eqcommand{ }{hangindent}
469 \eqcommand{ }{hbadness}
470 \eqcommand{ }{hbox}
471 \eqcommand{ }{headheight}
472 \eqcommand{ }{headsep}

```



```

473 \eqcommand{ }{headtoname}
474 \eqcommand{ }{heartsuit}
475 \eqcommand{ }{height}
476 \eqcommand{ }{hfil}
477 \eqcommand{ }{hfill}
478 \eqcommand{ }{hfilneg}
479 \eqcommand{ }{hfuzz}
480 \eqcommand{ }{hideskip}
481 \eqcommand{ }{hidewidth}
482 \bidi@csletcs{ }{hline}% this is an exception
483 \eqcommand{ }{hoffset}
484 \eqcommand{ }{holdinginserts}
485 \eqcommand{ }{hrboxsep}
486 \eqcommand{ }{hrule}
487 \eqcommand{ }{hrulefill}
488 \eqcommand{ }{hsize}
489 \eqcommand{ }{hskip}
490 \eqcommand{ }{hspace}
491 \eqcommand{ }{hss}
492 \eqcommand{ }{ht}
493 \eqcommand{ }{huge}
494 \eqcommand{ }{Huge}
495 \eqcommand{ }{hyperlink}
496 \eqcommand{ }{hypersetup}
497 \eqcommand{ }{hypertarget}
498 \eqcommand{ }{hyphenation}
499 \eqcommand{ }{hyphenchar}
500 \eqcommand{ }{hyphenpenalty}
501 \eqcommand{@ }{@ifclassloaded}
502 \eqcommand{@ }{@ifdefinable}
503 \eqcommand{@ }{@ifnextchar}
504 \eqcommand{@ }{@ifpackageloaded}
505 \eqcommand{@ }{@ifstar}
506 \eqcommand{@ }{@ifundefined}
507 \eqcommand{ }{if}
508 \eqcommand{ @ }{if@tempswa}
509 \eqcommand{ }{ifcase}
510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}

```



```

523 \eqcommand{      }{ifthenelse}
524 \eqcommand{      }{iftrue}
525 \eqcommand{      }{ifvbox}
526 \eqcommand{      }{ifvmode}
527 \eqcommand{      }{ifvoid}
528 \eqcommand{      }{ifx}
529 \eqcommand{      }{ignorespaces}
530 \eqcommand{      }{immediate}
531 \eqcommand{      }{include}
532 \eqcommand{      }{includegraphics}
533 \eqcommand{      }{includeonly}
534 \eqcommand{      }{indent}
535 \eqcommand{      }{index}
536 \eqcommand{      }{indexentry}
537 \eqcommand{      }{indexname}
538 \eqcommand{      }{indexspace}
539 \eqcommand{      }{input}
540 \eqcommand{      }{InputIfFileExists}
541 \eqcommand{      }{inputlineno}
542 \eqcommand{      }{insert}
543 \eqcommand{      }{insertpenalties}
544 \eqcommand{      }{interfootnotelinepenalty}
545 \eqcommand{      }{interdisplaylinepenalty}
546 \eqcommand{      }{interlinepenalty}
547 \eqcommand{      }{intertext}
548 \eqcommand{      }{intertextsep}
549 \eqcommand{      }{invisible}
550 \eqcommand{      }{itdefault}
551 \eqcommand{      }{itshape}
552 \eqcommand{      }{item}
553 \eqcommand{      }{itemindent}
554 \eqcommand{      }{itemsep}
555 \eqcommand{      }{iterate}
556 \eqcommand{      }{itshape}
557 \eqcommand{      }{jobname}
558 \eqcommand{      }{jot}
559 \eqcommand{      }{kern}
560 \eqcommand{      }{kill}
561 \eqcommand{      }{label}
562 \eqcommand{      }{labelenumi}
563 \eqcommand{      }{labelenumii}
564 \eqcommand{      }{labelenumiii}
565 \eqcommand{      }{labelenumiv}
566 \eqcommand{      }{labelitemi}
567 \eqcommand{      }{labelitemii}
568 \eqcommand{      }{labelitemiii}
569 \eqcommand{      }{labelitemiv}
570 \eqcommand{      }{labelsep}
571 \eqcommand{      }{labelwidth}
572 \eqcommand{      }{language}

```



```

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

```





```

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

```



```

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

```



```

723 \eqcommand{      }\{nonstopmode\}
724 \eqcommand{      }\{nonfrenchspacing\}
725 \eqcommand{      }\{nonumber\}
726 \eqcommand{      }\{nopagebreak\}
727 \eqcommand{      }\{normalbaselines\}
728 \eqcommand{      }\{normalbaselineskip\}
729 \eqcommand{      }\{normalcolor\}
730 \eqcommand{      }\{normalfont\}
731 \eqcommand{      }\{normallineskip\}
732 \eqcommand{      }\{normallineskiplimit\}
733 \eqcommand{      }\{normalmarginpar\}
734 \eqcommand{      }\{normalsize\}
735 \eqcommand{      }\{notag\}
736 \eqcommand{      }\{null\}
737 \eqcommand{      }\{nullfont\}
738 \eqcommand{      }\{number\}
739 \eqcommand{      }\{numberline\}
740 \eqcommand{      }\{numberwithin\}
741 \eqcommand{      }\{@evenfoot\}
742 \eqcommand{      }\{@evenhead\}
743 \eqcommand{      }\{@oddfoot\}
744 \eqcommand{      }\{@oddhead\}
745 \eqcommand{      }\{@outeqntrue\}
746 \eqcommand{      }\{@outeqnfalse\}
747 \eqcommand{      }\{obeylines\}
748 \eqcommand{      }\{obeyspaces\}
749 \eqcommand{      }\{oddsidemargin\}
750 \eqcommand{      }\{offinterlineskip\}
751 \eqcommand{      }\{omit\}
752 \eqcommand{@      }\{@onlypreamble\}
753 \eqcommand{      }\{onecolumn\}
754 \eqcommand{      }\{onlynotes\}
755 \eqcommand{      }\{onlyslides\}
756 \eqcommand{      }\{openin\}
757 \eqcommand{      }\{openout\}
758 \eqcommand{      }\{OptionNotUsed\}
759 \eqcommand{      }\{or\}
760 \eqcommand{      }\{outer\}
761 \eqcommand{      }\{output\}
762 \eqcommand{      }\{outputpenalty\}
763 \eqcommand{      }\{overfullrule\}
764 \eqcommand{@      }\{@preamblecmds\}
765 \eqcommand{@ }{p@}
766 \eqcommand{      }\{PackageError\}
767 \eqcommand{      }\{PackageInfo\}
768 \eqcommand{      }\{PackageWarning\}
769 \eqcommand{      }\{PackageWarningNoLine\}
770 \eqcommand{      }\{pagebreak\}
771 \eqcommand{      }\{pagecolor\}
772 \eqcommand{      }\{pagedepth\}

```



```

773 \eqcommand{      }{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{ }{quad}
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{      }{snlfontlocatecode}
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{     }{\thisfancy page}
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{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
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{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}
1155 \eqcommand{ }{rl}
1156 \eqcommand{ }{RLE}
1157 \eqcommand{ }{RTLdblcol}
1158 \eqcommand{ }{RTLfootnote}
1159 \eqcommand{ }{RTLfootnotetext}
1160 \eqcommand{ }{RTLthanks}
1161 \eqcommand{@ }{@SepMark}
1162 \eqcommand{ }{SepMark}
1163 \eqcommand{ }{setdefaultbibitems}
1164 \eqcommand{ }{setdefaultmarginpar}
1165 \eqcommand{ }{setmathdigitfont}
1166 \eqcommand{ }{setfootnoteLR}

```



```

1167 \eqcommand{           }\setfootnoterL}
1168 \eqcommand{           }\setlatintextfont}
1169 \eqcommand{           }\setLTR}
1170 \eqcommand{           }\setLTRbibitems}
1171 \eqcommand{           }\setLTRmarginpar}
1172 \eqcommand{           }\setRTL}
1173 \eqcommand{           }\setRTLbibitems}
1174 \eqcommand{           }\setRTLmarginpar}
1175 \eqcommand{           }\settextfont}
1176 \eqcommand{           }\settextwidthfootnoterule}
1177 \eqcommand{           }\settwocolumnstableofcontents}
1178 \eqcommand{           }\unsetfootnoterL}
1179 \eqcommand{           }\unsetLTR}
1180 \eqcommand{           }\unsetRTL}
1181 \eqcommand{           }\vboxL}
1182 \eqcommand{           }\vboxR}
1183 \eqcommand{           }\XeLaTeX}
1184 \eqcommand{           }\XePersian}
1185 \eqcommand{           }\xepersianversion}
1186 \eqcommand{           }\xepersiandate}
1187 \eqcommand{           }\XeTeX}

```

```

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

```

```

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

```



```

1211 \SetEnumerateShortLabel{ }{\tartibi*}
1212 \SetEnumerateShortLabel{ }{\adadi*}
1213 \SetEnumerateShortLabel{ }{\harfi*}
1214 \SetEnumerateShortLabel{ }{\Abjad*}
1215 \SetEnumerateShortLabel{ }{\abjad*}

```

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

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation]
1217 \eqenvironment{ }{abstract}
1218 \eqenvironment{ }{appendix}
1219 \eqenvironment{ }{array}
1220 \eqenvironment{ }{center}
1221 \eqenvironment{ }{description}
1222 \eqenvironment{ }{displaymath}
1223 \eqenvironment{ }{document}
1224 \eqenvironment{ }{enumerate}
1225 \eqenvironment{ }{figure}
1226 \eqenvironment{ *}{figure*}
1227 \eqenvironment{ }{filecontents}
1228 \eqenvironment{ *}{filecontents*}
1229 \eqenvironment{ }{flushleft}
1230 \eqenvironment{ }{flushright}
1231 \eqenvironment{ }{itemize}
1232 \eqenvironment{ }{letter}
1233 \eqenvironment{ }{list}
1234 \eqenvironment{ }{longtable}
1235 \eqenvironment{ }{lrbox}
1236 \eqenvironment{ }{math}
1237 \eqenvironment{ }{matrix}
1238 \eqenvironment{ }{minipage}
1239 \eqenvironment{ }{multline}
1240 \eqenvironment{ }{note}
1241 \eqenvironment{ }{overlay}
1242 \eqenvironment{ }{picture}
1243 \eqenvironment{ }{quotation}
1244 \eqenvironment{ }{quote}
1245 \eqenvironment{ }{slide}
1246 \eqenvironment{ }{sloppypar}
1247 \eqenvironment{ }{split}
1248 \eqenvironment{ }{subarray}
1249 \eqenvironment{ }{tabbing}
1250 \eqenvironment{ }{table}
1251 \eqenvironment{ *}{table*}
1252 \eqenvironment{ }{tabular}
1253 \eqenvironment{ *}{tabular*}
1254 \eqenvironment{ }{thebibliography}
1255 \eqenvironment{ }{theindex}
1256 \eqenvironment{ }{titlepage}
1257 \eqenvironment{ }{trivlist}

```



```
1258 \eqenvironment{ }{verse}
```

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

```
1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
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 extrafo
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 flowfram-xepersian.def

```

1299 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1300 \def\@outputpage{%
1301 \begingroup
1302   \let\protect\noexpand
1303   \@resetactivechars
1304   \global\let\@@if@newlist@if@newlist
1305   \global\@newlistfalse\@parboxrestore
1306   \shipout\vbox{\set@typeset@protect
1307     \aftergroup
1308     \endgroup
1309     \aftergroup
1310     \set@typeset@protect
1311     \reset@font\normalsize\normalsfcodes
1312     \let\label\@gobble
1313     \let\index\@gobble
1314     \let\glossary\@gobble
1315     \baselineskip\z@skip
1316     \lineskip\z@skip
1317     \lineskiplimit\z@
1318     \vskip\topmargin\moveright\@themargin
1319     \vbox{%
1320       \vskip\headheight
1321       \vskip\headsep
1322       \box\@outputbox
1323     }}%
1324   \global\let@if@newlist\@@if@newlist
1325   \stepcounter{page}%
1326   \setcounter{displayedframe}{0}%
1327   \let\firstmark\botmark}

```

## 30 File footnote-xepersian.def

```

1328 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1329
1330 \renewcommand*{\bidi@footnotetext@font}{\footnotesize@if@RTL@footnote\else\resetlatinfont\fi}
1331
1332 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1333
1334 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1335

```



### 31 File framed-xepersian.def

```
1336 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package f
1337 \renewenvironment{titled-frame}[1]{%
1338   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1339     \TitleBarFrame{\textbf{#1}}}%
1340   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1341     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1342   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1343     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@R
1344   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1345     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1346   \MakeFramed{\advance\hsize-20pt \FrameRestore}%
1347 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1348 % could interfere with the width measurement.
1349 {\endMakeFramed}
```

### 32 File glossaries-xepersian.def

```
1350 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1351 \glsaddprotectedpagefmt{@harfi}
1352 \glsaddprotectedpagefmt{@tartibi}
1353 \glsaddprotectedpagefmt{@adadi}
```

### 33 File hyperref-xepersian.def

```
1354 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1355 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1356 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1357 \def\itemautorefname{\if@RTL else\ item\fi}%
1358 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1359 \def\tableautorefname{\if@RTL else\ Table\fi}%
1360 \def\partautorefname{\if@RTL else\ Part\fi}%
1361 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1362 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1363 \def\sectionautorefname{\if@RTL else\ section\fi}%
1364 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1365 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1366 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1367 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1368 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1369 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1370 \def\pageautorefname{\if@RTL else\ page\fi}%
1371 \AtBeginDocument{%
1372 \let\HyOrg@appendix\appendix
1373 \def\appendix{%
1374   \ltx@ifundefined{chapter}%
1375     {\gdef\theHsection{\Alph{section}}}%
1376     {\gdef\theHchapter{\Alph{chapter}}}%
1377   \xdef\Hy@chapapp{\Hy@appendixstring}%

```





```

1378 \HyOrg@appendix
1379 }
1380 }
1381 \pdfstringdefDisableCommands{%
1382 \let\lr\@firstofone
1383 \let\rl\@firstofone
1384 \def\XePersian{\XePersian}
1385 }
1386 \ltx@ifundefined{@resets@pp}{%
1387 }{%
1388 \let\HyOrg@resets@pp\@resets@pp
1389 \def\@resets@pp{%
1390 \ltx@ifundefined{chapter}{%
1391 \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1392 }{%
1393 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1394 }%
1395 \xdef\Hy@chapapp{\Hy@appendixstring}%
1396 \HyOrg@resets@pp
1397 }%
1398 }

```

## 34 File `imsproc-xepersian.def`

```

1399 \ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc class f
1400
1401 \renewcommand \thepart {\@tartibi\c@part}
1402 \def\appendix{\par\c@section\z@ \c@subsection\z@
1403 \let\sectionname\appendixname
1404 \def\thesection{\@harfi\c@section}}
1405

```

## 35 File `kashida-xepersian.def`

```

1406 \ProvidesFile{kashida-xepersian.def}[2018/01/04 v0.6 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwj="200D % zero-width joiner
1408 \chardef\xepersian@kashidachar="0640 % kashida
1409
1410 \chardef\xepersian@D=10 % dual-joiner class
1411 \chardef\xepersian@L=11 % lam
1412 \chardef\xepersian@R=12 % right-joiner
1413 \chardef\xepersian@A=13 % alef
1414 \chardef\xepersian@H=14 % heh
1415 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1416 \newif\if@Kashida@on
1417 \newif\if@Kashida@XB@fix
1418 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1419 \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@kashidachar dep
1420
1421 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1422 \expandafter\dosetclass\charlist,\end}
1423 \def\dosetclass#1,#2\end{%
1424 \def\test{#1}\def\charlist{#2}%
1425 \ifx\test\empty\let\next\finishsetclass
1426 \else \XeTeXcharclass "\test = \theclass
1427 \let\next\dosetclass \fi
1428 \expandafter\next\charlist,,\end}
1429 \def\finishsetclass#1,,\end{}
1430
1431 \setclass \xepersian@A {0622,0623,0625,0627}
1432 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1433 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1434 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1435 %\setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1436 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0649,064A}
1437 \setclass \xepersian@H {0647}
1438 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1439 \setclass \xepersian@L {0644}
1440 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1441
1442 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@H \xepersian@D = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1444 \XeTeXinterchartoks \xepersian@D \xepersian@H = {\xepersian@kashida}
1445 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1446 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1447 \XeTeXinterchartoks \xepersian@L \xepersian@H = {\xepersian@kashida}
1448 \XeTeXinterchartoks \xepersian@H \xepersian@L = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1449 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1450 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1451 \XeTeXinterchartoks \xepersian@H \xepersian@R = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1452 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1453 \XeTeXinterchartoks \xepersian@H \xepersian@A = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1454 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1455 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1456
1457 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1458 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1459
1460 \newcommand{\KashidaXBFixOn}{\@Kashida@XB@fixtrue}
1461 \newcommand{\KashidaXBFixOff}{\@Kashida@XB@fixfalse}
1462 \KashidaOn

```

## 36 File listings-xepersian.def

```

1463 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1464 \def\lstlistingname{\if@RTL else\ Listing\fi}
1465 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

## 37 File loadingorder-xepersian.def



```

1466 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1467 \bidi@isloaded{algorithmic}
1468 \bidi@isloaded{algorithm}
1469 \bidi@isloaded{backref}
1470 \bidi@isloaded{enumerate}
1471 \bidi@isloaded{enumitem}
1472 \bidi@isloaded{tocloft}
1473 \bidi@isloaded{url}
1474 \AtBeginDocument{
1475   \if@bidi@algorithmicloaded@ \else
1476     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1477   \fi%
1478   \if@bidi@algorithmloaded@ \else
1479     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1480   \fi%
1481   \if@bidi@backrefloaded@ \else
1482     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1483   \fi%
1484   \if@bidi@enumerateloaded@ \else
1485     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1486   \fi%
1487   \if@bidi@enumitemloaded@ \else
1488     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1489   \fi%
1490   \if@bidi@tocloftloaded@ \else
1491     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1492   \fi%
1493   \if@bidi@urlloaded@ \else
1494     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1495   \fi%
1496 }

```

### 38 File localise-xepersian.def

```

1497 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1498 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1499 \makezwnjletter
1500 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1501 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1502 \@ifpackageloaded{keyval}{%
1503 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1504   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1505   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1506 }{\@ifpackageloaded{xkeyval}{%
1507 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1508   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1509   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1510 }{}}
1511 \input{latex-localise-commands-xepersian.def}
1512 \input{xepersian-localise-commands-xepersian.def}

```



```

1513 \input{latex-localise-environments-xepersian.def}
1514 \input{xepersian-localise-environments-xepersian.def}
1515 \input{latex-localise-messages-xepersian.def}
1516 \input{latex-localise-misc-xepersian.def}
1517 \input{packages-localise-xepersian.def}
1518 \aliasfontfeature{ExternalLocation}{ }
1519 \aliasfontfeature{ExternalLocation}{ }
1520 \aliasfontfeature{Renderer}{ }
1521 \aliasfontfeature{BoldFont}{ }
1522 \aliasfontfeature{Language}{ }
1523 \aliasfontfeature{Script}{ }
1524 \aliasfontfeature{UprightFont}{ }
1525 \aliasfontfeature{ItalicFont}{ }
1526 \aliasfontfeature{BoldItalicFont}{ }
1527 \aliasfontfeature{SlantedFont}{ }
1528 \aliasfontfeature{BoldSlantedFont}{ }
1529 \aliasfontfeature{SmallCapsFont}{ }
1530 \aliasfontfeature{UprightFeatures}{ }
1531 \aliasfontfeature{BoldFeatures}{ }
1532 \aliasfontfeature{ItalicFeatures}{ }
1533 \aliasfontfeature{BoldItalicFeatures}{ }
1534 \aliasfontfeature{SlantedFeatures}{ }
1535 \aliasfontfeature{BoldSlantedFeatures}{ }
1536 \aliasfontfeature{SmallCapsFeatures}{ }
1537 \aliasfontfeature{SizeFeatures}{ }
1538 \aliasfontfeature{Scale}{ }
1539 \aliasfontfeature{WordSpace}{ }
1540 \aliasfontfeature{PunctuationSpace}{ }
1541 \aliasfontfeature{FontAdjustment}{ }
1542 \aliasfontfeature{LetterSpace}{ }
1543 \aliasfontfeature{HyphenChar}{ }
1544 \aliasfontfeature{Color}{ }
1545 \aliasfontfeature{Opacity}{ }
1546 \aliasfontfeature{Mapping}{ }
1547 \aliasfontfeature{Weight}{ }
1548 \aliasfontfeature{Width}{ }
1549 \aliasfontfeature{OpticalSize}{ }
1550 \aliasfontfeature{FakeSlant}{ }
1551 \aliasfontfeature{FakeStretch}{ }
1552 \aliasfontfeature{FakeBold}{ }
1553 \aliasfontfeature{AutoFakeSlant}{ }
1554 \aliasfontfeature{AutoFakeBold}{ }
1555 \aliasfontfeature{Ligatures}{ }
1556 \aliasfontfeature{Alternate}{ }
1557 \aliasfontfeature{Variant}{ }
1558 \aliasfontfeature{Variant}{ }
1559 \aliasfontfeature{CharacterVariant}{ }
1560 \aliasfontfeature{Style}{ }
1561 \aliasfontfeature{Annotation}{ }
1562 \aliasfontfeature{RawFeature}{ }

```



```

1563 \aliasfontfeature{CharacterWidth}{      }
1564 \aliasfontfeature{Numbers}{      }
1565 \aliasfontfeature{Contextuals}{      }
1566 \aliasfontfeature{Diacritics}{      }
1567 \aliasfontfeature{Letters}{      }
1568 \aliasfontfeature{Kerning}{      }
1569 \aliasfontfeature{VerticalPosition}{      }
1570 \aliasfontfeature{Fractions}{      }
1571 \aliasfontfeatureoption{Language}{Default}{      }
1572 \aliasfontfeatureoption{Language}{Parsi}{      }
1573 \aliasfontfeatureoption{Script}{Parsi}{      }
1574 \aliasfontfeatureoption{Script}{Latin}{      }
1575 \aliasfontfeatureoption{Style}{MathScript}{      }
1576 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

### 39 File memoir-xepersian.def

```

1577 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1578 \renewcommand{\@memfront}{%
1579   \@smemfront\pagenumbering{harfi}}
1580 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1581 \renewcommand*{\thebook}{\@tartibi\c@book}
1582 \renewcommand*{\thepart}{\@tartibi\c@part}
1583 \renewcommand{\appendix}{\par
1584   \setcounter{chapter}{0}%
1585   \setcounter{section}{0}%
1586   \gdef\@chapapp{\appendixname}%
1587   \gdef\thechapter{\@harfi\c@chapter}%
1588   \anappendixtrue}

```

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

```

1589 latex}          \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 41 File minitoc-xepersian.def

```

1590 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1591 \def\ptctitle{\if@RTL else\   Table of Contents\fi}%
1592 \def\plftitle{\if@RTL else\   List of Figures\fi}%
1593 \def\pltttitle{\if@RTL else\   List of Tables\fi}%
1594 \def\mtctitle{\if@RTL else\   Contents\fi}%
1595 \def\mlftitle{\if@RTL else\   Figures\fi}%
1596 \def\mltttitle{\if@RTL else\   Tables\fi}%
1597 \def\stctitle{\if@RTL else\   Contents\fi}%
1598 \def\slftitle{\if@RTL else\   Figures\fi}%
1599 \def\sltttitle{\if@RTL else\   Tables\fi}%

```

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

```

1600 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis

```



```

1601 %}1# \ \
1602 \@ \ @ \ \
1603 \1# \
1604 \1# @\
1605 \1# @\
1606 {@ \ \
1607 %}2#1# @\ \
1608 %1# \ @\ \ \ \
1609 \2# \ @\ \
1610 {{2#1# \}}
1611 undefined\ \ \
1612
1613 %{\ \ \ \ \1#} \ \} \1# \ \
1614 \ { \ \ \
1615 \ \ \
1616
1617
1618 \ \ \ \%} \#1
1619 \1#} \ \ \% \
1620 \ \ \
1621 }%
1622 \
1623 \ \ \
1624 }
1625 \= \ \
1626
1627
1628 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1629 \def\@xfloat #1[#2]{%
1630 \nodocument
1631 \def \@capttype {#1}%
1632 \def \@fps {#2}%
1633 \@onelevel@sanitize \@fps
1634 \def \reserved@b {!}%
1635 \ifx \reserved@b \@fps
1636 \@fpsadddefault
1637 \else
1638 \ifx \@fps \empty
1639 \@fpsadddefault
1640 \fi
1641 \fi
1642 \ifhmode
1643 \@bsphack
1644 \@floatpenalty -\@Mii
1645 \else
1646 \@floatpenalty -\@Miii
1647 \fi
1648 \ifinner
1649 \@parmoderr\@floatpenalty\z@
1650 \else

```



```

1651 \@next\@currbox\@freelist
1652 {%
1653   \@tempcnta \sixt@@n
1654   \expandafter \@tfor \expandafter \reserved@a
1655   \expandafter :\expandafter =\@fps
1656   \do
1657   {%
1658     \if \reserved@a h%
1659     \ifodd \@tempcnta
1660     \else
1661       \advance \@tempcnta \@ne
1662     \fi
1663   \fi
1664   \if \reserved@a %
1665   \ifodd \@tempcnta
1666   \else
1667     \advance \@tempcnta \@ne
1668   \fi
1669 \fi
1670 \if \reserved@a t%
1671 \setfpsbit \tw@
1672 \fi
1673 \if \reserved@a %
1674 \setfpsbit \tw@
1675 \fi
1676 \if \reserved@a b%
1677 \setfpsbit 4%
1678 \fi
1679 \if \reserved@a %
1680 \setfpsbit 4%
1681 \fi
1682 \if \reserved@a p%
1683 \setfpsbit 8%
1684 \fi
1685 \if \reserved@a %
1686 \setfpsbit 8%
1687 \fi
1688 \if \reserved@a !%
1689 \ifnum \@tempcnta>15
1690 \advance\@tempcnta -\sixt@@n\relax
1691 \fi
1692 \fi
1693 }%
1694 \@tempcntb \csname ftype@\@captype \endcsname
1695 \multiply \@tempcntb \@xxxii
1696 \advance \@tempcnta \@tempcntb
1697 \global \count\@currbox \@tempcnta
1698 }%
1699 \@fltovf
1700 \fi

```



```

1701 \global \setbox\@currbox
1702 \color@vbox
1703 \normalcolor
1704 \vbox \bgroup
1705 \hsize\columnwidth
1706 \@parboxrestore
1707 \@floatboxreset
1708 }
1709 \let\bm@ \bm@c
1710 \let\bm@ \bm@l
1711 \let\bm@ \bm@r
1712 \let\bm@ \bm@b
1713 \let\bm@ \bm@t
1714 \let\bm@ \bm@s
1715 \long\def\@iiparbox#1#2[#3]#4#5{%
1716 \leavevmode
1717 \@pboxswfalse
1718 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1719 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1720 \setlength\@tempdima{#4}%
1721 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1722 \ifx\relax#2\else
1723 \setlength\@tempdimb{#2}%
1724 \edef\@parboxto{to\the\@tempdimb}%
1725 \fi
1726 \if#1b\vbox
1727 \else\if#1\vbox
1728 \else\if #1t\vtop
1729 \else\if vtop\ #1
1730 \else\ifmmode\vcenter
1731 \else\@pboxswtrue $\vcenter
1732 \fi\fi\fi\fi\fi
1733 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1734 \csname bm@#3\endcsname}%
1735 \if@pboxsw \m@th$\fi
1736 \@end@tempboxa}
1737 \def\@iiiminipage#1#2[#3]#4{%
1738 \leavevmode
1739 \@pboxswfalse
1740 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1741 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1742 \setlength\@tempdima{#4}%
1743 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1744 \setbox\@tempboxa\vbox\bgroup
1745 \color@begingroup
1746 \hsize\@tempdima
1747 \textwidth\hsize \columnwidth\hsize
1748 \@parboxrestore
1749 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1750 \let\@footnotetext\@mpfootnotetext

```





```

1751 \let\@LTRfootnotetext\@mpLTRfootnotetext
1752 \let\@RTLfootnotetext\@mpRTLfootnotetext
1753 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1754 \@minipagerestore
1755 \setminipage}
1756 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1757 \ifnum \@lastchclass=3 5 \else
1758 \z@ \if #1c\@chnum \z@ \else
1759 \if chnum@ \#1 \z@ \else
1760 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1761 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1762 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1763 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1764 \@chclass \if #1|\@ne \else
1765 \if #1@\tw@ \else
1766 \if #1p3 \else
1767 \if 3 #1 \else \z@ \@preamerr 0\fi
1768 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1769 \fi}%
1770 }{}
1771 \ifdefinitionfileloaded{array-xetex-bidi}{%
1772 \def\@testpach{\@chclass
1773 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1774 \ifnum \@lastchclass=7 5 \else
1775 \ifnum \@lastchclass=8 \tw@ \else
1776 \ifnum \@lastchclass=9 \thr@@
1777 \else \z@
1778 \ifnum \@lastchclass = 10 \else
1779 \edef\@nextchar{\expandafter\string\@nextchar}%
1780 \@chnum
1781 \if \@nextchar c\z@ \else
1782 \if \@nextchar @z\ \else
1783 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1784 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1785 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1786 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1787 \z@ \@chclass
1788 \if \@nextchar |\@ne \else
1789 \if \@nextchar !6 \else
1790 \if \@nextchar @7 \else
1791 \if \@nextchar <8 \else
1792 \if \@nextchar >9 \else
1793 10
1794 \@chnum
1795 \if \@nextchar m\thr@@\else
1796 \if \@nextchar thr@@\else\
1797 \if \@nextchar p4 \else
1798 \if \@nextchar 4 \else
1799 \if \@nextchar b5 \else
1800 \if \@nextchar 5 \else

```



```

1801 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1802 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1803 }{}
1804 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1805 \ifadl@usingarypkg
1806 \def\@testpach{\@chclass
1807 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1808 \ifnum \@lastchclass=7 5 \else
1809 \ifnum \@lastchclass=8 \tw@ \else
1810 \ifnum \@lastchclass=9 \thr@@
1811 \else \z@
1812 \ifnum \@lastchclass = 10 \else
1813 \edef\@nextchar{\expandafter\string\@nextchar}%
1814 \@chnum
1815 \if \@nextchar c\z@ \else
1816 \if \@nextchar @z\ \else
1817 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1818 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1819 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1820 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1821 \z@ \@chclass
1822 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1823 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1824 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1825 \if \@nextchar !6 \else
1826 \if \@nextchar @7 \else
1827 \if \@nextchar <8 \else
1828 \if \@nextchar >9 \else
1829 10
1830 \@chnum
1831 \if \@nextchar m\thr@@\else
1832 \if \@nextchar thr@@\else\
1833 \if \@nextchar p4 \else
1834 \if \@nextchar 4 \else
1835 \if \@nextchar b5 \else
1836 \if \@nextchar 5 \else
1837 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1838 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1839
1840 \def\@classz{\@classx
1841 \@tempcnta \count@
1842 \prepnext@tok
1843 \@addtopreamble{\ifcase \@chnum
1844 \hfil
1845 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1846 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1847 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1848 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1849 \adl@endmbox\or
1850 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or

```



```

1851 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1852 \fi}\prepnext@tok}
1853 \def\adl@class@start{4}
1854 \def\adl@class@iiiorvii{7}
1855
1856 \else
1857 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1858 \ifnum \@lastchclass=\thr@@ 5\relax \else
1859 \z@ \if #1c\@chnum \z@ \else
1860 \if @chnum\z@ #1 \else
1861 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1862 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1863 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1864 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1865 \@chclass
1866 \if #1\@ne \let\@arrayrule\adl@arrayrule \else
1867 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1868 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1869 \if #1\@tw@ \else
1870 \if #1p\thr@@ \else
1871 \if @thr\ #1 \else\z@ \@preamerr 0\fi
1872 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1873
1874 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1875 \or \or \@addamp \or
1876 \@acolampacol \or \@firstampfalse \@acol \fi
1877 \edef\@preamble{\@preamble
1878 \ifcase \@chnum
1879 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1880 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1881 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1882 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1883 \or \or \@addamp \or
1884 \@acolampacol \or \@firstampfalse \@acol \fi
1885 \edef\@preamble{\@preamble
1886 \ifcase \@chnum
1887 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1888 \or \adl@putlrc{\@sharp\unskip}\hfil
1889 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1890 \def\adl@class@start{6}
1891 \def\adl@class@iiiorvii{3}
1892 \fi
1893 }{}
1894 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1895 \def\@testpach{\@chclass
1896 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1897 \ifnum \@lastchclass=7 5 \else
1898 \ifnum \@lastchclass=8 \tw@ \else
1899 \ifnum \@lastchclass=9 \thr@@
1900 \else \z@

```



```

\ifnum \@lastchclass = 10 \else
\edef\@nextchar{\expandafter\string\@nextchar}%
\@chnum
\if \@nextchar c\z@ \else
\if \@nextchar @z\ \else
\if \@nextchar \if@RTLtab r\else l\fi\@ne \else
\if \@nextchar \if@RTLtab else\ fi\@ne\ \else
\if \@nextchar \if@RTLtab l\else r\fi\tw@\ \else
\if \@nextchar \if@RTLtab else\ @fi\tw\ \else
\if \@nextchar C7 \else
\if \@nextchar 7 \else
\if \@nextchar L8 \else
\if \@nextchar 8 \else
\if \@nextchar R9 \else
\if \@nextchar 9 \else
\if \@nextchar J10 \else
\if \@nextchar 10 \else
\z@ \@chclass
\if\@nextchar |\@ne \else
\if \@nextchar !6 \else
\if \@nextchar @7 \else
\if \@nextchar <8 \else
\if \@nextchar >9 \else
10
\@chnum
\if \@nextchar m\thr@@\else
\if \@nextchar thr@@\else\
\if \@nextchar p4 \else
\if \@nextchar4 \else
\if \@nextchar b5 \else
\if \@nextchar 5 \else
\z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi %
\fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \%}
}{}}
\@ifdefinitionfileloaded{float-xetex-bidi}{%
\let\@float@Hx\@xfloat
\def\@xfloat#1[\{@ifnextchar{H}\{\@float@HH#{1}\}\{-\}@ifnextchar{}{}\@float@{1#} []\{\@float@Hx#{1#}
\def\@float@HH#1[H]{%
\expandafter\let\csname end#1\endcsname\float@endH
\let\@currbox\float@box
\def\@capttype{#1}\setbox\@floatcapt=\vbox{%
\expandafter\ifx\csname fst@#1\endcsname\relax
\@flstylefalse\else\@flstyletrue\fi
\setbox\@currbox\color@vbox\normalcolor
\vbox\bgroup \hspace\columnwidth \@parboxrestore
\@floatboxesreset \@setnobreak
\ignorespaces}
\def\@float@[ ]1# {%
\expandafter\let\csname end#1\endcsname\float@endH
\let\@currbox\float@box

```



```

1951 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
1952 \expandafter\ifx\csname fst@#1\endcsname\relax
1953 \@flstylefalse\else\@flstyletrue\fi
1954 \setbox\@currbox\color\vbox\normalcolor
1955 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1956 \floatboxreset \@setnobreak
1957 \ignorespaces}
1958 }{}
1959 \begingroup \catcode `|=0 \catcode `|=1
1960 \catcode`=2 \catcode `={12 \catcode `}=12
1961 \catcode`\=12 \gdef\@x@xepersian@localize@verbatim#1[[ ] |1#]{ }
1962 \gdef\@sx@xepersian@localize@verbatim#1[[* ] |1#]{* }
1963 \endgroup
1964 \def\@frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
1965 \def\end{if@newlist \leavevmode\fi\endtrivlist}
1966 \ExplSyntaxOn
1967 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
1968 \ExplSyntaxOff
1969 \expandafter\let\csname end * \endcsname =\end

```

### 43 File natbib-xepersian.def

```

1970 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1971 \renewcommand\NAT@set@cites{%
1972 \ifNAT@numbers
1973 \ifNAT@super \let\@cite\NAT@citesuper
1974 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1975 \let\citeyearpar=\citeyear
1976 \let\NAT@space\relax
1977 \def\NAT@super@kern{\kern{p}}%
1978 \else
1979 \let\NAT@mbox=\mbox
1980 \let\@cite\NAT@citenum
1981 \let\NAT@space\NAT@spacechar
1982 \let\NAT@super@kern\relax
1983 \fi
1984 \let\@citex\NAT@citexnum
1985 \let\@Latincitex\NAT@Latin@citexnum
1986 \let\@biblabel\NAT@biblabelnum
1987 \let\@bibsetup\NAT@bibsetnum
1988 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1989 \def\natexlab##1{%
1990 \def\NAT@penalty{\penalty\@m}%
1991 \else
1992 \let\@cite\NAT@cite
1993 \let\@citex\NAT@citex
1994 \let\@Latincitex\NAT@Latin@citex
1995 \let\@biblabel\NAT@biblabel
1996 \let\@bibsetup\NAT@bibsetup
1997 \let\NAT@space\NAT@spacechar

```



```

1998 \let\NAT@penalty\@empty
1999 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2000 \def\natexlab##1{##1}%
2001 \fi}
2002 \newcommand\NAT@Latin@citex{}
2003 \def\NAT@Latin@citex%
2004   [#1] [#2] #3{%
2005   \NAT@reset@parser
2006   \NAT@sort@cites{#3}%
2007   \NAT@reset@citea
2008   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2009   \@for\@citeb:=\NAT@cite@list\do
2010   {\@safe@activestrue
2011   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2012   \@safe@activesfalse
2013   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2014     {\reset@font\bfseries ?}\NAT@citeundefined
2015     \PackageWarning{natbib}%
2016     {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
2017   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2018   \NAT@parse{\@citeb}%
2019   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2020     \let\NAT@name=\NAT@all@names
2021     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2022   \fi
2023   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2024     \let\NAT@nm\NAT@name\fi
2025   \ifNAT@swa\ifcase\NAT@ctype
2026     \if\relax\NAT@date\relax
2027       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2028     \else
2029       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2030         \ifx\NAT@last@yr\NAT@year
2031           \def\NAT@temp{?}%
2032           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2033             {Multiple citation on page \thepage: same authors and
2034             year\MessageBreak without distinguishing extra
2035             letter,\MessageBreak appears as question mark}\fi
2036           \NAT@hyper@{\NAT@exlab}%
2037         \else\unskip\NAT@spacechar
2038           \NAT@hyper@{\NAT@date}%
2039         \fi
2040       \else
2041         \@citea\NAT@hyper@{%
2042           \NAT@nmfmt{\NAT@nm}%
2043           \hyper@natlinkbreak{%
2044             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2045           }%
2046           \NAT@date
2047         }%

```



```

2048     \fi
2049   \fi
2050   \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2051   \or\@citea\NAT@hyper@{\NAT@date}%
2052   \or\@citea\NAT@hyper@{\NAT@alias}%
2053   \fi \NAT@def@citea
2054   \else
2055     \ifcase\NAT@ctype
2056     \if\relax\NAT@date\relax
2057       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2058     \else
2059       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2060         \ifx\NAT@last@yr\NAT@year
2061           \def\NAT@temp{{?}}%
2062           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2063             {Multiple citation on page \thepage: same authors and
2064             year\MessageBreak without distinguishing extra
2065             letter,\MessageBreak appears as question mark}\fi
2066           \NAT@hyper@{\NAT@exlab}%
2067         \else
2068           \unskip\NAT@spacechar
2069           \NAT@hyper@{\NAT@date}%
2070         \fi
2071       \else
2072         \@citea\NAT@hyper@{%
2073           \NAT@nmfmt{\NAT@nm}%
2074           \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2075           {\@citeb\@extra@b@citeb}%
2076           \NAT@date
2077         }%
2078       \fi
2079     \fi
2080     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2081     \or\@citea\NAT@hyper@{\NAT@date}%
2082     \or\@citea\NAT@hyper@{\NAT@alias}%
2083     \fi
2084     \if\relax\NAT@date\relax
2085       \NAT@def@citea
2086     \else
2087       \NAT@def@citea@close
2088     \fi
2089   \fi
2090   }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2091   \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2092 \newcommand\NAT@Latin@citexnum{}
2093 \def\NAT@Latin@citexnum[#1][#2]#3{%
2094   \NAT@reset@parser
2095   \NAT@sort@cites{#3}%
2096   \NAT@reset@citea
2097   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty

```



```

2098 \@for\@citeb:=\NAT@cite@list\do
2099 {\@safe@activetrue
2100 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2101 \@safe@activesfalse
2102 \@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2103   {\reset@font\bfseries?}
2104   \NAT@citeundefined\PackageWarning{natbib}%
2105   {Citation `'\@citeb' on page \thepage \space undefined}}%
2106 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2107 \NAT@parse{\@citeb}%
2108 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2109   \let\NAT@name=\NAT@all@names
2110   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2111 \fi
2112 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2113   \let\NAT@nm\NAT@name\fi
2114 \ifNAT@swa
2115   \@ifnum{\NAT@cotype>\@ne}{%
2116     \citea
2117     \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2118   }{%
2119     \@ifnum{\NAT@cmpr>\z@}{%
2120       \NAT@ifcat@num\NAT@num
2121       {\let\NAT@nm=\NAT@num}%
2122       {\def\NAT@nm{-2}}%
2123       \NAT@ifcat@num\NAT@last@num
2124       {\@tempcnta=\NAT@last@num\relax}%
2125       {\@tempcnta\m@ne}%
2126       \@ifnum{\NAT@nm=\@tempcnta}{%
2127         \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2128       }{%
2129         \advance\@tempcnta by\@ne
2130         \@ifnum{\NAT@nm=\@tempcnta}{%
2131           \ifx\NAT@last@yr\relax
2132             \def\NAT@last@yr{\@citea}%
2133           \else
2134             \def\NAT@last@yr{--\NAT@penalty}%
2135           \fi
2136         }{%
2137           \NAT@last@yr@mbox
2138         }%
2139       }%
2140     }{%
2141       \@tempswatrue
2142       \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}%
2143       \if@tempswa\NAT@citea@mbox\fi
2144     }%
2145   }%
2146   \NAT@def@citea
2147 \else

```





```

2148 \ifcase\NAT@ctype
2149 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2150 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2151 \fi
2152 \if*#1*\else#1\NAT@spacechar\fi
2153 \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2154 \NAT@def@citea@box
2155 \or
2156 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2157 \or
2158 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2159 \or
2160 \NAT@hyper@citea@space\NAT@alias
2161 \fi
2162 \fi
2163 }%
2164 }%
2165 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2166 \ifNAT@swa\else
2167 \@ifnum{\NAT@ctype=\z@}{%
2168 \if*#2*\else\NAT@cmt#2\fi
2169 }{}%
2170 \NAT@mbox{\NAT@@close}%
2171 \fi
2172 }{\#1}{\#2}%
2173 }%
2174 \AtBeginDocument{\NAT@set@cites}
2175 \DeclareRobustCommand\Latincite
2176 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2177 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2178 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2179 \ifNAT@numbers\else
2180 \NAT@swafalse
2181 \fi
2182 \NAT@@Latin@@citetp[]}}
2183 \newcommand\NAT@@Latin@@citetp{}
2184 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 44 File packages-localise-xepersian.def

```

2185 packages} \-localise-xepersian.def[2013/04/24 v0.2 localising LaTeX2e Packages]
2186 color} \}{color} @\-localise-xepersian.def}}{}
2187 \@ifpackageloaded{multicol}{%
2188 \newenvironment{ }{\begin{multicols}}{\end{multicols}}}%
2189 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2190 {}{}
2191 \@ifpackageloaded{verbatim}{%
2192 \begingroup
2193 \vrb@catcodes
2194 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}

```



```

2195 \catcode\~=\active \lccode\~=\^^M
2196 \lccode\C=\C
2197 \lowercase{\endgroup
2198 \def\xepersian@localize@verbatim@start#1{%
2199 \verbatim@startline
2200 \if\noexpand#1\noexpand~%
2201 \let\next\xepersian@localize@verbatim@
2202 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2203 \next}%
2204 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2205 \def\xepersian@localize@verbatim@@#1! {%
2206 \verbatim@addtoline{#1}%
2207 \futurelet\next\xepersian@localize@verbatim@@@}%
2208 \def\xepersian@localize@verbatim@@@#1\@nil{%
2209 \ifx\next\@nil
2210 \verbatim@processline
2211 \verbatim@startline
2212 \let\next\xepersian@localize@verbatim@
2213 \else
2214 \def\@tempa##1! \@nil{##1}%
2215 \@temptokena{! }%
2216 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2217 \fi \next}%
2218 \def\xepersian@localize@verbatim@test#1{%
2219 \let\next\xepersian@localize@verbatim@test
2220 \if\noexpand#1\noexpand~%
2221 \expandafter\verbatim@addtoline
2222 \expandafter{\the\@temptokena}%
2223 \verbatim@processline
2224 \verbatim@startline
2225 \let\next\xepersian@localize@verbatim@
2226 \else \if\noexpand#1
2227 \@temptokena\expandafter{\the\@temptokena#1}%
2228 \else \if\noexpand#1\noexpand[%
2229 \let\@tempc\@empty
2230 \let\next\xepersian@localize@verbatim@testend
2231 \else
2232 \expandafter\verbatim@addtoline
2233 \expandafter{\the\@temptokena}%
2234 \def\next{\xepersian@localize@verbatim@#1}%
2235 \fi\fi\fi
2236 \next}%
2237 \def\xepersian@localize@verbatim@testend#1{%
2238 \if\noexpand#1\noexpand~%
2239 \expandafter\verbatim@addtoline
2240 \expandafter{\the\@temptokena[]}%
2241 \expandafter\verbatim@addtoline
2242 \expandafter{\@tempc}%
2243 \verbatim@processline
2244 \verbatim@startline

```



```

2245         \let\next\xepersian@localize@verbatim@
2246     \else\if\noexpand#1\noexpand]%
2247         \let\next\xepersian@localize@verbatim@@testend
2248     \else\if\noexpand#1\noexpand!%
2249         \expandafter\verbatim@addtoline
2250         \expandafter{\the\@temptokena[]}%
2251         \expandafter\verbatim@addtoline
2252         \expandafter{\@tempc}%
2253         \def\next{\xepersian@localize@verbatim@!}%
2254     \else \expandafter\def\expandafter\@tempc\expandafter
2255         {\@tempc#1}\fi\fi\fi
2256     \next}%
2257 \def\xepersian@localize@verbatim@@testend{%
2258     \ifx\@tempc\@currentvir
2259         \verbatim@finish
2260         \edef\next{\noexpand\end{\@currentvir}}%
2261         \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2262     \else
2263         \expandafter\verbatim@addtoline
2264         \expandafter{\the\@temptokena[]}%
2265         \expandafter\verbatim@addtoline
2266         \expandafter{\@tempc}%
2267         \let\next\xepersian@localize@verbatim@
2268     \fi
2269     \next}%
2270 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2271     \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2272 \def\
2273     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2274     \xepersian@localize@verbatim@start}
2275 \def\
2276     {\begingroup\@verbatim\xepersian@localize@verbatim@start}
2277 \def\end
2278     {\endtrivlist\endgroup\@doendpe}
2279 \expandafter\let\csname end
2280     *\endcsname =\end
2281 }-{}
2282 \ExplSyntaxOn
2283 \AtBeginDocument{
2284     \xepersian_localize_patch_verbatim:
2285 }
2286 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2287     \@ifpackageloaded{verbatim}{
2288         \cs_set:cpn {*
2289             } }
2290         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2291     }
2292 }{
2293 }
2294 }
2295 \ExplSyntaxOff
2296 \@ifpackageloaded{graphicx}{%
2297 \def\Gin@boolkey#1#2{%
2298 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%
2299 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%

```



```

2295 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2296 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2297 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2298 \define@key{Grot}{origin}[c]{%
2299 \@tfor\@tempa:=#1\do{%
2300 \if l\@tempa \Grot@x\z@\else
2301 \if tempa@ \Grot@x\z@\else
2302 \if r\@tempa \Grot@x\width\else
2303 \if tempa@ \Grot@x\width\else
2304 \if t\@tempa \Grot@y\height\else
2305 \if tempa@ \Grot@y\height\else
2306 \if b\@tempa \Grot@y-\depth\else
2307 \if tempa@ \Grot@y-\depth\else
2308 \if B\@tempa \Grot@y\z@\else
2309 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2310 {draft}{ }{Gin} @ \
2311 {origin}{ }{Gin} @ \
2312 {origin}{ }{Grot} @ \
2313 {clip}{ }{Gin} @ \
2314 {keepaspectratio}{ }{Gin} @ \
2315 {natwidth}{ }{Gin} @ \
2316 {natheight}{ }{Gin} @ \
2317 {bb}{ }{Gin} @ \
2318 {viewport}{ }{Gin} @ \
2319 {trim}{ }{Gin} @ \
2320 {angle}{ }{Gin} @ \
2321 {width}{ }{Gin} @ \
2322 {height}{ }{Gin} @ \
2323 {totalheight}{ }{Gin} @ \
2324 {scale}{ }{Gin} @ \
2325 {type}{ }{Gin} @ \
2326 {ext}{ }{Gin} @ \
2327 {read}{ }{Gin} @ \
2328 {command}{ }{Gin} @ \
2329 {x}{ }{Grot} @ \
2330 {y}{ }{Grot} @ \
2331 {units}{ }{Grot} @ \
2332 }{ }

```

## 45 File parsidigits.map

```

2333 LHSName "Digits"
2334 RHSName "ParsiDigits"
2335
2336 pass(Unicode)
2337 U+0030 <> U+06F0 ;
2338 U+0031 <> U+06F1 ;
2339 U+0032 <> U+06F2 ;
2340 U+0033 <> U+06F3 ;
2341 U+0034 <> U+06F4 ;

```



```

2342 U+0035 <> U+06F5 ;
2343 U+0036 <> U+06F6 ;
2344 U+0037 <> U+06F7 ;
2345 U+0038 <> U+06F8 ;
2346 U+0039 <> U+06F9 ;
2347
2348
2349 U+002C <> U+060C ; comma > arabic comma
2350 U+003F <> U+061F ; question mark -> arabic qm
2351 U+003B <> U+061B ; semicolon -> arabic semicolon
2352
2353 ; ligatures from Knuth's original CMR fonts
2354 U+002D U+002D <> U+2013 ; -- -> en dash
2355 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2356
2357 U+0027 <> U+2019 ; ' -> right single quote
2358 U+0027 U+0027 <> U+201D ; '' -> right double quote
2359 U+0022 > U+201D ; " -> right double quote
2360
2361 U+0060 <> U+2018 ; ` -> left single quote
2362 U+0060 U+0060 <> U+201C ; `` -> left double quote
2363
2364 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2365 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2366
2367 ; additions supported in T1 encoding
2368 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2369 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2370 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 46 File rapport1-xepersian.def

```

2371 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2372 \renewcommand*\thepart{\@tartibi\c@part}
2373 \renewcommand*\appendix{\par
2374   \setcounter{chapter}{0}%
2375   \setcounter{section}{0}%
2376   \gdef\@chapapp{\appendixname}%
2377   \gdef\thechapter{\@harfi\c@chapter}}

```

## 47 File rapport3-xepersian.def

```

2378 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2379 \renewcommand*\thepart{\@tartibi\c@part}
2380 \renewcommand*\appendix{\par
2381   \setcounter{chapter}{0}%
2382   \setcounter{section}{0}%
2383   \gdef\@chapapp{\appendixname}%
2384   \gdef\thechapter{\@harfi\c@chapter}}

```



## 48 File refrep-xepersian.def

```
2385 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2386 \renewcommand \thepart {\@tartibi\c@part}
2387 \renewcommand\appendix{\par
2388   \setcounter{chapter}{0}%
2389   \setcounter{section}{0}%
2390   \gdef\@chapapp{\appendixname}%
2391   \gdef\thechapter{\@harfi\c@chapter}
2392 }%end appendix
```

## 49 File report-xepersian.def

```
2393 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2394 \renewcommand \thepart {\@tartibi\c@part}
2395 \renewcommand\appendix{\par
2396   \setcounter{chapter}{0}%
2397   \setcounter{section}{0}%
2398   \gdef\@chapapp{\appendixname}%
2399   \gdef\thechapter{\@harfi\c@chapter}
2400 }%end appendix
```

## 50 File scrartcl-xepersian.def

```
2401 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2402 \renewcommand*{\thepart}{\@tartibi\c@part}
2403 \renewcommand*\appendix{\par%
2404   \setcounter{section}{0}%
2405   \setcounter{subsection}{0}%
2406   \gdef\thesection{\@harfi\c@section}%
2407   \csname appendixmore\endcsname
2408 }
2409 \renewcommand*{\@maybeautodot}[1]{%
2410   \ifx #1\@stop\let\@maybeautodot\relax
2411   \else
2412     \ifx #1\harfi \@autodottrue\fi
2413     \ifx #1\adadi \@autodottrue\fi
2414     \ifx #1\tartibi \@autodottrue\fi
2415     \ifx #1\Alph \@autodottrue\fi
2416     \ifx #1\alph \@autodottrue\fi
2417     \ifx #1\Roman \@autodottrue\fi
2418     \ifx #1\roman \@autodottrue\fi
2419     \ifx #1\@harfi \@autodottrue\fi
2420     \ifx #1\@adadi \@autodottrue\fi
2421     \ifx #1\@tartibi \@autodottrue\fi
2422     \ifx #1\@Alph \@autodottrue\fi
2423     \ifx #1\@alph \@autodottrue\fi
2424     \ifx #1\@Roman \@autodottrue\fi
2425     \ifx #1\@roman \@autodottrue\fi
2426     \ifx #1\romannumeral \@autodottrue\fi
```



```

2427 \fi
2428 \@maybeautodot
2429 }

```

## 51 File scrbook-xepersian.def

```

2430 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2431 \renewcommand*\frontmatter{%
2432   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2433   \@mainmatterfalse\pagenumbering{harfi}%
2434 }
2435 \renewcommand*\thepart{\@tartibi\c@part}
2436 \renewcommand*\appendix{\par%
2437   \setcounter{chapter}{0}%
2438   \setcounter{section}{0}%
2439   \gdef\@chapapp{\appendixname}%
2440   \gdef\thechapter{\@harfi\c@chapter}%
2441   \csname appendixmore\endcsname
2442 }
2443 \renewcommand*\@maybeautodot}[1]{%
2444   \ifx #1\@stop\let\@maybeautodot\relax
2445   \else
2446     \ifx #1\harfi \@autodottrue\fi
2447     \ifx #1\adadi \@autodottrue\fi
2448     \ifx #1\tartibi \@autodottrue\fi
2449     \ifx #1\Alph \@autodottrue\fi
2450     \ifx #1\alph \@autodottrue\fi
2451     \ifx #1\Roman \@autodottrue\fi
2452     \ifx #1\roman \@autodottrue\fi
2453     \ifx #1\@harfi \@autodottrue\fi
2454     \ifx #1\@adadi \@autodottrue\fi
2455     \ifx #1\@tartibi \@autodottrue\fi
2456     \ifx #1\@Alph \@autodottrue\fi
2457     \ifx #1\@alph \@autodottrue\fi
2458     \ifx #1\@Roman \@autodottrue\fi
2459     \ifx #1\@roman \@autodottrue\fi
2460     \ifx #1\romannumeral \@autodottrue\fi
2461   \fi
2462   \@maybeautodot
2463 }

```

## 52 File screprt-xepersian.def

```

2464 \ProvidesFile{screprt-xepersian.def}[2010/07/25 v0.2 adaptations for screprt class]
2465 \renewcommand*\thepart{\@tartibi\c@part}
2466 \renewcommand*\appendix{\par%
2467   \setcounter{chapter}{0}%
2468   \setcounter{section}{0}%
2469   \gdef\@chapapp{\appendixname}%
2470   \gdef\thechapter{\@harfi\c@chapter}%

```



```

2471 \csname appendixmore\endcsname
2472 }
2473 \renewcommand*{\@@maybeautodot}[1]{%
2474 \ifx #1\@stop\let\@@maybeautodot\relax
2475 \else
2476 \ifx #1\harfi \@@autodottrue\fi
2477 \ifx #1\adadi \@@autodottrue\fi
2478 \ifx #1\tartibi \@@autodottrue\fi
2479 \ifx #1\Alph \@@autodottrue\fi
2480 \ifx #1\alph \@@autodottrue\fi
2481 \ifx #1\Roman \@@autodottrue\fi
2482 \ifx #1\roman \@@autodottrue\fi
2483 \ifx #1\@harfi \@@autodottrue\fi
2484 \ifx #1\@adadi \@@autodottrue\fi
2485 \ifx #1\@tartibi \@@autodottrue\fi
2486 \ifx #1\@Alph \@@autodottrue\fi
2487 \ifx #1\@alph \@@autodottrue\fi
2488 \ifx #1\@Roman \@@autodottrue\fi
2489 \ifx #1\@roman \@@autodottrue\fi
2490 \ifx #1\romannumeral \@@autodottrue\fi
2491 \fi
2492 \@@maybeautodot
2493 }

```

### 53 File soul-xepersian.def

```

2494 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2495 \let\SOUL@tt\relax
2496 \newfontface{\SOUL@tt}{Times New Roman}

```

### 54 File tkz-linknodes-xepersian.def

```

2497 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2498 \renewcommand*{\@SetTab}{%
2499 \let\@alph\@latinalph%
2500 \ifnum \value{C@NumTab}>25\relax%
2501 \setcounter{C@NumTab}{1}%
2502 \else%
2503 \stepcounter{C@NumTab}%
2504 \fi%
2505 \setcounter{C@NumGroup}{0}%
2506 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2507 \setboolean{B@FirstLink}{true}
2508 \setboolean{B@NewGroup}{false}
2509 \setcounter{C@NumGroup}{0}
2510 \setcounter{C@CurrentGroup}{0}
2511 \setcounter{NumC@Node}{0}
2512 \setcounter{NumC@Stop}{0}
2513 \setcounter{C@NextNode}{0}
2514 \setcounter{C@CurrentStop}{0}

```





```

2515 \setcounter{C@CurrentNode}{0}
2516 }%

```

## 55 File tocloft-xepersian.def

```

2517 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2518 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2519 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2520 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2521 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2522 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2523 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2524 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2525 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2526 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2527 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 56 File xepersian.sty

```

2528 \NeedsTeXFormat{LaTeX2e}
2529 \def\xepersian@version{21.3}
2530 \def\xepersiandate{2018/08/12}
2531 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2532 Persian typesetting in XeLaTeX]
2533 \RequirePackage{fontspec}
2534 \RequirePackage{xepersian-persiancal}
2535 \RequirePackage{xepersian-mathsdigitspec}
2536 \RequirePackage{bidi}
2537 \edef\@xepersian@info{*****~J%
2538 * ~J%
2539 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2540 * ~J%
2541 * Description: The package supports Persian~J%
2542 * typesetting, using fonts provided in the~J%
2543 * distribution.~J%
2544 * ~J%
2545 * Copyright (c) 2008--2018 Vafa Khalighi~J%
2546 * ~J%
2547 * v\xepersian@version, \xepersiandate~J%
2548 * ~J%
2549 * License: LaTeX Project Public License, version~J%
2550 * 1.3c or higher (your choice)~J%
2551 * ~J%
2552 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2553 * ~J%
2554 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets~J%
2555 * ~J%
2556 * Support: http://persian-tex.com~J%
2557 * ~J%
2558 *****}

```



```

2559 \typeout{\@xepersian@info}
2560 \edef\xepersian@everyjob{\the\everyjob}
2561 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2562 \newcommand*\xepersian@version{
2563   {\ensuremath\xepersian@version}
2564 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2565   \ifdim\xepersian@version pt > #1 pt %
2566     \expandafter\@firstoftwo
2567   \else
2568     \expandafter\@secondoftwo
2569   \fi}
2570 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2571   \ifdim\xepersian@version pt < #1 pt %
2572     \expandafter\@firstoftwo
2573   \else
2574     \expandafter\@secondoftwo
2575   \fi}
2576 \newcommand*\IfxepersianPackageVersion}[1]{%
2577   \ifdim\xepersian@version pt = #1 pt %
2578     \expandafter\@firstoftwo
2579   \else
2580     \expandafter\@secondoftwo
2581   \fi}
2582 \def\prq{«}
2583 \def\plq{»}
2584 \def\xepersian@cmds@temp#1{%
2585   \begingroup\expandafter\expandafter\expandafter\endgroup
2586   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2587     \begingroup
2588       \escapechar=-1 %
2589       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2590       \def\y{#1}%
2591       \def\z##1->{%}
2592       \edef\y{\expandafter\z\meaning\y}%
2593       \expandafter\endgroup
2594       \ifx\x\y
2595         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2596           \expandafter{%
2597             \csname#1\endcsname
2598           }%
2599       \fi
2600     \fi
2601   }%
2602 \xepersian@cmds@temp{shellescape}
2603 \newif\ifwritexviii
2604 \ifnum\xepersian@shellescape=1\relax
2605   \writexviii true
2606 \else
2607   \writexviii false
2608 \fi

```



```

2609 \newfontscript{Parsi}{arab}
2610 \newfontlanguage{Parsi}{FAR}
2611 \ExplSyntaxOn
2612
2613 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2614 {
2615   \__xepersian_main_settextfont:nn {#1,#3} {#2}
2616   \ignorespaces
2617 }
2618 \cs_new:Nn \__xepersian_main_settextfont:nn
2619 {
2620   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {Script=Parsi,Language=Parsi,Mat
2621   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
2622   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2623   {
2624     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2625     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
2626     \exp_not:N \selectfont
2627   }
2628 }
2629 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2630 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2631 \__xepersian_settextfont_hook:nn {#1} {#2}
2632 \normalfont
2633 }
2634
2635 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
2636
2637 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2638 {
2639   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2640   \ignorespaces
2641 }
2642 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
2643 {
2644   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Script=Parsi,Language=Parsi,
2645   \use:x
2646   {
2647     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2648     {
2649       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
2650       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2651       \exp_not:N \selectfont
2652     }
2653   }
2654   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
2655   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start
2656   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop
2657   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2658   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}

```



```

2659 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@swi
2660 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterC
2661 \if@bidi@csundef{xepersian@D}{-}{%
2662 \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textd
2663 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textd
2664 \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textd
2665 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textd
2666 \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textd
2667 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textd
2668 \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textd
2669 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textd
2670 \XeTeXinterchartoks \xepersian@H \bidi@digits@charclass = {\xepersian@@start@switch@textd
2671 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@H = {\xepersian@@stop@switch@textd
2672 }
2673 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlat
2674 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlati
2675 }
2676
2677 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
2678
2679 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
2680 {
2681 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2682 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
2683 \ignorespaces
2684 }
2685
2686
2687 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
2688 {
2689 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
2690 \ignorespaces
2691 }
2692 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
2693 {
2694 \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Mapping=tex-text,#1} {#2}
2695 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2696 {
2697 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2698 \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
2699 \exp_not:N \selectfont
2700 }
2701 }
2702 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2703 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2704 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
2705 \normalfont
2706 }
2707
2708 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn

```



```

2709
2710 \tl_set_eq:NN \setlatinsansfont \setsansfont
2711 \tl_set_eq:NN \setlatinmonofont \setmonofont
2712
2713 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
2714 {
2715     \__xepersian_main_defpersianfont:nnnN {#1} {#2,#4} {#3}
2716     \NewDocumentCommand
2717 }
2718 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
2719 {
2720     \__xepersian_main_defpersianfont:nnnN {#1} {#2,#4} {#3}
2721     \RenewDocumentCommand
2722 }
2723 \cs_new:Nn \__xepersian_main_defpersianfont:nnnN
2724 {
2725     \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Script=Parsi,Language=
2726     \use:x
2727     {
2728         \exp_not:N #4 \exp_not:N #1 {}
2729         {
2730             \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
2731             \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2732             \exp_not:N \selectfont
2733         }
2734     }
2735 }
2736
2737 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2738 {
2739     \__xepersian_main_deflatinfont:nnnN {#1} {#2,#4} {#3}
2740     \NewDocumentCommand
2741 }
2742 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
2743 {
2744     \__xepersian_main_deflatinfont:nnnN {#1} {#2,#4} {#3}
2745     \RenewDocumentCommand
2746 }
2747 \cs_new:Nn \__xepersian_main_deflatinfont:nnnN
2748 {
2749     \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Mapping=tex-text,#2}
2750     \use:x
2751     {
2752         \exp_not:N #4 \exp_not:N #1 {}
2753         {
2754             \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
2755             \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2756             \exp_not:N \selectfont
2757         }
2758     }

```



```

2759 }
2760
2761 \newcommand\persiansfdefault{}
2762 \newcommand\persianttdefault{}
2763 \newcommand\iranicsfdefault{}
2764 \newcommand\navarsfdefault{}
2765 \newcommand\pooksfdefault{}
2766 \newcommand\sayehsfdefault{}
2767 \DeclareRobustCommand\persiansffamily
2768     {\not@math@alphabet\persiansffamily\mathpersiansf
2769     \fontfamily\persiansfdefault\selectfont}
2770 \DeclareRobustCommand\persianttfamily
2771     {\not@math@alphabet\persianttfamily\mathpersiantt
2772     \fontfamily\persianttdefault\selectfont}
2773 \DeclareRobustCommand\iranicsffamily
2774     {\not@math@alphabet\iranicsffamily\mathiranics
2775     \fontfamily\iranicsfdefault\selectfont}
2776 \DeclareRobustCommand\navarsffamily
2777     {\not@math@alphabet\navarsffamily\mathnavar
2778     \fontfamily\navarsfdefault\selectfont}
2779 \DeclareRobustCommand\pooksffamily
2780     {\not@math@alphabet\pooksffamily\mathpook
2781     \fontfamily\pooksfdefault\selectfont}
2782 \DeclareRobustCommand\sayehsfamily
2783     {\not@math@alphabet\sayehsfamily\mathsayeh
2784     \fontfamily\sayehsfdefault\selectfont}
2785 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2786 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2787 \DeclareTextFontCommand{\textiranics}{\iranicsffamily}
2788 \DeclareTextFontCommand{\textnavar}{\navarsffamily}
2789 \DeclareTextFontCommand{\textpook}{\pooksffamily}
2790 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
2791
2792 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2793 {
2794     \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
2795     \ignorespaces
2796 }
2797 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
2798 {
2799     \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {Script=Parsi,Language=Parsi}
2800     \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
2801     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2802     {
2803         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2804         \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
2805         \exp_not:N \selectfont
2806     }
2807 }
2808 \str_if_eq:x:nnT {\familydefault} {\persiansfdefault}

```



```

2809 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2810 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
2811 \normalfont
2812 }
2813
2814 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
2815
2816 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
2817 {
2818   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
2819   \ignorespaces
2820 }
2821 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
2822 {
2823   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {Script=Parsi,Language=Parsi}
2824   \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
2825   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2826     {
2827       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2828       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
2829       \exp_not:N \selectfont
2830     }
2831   }
2832   \str_if_eq:x:nnT {\familydefault} {\persianttdefault}
2833   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2834   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
2835   \normalfont
2836 }
2837
2838 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
2839
2840 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
2841 {
2842   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
2843   \ignorespaces
2844 }
2845 \cs_new:Nn \__xepersian_main_setnavarfont:nn
2846 {
2847   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {Script=Parsi,Language=Parsi,MainFont=Persian}
2848   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
2849   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2850     {
2851       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2852       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
2853       \exp_not:N \selectfont
2854     }
2855   }
2856   \str_if_eq:x:nnT {\familydefault} {\navardefault}
2857   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2858   \__xepersian_setnavarfont_hook:nn {#1} {#2}

```



```

2859 \normalfont
2860 }
2861
2862 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
2863
2864 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
2865 {
2866   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
2867   \ignorespaces
2868 }
2869 \cs_new:Nn \__xepersian_main_setpookfont:nn
2870 {
2871   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {Script=Parsi,Language=Parsi,Map
2872   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
2873   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2874   {
2875     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2876     \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
2877     \exp_not:N \selectfont
2878   }
2879 }
2880 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2881 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2882 \__xepersian_setpookfont_hook:nn {#1} {#2}
2883 \normalfont
2884 }
2885
2886 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
2887
2888 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2889 {
2890   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
2891   \ignorespaces
2892 }
2893 \cs_new:Nn \__xepersian_main_setsayehfont:nn
2894 {
2895   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {Script=Parsi,Language=Parsi,Map
2896   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
2897   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2898   {
2899     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2900     \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
2901     \exp_not:N \selectfont
2902   }
2903 }
2904 \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2905 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2906 \__xepersian_setsayehfont_hook:nn {#1} {#2}
2907 \normalfont
2908 }

```





```

2909 \cs_set_eq:NN \__xepersian_setsayehfont_hook:n \use_none:nn
2910
2911
2912 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
2913 {
2914   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
2915   \ignorespaces
2916 }
2917 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
2918 {
2919   \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {Script=Parsi,Language=Parsi,M
2920   \tl_set_eq:NN \iranicdefault \l__xepersian_iranicfamily_family_tl
2921   \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
2922     {
2923       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2924       \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
2925       \exp_not:N \selectfont
2926     }
2927   }
2928   \str_if_eq_x:nnT {\familydefault} {\iranicdefault}
2929     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2930   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
2931   \normalfont
2932 }
2933
2934 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
2935
2936 \ExplSyntaxOff
2937 \def\resetlatinfont{%
2938 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2939 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2940 \def\xepersian@@fontsize@scale{%
2941   \strip@pt\dimexpr 1pt * \dimexpr
2942   \xepersian@@latin@fontsize@scale pt\relax
2943   / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2944 }%
2945 \def\xepersian@@baselineskip@scale{%
2946   \strip@pt\dimexpr 1pt * \dimexpr
2947   \xepersian@@latin@baselineskip@scale pt\relax
2948   / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
2949 }%
2950 \@nonlatinfalse%
2951 \let\normalfont\latinfont%
2952 \let\reset@font\normalfont%
2953 \latinfont%
2954 \fontsize\f@size\f@baselineskip%
2955 \selectfont%
2956 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2957 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
2958 }

```



```

2959 \def\setpersianfont{%
2960 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2961 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2962 \let\xepersian@@fontsize@scale\one%
2963 \let\xepersian@@baselineskip@scale\one%
2964 \@nonlatintrue%
2965 \let\normalfont\persianfont%
2966 \let\reset@font\normalfont%
2967 \persianfont%
2968 \fontsize\fontsize\font@baselineskip%
2969 \selectfont%
2970 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2971 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2972 }
2973 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2974 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2975 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2976 \def\endlatin{\endLTR}
2977 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2978 \def\endpersian{\endRTL}
2979 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{latinitems}}
2980 \newenvironment{parsiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{parsiitems}}
2981 \let\originaltoday=\today
2982 \def\latintoday{\lr{\originaltoday}}
2983 \def\today{\rl{\persiantoday}}
2984 \def \@LTRmarginparreset {%
2985     \reset@font
2986     \resetlatinfont
2987     \normalsize
2988     \@minipagetrue
2989     \everypar{\@minipagefalse\everypar{}\beginL}%
2990 }
2991 \DeclareRobustCommand\Latincite{%
2992     \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
2993 \def\@Latincitex[#1]#2{\leavevmode
2994     \let\@citea\@empty
2995     \@cite{\lr{\@for\@citeb:=#2\do
2996         {\@citea\def\@citea{\penalty\@m\ }%
2997         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2998         \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2999         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3000         \G@refundefinedtrue
3001         \@latex@warning
3002         {Citation `'\@citeb' on page \thepage \space undefined}}%
3003         {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}}{#1}}
3004
3005 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3006
3007 \newif\if@xepersian@@computeautoilg
3008 \newcount\xepersian@tcl

```



```

3009 \newdimen\xepersian@ilg
3010 \newdimen\xepersian@strutilg
3011 \chardef\f@ur=4
3012 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3013 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3014 \loop
3015 \iffontchar\font\xepersian@tcl
3016 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
3017 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3018 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3019 \fi
3020 \else
3021 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
3022 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3023 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3024 \fi
3025 \fi
3026 \fi
3027 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
3028 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3029 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3030 \fi
3031 \else
3032 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
3033 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3034 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3035 \fi
3036 \fi
3037 \fi
3038 \fi
3039 \advance\xepersian@tcl\@ne
3040 \ifnum\xepersian@tcl<1792\repeat
3041 \advance\xepersian@strutilg\xepersian@ilg
3042 % \ifdim\xepersian@strutilg>\baselineskip
3043 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3044 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3045 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3046 % \selectfont
3047 % \fi
3048 }
3049
3050 \newif\if@@textdigitfont@on
3051
3052 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3053 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3054
3055 \TextDigitFontOn
3056
3057 \newcommand*\xepersian@setlength[4]{%
3058 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi

```



```

3059 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3060 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3061 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3062 \else
3063 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3064 \fi
3065 \else
3066 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3067 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3068 \else
3069 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3070 \fi
3071 \fi
3072 \else
3073 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3074 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3075 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3076 \else
3077 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3078 \fi
3079 \else
3080 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3081 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3082 \else
3083 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3084 \fi
3085 \fi
3086 \fi
3087 }
3088
3089 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3090 \@defaultunits\@tempdima#2pt\relax\@nnil
3091 \setlength{\@tempdimc}{\@tempdima}%
3092 \addtolength{\@tempdimc}{-10\p@}%
3093 \edef\@ptsize{\strip@pt\@tempdimc}%
3094 \@defaultunits\@tempdimb#1pt\relax\@nnil
3095 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3096 \edef\@tempb{\the\@tempdimc}%
3097 \setlength{\@tempdimc}{\@tempdima}%
3098 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3099 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3100 \xepersian@setlength{\abovedisplayskip}{%
3101 \{.8333\@tempdimb\}{.1667\@tempdimb\}{.5\@tempdimb}%
3102 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3103 \xepersian@setlength{\belowdisplayshortskip}{%
3104 \{.5\@tempdimb\}{.25\@tempdimb\}{.25\@tempdimb}%
3105 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3106 \edef\normalsize{%
3107 \noexpand\setfontsize\noexpand\normalsize
3108 {\the\@tempdima}{\the\@tempdimb}%

```



```

3109 \abovedisplayskip \the\abovedisplayskip
3110 \abovedisplayshortskip \the\abovedisplayshortskip
3111 \belowdisplayskip \the\belowdisplayskip
3112 \belowdisplayshortskip \the\belowdisplayshortskip
3113 \let\noexpand\@listi\noexpand\@listI
3114 }%
3115 \setlength{\@tempdima}{0.9125\@tempdimc}%
3116 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3117 \xepersian@setlength{\abovedisplayskip}%
3118     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3119 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3120 \xepersian@setlength{\belowdisplayshortskip}%
3121     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3122 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3123 \edef\small{%
3124     \noexpand\@setfontsize\noexpand\small
3125     {\the\@tempdima}{\the\@tempdimb}%
3126     \abovedisplayskip \the\abovedisplayskip
3127     \abovedisplayshortskip \the\abovedisplayshortskip
3128     \belowdisplayskip \the\belowdisplayskip
3129     \belowdisplayshortskip \the\belowdisplayshortskip
3130     \let\noexpand\@listi\noexpand\@listi\small
3131 }%
3132 \setlength{\@tempdima}{.83334\@tempdimc}%
3133 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3134 \xepersian@setlength{\abovedisplayskip}%
3135     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3136 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3137 \xepersian@setlength{\belowdisplayshortskip}%
3138     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3139 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3140 \edef\footnotesize{%
3141     \noexpand\@setfontsize\noexpand\footnotesize
3142     {\the\@tempdima}{\the\@tempdimb}%
3143     \abovedisplayskip \the\abovedisplayskip
3144     \abovedisplayshortskip \the\abovedisplayshortskip
3145     \belowdisplayskip \the\belowdisplayskip
3146     \belowdisplayshortskip \the\belowdisplayshortskip
3147     \let\noexpand\@listi\noexpand\@listi\footnotesize
3148 }%
3149 \setlength{\@tempdima}{.66667\@tempdimc}%
3150 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3151 \edef\scriptsize{%
3152     \noexpand\@setfontsize\noexpand\scriptsize
3153     {\the\@tempdima}{\the\@tempdimb}%
3154 }%
3155 \setlength{\@tempdima}{.5\@tempdimc}%
3156 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3157 \edef\tiny{%
3158     \noexpand\@setfontsize\noexpand\tiny

```



```

3159   {\the\@tempdima}{\the\@tempdimb}%
3160 }%
3161 \setlength{\@tempdima}{1.2\@tempdimc}%
3162 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3163 \edef\large{%
3164   \noexpand\setfontsize\noexpand\large
3165   {\the\@tempdima}{\the\@tempdimb}%
3166 }%
3167 \setlength{\@tempdima}{1.44\@tempdimc}%
3168 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3169 \edef\Large{%
3170   \noexpand\setfontsize\noexpand\Large
3171   {\the\@tempdima}{\the\@tempdimb}%
3172 }%
3173 \setlength{\@tempdima}{1.728\@tempdimc}%
3174 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3175 \edef\LARGE{%
3176   \noexpand\setfontsize\noexpand\LARGE
3177   {\the\@tempdima}{\the\@tempdimb}%
3178 }%
3179 \setlength{\@tempdima}{2.074\@tempdimc}%
3180 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3181 \edef\huge{%
3182   \noexpand\setfontsize\noexpand\huge
3183   {\the\@tempdima}{\the\@tempdimb}%
3184 }%
3185 \setlength{\@tempdima}{2.488\@tempdimc}%
3186 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3187 \edef\Huge{%
3188   \noexpand\setfontsize\noexpand\Huge
3189   {\the\@tempdima}{\the\@tempdimb}%
3190 }%
3191 \normalsize
3192 \setlength{\@tempdimb}{\f@baselineskip}%
3193 \xepersian@setlength{\parsep}%
3194   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3195 \xepersian@setlength{\topsep}%
3196   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3197 \@tempswafalse
3198 \begingroup
3199   \def\@list@extra{\aftergroup\@tempwattrue}%
3200   \csname @listi\endcsname
3201 \endgroup
3202 \edef\@listi{\leftmargin\leftmargini
3203   \topsep \the\topsep
3204   \parsep \the\parsep
3205   \itemsep \the\itemsep
3206   \if@tempswa\noexpand\@list@extra\fi
3207 }%
3208 \let\@listI\@listi

```



```

3209 \xepersian@setlength{\parsep}%
3210         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3211 \xepersian@setlength{\topsep}%
3212         {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3213 \@tempswafalse
3214 \begingroup
3215 \def\@list@extra{\aftergroup\@tempwattrue}%
3216 \csname @listi\endcsname
3217 \endgroup
3218 \edef\@listi@small{\leftmargin\leftmargini
3219 \topsep \the\topsep
3220 \parsep \the\parsep
3221 \itemsep \parsep
3222 \if@tempswa\noexpand\@list@extra\fi
3223 }%
3224 \xepersian@setlength{\parsep}%
3225         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3226 \xepersian@setlength{\topsep}%
3227         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3228 \@tempswafalse
3229 \begingroup
3230 \def\@list@extra{\aftergroup\@tempwattrue}%
3231 \csname @listi\endcsname
3232 \endgroup
3233 \edef\@listi@footnotesize{\leftmargin\leftmargini
3234 \topsep \the\topsep
3235 \parsep \the\parsep
3236 \itemsep \parsep
3237 \if@tempswa\noexpand\@list@extra\fi
3238 }%
3239 \xepersian@setlength{\parsep}%
3240         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3241 \xepersian@setlength{\topsep}%
3242         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3243 \@tempswafalse
3244 \begingroup
3245 \def\@list@extra{\aftergroup\@tempwattrue}%
3246 \csname @listii\endcsname
3247 \endgroup
3248 \edef\@listii{\leftmargin\leftmarginii
3249 \labelwidth=\dimexpr \leftmargin-\labelsep
3250 \topsep \the\topsep
3251 \parsep \the\parsep
3252 \itemsep \parsep
3253 \if@tempswa\noexpand\@list@extra\fi
3254 }%
3255 \xepersian@setlength{\topsep}%
3256         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3257 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3258 \@tempswafalse

```



```

3259 \begingroup
3260 \def\@list@extra{\aftergroup\@tempswatrue}%
3261 \csname @listiii\endcsname
3262 \endgroup
3263 \edef\@listiii{\leftmargin\leftmarginiii
3264 \labelwidth=\dimexpr \leftmargin-\labelsep
3265 \topsep \the\topsep
3266 \parsep \z@
3267 \partopsep \the\partopsep
3268 \itemsep \topsep
3269 \if@tempswa\noexpand\@list@extra\fi
3270 }%
3271 \@tempswafalse
3272 \begingroup
3273 \def\@list@extra{\aftergroup\@tempswatrue}%
3274 \csname @listiv\endcsname
3275 \endgroup
3276 \edef\@listiv{\leftmargin\leftmarginiv
3277 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3278 \if@tempswa\noexpand\@list@extra\fi
3279 }%
3280 \@tempswafalse
3281 \begingroup
3282 \def\@list@extra{\aftergroup\@tempswatrue}%
3283 \csname @listv\endcsname
3284 \endgroup
3285 \edef\@listv{\leftmargin\leftmarginv
3286 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3287 \if@tempswa\noexpand\@list@extra\fi
3288 }%
3289 \@tempswafalse
3290 \begingroup
3291 \def\@list@extra{\aftergroup\@tempswatrue}%
3292 \csname @listvi\endcsname
3293 \endgroup
3294 \edef\@listvi{\leftmargin\leftmarginvi
3295 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3296 \if@tempswa\noexpand\@list@extra\fi
3297 }%
3298 \@listi
3299 \setlength{\@tempdimb}{\f@baselineskip}%
3300 \setlength{\footnotesep}{.555\@tempdimb}%
3301 \xepersian@setlength{\skip\footins}%
3302 \{.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3303 \xepersian@setlength{\floatsep}%
3304 \{\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3305 \xepersian@setlength{\textfloatsep}%
3306 \{1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3307 \setlength{\intextsep}{\floatsep}%
3308 \setlength{\dblfloatsep}{\floatsep}%

```





```

3309 \setlength{\dbltextfloatsep}{\textfloatsep}%
3310 \setlength{\@fptop}{\z@ \@plus 1fil}%
3311 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3312 \setlength{\@fpbot}{\@fptop}%
3313 \setlength{\@dblftop}{\@fptop}%
3314 \setlength{\@dblfpsep}{\@fpsep}%
3315 \setlength{\@dblfpbot}{\@fptop}%
3316 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3317 }
3318
3319 \renewcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\bfseries
3320
3321 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3322
3323 \renewcommand*{\@bidi@pdfcreator}{%
3324 The xepersian package, v\xepersian@version, \xepersiandate
3325 }
3326
3327 \newcommand*{\@xepersian@pdfcustomproperties}{%
3328 This is the xepersian package, Version \xepersian@version,
3329 Released August 12, 2018.
3330 }
3331
3332 \newcommand\twocolumnstableofcontents{%
3333 \if@bidi@csundef{multi@column@out}{%
3334 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3335 \begin{multicols}{2}[\section*{\contentsname}]{%
3336 \small
3337 \@starttoc{toc}%
3338 \end{multicols}}}
3339 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3340 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3341 \def\figurename{\if@RTL else\ Figure\fi}
3342 \def\tablename{\if@RTL else\ Table\fi}
3343 \def\contentsname{\if@RTL else\ Contents\fi}
3344 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3345 \def\listtablename{\if@RTL else\ List of Tables\fi}
3346 \def\appendixname{\if@RTL else\ Appendix\fi}
3347 \def\indexname{\if@RTL else\ Index\fi}
3348 \def\refname{\if@RTL else\ References\fi}
3349 \def\abstractname{\if@RTL else\ Abstract\fi}
3350 \def\partname{\if@RTL else\ Part\fi}
3351 \def\datename{\if@RTL else\ Date:\fi}
3352 \def\@and{\if@RTL else\ and\fi}
3353 \def\bibname{\if@RTL else\ Bibliography\fi}
3354 \def\chaptername{\if@RTL else\ Chapter\fi}
3355 \def\ccname{\if@RTL else\ cc\fi}
3356 \def\enclname{\if@RTL else\ encl\fi}
3357 \def\pagename{\if@RTL else\ Page\fi}
3358 \def\headtoname{\if@RTL else\ To\fi}

```



```

3359 \def\proofname{\if@RTL else\ Proof\fi}
3360 \def\@Abjad#1{%
3361 \ifcase#1\or or\ or\ or\ %
3362 \or or\ or\ or\ or\ %
3363 \or or\ or\ or\ or\ %
3364 \or or\ or\ or\ %
3365 \or or\ or\ or\ or\ %
3366 \or or\ or\ or\ or\ %
3367 \else\@ctrerr\fi}
3368 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3369 \let\Abjadnumeral\@Abjad
3370 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3371 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3372 or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3373 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3374 \let\harfinumeral\@harfi
3375 \newcommand{\adadi}[1]{%
3376 \expandafter\@adadi\csname c@#1\endcsname%
3377 }
3378 \newcommand{\@adadi}[1]{%
3379 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3380 }
3381 \let\adadinumeral\@adadi%
3382 \def\xepersian@numberoutofrange#1#2{%
3383 \PackageError{xepersian}{The number `#1' is too large %
3384 to be formatted using xepersian}{The largest possible %
3385 number is 999,999,999.}%
3386 }
3387 \def\xepersian@numberstring#1#2#3#4{%
3388 \ifnum\number#1<\@ne%
3389 #3%
3390 \else\ifnum\number#1<1000000000 %
3391 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3392 \else%
3393 \xepersian@numberoutofrange{#1}{#4}%
3394 \fi\fi%
3395 }
3396 \def\xepersian@adadi#1#2{%
3397 \expandafter\xepersian@@adadi%
3398 \ifcase%
3399 \ifnum#1<10 1%
3400 \else\ifnum#1<100 2%
3401 \else\ifnum#1<\@m 3%
3402 \else\ifnum#1<\@M 4%
3403 \else\ifnum#1<100000 5%
3404 \else\ifnum#1<1000000 6%
3405 \else\ifnum#1<10000000 7%
3406 \else\ifnum#1<100000000 8%
3407 \else9%
3408 \fi\fi\fi\fi\fi\fi\fi\fi %

```



```

3409 \or00000000#1% case 1: Add 8 leading zeros
3410 \or0000000#1% case 2: Add 7 leading zeros
3411 \or000000#1% case 3: Add 6 leading zeros
3412 \or00000#1% case 4: Add 5 leading zeros
3413 \or0000#1% case 5: Add 4 leading zeros
3414 \or000#1% case 6: Add 3 leading zeros
3415 \or00#1% case 7: Add 2 leading zeros
3416 \or0#1% case 8: Add 1 leading zero
3417 \or#1% case 9: Add no leading zeros
3418 \or%
3419 \@nil#2%
3420 \fi%
3421 }
3422 \def\xepersian@cadadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3423 \ifnum#1#2#3>\z@
3424 \xepersian@milyoongan#1#2#3%
3425 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3426 \fi%
3427 \ifnum#4#5#6>\z@%
3428 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3429 \ifnum#4#5#6>\@ne\fi%
3430 %
3431 \ifnum#7>\z@\ \fi%
3432 \fi%
3433 \xepersian@sadgan#7{#4#5#6}1#9%
3434 }
3435 \def\xepersian@milyoongan#1#2#3{%
3436 \ifnum#1#2#3=\@ne%
3437 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3438 %
3439 %
3440 \else%
3441 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3442 %
3443 %
3444 \fi%
3445 }
3446 \def\xepersian@sadgan#1#2#3#4#5#6{%
3447 \ifnum#1>\z@%
3448 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3449 %
3450 \ifnum#2#3>\z@\ \fi%
3451 \fi%
3452 \ifnum#2#3<20%
3453 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3454 \else%
3455 \xepersian@dahgan#2%
3456 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3457 #60%
3458 \fi%

```



```

3459 }
3460 \def\xepersian@yekani#1{%
3461 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3462 \or or\ or\ or\ or\ or\ or\ %
3463 \or or\ or\ or\ %
3464 \or or\ %fi\
3465 }
3466 \def\xepersian@yekanii#1{%
3467 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3468 }
3469 \def\xepersian@yekaniii#1{%
3470 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3471 }
3472 \def\xepersian@yekaniv#1{%
3473 \ifcase#1\@empty\or or\ or\ or\ or\ %
3474 \or or\ or\ %fi\
3475 }
3476 \def\xepersian@dahgan#1{%
3477 \ifcase#1\or or\ or\ or\ %
3478 \or or\ or\ or\ %
3479 \or %fi\
3480 }
3481 \newcommand{\tartibi}[1]{%
3482 \expandafter\@tartibi\csname c@#1\endcsname%
3483 }
3484 \newcommand{\@tartibi}[1]{%
3485 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{}%
3486 }
3487 \let\tartibinumeral\@tartibi%
3488 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3489 \ifnum\number#1<\@ne%
3490 #3%
3491 \else\ifnum\number#1<1000000000 %
3492 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3493 \else%
3494 \xepersian@numberoutofrange{#1}{#4}%
3495 \fi\fi%
3496 }
3497 \def\xepersian@adadi@tartibi#1#2{%
3498 \expandafter\xepersian@@adadi@tartibi%
3499 \ifcase%
3500 \ifnum#1<10 1%
3501 \else\ifnum#1<100 2%
3502 \else\ifnum#1<\@m 3%
3503 \else\ifnum#1<\@M 4%
3504 \else\ifnum#1<100000 5%
3505 \else\ifnum#1<1000000 6%
3506 \else\ifnum#1<10000000 7%
3507 \else\ifnum#1<100000000 8%
3508 \else9%

```



```

3509 \fi\fi\fi\fi\fi\fi\fi %
3510 \or00000000#1% case 1: Add 8 leading zeros
3511 \or00000000#1% case 2: Add 7 leading zeros
3512 \or000000#1% case 3: Add 6 leading zeros
3513 \or00000#1% case 4: Add 5 leading zeros
3514 \or0000#1% case 5: Add 4 leading zeros
3515 \or000#1% case 6: Add 3 leading zeros
3516 \or00#1% case 7: Add 2 leading zeros
3517 \or0#1% case 8: Add 1 leading zero
3518 \or#1% case 9: Add no leading zeros
3519 \or%
3520 \@nil#2%
3521 \fi%
3522 }
3523 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3524 \ifnum#1#2#3>\z@
3525 \xepersian@milyoongan@tartibi#1#2#3%
3526 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3527 \fi%
3528 \ifnum#4#5#6>\z@%
3529 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3530 \ifnum#4#5#6>\@ne \fi%
3531 %
3532 \ifnum#7>\z@\ \fi%
3533 \fi%
3534 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3535 }
3536 \def\xepersian@milyoongan@tartibi#1#2#3{%
3537 \ifnum#1#2#3=\@ne%
3538 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3539 %
3540 %
3541 \else%
3542 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3543 %
3544 %
3545 \fi%
3546 }
3547 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3548 \ifnum#1>\z@%
3549 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3550 %
3551 \ifnum#2#3>\z@\ \fi%
3552 \fi%
3553 \ifnum#2#3<20%
3554 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3555 \else%
3556 \ifnum#2#3=30%
3557 \xepersian@dahgan@tartibi#2%
3558 \else%

```



```

3559 \xepersian@dahgan#2%
3560 \fi%
3561 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3562 #60%
3563 \fi%
3564 }
3565 \def\xepersian@dahgan@tartibi#1{%
3566 \ifcase#1\or\or\or\or\ %
3567 \or\or\or\or\ %
3568 \or\ %fi\
3569 }
3570 \def\xepersian@tartibi#1{%
3571 \ifcase#1\or\or\or\or\ %
3572 \or\or\or\or\or\ %
3573 \or\or\or\or\ %
3574 \or\or\or\ %
3575 \or\or\or\ %fi\
3576 }
3577 \def\xepersian@yekanv#1{%
3578 \ifcase#1\@empty\or\or\or\or\or\or\ %
3579 \or\or\or\or\or\or\ %
3580 \or\or\or\or\ %
3581 \or\or\ %fi\
3582 }
3583 \providecommand*\xpg@warning}[1]{%
3584 \PackageWarning{XePersian}%
3585 {#1}}
3586 \if@bidi@csundef{abjad}{%
3587 \def\abjad#1{%
3588 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3589 \else
3590 \ifnum#1<\z@ \space\xpg@warning{Illegal value (#1) for abjad numeral}%
3591 \else
3592 \ifnum#1<10\expandafter\abj@num@i\number#1%
3593 \else
3594 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3595 \else
3596 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3597 \else
3598 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3599 \fi
3600 \fi
3601 \fi
3602 \fi
3603 \fi
3604 \fi
3605 }
3606 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3607 \let\abjadnumeral\@abjad
3608 \def\abjad@zero{}

```



```

3609 \def\abj@num@i#1{%
3610   \ifcase#1\or or\ or\ or\ %
3611           \or or\ or\ or\ or\ fi\
3612   \ifnum#1=\z@\abjad@zero\fi}
3613 \def\abj@num@ii#1{%
3614   \ifcase#1\or or\ or\ or\ or\ %
3615           \or or\ or\ or\ fi\
3616   \ifnum#1=\z@\fi\abj@num@i}
3617 \def\abj@num@iii#1{%
3618   \ifcase#1\or or\ or\ or\ or\ %
3619           \or or\ or\ or\ fi\
3620   \ifnum#1=\z@\fi\abj@num@ii}
3621 \def\abj@num@iv#1{%
3622   \ifcase#1\or fi\
3623   \ifnum#1=\z@\fi\abj@num@iii}
3624 }{}
3625 \let\@latinalph\@alph%
3626 \let\@latinAlph\@Alph%
3627 \def\LatinAlphs{%
3628   \let\@alph\@latinalph%
3629   \let\@Alph\@latinAlph%
3630 }
3631 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
3632 \renewcommand*{\bidi@thebibliography@font@hook}{%
3633 \ifLTRbibitems
3634   \resetlatinfont
3635 \fi}
3636 \bidi@AfterEndPreamble{%
3637 \ifbidi@csundef{persianfont}{%
3638 \PackageError{xepersian}{You have not specified any font\MessageBreak
3639 for the main Persian text}{Use \settextfont' to load a font.}%
3640 }{}
3641 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3642 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3643 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3644 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3645 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3646 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3647 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3648 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3649 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3650 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3651 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3652 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3653 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3654 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3655 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3656 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3657 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3658 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}

```



```

3659 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3660 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}}
3661 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3662 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3663 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3664 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3665 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3666 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3667 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3668 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3669 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3670 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3671 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3672 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3673 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3674 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3675 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3676 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3677 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3678 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3679 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3680 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3681 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3682 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3683 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3684
3685 \def\xepersian@@fontsize@branch#1{%
3686   \@tempcnta\z@
3687   \@for\xepersian@tmp:=#1\do{%
3688     \KV@@sp@def\xepersian@frag{\xepersian@tmp}%
3689     \ifcase\@tempcnta\relax% cnta == 0
3690       \edef\xepersian@value{\xepersian@frag}%
3691       \setfontsize{\xepersian@frag}%
3692     \or% cnta == 1
3693       \setfontsize[\xepersian@frag]{\xepersian@value}%
3694     \else\fi
3695     \advance\@tempcnta\@ne}%
3696 }
3697
3698
3699 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default,
3700   \ifcase\xepersian@tempb\relax
3701     \AutoMathsDigits
3702   \or
3703     \DefaultMathsDigits
3704   \or
3705     \PersianMathsDigits
3706   \fi}
3707 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3708   \ifcase\xepersian@tempb\relax

```





```

3709 \AutoInlineMathsDigits
3710 \or
3711 \DefaultInlineMathsDigits
3712 \or
3713 \PersianInlineMathsDigits
3714 \fi}
3715 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,
3716 \ifcase\xepersian@tempb\relax
3717 \AutoDisplayMathsDigits
3718 \or
3719 \DefaultDisplayMathsDigits
3720 \or
3721 \PersianDisplayMathsDigits
3722 \fi}
3723 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3724 \ifcase\xepersian@tempb\relax
3725 \@RTLtrue
3726 \or
3727 \@RTLfalse
3728 \fi}
3729
3730 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,
3731 \ifcase\xepersian@tempb\relax
3732 \@RTLtrue
3733 \or
3734 \@RTLfalse
3735 \fi}
3736
3737
3738 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,
3739 \ifcase\xepersian@tempb\relax
3740 \@RTLtabtrue
3741 \or
3742 \@RTLtabfalse
3743 \fi}
3744
3745 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[latin,
3746 \ifcase\xepersian@tempb\relax
3747 \@nonlatinfalse
3748 \or
3749 \@nonlatintrue
3750 \fi}
3751
3752 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3753 \ifcase\xepersian@tempb\relax
3754 \@RTLtrue
3755 \or
3756 \@RTLfalse
3757 \fi}
3758 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef

```



```

3759 \ifcase\xepersian@tempb\relax
3760 \autofootnoterule
3761 \or
3762 \leftfootnoterule
3763 \or
3764 \rightfootnoterule
3765 \or
3766 \SplitFootnoteRule
3767 \or
3768 \textwidthfootnoterule
3769 \fi}
3770 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3771 \ifcase\xepersian@tempb\relax
3772 \@RTL@footnotetrue
3773 \or
3774 \@RTL@footnotefalse
3775 \fi}
3776 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
3777 \ifcase\xepersian@tempb\relax
3778 \footdir@debugtrue
3779 \or
3780 \footdir@debugfalse
3781 \fi}
3782 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3783 \ifcase\xepersian@tempb\relax
3784 \input{kashida-xepersian.def}
3785 \fi}
3786 \define@choicekey{xepersian.sty}{KashidaXBFix}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3787 \ifcase\xepersian@tempb\relax
3788 \@Kashida@XB@fixtrue
3789 \or
3790 \@Kashida@XB@fixfalse
3791 \fi}
3792 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3793 \ifcase\xepersian@tempb\relax
3794 \input{localise-xepersian.def}
3795 \fi}
3796 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}
3797 \ifcase\xepersian@tempb\relax
3798 \@extrafootnotefeaturestrue
3799 \or
3800 \@extrafootnotefeaturesfalse
3801 \fi}
3802 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3803 \ifcase\xepersian@tempb\relax
3804 \PackageWarning{xepersian}{Obsolete option}%
3805 \ifwritexviii%
3806 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir class}%
3807 \renewcommand\printindex{\newpage%
3808 \immediate\closeout\@indexfile

```



```

3809     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3810     \@input@{\jobname.ind}}}%
3811     \else
3812     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3813     \fi
3814 \fi}
3815 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
3816 \ifcase\xepersian@tempb\relax
3817     \ifwritexviii%
3818     \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3819     \renewcommand\printindex{\newpage%
3820     \immediate\closeout\@indexfile
3821     \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3822     \@input@{\jobname.ind}}}%
3823     \else
3824     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3825     \fi
3826 \fi}
3827 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3828 \ifcase\xepersian@tempb\relax
3829     \ifwritexviii%
3830     \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3831     \renewcommand\printindex{\newpage%
3832     \immediate\closeout\@indexfile
3833     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3834     \@input@{\jobname.ind}}}%
3835     \else
3836     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3837     \fi
3838 \fi}
3839 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3840 \ifcase\xepersian@tempb\relax
3841     \def\PersianAlphs{%
3842     \let\@alph\@abjad%
3843     \let\@Alph\@abjad%
3844     }
3845 \or
3846     \def\PersianAlphs{%
3847     \let\@alph\@Abjad%
3848     \let\@Alph\@Abjad%
3849     }
3850 \fi}
3851 \DeclareOptionX{defaultlatinfontfeatures}{%
3852 \defaultfontfeatures
3853 [\latinfont]
3854 {#1}
3855 }
3856
3857 \DeclareOptionX{mathfontssize}{%
3858 \def\xepersian@math@fontsize@scale{#1}%

```



```

3859 }
3860
3861 \DeclareOptionX{fontsizescale}{%
3862   \def\xepersian@@fontsize@scale{#1}%
3863 }
3864
3865 \DeclareOptionX{fontsize}{%
3866   \xepersian@@fontsize@branch{#1}%
3867 }
3868
3869 \DeclareOptionX{latinfontsizescale}{%
3870   \def\xepersian@@latin@fontsize@scale{#1}%
3871 }
3872
3873 \DeclareOptionX{baselineskipscale}{%
3874   \def\xepersian@@baselineskip@scale{#1}%
3875 }
3876
3877 \DeclareOptionX{latinbaselineskipscale}{%
3878   \def\xepersian@@latin@baselineskip@scale{#1}%
3879 }
3880
3881 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3882   \ifcase\xepersian@tempb\relax
3883     \AtBeginDocument{\@bidi@inslogo@}%
3884   \or
3885     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
3886   \fi}
3887
3888 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3889   \ifcase\xepersian@tempb\relax
3890     \@bidi@pdfm@marktrue
3891   \or
3892     \@bidi@pdfm@markfalse
3893   \fi}
3894
3895 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3896   \ifcase\xepersian@tempb\relax
3897     \@xepersian@@computeautoilgtrue
3898   \or
3899     \@xepersian@@computeautoilgfalse
3900   \fi}
3901
3902 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3903   \ifcase\xepersian@tempb\relax
3904     \def\bidi@firstcolumn@status@write{%
3905       \protected@write\@auxout{%
3906         {\string\bidi@column@status
3907          {1}}}%
3908     \def\bidi@lastcolumn@status@write{%

```



```

3909         \protected@write\@auxout{}\%
3910             {\string\bidicolumn@status{2}}}%
3911     \or
3912         \let\bidifirstcolumn@status@write\relax
3913         \let\bidilastcolumn@status@write\relax
3914     \fi}
3915
3916
3917 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
3918 \ifcase\xepersian@tempb\relax
3919     \bidicolumn@AtEndPreamble{%
3920         \bidipatchcmd{\xepersian@@start@switch@textdigitfont}%
3921         {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
3922     }
3923 \or
3924     \relax
3925 \fi}
3926
3927 \ExecuteOptionsX{%
3928     documentdirection=righttoleft,
3929     tabledirection=righttoleft,
3930     script=nonlatin,
3931     footnotedirection=righttoleft,
3932     footnoterule=automatic,
3933     abjadvariant=two,
3934     DetectColumn=off,
3935     fontsizescale=\@ne,
3936     latinfontsizescale=\@ne,
3937     mathfontsizescale=\@ne,
3938     baselineskipscale=\@ne,
3939     latinbaselineskipscale=\@ne
3940 }
3941
3942 \ProcessOptionsX
3943
3944 \if@extrafootnotefeatures
3945     \input{extrafootnotefeatures-xetex-bidi.def}
3946     \input{extrafootnotefeatures-xepersian.def}
3947 \fi
3948
3949 \bidipatchcmd{\set@fontsize}{\@tempdimb#2pt}{%
3950     \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
3951 }{}{}
3952
3953 \bidipatchcmd{\set@fontsize}{\@tempskipa#3pt}{%
3954     \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
3955 }{}{}
3956
3957
3958 \newcommand*{\xepersian@@update@math@fontsize}[1]{%

```



```

3959 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
3960 \dimexpr 1pt * \dimexpr #1 pt\relax /
3961 \dimexpr \xepersian@@fontsize@scale pt\relax
3962 \relax\relax
3963 }
3964
3965 \bidi@patchcmd{\getanddefine@fonts}{%
3966 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3967 }{%
3968 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
3969 }{}{}
3970
3971 \bidi@patchcmd{\getanddefine@fonts}{%
3972 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3973 }{%
3974 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
3975 }{}{}
3976
3977 \bidi@patchcmd{\getanddefine@fonts}{%
3978 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3979 }{%
3980 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
3981 }{}{}
3982
3983
3984 \if@xepersian@@computeautoilg
3985 \bidi@patchcmd{\set@fontsize}{%
3986 \baselineskip\f@baselineskip\relax
3987 }{%
3988 \baselineskip\f@baselineskip\relax
3989 \xepersian@computeautoilg
3990 \ifdim\xepersian@strutilg>\baselineskip
3991 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3992 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3993 \baselineskip\xepersian@strutilg
3994 \ifdim\footnotesep=.7\baselineskip
3995 \else
3996 \footnotesep.7\baselineskip
3997 \fi
3998 \fi
3999 }{}{}
4000 \fi
4001
4002 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
4003 \PersianAlphs

```

## 57 File xepersian-magazine.cls

```

4004 \NeedsTeXFormat{LaTeX2e}
4005 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]

```



```

4006 \RequirePackage{ifthen}
4007 \newlength{\xepersian@imgsize}
4008 \newlength{\xepersian@coltitsize}
4009 \newlength{\xepersian@pageneed}
4010 \newlength{\xepersian@pageleft}
4011 \newlength{\xepersian@indexwidth}
4012 \newcommand{\xepersian@ncolumns}{0}
4013 \newlength{\columnlines}
4014 \setlength{\columnlines}{0 pt} % no lines by default
4015 \newboolean{xepersian@hyphenatedtitles}
4016 \setboolean{xepersian@hyphenatedtitles}{true}
4017 \newboolean{xepersian@ninepoints}
4018 \setboolean{xepersian@ninepoints}{false}
4019 \newboolean{xepersian@showgrid}
4020 \setboolean{xepersian@showgrid}{false}
4021 \newboolean{xepersian@a3paper}
4022 \setboolean{xepersian@a3paper}{false}
4023 \newboolean{xepersian@insidefrontpage}
4024 \setboolean{xepersian@insidefrontpage}{false}
4025 \newboolean{xepersian@insideweather}
4026 \setboolean{xepersian@insideweather}{false}
4027 \newboolean{xepersian@insideindex}
4028 \setboolean{xepersian@insideindex}{false}
4029 \newcount\xepersian@gridrows
4030 \newcount\xepersian@gridcolumns
4031 \xepersian@gridrows=40
4032 \xepersian@gridcolumns=50
4033 \newcount\minraggedcols
4034 \minraggedcols=5
4035 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4036 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4037 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4038 \DeclareOption{twocolumn}%
4039 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4040 \DeclareOption{notitlepage}%
4041 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4042 \DeclareOption{twoside}%
4043 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4044 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4045 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4046 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4047 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4048 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4049 \ProcessOptions\relax
4050 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4051 \RequirePackage{ifxetex}
4052 \RequirePackage{multido}
4053 \RequirePackage{datetime}
4054 \RequirePackage{multicol}
4055 \RequirePackage{fancyhdr}

```



```

4056 \RequirePackage{fancybox}
4057 \ifthenelse{\boolean{xepersian@a3paper}}{%
4058 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4059 }{
4060 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4061 }
4062 \RequirePackage[absolute]{textpos} % absolute positioning
4063 \RequirePackage{hyphenat} % when hyphenate
4064 \RequirePackage{lastpage} % to know the last page number
4065 \RequirePackage{setspace} % set space between lines
4066 \RequirePackage{ragged2e}
4067 \newcommand{\raggedFormat}{\RaggedLeft}
4068 \AtEndOfClass{\xepersianInit}
4069 \ifthenelse{\boolean{xepersian@showgrid}}{%
4070 \AtBeginDocument{
4071 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4072 \advance\minraggedcols by -1
4073 }{%
4074 \AtBeginDocument{
4075 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4076 \advance\minraggedcols by -1
4077 }
4078 \ifthenelse{\boolean{xepersian@ninepoints}}{%
4079 \renewcommand{\normalsize}{%
4080 \setfontsize{\normalsize}{9pt}{10pt}%
4081 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4082 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4083 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4084 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4085
4086 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4087
4088 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4089
4090 \renewcommand{\small}{%
4091 \setfontsize{\small}{8pt}{9pt}%
4092 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4093 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4094 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4095 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4096
4097 \renewcommand{\footnotesize}{%
4098 \setfontsize{\footnotesize}{8pt}{9pt}%
4099 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4100 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4101 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4102 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4103
4104 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4105 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}

```





```

4106 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4107 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4108 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4109 }{}
4110 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4111 \newcommand{\xepersian@wwwFormat}{\sfamily}
4112 \newcommand{\xepersian@www}{%
4113 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
4114 }
4115 \newcommand{\xepersian@edition}{ {
4116 \newcommand{\editionFormat}{\large\bfseries\texttt}
4117 \newcommand{\xepersian@editionLogo}{%
4118 \raisebox{-3pt}{%
4119 {\editionFormat\xepersian@edition}%
4120 }%
4121 }
4122 \newcommand{\indexFormat}{\large\bfseries}
4123 \newcommand{\xepersian@indexFrameTitle}[1]
4124 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
4125
4126 \newcommand{\indexEntryFormat}{\normalsize}
4127 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4128 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4129 \end{minipage}}
4130 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4131 \newcommand{\indexEntryPageTxt}{ {
4132 \newcommand{\indexEntryPageFormat}{\footnotesize}
4133 \newcommand{\xepersian@indexEntryPage}[1]{%
4134 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4135 }
4136 \newcommand{\headDateTimeFormat}{ }
4137 \newcommand{\xepersian@headDateTime}{%
4138 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4139 \currenttime %
4140 }
4141 \newcommand{\weatherFormat}{\bfseries}
4142 \newcommand{\xepersian@weather}[1]{%
4143 \noindent{\weatherFormat #1}%
4144 }
4145 \newcommand{\weatherTempFormat}{\small}
4146 \newcommand{\weatherUnits}{\textdegree}{C}
4147 \newcommand{\xepersian@section}[0]{ {
4148 \newcommand{\xepersian@headleft}{%
4149 {\small\bfseries \@custommagazinename} \date
4150 }
4151 \newcommand{\xepersian@headcenter}{%
4152 \xepersian@section{}
4153 }
4154 \newcommand{\xepersian@headright}{%
4155 \small\xepersian@edition%

```



```

4156 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4157 }
4158
4159 \newcommand{\heading}[3]{%
4160 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4161 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4162 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4163 }
4164 \newcommand{\xepersian@footright}{%
4165 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4166 }
4167 \newcommand{\xepersian@footcenter}{%
4168 }
4169 \newcommand{\xepersian@footleft}{%
4170 }
4171
4172 \newcommand{\foot}[3]{%
4173 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4174 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4175 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4176 }
4177 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4178 \newcommand{\xepersian@firstTitle}[1]{%
4179 {%
4180 \begin{spacing}{2.0}{%
4181 \noindent\ignorespaces
4182 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4183 {\nohyphens{\firstTitleFormat #1}}%
4184 {\{\firstTitleFormat #1}}%
4185 }%
4186 \end{spacing}%
4187 }%
4188 }
4189 \newcommand{\firstTextFormat}{%
4190 \newcommand{\xepersian@firstText}[1]{%
4191 {\noindent\ignorespaces\firstTextFormat #1}%
4192 }
4193 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4194 \newcommand{\xepersian@secondTitle}[1]{%
4195 \begin{spacing}{1.5}{%
4196 \noindent\ignorespaces\flushright
4197 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4198 {\nohyphens{\secondTitleFormat #1}}%
4199 {\{\secondTitleFormat #1}}%
4200 }\end{spacing}%
4201 }
4202 \newcommand{\secondSubtitleFormat}{\large}
4203 \newcommand{\xepersian@secondSubtitle}[1]{%
4204 {\noindent\ignorespaces\secondSubtitleFormat #1}%
4205 }

```



```

4206 \newcommand{\secondTextFormat}{}
4207 \newcommand{\xepersian@secondText}[1]{%
4208 \begin{multicols}{2}
4209 {\noindent\ignorespaces\secondTextFormat #1}
4210 \end{multicols}
4211 }
4212 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4213 \newcommand{\xepersian@thirdTitle}[1]{%
4214 \begin{spacing}{1.5}{%
4215 \noindent\ignorespaces\flushright
4216 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4217 {\nohyphens{\thirdTitleFormat #1}}%
4218 {\thirdTitleFormat #1}}%
4219 }\end{spacing}%
4220 }
4221 \newcommand{\thirdSubtitleFormat}{\large}
4222 \newcommand{\xepersian@thirdSubtitle}[1]{%
4223 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4224 \newcommand{\thirdTextFormat}{}
4225 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4226 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4227 \newcommand{\xepersian@pictureCaption}[1]{%
4228 {\noindent\pictureCaptionFormat #1}%
4229 }
4230 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4231 \newcommand{\xepersian@pages}[1]{%
4232 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4233 \newcommand{\innerTitleFormat}{\Huge}
4234 \newcommand{\xepersian@innerTitle}[1]{%
4235 \begin{flushright}{%
4236 \noindent
4237 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4238 {\nohyphens{\innerTitleFormat #1}}%
4239 {\innerTitleFormat #1}}%
4240 }%
4241 \\\%
4242 \end{flushright}%
4243 }
4244 \newcommand{\innerSubtitleFormat}{\large}
4245 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4246 \newcommand{\timestampTxt}{}
4247 \newcommand{\timestampSeparator}{|}
4248 \newcommand{\timestampFormat}{\small}
4249 \newcommand{\timestamp}[1]{%
4250 {\timestampFormat%
4251 #1~\timestampTxt}%
4252 }~\timestampSeparator}%
4253 }
4254 \newcommand{\innerAuthorFormat}{\footnotesize}
4255 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}

```



```

4256 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4257 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4258 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4259 \newcommand{\editorialAuthorFormat}{\textsc}
4260 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4261 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4262 \newcommand{\shortarticleSubtitleFormat}{\Large}
4263 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4264 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4265 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4266 \renewcommand{\maketitle}{\begin{titlepage}%
4267   \let\footnotesize\small
4268   \let\footnoterule\relax
4269   \let \footnote \thanks
4270   \null\vfil
4271   \vskip 60\p@
4272   \begin{center}%
4273     {\LARGE \@title \par}%
4274     \vskip 1em%
4275     {\LARGE «\xepersian@edition» \par}%
4276     \vskip 3em%
4277     {\large
4278       \lineskip .75em%
4279       \begin{tabular}[t]{c}%
4280         \@author
4281       \end{tabular}\par}%
4282       \vskip 1.5em%
4283       {\large \@date \par}%
4284     \end{center}\par
4285     \@thanks
4286     \vfil\null
4287   \end{titlepage}%
4288   \setcounter{footnote}{0}%
4289   \global\let\thanks\relax
4290   \global\let\maketitle\relax
4291   \global\let\@thanks\@empty
4292   \global\let\@author\@empty
4293   \global\let\@date\@empty
4294   \global\let\@title\@empty
4295   \global\let\title\relax
4296   \global\let\author\relax
4297   \global\let\date\relax
4298   \global\let\and\relax
4299 }
4300 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4301 \newsavebox{\xepersian@fmbox}
4302 \newenvironment{xepersian@fmpage}[1]
4303   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4304   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4305 \newcommand{\image}[2]{

```



```

4306 \vspace{5pt}
4307 \setlength{\fboxsep}{1pt}
4308 \addtolength{\xepersian@imgsize}{\columnwidth}
4309 \addtolength{\xepersian@imgsize}{-1\columnsep}
4310 \ifxetex
4311 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4312 \addtolength{\xepersian@pageneed}{50pt}
4313 \ClassWarning{xepersian-magazine}{%
4314 Image #1 needs: \the\xepersian@pageneed \space %
4315 and there is left: \the\page@free\space%
4316 }
4317 \ifdim \xepersian@pageneed < \page@free
4318
4319 {\centering\fbox{%
4320 \includegraphics[width = \xepersian@imgsize,
4321 height = \xepersian@imgsize,
4322 keepaspectratio ]{#1}}
4323 \xepersian@pictureCaption{#2}
4324
4325 \vspace{5pt}
4326 \else
4327 \ClassWarning{Image #1 needs more space!%
4328 It was not inserted!}
4329 \fi
4330 \fi
4331 }
4332 \textblockorigin{1cm}{1cm}
4333 \newdimen\xepersian@dx
4334 \newdimen\xepersian@dy
4335 \newcount\xepersian@cx
4336 \newcount\xepersian@cy
4337 \newcommand{\grid}[3][ ]{
4338 \xepersian@dx=\textwidth%
4339 \xepersian@dy=\textheight%
4340 \xepersian@cx=#3% %columns
4341 \xepersian@cy=#2% %rows
4342
4343 \count1=#3%
4344 \advance\count1 by 1
4345
4346 \count2=#2%
4347 \advance\count2 by 1
4348
4349 \divide\xepersian@dx by #3
4350 \divide\xepersian@dy by #2
4351
4352 \setlength{\TPHorizModule}{\xepersian@dx}
4353 \setlength{\TPVertModule}{\xepersian@dy}
4354
4355 \ifthenelse{\equal{#1}{show}}{

```



```

4356 \multido{\xepersian@nrow=0+1}{\count2}{
4357 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4358 \rule[0pt]{\textwidth}{.1pt}
4359 \end{textblock}
4360 }
4361
4362 \multido{\xepersian@ncol=0+1}{\count1}{
4363 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4364 \rule[0pt]{.1pt}{\textheight}
4365 \end{textblock}
4366 }
4367 }{}
4368 }
4369 \newcommand{\xepersianInit}{
4370 \setlength{\headheight}{14pt}
4371 \renewcommand{\headrulewidth}{0.4pt}
4372
4373 \pagestyle{fancy}
4374
4375 \setlength{\columnseprule}{\columnlines}
4376 \setlength{\fboxrule}{0.1 pt}
4377
4378 }
4379
4380 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4381 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4382 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4383 \newcommand{\logo}[0]{
4384 %% Heading %%
4385 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4386
4387 \vspace*{-3pt}
4388
4389 {\Large\bfseries \@customlogo}
4390 \hrulefill
4391 \hspace{10pt}\xepersian@headDateTime
4392
4393 }
4394 \newcommand{\minilogo}[0]{
4395 {\large\bfseries \@customminilogo}
4396
4397 \vspace*{5pt}
4398 }
4399 \newcommand{\mylogo}[1]{
4400 {\beginR#1\endR}
4401
4402 \noindent
4403 \xepersian@editionLogo\hspace{5pt}
4404 \hrulefill
4405 \hspace{5pt}\xepersian@headDateTime

```



```

4406 }
4407 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4408 \newenvironment{frontpage}[0]
4409 {
4410 \setboolean{xepersian@insidefrontpage}{true}
4411 \thispagestyle{empty}
4412 \logo
4413
4414 }%
4415 {
4416 \thispagestyle{empty}
4417 \clearpage
4418 \newpage
4419 \fancyhead{}
4420 \fancyfoot{}
4421 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4422 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4423 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4424 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4425 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4426 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4427 \renewcommand{\headrulewidth}{0.4pt}
4428 \setboolean{xepersian@insidefrontpage}{false}
4429
4430 }
4431 \newcommand{\firstarticle}[3]
4432 {
4433 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4434 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4435 \begin{textblock}{24}(22,5)
4436 }
4437 {
4438 \begin{textblock}{28}(22,5)
4439 }
4440 \vspace{-7pt}
4441 \xepersian@firstTitle{#1}
4442 \end{textblock}
4443 \begin{textblock}{29}(22,10)
4444 \vspace{5pt plus 2pt minus 2pt}
4445
4446 \xepersian@firstText{\timestamp{#3}~#2}
4447
4448 \end{textblock}
4449
4450 \begin{textblock}{50}(0,15)
4451 \rule{50\TPHorizModule}{.3pt}
4452 \end{textblock}
4453 }{%else
4454 \ClassError{xepersian-magazine}{%
4455 \protect\firstarticle\space in a wrong place.\MessageBreak

```



```

4456 \protect\firstarticle\space may only appear inside frontpage environment.
4457 }{%
4458 \protect\firstarticle\space may only appear inside frontpage environment.
4459 }%
4460 }
4461 }
4462 \newcommand{\secondarticle}[5]
4463 {
4464 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4465 \begin{textblock}{33}(2,16)
4466 \xepersian@pages{#4}
4467 \vspace{-5pt}
4468 \xepersian@secondTitle{#1}
4469
4470 \vspace*{5pt}
4471
4472 \xepersian@secondSubtitle{#2}
4473
4474 \vspace*{-7pt}
4475
4476 \xepersian@secondText{\timestamp{#5}~#3}
4477
4478 \end{textblock}
4479
4480 \begin{textblock}{33}(2,25)
4481 \vspace{5pt plus 2pt minus 2pt}
4482
4483 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4484 \end{textblock}
4485 }{%else
4486 \ClassError{xepersian-magazine}{%
4487 \protect\secondarticle\space in a wrong place.\MessageBreak
4488 \protect\secondarticle\space may only appear inside frontpage environment.
4489 }{%
4490 \protect\secondarticle\space may only appear inside frontpage environment.
4491 }%
4492 }
4493 }
4494 \newcommand{\thirdarticle}[6]
4495 {
4496 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4497 \begin{textblock}{32}(2,26)
4498 \xepersian@pages{#5}
4499 \vspace{-5pt}
4500 \setlength{\fboxsep}{1pt}
4501 \xepersian@thirdTitle{#1}
4502
4503 \vspace*{5pt}
4504
4505 \xepersian@thirdSubtitle{#2}

```





```

4506
4507 \vspace*{5pt}
4508
4509 {\noindent\ignorespaces %
4510 \ifthenelse{\equal{#4}{}}{}}
4511
4512 \xepersian@thirdText{\timestamp{#6}~#3}
4513
4514 }
4515
4516 \vspace*{5pt}
4517
4518 \end{textblock}
4519 }{%else
4520 \ClassError{xepersian-magazine}{%
4521 \protect\thirdarticle\space in a wrong place.\MessageBreak
4522 \protect\thirdarticle\space may only appear inside frontpage environment.
4523 }{%
4524 \protect\thirdarticle\space may only appear inside frontpage environment.
4525 }%
4526 }
4527 }
4528 \newcommand{\firstimage}[2]
4529 {
4530 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4531 \begin{textblock}{18}(2,5)
4532 \setlength{\fboxsep}{1pt}
4533 \ifxetex % only in PDF
4534 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4535 \fi
4536
4537 \xepersian@pictureCaption{#2}
4538 \end{textblock}}%
4539 }
4540 {\ClassError{xepersian-magazine}{%
4541 \protect\firstimage\space in a wrong place.\MessageBreak
4542 \protect\firstimage\space may only appear inside frontpage environment.
4543 }{%
4544 \protect\firstimage\space may only appear inside frontpage environment.
4545 }}
4546 }%
4547 \newcommand{\weatheritem}[5]{%
4548 \ifthenelse{\boolean{xepersian@insideweather}}{
4549 \begin{minipage}{45pt}
4550 \ifxetex
4551 \includegraphics[width=40pt]{#1}
4552 \fi
4553 \end{minipage}
4554 \begin{minipage}{50pt}
4555 \weatherTempFormat

```



```

4556 #2\\
4557 \beginL#3 $| $ #4 \lr{\weatherUnits{}}\endL\\
4558 #5
4559 \end{minipage}
4560 }{%else
4561 \ClassError{xepersian-magazine}{%
4562 \protect\weatheritem\space in a wrong place.\MessageBreak
4563 \protect\weatheritem\space may only appear inside weatherblock environment.
4564 }{%
4565 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4566 weatherblock environment may only appear inside frontpage environment.
4567 }%
4568 }
4569 }
4570 \newenvironment{weatherblock}[1]
4571 {
4572 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4573 \setboolean{xepersian@insideweather}{true}
4574 \begin{textblock}{32}(2,38)
4575 \vspace*{-15pt}
4576
4577 \xepersian@weather{\beginR#1\endR}
4578
4579 \vspace*{5pt}
4580
4581 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4582 \begin{minipage}{32\TPHorizModule}
4583 \hspace{5pt}
4584
4585 }{%
4586 \ClassError{xepersian-magazine}{%
4587 weatherblock in a wrong place.\MessageBreak
4588 weatherblock may only appear inside frontpage environment.
4589 }{%
4590 weatherblock may only appear inside frontpage environment.
4591 }
4592 }
4593 }%
4594 {
4595 \end{minipage}
4596 \end{xepersian@fmpage}
4597 \end{textblock}
4598 \setboolean{xepersian@insideweather}{false}
4599 }
4600 \newenvironment{authorblock}[0]
4601 {
4602 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4603 \begin{textblock}{15}(36,35)
4604 \setlength{\fbboxsep}{5pt}
4605 \begin{xepersian@fmpage}{13\TPHorizModule}

```



```

4606 \begin{minipage}{13\TPHorizModule}
4607 \centering
4608 \minilogo
4609
4610 }{%else
4611 \ClassError{xepersian-magazine}{%
4612 authorblock in a wrong place.\MessageBreak
4613 authorblock may only appear inside frontpage environment.
4614 }{%
4615 authorblock may only appear inside frontpage environment.
4616 }
4617 }
4618 }
4619 {
4620 \end{minipage}
4621 \end{xepersian@fmpage}
4622 \end{textblock}
4623 }
4624 \newenvironment{indexblock}[1]
4625 {
4626 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4627 \setboolean{xepersian@insideindex}{true}%let's in
4628 \begin{textblock}{15}(36,16)
4629 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4630 \xepersian@indexFrameTitle{#1}
4631
4632 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
4633 \begin{xepersian@fmpage}{xepersian@indexwidth}
4634 \begin{minipage}{xepersian@indexwidth}
4635 \vspace*{10pt}
4636 }{%else
4637 \ClassError{xepersian-magazine}{%
4638 indexblock in a wrong place.\MessageBreak
4639 indexblock may only appear inside frontpage environment.
4640 }{%
4641 indexblock may only appear inside frontpage environment.
4642 }
4643 }
4644 }%
4645 {
4646 \end{minipage}
4647 \end{xepersian@fmpage}
4648 \end{textblock}
4649 \setboolean{xepersian@insideindex}{false}%let's out
4650 }
4651 \newcommand{\indexitem}[2]
4652 {
4653 \ifthenelse{\boolean{xepersian@insideindex}}{
4654 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4655

```



```

4656 \vspace{0.5cm}
4657
4658 \noindent\ignorespaces\indexEntrySeparator{}
4659 }{%else
4660 \ClassError{xepersian-magazine}{%
4661 \protect\indexitem\space in a wrong place.\MessageBreak
4662 \protect\indexitem\space may only appear inside indexblock environment.
4663 }{%
4664 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4665 indexblock environment may only appear inside frontpage environment.
4666 }%
4667 }
4668 }
4669 \newcommand{\xepersian@inexpandedtitle}[1]{
4670 \begin{minipage}{.95\textwidth}
4671 \begin{center}
4672 \noindent\Large\textbf{\beginR#1\endR}
4673 \end{center}
4674 \end{minipage}
4675 }
4676 \newcommand{\expandedtitle}[2]{
4677 \end{multicols}
4678
4679 \begin{center}
4680 \setlength{\fboxsep}{5pt}
4681 \setlength{\shadowsize}{2pt}
4682 \ifthenelse{\equal{#1}{shadowbox}}{%
4683 \shadowbox{%
4684 \xepersian@inexpandedtitle{#2}%
4685 }%
4686 }{}
4687 \ifthenelse{\equal{#1}{doublebox}}{%
4688 \doublebox{%
4689 \xepersian@inexpandedtitle{#2}%
4690 }%
4691 }{}
4692 \ifthenelse{\equal{#1}{ovalbox}}{%
4693 \ovalbox{%
4694 \xepersian@inexpandedtitle{#2}%
4695 }%
4696 }{}
4697 \ifthenelse{\equal{#1}{ovalbox}}{%
4698 \ovalbox{%
4699 \xepersian@inexpandedtitle{#2}%
4700 }%
4701 }{}
4702 \ifthenelse{\equal{#1}{lines}}{
4703 \hrule
4704 \vspace*{8pt}
4705 \begin{center}

```



```

4706 \noindent\Large\textbf{#2}
4707 \end{center}
4708 \vspace*{8pt}
4709 \hrule
4710 {}
4711 \end{center}
4712
4713 \begin{multicols}{\xepersian@ncolumns{}}
4714 \ifnum \xepersian@ncolumns > \minraggedcols
4715 \raggedFormat
4716 \fi
4717 }
4718 \newcommand{\xepersian@incolumntitle}[2]{
4719 \begin{minipage}{#1}
4720 \begin{center}
4721 \noindent\normalsize\textbf{#2}
4722 \end{center}
4723 \end{minipage}
4724 }
4725
4726 \newcommand{\columnntitle}[2]{
4727 \vspace*{5pt}
4728 \begin{center}
4729 \setlength{\fboxsep}{5pt}
4730 \setlength{\shadowsize}{2pt}
4731 \addtolength{\xepersian@coltitsize}{\columnwidth}
4732 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4733 \addtolength{\xepersian@coltitsize}{-5pt}
4734 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4735 \ifthenelse{\equal{#1}{shadowbox}}{%
4736 \shadowbox{%
4737 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4738 }%
4739 }{}
4740 \ifthenelse{\equal{#1}{doublebox}}{%
4741 \doublebox{%
4742 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4743 }%
4744 }{}
4745 \ifthenelse{\equal{#1}{ovalbox}}{%
4746 \ovalbox{%
4747 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4748 }%
4749 }{}
4750 \ifthenelse{\equal{#1}{Ovalbox}}{%
4751 \Ovalbox{%
4752 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4753 }%
4754 }{}
4755 \ifthenelse{\equal{#1}{lines}}{

```



```

4756 \hrule
4757 \vspace*{5pt}
4758 \begin{center}
4759 \noindent\normalsize\textbf{#2}
4760 \end{center}
4761 \vspace*{5pt}
4762 \hrule
4763 }{}
4764 \end{center}
4765 }
4766 \renewcommand{\date}{%
4767 \longdate{\today}%
4768 }
4769 \newcommand{\authorandplace}[2]{%
4770 \rightline{%
4771 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4772 }%
4773 \par %
4774 }
4775 \newcommand{\newsection}[1]{
4776 \renewcommand{\xepersian@section}{#1}
4777 }
4778 \newenvironment{article}[5]
4779 {
4780 \xepersian@say{Adding a new piece of article}
4781 \renewcommand{\xepersian@ncolumns}{#1}
4782 \begin{multicols}{#1}[
4783 \xepersian@pages{#4}
4784 \xepersian@innerTitle{#2}%
4785 \xepersian@innerSubtitle{#3}%
4786 ] [4cm]%
4787 \label{#5}
4788 \ifnum #1 > \minraggedcols
4789 \raggedFormat
4790 \fi
4791 }
4792 {\sim\innerTextFinalMark}
4793 \end{multicols}
4794 }
4795 \newcommand{\articlesep}{%
4796 \setlength{\xepersian@pageneed}{16000pt}
4797 \setlength\xepersian@pageleft{\pagegoal}
4798 \addtolength\xepersian@pageleft{-\pagetotal}
4799
4800 \xepersian@say{How much left \the\xepersian@pageleft}
4801
4802 \ifdim \xepersian@pageneed < \xepersian@pageleft
4803 \xepersian@say{Not enough space}
4804 \else
4805 \xepersian@say{Adding sep line between articles}

```



```

4806 \vspace*{10pt plus 10pt minus 5pt}
4807 \hrule
4808 \vspace*{10pt plus 5pt minus 5pt}
4809 \fi
4810
4811 }
4812 \newcommand{\xepersian@editorialTit}[2]{
4813 \setlength{\arrayrulewidth}{.1pt}
4814 \begin{center}
4815 \begin{tabular}{c}
4816 \noindent
4817 \xepersian@editorialTitle{#1}
4818 \vspace{2pt plus 1pt minus 1pt}
4819 \\
4820 \hline
4821 \vspace{2pt plus 1pt minus 1pt}
4822 \\
4823 \editorialAuthorFormat{#2}
4824 \end{tabular}
4825 \end{center}
4826 }
4827 \newenvironment{editorial}[4]
4828 {
4829 \xepersian@say{Adding a new editorial}
4830 \begin{multicols}{#1}[%
4831 \xepersian@editorialTit{#2}{#3}%
4832 ] [4cm]
4833 \label{#4}
4834 \ifnum #1 > \minraggedcols
4835 \raggedFormat
4836 \fi
4837 }
4838 {
4839 \end{multicols}
4840 }
4841 \newcommand{\xepersian@shortarticleTit}[2]{
4842 \begin{center}
4843 \vbox{%
4844 \noindent
4845 \xepersian@shortarticleTitle{#1}
4846 \vspace{4pt plus 2pt minus 2pt}
4847 \hrule
4848 \vspace{4pt plus 2pt minus 2pt}
4849 \xepersian@shortarticleSubtitle{#2}
4850 }
4851 \end{center}
4852 }
4853 \newenvironment{shortarticle}[4]
4854 {
4855 \xepersian@say{Adding a short article block}

```



```

4856 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4857     \label{#4}
4858 \par %
4859 \ifnum #1 > \minraggedcols
4860 \raggedFormat
4861 \fi
4862 }
4863 {
4864 \end{multicols}
4865 }
4866 \newcommand{\shortarticleitem}[2]{
4867 \goodbreak
4868 \vspace{5pt plus 3pt minus 3pt}
4869 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}%
4870 \vspace{5pt plus 3pt minus 3pt}
4871 {\noindent #2}\\
4872 }

```

## 58 File xepersian-mathsdigitspec.sty

```

4873 \NeedsTeXFormat{LaTeX2e}
4874 \ProvidesPackage{xepersian-mathsdigitspec}
4875 [2018/01/01 v1.1.5 Unicode Persian maths digits in XeLaTeX]
4876 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4877 \let\newfam\new@mathgroup
4878 \def\select@group#1#2#3#4{%
4879 \ifx\math@bgroup\bggroup\else\relax\expandafter\@firstofone\fi
4880 {%
4881 \ifmmode
4882 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4883 \begingroup
4884 \escapechar\m@ne
4885 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4886 \globaldefs\@ne \math@fonts
4887 \endgroup
4888 \init@restore@version
4889 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4890 {\number\csname c@mv@\math@version\endcsname}}}%
4891 \global\advance\csname c@mv@\math@version\endcsname\@ne
4892 \else
4893 \let#1\relax
4894 \@latex@error{Too many math alphabets used in
4895 version \math@version}%
4896 \@eha
4897 \fi
4898 \else \expandafter\non@alpherr\fi
4899 #1{#4}%
4900 }%
4901 }
4902 \def\document@select@group#1#2#3#4{%

```





```

4903 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4904 {%
4905 \ifmode
4906 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4907 \begingroup
4908 \escapechar\m@ne
4909 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4910 \globaldefs\@ne \math@fonts
4911 \endgroup
4912 \expandafter\extract@alph@from@version
4913 \csname mv@\math@version\expandafter\endcsname
4914 \expandafter{\number\csname
4915 c@mv@\math@version\endcsname}%
4916 #1%
4917 \global\advance\csname c@mv@\math@version\endcsname\@ne
4918 \else
4919 \let#1\relax
4920 \@latex@error{Too many math alphabets used
4921 in version \math@version}%
4922 \@eha
4923 \fi
4924 \else \expandafter\non@alpherr\fi
4925 #1{#4}%
4926 }%
4927 }
4928 \ExplSyntaxOn
4929 \bool_set_false:N \g__fontspec_math_bool
4930 \tl_map_inline:nn
4931 {
4932 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4933 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4934 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4935 \version@list\version@elt\alpha@list\alpha@elt
4936 \restore@mathversion\init@restore@version\dorestore@version\process@table
4937 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4938 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
4939 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4940 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4941 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4942 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4943 \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4944 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4945 }
4946 {
4947 \tl_remove_once:Nn \@preamblecmds {\do#1}
4948 }
4949 \ExplSyntaxOff
4950 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4951 \newcommand\SetMathCode[4]{%
4952 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}

```



```

4953 \newcommand\SetMathCharDef[4]{%
4954   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4955 \ExplSyntaxOn
4956 \cs_new_eq:NN \orig_mathbf:n \mathbf
4957 \cs_new_eq:NN \orig_mathit:n \mathit
4958 \cs_new_eq:NN \orig_mathrm:n \mathrm
4959 \cs_new_eq:NN \orig_mathsf:n \mathsf
4960 \cs_new_eq:NN \orig_mathtt:n \mathtt
4961 \NewDocumentCommand \new@mathbf { m } {
4962   \orig_mathbf:n {
4963     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4964       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4965     }
4966     #1
4967   }
4968 }
4969 \NewDocumentCommand \new@mathit { m } {
4970   \orig_mathit:n {
4971     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4972       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4973     }
4974     #1
4975   }
4976 }
4977 \NewDocumentCommand \new@mathrm { m } {
4978   \orig_mathrm:n {
4979     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4980       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4981     }
4982     #1
4983   }
4984 }
4985 \NewDocumentCommand \new@mathsf { m } {
4986   \orig_mathsf:n {
4987     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4988       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4989     }
4990     #1
4991   }
4992 }
4993 \NewDocumentCommand \new@mathtt { m } {
4994   \orig_mathtt:n {
4995     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4996       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4997     }
4998     #1
4999   }
5000 }
5001
5002 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }

```



```

5003 {
5004   \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5005 }
5006 \cs_new:Nn \_xepersian_main_setmathdigitfont:nn
5007 {
5008   \let\glb@currsz\relax
5009   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Mapping=parsidigits,#1} {#2}
5010   \_xepersian_setmathdigitfont_hook:nn {#1} {#2}
5011   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
5012   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5013   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5014   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5015   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5016   \def\persianmathsdigits{%
5017     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5018     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5019     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5020     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5021     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5022     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5023     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5024     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5025     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5026     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5027     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5028     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
5029     \tl_set_eq:NN \mathbf \new@mathbf
5030     \tl_set_eq:NN \mathit \new@mathit
5031     \tl_set_eq:NN \mathrm \new@mathrm
5032   }
5033
5034 \cs_set_eq:NN \_xepersian_setmathdigitfont_hook:nn \use_none:nn
5035
5036 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5037 {
5038   \_xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5039 }
5040 \cs_new:Nn \_xepersian_main_setmathsfdigitfont:nn
5041 {
5042   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1} {#2}
5043   \_xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5044   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfamily_tl}
5045   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5046 }
5047
5048 \cs_set_eq:NN \_xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5049
5050 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5051 {
5052   \_xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}

```



```

5053 }
5054 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5055 {
5056   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1} {#2}
5057   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5058   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
5059   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5060 }
5061
5062 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5063
5064 \ExplSyntaxOff
5065 \ifx\newcommand\undefined\else
5066   \newcommand{\ZifferAn}{}
5067 \fi
5068 \mathchardef\ziffer@DotOri="013A
5069 {\ZifferAn
5070   \catcode\.\=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
5071 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
5072 \def\ziffer@check#1#2{%
5073   \ifx\n1\endgroup#1\else
5074     \ifx\n2\endgroup#1\else
5075       \ifx\n3\endgroup#1\else
5076         \ifx\n4\endgroup#1\else
5077           \ifx\n5\endgroup#1\else
5078             \ifx\n6\endgroup#1\else
5079               \ifx\n7\endgroup#1\else
5080                 \ifx\n8\endgroup#1\else
5081                   \ifx\n9\endgroup#1\else
5082                     \ifx\n0\endgroup#1\else
5083                       \ifx\n\overline\endgroup#1\else
5084                         \endgroup#2%
5085                     \fi
5086                 \fi
5087             \fi
5088         \fi
5089     \fi
5090   \fi
5091   \fi
5092   \fi
5093   \fi
5094   \fi
5095 \fi}
5096 \mathcode\.\="8000\relax
5097 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
5098 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
5099 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
5100 \def\DefaultMathsDigits{%
5101   \DefaultInlineMathsDigits%
5102   \DefaultDisplayMathsDigits%

```



```

5103 }
5104 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
5105 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5106 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5107 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5108 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5109 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5110 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5111 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5112 \def\PersianMathsDigits{%
5113   \PersianInlineMathsDigits%
5114   \PersianDisplayMathsDigits%
5115 }
5116 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
5117 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5118 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5119 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5120 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5121 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5122 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5123 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5124 \def\AutoMathsDigits{%
5125   \AutoInlineMathsDigits%
5126   \AutoDisplayMathsDigits%
5127 }
5128 \AutoMathsDigits
5129 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
5130   \let\SetDisplayMathsDigits\relax%
5131 }
5132 \everydisplay\expandafter{%
5133   \the\everydisplay\SetDisplayMathsDigits%
5134   \let\SetInlineMathsDigits\relax%
5135 }

```

## 59 File xepersian-multiplechoice.sty

```

5136 \NeedsTeXFormat{LaTeX2e}
5137 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5138   Multiple Choice Questionnaire class for Persian in XeLaTeX]
5139 \RequirePackage{pifont}
5140 \RequirePackage{fullpage}
5141 \RequirePackage{ifthen}
5142 \RequirePackage{calc}
5143 \RequirePackage{verbatim}
5144 \RequirePackage{tabularx}
5145 \def\@headerfont{\bfseries}
5146 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5147 \def\@X{X}
5148 \newcommand\X[1]{\gdef\@X{#1}}
5149 \def\pbs#1{\let\tmp=\#1\let\=\tmp}

```



```

5150 \newcolumnntype{D}{>{\pbs\centering}X}
5151 \newcolumnntype{Q}{>{\@headerfont}X}
5152
5153 \renewcommand\tabularxcolumn[1]{m{#1}}
5154 \newcommand\makeform@nocorrection{%
5155   \addtocontents{frm}{\protect\end{tabularx}}
5156   \@starttoc{frm}}
5157 \newcommand\makeform@correction{%
5158   \addtocontents{frm}{\protect\end{tabularx}}}
5159 \newcommand\makemask@nocorrection{%
5160   \addtocontents{msk}{\protect\end{tabularx}}
5161   \@starttoc{msk}}
5162 \newcommand\makemask@correction{%
5163   \addtocontents{msk}{\protect\end{tabularx}}}
5164 \newlength\questionspace
5165 \setlength\questionspace{0pt}
5166 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5167 \def\@answerstitlefont{\bfseries}
5168 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5169 \def\@answernumberfont{\bfseries}
5170 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5171 \newcounter{question}\stepcounter{question}
5172 \newcounter{@choice}
5173 \def\@initorcheck{%
5174   \xdef\@choices{\the@choice}%
5175   \setcounter{@choice}{1}%
5176   \gdef\@arraydesc{|Q||}%
5177   \gdef\@headerline{}}%
5178 \whiledo{\not{\value{@choice}>\@choices}}{
5179   \xdef\@arraydesc{\@arraydesc D|}
5180   \def\@appendheader{\g@addto@macro\@headerline}
5181   \@appendheader{&\protect\@headerfont}
5182   \edef\@the@choice{{\alph{@choice}}}%
5183   \expandafter\@appendheader\@the@choice
5184   \stepcounter{@choice}}%
5185 \addtocontents{frm}{%
5186   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5187   \protect\hline
5188   \@headerline\protect\\\protect\hline\protect\hline}%
5189 \addtocontents{msk}{%
5190   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5191   \protect\hline
5192   \@headerline\protect\\\protect\hline\protect\hline}%
5193 \gdef\@initorcheck{%
5194   \ifthenelse{\value{@choice} = \@choices}{}%
5195   \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5196     (\the@choice\space instead of \@choices)}{%
5197     Questions must all have the same number of proposed answers.%
5198     \MessageBreak
5199     Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}

```



```

5200 \newenvironment{question}[1]{%
5201   %% \begin{question}
5202   \begin{minipage}{\textwidth}
5203     \xdef\@formanswerline{\@questionheader}%
5204     \xdef\@maskanswerline{\@questionheader}%
5205     \fbox{\parbox[c]{\linewidth}{#1}}
5206     \vspace\questionspace\par
5207     {\@answerstylefont\@answerstyle}
5208     \begin{list}{\@answernumberfont\alph{choice}}~{\usecounter{choice}}{-%
5209   %% \end{question}
5210     \end{list}
5211     \@initortcheck%
5212     \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5213     \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5214   \end{minipage}
5215   \stepcounter{question}}
5216 \def\@truesymbol{\ding{52}~}
5217 \def\@falsesymbol{\ding{56}~}
5218 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5219 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5220 \def\@true@nocorrection{\item}
5221 \def\@false@nocorrection{\item}
5222 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5223 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5224 \newcommand\true{%
5225   \xdef\@formanswerline{\@formanswerline&}%
5226   \xdef\@maskanswerline{\@maskanswerline&\X}%
5227   \@true}%
5228 \newcommand>false{%
5229   \xdef\@formanswerline{\@formanswerline&}%
5230   \xdef\@maskanswerline{\@maskanswerline&}%
5231   \@false}%
5232 \def\@correctionstyle{\itshape}
5233 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5234 \newenvironment{correction}{\@correctionstyle}{%
5235   \def\@questionheader{\thequestion}
5236   \answerstyle{
5237 \DeclareOption{nocorrection}{%
5238   \let\@true\@true@nocorrection
5239   \let\@false\@false@nocorrection
5240   \let\correction\comment
5241   \let\endcorrection\endcomment
5242   \def\makeform{\makeform@nocorrection}
5243   \def\makemask{\makemask@nocorrection}}
5244 \DeclareOption{correction}{%
5245   \let\@true\@true@correction
5246   \let\@false\@false@correction
5247   \let\correction\@correction
5248   \let\endcorrection\end@correction
5249   \def\makeform{\makeform@correction}

```



```

5250 \def\makemask{\makemask@correction}}
5251 \ExecuteOptions{nocorrection}
5252 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5253 \def\@questiontitlefont{\bfseries}
5254 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5255 \newlength\questiontitlespace
5256 \setlength\questiontitlespace{5pt}
5257 \newlength\questionsepspace
5258 \setlength\questionsepspace{20pt}
5259 \gdef\@questionsepspace{0pt}
5260 \let\old@question\question
5261 \let\old@endquestion\endquestion
5262 \renewenvironment{question}[1]{%
5263   %% \begin{question}
5264   \vspace\@questionsepspace
5265   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5266   \nopagebreak\vspace\questiontitlespace\par
5267   \old@question{#1}}{%
5268   %% \end{question}
5269   \old@endquestion
5270   \gdef\@questionsepspace{\questionsepspace}}
5271 \questiontitle{ \thequestion:}
5272 \ProcessOptions

```

## 60 File xepersian-persiancal.sty

```

5273 \NeedsTeXFormat{LaTeX2e}
5274 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5275
5276 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5277 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5278 \newcount\XePersian@latini \newcount\XePersian@persiani
5279 \newcount\XePersian@latinii \newcount\XePersian@persianii
5280 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5281 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5282 \newcount\XePersian@latinv \newcount\XePersian@persianv
5283 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5284 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5285 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5286 \newcount\XePersian@latinix \newcount\XePersian@persianix
5287 \newcount\XePersian@latinx \newcount\XePersian@persianx
5288 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5289 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5290 \newcount\XePersian@persianxiii
5291
5292 \newcount\XePersian@temp
5293 \newcount\XePersian@temptwo
5294 \newcount\XePersian@tempthree
5295 \newcount\XePersian@yModHundred
5296 \newcount\XePersian@thirtytwo

```





```

5297 \newcount\XePersian@dn
5298 \newcount\XePersian@sn
5299 \newcount\XePersian@mminusone
5300
5301
5302 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5303 \XePersian@temp=\XePersian@y
5304 \divide\XePersian@temp by 100\relax
5305 \multiply\XePersian@temp by 100\relax
5306 \XePersian@yModHundred=\XePersian@y
5307 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5308 \ifodd\XePersian@yModHundred
5309   \XePersian@leapfalse
5310 \else
5311   \XePersian@temp=\XePersian@yModHundred
5312   \divide\XePersian@temp by 2\relax
5313   \ifodd\XePersian@temp\XePersian@leapfalse
5314   \else
5315     \ifnum\XePersian@yModHundred=0%
5316       \XePersian@temp=\XePersian@y
5317       \divide\XePersian@temp by 400\relax
5318       \multiply\XePersian@temp by 400\relax
5319       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5320     \else\XePersian@leaptrue
5321     \fi
5322   \fi
5323 \fi
5324 \XePersian@latini=31\relax
5325 \ifXePersian@leap
5326   \XePersian@latinii = 29\relax
5327 \else
5328   \XePersian@latinii = 28\relax
5329 \fi
5330 \XePersian@latiniii = 31\relax
5331 \XePersian@latiniv = 30\relax
5332 \XePersian@latinv = 31\relax
5333 \XePersian@latinvi = 30\relax
5334 \XePersian@latinvii = 31\relax
5335 \XePersian@latinviii = 31\relax
5336 \XePersian@latinix = 30\relax
5337 \XePersian@latinx = 31\relax
5338 \XePersian@latinxi = 30\relax
5339 \XePersian@latinxii = 31\relax
5340 \XePersian@thirtytwo=32\relax
5341 \XePersian@temp=\XePersian@y
5342 \advance\XePersian@temp by -17\relax
5343 \XePersian@temptwo=\XePersian@temp
5344 \divide\XePersian@temptwo by 33\relax
5345 \multiply\XePersian@temptwo by 33\relax
5346 \advance\XePersian@temp by -\XePersian@temptwo

```



```

5347 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5348 \else
5349   \XePersian@temptwo=\XePersian@temp
5350   \divide\XePersian@temptwo by 4\relax
5351   \multiply\XePersian@temptwo by 4\relax
5352   \advance\XePersian@temp by -\XePersian@temptwo
5353   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5354 \fi
5355 \XePersian@tempthree=\XePersian@y % Number of Leap years
5356 \advance\XePersian@tempthree by -1
5357 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5358 \divide\XePersian@temp by 4\relax
5359 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5360 \divide\XePersian@temptwo by 100\relax
5361 \advance\XePersian@temp by -\XePersian@temptwo
5362 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5363 \divide\XePersian@temptwo by 400\relax
5364 \advance\XePersian@temp by \XePersian@temptwo
5365 \advance\XePersian@tempthree by -611 % Number of Kabise years
5366 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5367 \divide\XePersian@temptwo by 33\relax
5368 \multiply\XePersian@temptwo by 8\relax
5369 \advance\XePersian@temp by -\XePersian@temptwo
5370 \XePersian@temptwo=\XePersian@tempthree %
5371 \divide\XePersian@temptwo by 33\relax
5372 \multiply\XePersian@temptwo by 33\relax
5373 \advance\XePersian@tempthree by -\XePersian@temptwo
5374 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
5375 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5376 \advance\XePersian@temp by -\XePersian@tempthree
5377 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5378 \XePersian@persiani=31
5379 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5380 \XePersian@persianii = 30\relax
5381 \ifXePersian@kabiseh
5382   \XePersian@persianiii = 30\relax
5383 \else
5384   \XePersian@persianiii = 29\relax
5385 \fi
5386 \XePersian@persianiv = 31\relax
5387 \XePersian@persianv = 31\relax
5388 \XePersian@persianvi = 31\relax
5389 \XePersian@persianvii = 31\relax
5390 \XePersian@persianviii = 31\relax
5391 \XePersian@persianix = 31\relax
5392 \XePersian@persianx = 30\relax
5393 \XePersian@persianxi = 30\relax
5394 \XePersian@persianxii = 30\relax
5395 \XePersian@persianxiii = 30\relax
5396 \XePersian@dn= 0\relax

```



```

5397 \XePersian@sn= 0\relax
5398 \XePersian@mminusone=\XePersian@m
5399 \advance\XePersian@mminusone by -1\relax
5400 \XePersian@i=0\relax
5401 \ifnum\XePersian@i < \XePersian@mminusone
5402 \loop
5403 \advance \XePersian@i by 1\relax
5404 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5405 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5406 \fi
5407 \advance \XePersian@dn by \XePersian@d
5408 \XePersian@i=1\relax
5409 \XePersian@sn = \XePersian@persiani
5410 \ifnum \XePersian@sn<\XePersian@dn
5411 \loop
5412 \advance \XePersian@i by 1\relax
5413 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5414 \ifnum \XePersian@sn<\XePersian@dn \repeat
5415 \fi
5416 \ifnum \XePersian@i < 4
5417 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5418 \advance \XePersian@y by -622\relax
5419 \else
5420 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5421 \advance \XePersian@y by -621\relax
5422 \fi
5423 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5424 \endcsname
5425 \ifnum\XePersian@i = 1
5426 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5427 \else
5428 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5429 \fi
5430 \newcommand*{\persiantoday}{%
5431 \number\XePersian@d\space%
5432 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5433 }
5434 \let\persianyear\XePersian@y
5435 \let\persianmonth\XePersian@m
5436 \let\persianday\XePersian@d
5437 \def\XePersian@persian@month#1{\ifcase#1\or or\
5438 or\
5439 or\ or\
5440 or\
5441 or\ or\
5442 or\ or\
5443 or\ or\
5444 \fi\

```



## Index

Symbols	
<code>\!</code> .....	2194
<code>\%</code> .....	5027
<code>\.</code> .....	5070
<code>\@and</code> .....	3352
<code>\@if@newlist</code> .....	1304, 1324
<code>\@math</code> .....	166
<code>\@maybeautodot</code> .....	2409, 2410, 2428, 2443, 2444, 2462, 2473, 2474, 2492
<code>\@par</code> .....	1721
<code>\@textdigitfont@onfalse</code> ..	3053
<code>\@textdigitfont@ontrue</code> ..	3052
<code>\@Abjad</code> .....	1209, 3360, 3368, 3369, 3847, 3848
<code>\@Alph</code> .....	2422, 2456, 2486, 3626, 3629, 3843, 3848
<code>\@DeclareMathDelimiter</code> ...	4942
<code>\@DeclareMathSizes</code> .....	4933
<code>\@False</code> .....	154, 156
<code>\@Kashida@XB@fixfalse</code> ..	1461, 3790
<code>\@Kashida@XB@fixtrue</code> ..	1460, 3788
<code>\@Kashida@onfalse</code> .....	1458
<code>\@Kashida@ontrue</code> .....	1457
<code>\@LTRfootnotetext</code> .....	1751
<code>\@LTRmarginparreset</code> .....	2984
<code>\@Latincitex</code> ...	73, 74, 1985, 1994, 2184, 2992, 2993
<code>\@M</code> .....	170, 3402, 3503, 3598
<code>\@Mi</code> .....	166
<code>\@Mii</code> .....	1644
<code>\@Miii</code> .....	1646
<code>\@RTL@footnotefalse</code> ..	2975, 2979, 3774
<code>\@RTL@footnotetrue</code> ..	2977, 2980, 3772
<code>\@RTLfalse</code> .....	136, 148, 161, 3727, 3734, 3756
<code>\@RTLfootnotetext</code> .....	1752
<code>\@RTLtabfalse</code> .....	3742
<code>\@RTLtabtrue</code> .....	3740
<code>\@RTLtrue</code> .....	3725, 3732, 3754
<code>\@Roman</code> .....	2424, 2458, 2488
<code>\@SepMark</code> .....	1580
<code>\@SetTab</code> .....	2498
<code>\@True</code> .....	149, 155
<code>\@X</code> .....	5147, 5148, 5226
<code>\@abjad</code> .....	1210, 3587, 3606, 3607, 3842, 3843
<code>\@acol</code> .....	1876, 1884
<code>\@acolampacol</code> ..	1874, 1876, 1882, 1884
<code>\@adadi</code> .....	1207, 2420, 2454, 2484, 3376, 3378, 3381
<code>\@addamp</code> .....	1875, 1883
<code>\@addtopreamble</code> .....	1843
<code>\@alph</code> .....	2423, 2457, 2487, 2499, 3625, 3628, 3842, 3847
<code>\@ampacol</code> .....	1874, 1882
<code>\@answernumberfont</code> ..	5169, 5170, 5208
<code>\@answerstitle</code> .....	5166, 5207
<code>\@answerstitlefont</code> ..	5167, 5168, 5207
<code>\@appendheader</code> ..	5180, 5181, 5183
<code>\@arrayclassz</code> .....	1874
<code>\@arraydesc</code> ..	5176, 5179, 5186, 5190
<code>\@arrayrule</code> .....	1822, 1823, 1824, 1866, 1867, 1868
<code>\@author</code> .....	4280, 4292
<code>\@autodottrue</code> ..	2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490
<code>\@auxout</code> .....	2998, 3905, 3909
<code>\@begin@tempboxa</code> .....	1721
<code>\@biblabel</code> .....	1986, 1995
<code>\@bibsetup</code> .....	1987, 1996
<code>\@bidi@inslogo@</code> .....	3883, 3885
<code>\@bidi@list@minipage@parbox@not@nobtrue</code>	

..... 1718, 1740  
 \@bidi@list@minipage@parboxtrue  
 ..... 1719, 1741  
 \@bidi@logo ..... 3321  
 \@bidi@logo@ ..... 3319, 3885  
 \@bidi@logo@hb@xt@ ..... 3319  
 \@bidi@pdfcreator ..... 3323  
 \@bidi@pdfm@markfalse .... 3892  
 \@bidi@pdfm@marktrue ..... 3890  
 \@bidi@tuftesidenote@LTRmarginfont  
 ..... 86  
 \@bidi@tuftesidenote@RTLmarginfont  
 ..... 88  
 \@bsphack ..... 1643  
 \@capytype .. 1631, 1694, 1941, 1951  
 \@ccclvi ..... 4876, 4882, 4906  
 \@chapapp .. 30, 102, 113, 120, 132,  
 1285, 1297, 1586, 2376, 2383,  
 2390, 2398, 2439, 2469  
 \@chclass . 1756, 1764, 1772, 1787,  
 1801, 1806, 1821, 1837, 1857,  
 1865, 1895, 1918, 1932  
 \@chnum 1758, 1759, 1760, 1761, 1762,  
 1763, 1773, 1780, 1794, 1807,  
 1814, 1830, 1843, 1859, 1860,  
 1861, 1862, 1863, 1864, 1878,  
 1886, 1896, 1903, 1925  
 \@choices .. 5174, 5178, 5194, 5196  
 \@cite 1973, 1980, 1992, 2008, 2097,  
 2995  
 \@cite@ofmt ..... 3003  
 \@citea 2013, 2027, 2041, 2050, 2051,  
 2052, 2057, 2072, 2080, 2081,  
 2082, 2116, 2132, 2150, 2994,  
 2996  
 \@citeb 2009, 2011, 2013, 2016, 2018,  
 2019, 2021, 2044, 2075, 2098,  
 2100, 2102, 2105, 2107, 2108,  
 2110, 2995, 2997, 2998, 2999,  
 3002, 3003  
 \@citex ..... 1984, 1993  
 \@classx ..... 1840  
 \@classz ..... 1840  
 \@correction ..... 5247  
 \@correctionstyle 5232, 5233, 5234  
 \@ctrerr ..... 3367, 3372  
 \@currbox . 1651, 1697, 1701, 1940,  
 1944, 1950, 1954  
 \@currenvir ..... 2258, 2260, 2261  
 \@customlogo ..... 4380, 4389  
 \@custommagazinenam . 4149, 4382  
 \@customminilogo .... 4381, 4395  
 \@customwwwTxt .. 4110, 4113, 4165  
 \@date ..... 4283, 4293  
 \@dblfpbot ..... 3315  
 \@dblfpsep ..... 3314  
 \@dblftop ..... 3313  
 \@defaultunits ..... 3090, 3094  
 \@dgroup ..... 148  
 \@dmath ..... 136, 165  
 \@doendpe ..... 2275  
 \@dseries ..... 161  
 \@eha ..... 4896, 4922  
 \@empty 151, 1638, 1998, 2008, 2011,  
 2097, 2100, 2229, 2994, 2997,  
 3461, 3467, 3470, 3473, 3578,  
 3885, 4291, 4292, 4293, 4294  
 \@emptytoks ..... 150  
 \@enGroup ..... 1199  
 \@enLabel . 1190, 1191, 1192, 1193,  
 1194, 1195, 1196, 1197  
 \@enOther ..... 1201  
 \@enSpace ..... 1198  
 \@end@tempboxa ..... 1736  
 \@endpbox ..... 1850, 1851  
 \@enhook ..... 1202  
 \@enloop@ ..... 1189  
 \@entemp .. 1190, 1191, 1192, 1193,  
 1194, 1195, 1196, 1197, 1198,  
 1199, 1200  
 \@enum@ ..... 1200  
 \@extra@b@citeb 2013, 2019, 2021,  
 2044, 2075, 2102, 2108, 2110  
 \@extrafootnote@featuresfalse .  
 ..... 3800  
 \@extrafootnote@featurestrue ..  
 ..... 3798  
 \@false ..... 5231, 5239, 5246  
 \@false@correction .. 5223, 5246  
 \@false@nocorrection . 5221, 5239  
 \@falsesymbol ... 5217, 5219, 5223  
 \@firststampfalse ..... 1876, 1884



`\@firstofone` 1382, 1383, 2011, 2100, 2997, 4879, 4903  
`\@firstoftwo` . . . . 2566, 2572, 2578  
`\@float@HH` . . . . . 1937, 1938  
`\@float@Hx` . . . . . 1936, 1937  
`\@float@` . . . . . 1937, 1948  
`\@floatboxreset` . 1707, 1946, 1956  
`\@floatcapt` . . . . . 1941, 1951  
`\@floatpenalty` . . 1644, 1646, 1649  
`\@flstylefalse` . . . . 1943, 1953  
`\@flstyletrue` . . . . . 1943, 1953  
`\@fltovf` . . . . . 1699  
`\@footnotetext` . . . . . 1750  
`\@for` . . . . . 2009, 2098, 2995, 3687  
`\@formanswerline` 5203, 5212, 5225, 5229  
`\@fpbot` . . . . . 3312  
`\@fps` . . 1632, 1633, 1635, 1638, 1655  
`\@fpsadddefault` . . . . 1636, 1639  
`\@fpsep` . . . . . 3311, 3314  
`\@fptop` . . . . 3310, 3312, 3313, 3315  
`\@freelist` . . . . . 1651  
`\@gobble` . . . 1200, 1312, 1313, 1314  
`\@harfi` 12, 20, 31, 34, 43, 49, 55, 61, 103, 114, 121, 133, 1208, 1275, 1286, 1298, 1404, 1587, 2377, 2384, 2391, 2399, 2406, 2419, 2440, 2453, 2470, 2483, 3370, 3373, 3374  
`\@headerfont` 5145, 5146, 5151, 5181  
`\@headerline` 5177, 5180, 5188, 5192  
`\@ifclassloaded` 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3806, 3818, 3830  
`\@ifdefinable` . . . . . 2293, 2295  
`\@ifdefinitionfileloaded` 1628, 1771, 1804, 1894, 1935, 3641, 3642  
`\@ifnextchar` 1937, 2178, 2184, 2992  
`\@ifnum` 2115, 2117, 2119, 2126, 2127, 2130, 2142, 2165, 2167  
`\@ifpackageloaded` 76, 1502, 1506, 2187, 2191, 2283, 2291, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660  
`\@ifstar` . . . . . 2177  
`\@ifundefined` 72, 2013, 2019, 2102, 2108, 2999  
`\@ignoretrue` . . . . . 172  
`\@iiiminipage` . . . . . 1737  
`\@iiiparbox` . . . . . 1715  
`\@indexfile` . . . . 3808, 3820, 3832  
`\@initorcheck` . . . 5173, 5193, 5211  
`\@inlabelfalse` . . . . . 139  
`\@input@` . . . . . 3810, 3822, 3834  
`\@lastchclass` . . 1756, 1757, 1773, 1774, 1775, 1776, 1778, 1807, 1808, 1809, 1810, 1812, 1857, 1858, 1874, 1882, 1896, 1897, 1898, 1899, 1901  
`\@latex@error` . . . . . 4894, 4920  
`\@latex@warning` . . . . . 3001  
`\@latinAlph` . . . . . 3626, 3629  
`\@latinalph` . 2499, 3625, 3628, 3631  
`\@list@extra` 3199, 3206, 3215, 3222, 3230, 3237, 3245, 3253, 3260, 3269, 3273, 3278, 3282, 3287, 3291, 3296  
`\@listI` . . . . . 3113, 3208  
`\@listdepth` . . . . . 1753  
`\@listi` 3113, 3130, 3147, 3202, 3208, 3298  
`\@listi@footnotesize` . 3147, 3233  
`\@listi@small` . . . . . 3130, 3218  
`\@listii` . . . . . 3248  
`\@listiii` . . . . . 3263  
`\@listiv` . . . . . 3276  
`\@listv` . . . . . 3285  
`\@listvi` . . . . . 3294  
`\@m` . . . . 1990, 2996, 3401, 3502, 3596  
`\@mainmatterfalse` . . 97, 108, 126, 1279, 2433  
`\@maskanswerline` 5204, 5213, 5226, 5230  
`\@memfront` . . . . . 1578  
`\@minipagefalse` . . . . . 2989  
`\@minipagerestore` . . . . . 1754



<code>\@minipagetrue</code> . . . . .	2988	<code>\@outputpage</code> . . . . .	1300
<code>\@minus</code> 3061, 3063, 3067, 3069, 3075, 3077, 3081, 3083, 3257		<code>\@parboxrestore</code> 1305, 1706, 1721, 1748, 1945, 1955	
<code>\@mpLTRfootnotetext</code> . . . . .	1751	<code>\@parboxto</code> . . . . .	1724, 1733
<code>\@mpRTLfootnotetext</code> . . . . .	1752	<code>\@parmoderr</code> . . . . .	1649
<code>\@mpargs</code> . . . . .	1743	<code>\@pboxswfalse</code> . . . . .	1717, 1739
<code>\@mpfn</code> . . . . .	1749	<code>\@pboxswtrue</code> . . . . .	1731
<code>\@mpfootnotetext</code> . . . . .	1750	<code>\@plus</code> 3061, 3063, 3067, 3069, 3075, 3077, 3081, 3083, 3257, 3310, 3311	
<code>\@mplistdepth</code> . . . . .	1753	<code>\@ppsavesec</code> . . . . .	25
<code>\@namedef</code> . . 1967, 2021, 2110, 2274		<code>\@preamble</code> . . . . .	1877, 1885
<code>\@ne</code> . . 1661, 1667, 1760, 1761, 1764, 1773, 1783, 1784, 1788, 1807, 1817, 1818, 1822, 1823, 1824, 1861, 1862, 1866, 1867, 1868, 1896, 1906, 1907, 1919, 2115, 2127, 2129, 2142, 2150, 2962, 2963, 3039, 3388, 3429, 3436, 3448, 3453, 3489, 3530, 3537, 3549, 3554, 3695, 3935, 3936, 3937, 3938, 3939, 4886, 4891, 4910, 4917		<code>\@preamerr</code> 1767, 1801, 1837, 1871, 1932	
<code>\@newlistfalse</code> . . . . .	1305	<code>\@ptsize</code> . . . . .	3093
<code>\@next</code> . . . . .	1651	<code>\@questionheader</code> 5203, 5204, 5235	
<code>\@nextchar</code> 1779, 1781, 1782, 1783, 1784, 1785, 1786, 1788, 1789, 1790, 1791, 1792, 1795, 1796, 1797, 1798, 1799, 1800, 1813, 1815, 1816, 1817, 1818, 1819, 1820, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1831, 1832, 1833, 1834, 1835, 1836, 1848, 1850, 1851, 1902, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1919, 1920, 1921, 1922, 1923, 1926, 1927, 1928, 1930, 1931		<code>\@questionsepspace</code> . 5259, 5264, 5270	
<code>\@nextchar</code> . . . . .	1929	<code>\@questiontitle</code> . . . . .	5252, 5265
<code>\@nil</code> . 2204, 2208, 2209, 2214, 2216, 3419, 3422, 3520, 3523		<code>\@questiontitlefont</code> . 5253, 5254, 5265	
<code>\@nnil</code> . . . . .	3090, 3094, 3098, 3099	<code>\@resetactivechars</code> . . . . .	1303
<code>\@nodocument</code> . . . . .	1630	<code>\@resets@pp</code> . . . . .	24, 1388, 1389
<code>\@nonlatinfalse</code> . . . . .	2950, 3747	<code>\@roman</code> . . . . .	2425, 2459, 2489
<code>\@nonlatintrue</code> . . . . .	2964, 3749	<code>\@safe@activesfalse</code> . . 2012, 2101	
<code>\@onelevel@sanitize</code> . . . . .	1633	<code>\@safe@activetrue</code> . . 2010, 2099	
<code>\@outputbox</code> . . . . .	1322	<code>\@secondoftwo</code> . . . 2568, 2574, 2580	
		<code>\@setfontsize</code> . . 3107, 3124, 3141, 3152, 3158, 3164, 3170, 3176, 3182, 3188, 4080, 4086, 4088, 4091, 4098, 4104, 4105, 4106, 4107, 4108	
		<code>\@setfpsbit</code> 1671, 1674, 1677, 1680, 1683, 1686	
		<code>\@setminipage</code> . . . . .	1755
		<code>\@setnobreak</code> . . . . .	1946, 1956
		<code>\@sharp</code> 1879, 1880, 1881, 1887, 1888, 1889	
		<code>\@smemfront</code> . . . . .	1579
		<code>\@sptoken</code> . . . . .	1198
		<code>\@startpbox</code> . . . . .	1850, 1851
		<code>\@starttoc</code> . . . . .	3337, 5156, 5161
		<code>\@stop</code> . . . . .	2410, 2444, 2474
		<code>\@sx@xepersian@localize@verbatim</code> . . . . .	1967



`\@tabclassz` . . . . . 1882  
`\@tartibi` . . . . . 9, 16, 39, 45,  
51, 57, 94, 105, 116, 128, 1206,  
1271, 1281, 1293, 1401, 1581,  
1582, 2372, 2379, 2386, 2394,  
2402, 2421, 2435, 2455, 2465,  
2485, 3482, 3484, 3487  
`\@tempa` 1190, 1191, 1192, 1193, 1194,  
1195, 1196, 1197, 1198, 1199,  
1200, 1201, 1204, 2214, 2216,  
2299, 2300, 2301, 2302, 2303,  
2304, 2305, 2306, 2307, 2308,  
2309, 3098, 3099  
`\@tempb` 3096, 3099, 3116, 3133, 3150,  
3156, 3162, 3168, 3174, 3180,  
3186  
`\@tempboxa` . . . . . 1744  
`\@tempc` 2229, 2242, 2252, 2254, 2255,  
2258, 2266  
`\@tempcnta` 1653, 1659, 1661, 1665,  
1667, 1689, 1690, 1696, 1697,  
1841, 2124, 2125, 2126, 2129,  
2130, 3686, 3689, 3695  
`\@tempcntb` . . . . . 1694, 1695, 1696  
`\@tempdima` 1720, 1721, 1742, 1746,  
3089, 3090, 3091, 3095, 3097,  
3108, 3115, 3116, 3125, 3132,  
3133, 3142, 3149, 3150, 3153,  
3155, 3156, 3159, 3161, 3162,  
3165, 3167, 3168, 3171, 3173,  
3174, 3177, 3179, 3180, 3183,  
3185, 3186, 3189  
`\@tempdimb` 1723, 1724, 3094, 3095,  
3101, 3102, 3104, 3108, 3116,  
3118, 3119, 3121, 3125, 3133,  
3135, 3136, 3138, 3142, 3150,  
3153, 3156, 3159, 3162, 3165,  
3168, 3171, 3174, 3177, 3180,  
3183, 3186, 3189, 3192, 3194,  
3196, 3210, 3212, 3225, 3227,  
3240, 3242, 3256, 3299, 3300,  
3302, 3304, 3306, 3311, 3316,  
3949, 3950  
`\@tempdimc` 3091, 3092, 3093, 3095,  
3096, 3097, 3115, 3132, 3149,  
3155, 3161, 3167, 3173, 3179,  
3185  
`\@tempskipa` . . . . . 3953, 3954  
`\@tempswafalse` . 2142, 2992, 3197,  
3213, 3228, 3243, 3258, 3271,  
3280, 3289  
`\@tempwatrue` . . 2141, 2992, 3199,  
3215, 3230, 3245, 3260, 3273,  
3282, 3291  
`\@temptokena` 2215, 2222, 2227, 2233,  
2240, 2250, 2264  
`\@testpach` 1756, 1772, 1806, 1857,  
1895  
`\@tfor` . . . . . 1654, 2299  
`\@thanks` . . . . . 4285, 4291  
`\@the@choice` . . . . . 5182, 5183  
`\@themargin` . . . . . 1318  
`\@title` . . . . . 4273, 4294  
`\@true` . . . . . 5227, 5238, 5245  
`\@true@correction` . . . 5222, 5245  
`\@true@nocorrection` . . 5220, 5238  
`\@truesymbol` . . . . 5216, 5218, 5222  
`\@verbatim` 1964, 1967, 2272, 2274,  
2285  
`\@vobeyspaces` . . . . . 1964, 2272  
`\@warning` . . . . . 2271  
`\@x@xepersian@localize@verbatim`  
. . . . . 1964  
`\@xDeclareMathDelimiter` . . 4942  
`\@xepersian@@baselineskip@scale`  
. . . 2939, 2948, 2961, 2971  
`\@xepersian@@computeautoilgfalse`  
. . . . . 3899  
`\@xepersian@@computeautoilgtrue`  
. . . . . 3897  
`\@xepersian@@fontsize@scale` . .  
. . . 2938, 2943, 2960, 2970  
`\@xepersian@info` 2537, 2559, 2561  
`\@xepersian@pdfcustomproperties`  
. . . . . 3327  
`\@xfloat` . . . . . 1629, 1936, 1937  
`\@xxDeclareMathDelimiter` . 4941  
`\@xxxii` . . . . . 1695  
`@\` . . . . . 1608, 1609  
`@\` . . . . . 1604, 1605, 1607  
`@\` . . . . . 2186  
`] \` . . . . . 2194





$\backslash\backslash$  1961, 2194, 4241, 4556, 4557, 4819,  
4822, 4871, 5149, 5188, 5192,  
5212, 5213  
 $\backslash\{$  ..... 1960, 2194  
 $\backslash\}$  ..... 1960, 2194  
 $\backslash]$  ..... 2194  
 $\backslash^$  ..... 2195  
 $\backslash_$  2615, 2618, 2631, 2635, 2639, 2642,  
2654, 2677, 2681, 2682, 2689,  
2692, 2704, 2708, 2715, 2720,  
2723, 2739, 2744, 2747, 2794,  
2797, 2810, 2814, 2818, 2821,  
2834, 2838, 2842, 2845, 2858,  
2862, 2866, 2869, 2882, 2886,  
2890, 2893, 2906, 2910, 2914,  
2917, 2930, 2934, 5004, 5006,  
5010, 5034, 5038, 5040, 5043,  
5048, 5052, 5054, 5057, 5062  
 $\backslash|$  ..... 4557  
 $\backslash\sim$  ..... 2195  
  
 $\backslash\sqcup$  1343, 1345, 2996, 3425, 3431, 3450,  
3456, 3526, 3532, 3551, 3561,  
4156, 4165  
  
**A**  
 $\backslash\text{abj@num@i}$  ..... 3592, 3609, 3616  
 $\backslash\text{abj@num@ii}$  ..... 3594, 3613, 3620  
 $\backslash\text{abj@num@iii}$  ..... 3596, 3617, 3623  
 $\backslash\text{abj@num@iv}$  ..... 3598, 3621  
 $\backslash\text{Abjad}$  ..... 1209, 1214, 3368  
 $\backslash\text{abjad}$  ..... 1210, 1215, 3606  
 $\backslash\text{abjad@zero}$  ..... 3608, 3612  
 $\backslash\text{Abjadnumeral}$  ..... 3369  
 $\backslash\text{abjadnumeral}$  ..... 3607  
 $\backslash\text{abovedisplayshortskip}$  .. 3102,  
3110, 3119, 3127, 3136, 3144,  
4083, 4084, 4094, 4095, 4101,  
4102  
 $\backslash\text{abovedisplayskip}$  .. 3100, 3105,  
3109, 3117, 3122, 3126, 3134,  
3139, 3143, 4081, 4082, 4092,  
4093, 4099, 4100  
 $\backslash\text{abstractname}$  ..... 3349  
 $\backslash\text{active}$  ..... 2195, 5070  
  
 $\backslash\text{adadi}$  1191, 1207, 1212, 2413, 2447,  
2477, 3375  
 $\backslash\text{adadinumeral}$  ..... 3381  
 $\backslash\text{AddEnumerateCounter}$  1206, 1207,  
1208, 1209, 1210  
 $\backslash\text{addfontfeature}$  ..... 3921  
 $\backslash\text{addfontfeatures}$  .. 136, 148, 161  
 $\backslash\text{addtocontents}$  . 5155, 5158, 5160,  
5163, 5185, 5189, 5212, 5213  
 $\backslash\text{addtolength}$  3092, 4308, 4309, 4312,  
4731, 4732, 4733, 4734, 4798  
 $\backslash\text{addtoversion}$  ..... 4934  
 $\backslash\text{adl@argarraydashrule}$  1824, 1868  
 $\backslash\text{adl@arraydashrule}$  .. 1823, 1867  
 $\backslash\text{adl@arrayrule}$  ..... 1822, 1866  
 $\backslash\text{adl@box}$  ..... 1848, 1850, 1851  
 $\backslash\text{adl@class@iiiorvii}$  .. 1854, 1891  
 $\backslash\text{adl@class@start}$  .... 1853, 1890  
 $\backslash\text{adl@endmbox}$  ..... 1849  
 $\backslash\text{adl@putlrc}$  1845, 1846, 1847, 1879,  
1880, 1881, 1887, 1888, 1889  
 $\backslash\text{adl@startmbox}$  ..... 1848  
 $\backslash\text{advance}$  .. 1346, 1661, 1667, 1690,  
1696, 2129, 3039, 3041, 3695,  
4072, 4076, 4344, 4347, 4891,  
4917, 5307, 5342, 5346, 5352,  
5356, 5361, 5364, 5365, 5369,  
5373, 5374, 5376, 5377, 5379,  
5399, 5403, 5404, 5407, 5412,  
5413, 5417, 5418, 5420, 5421,  
5423, 5426, 5428  
 $\backslash\text{aftergroup}$  1307, 1309, 3199, 3215,  
3230, 3245, 3260, 3273, 3282,  
3291  
 $\backslash\text{ALG@name}$  ..... 5, 7  
 $\backslash\text{algorithmicensure}$  ..... 3  
 $\backslash\text{algorithmicrequire}$  ..... 2  
 $\backslash\text{ALGS@name}$  ..... 6, 7  
 $\backslash\text{aliasfontfeature}$  .. 1518, 1519,  
1520, 1521, 1522, 1523, 1524,  
1525, 1526, 1527, 1528, 1529,  
1530, 1531, 1532, 1533, 1534,  
1535, 1536, 1537, 1538, 1539,  
1540, 1541, 1542, 1543, 1544,  
1545, 1546, 1547, 1548, 1549,  
1550, 1551, 1552, 1553, 1554,



1555, 1556, 1557, 1558, 1559,  
 1560, 1561, 1562, 1563, 1564,  
 1565, 1566, 1567, 1568, 1569,  
 1570  
 \aliasfontfeatureoption . 1571,  
 1572, 1573, 1574, 1575, 1576  
 \alloc@ . . . . . 4876  
 \Alph . 1193, 1375, 1376, 2415, 2449,  
 2479  
 \alph . 1194, 2416, 2450, 2480, 2506,  
 5182, 5208  
 \alpha@elt . . . . . 4935  
 \alpha@list . . . . . 4935  
 \anappendixtrue . . . . . 1588  
 \and . . . . . 4298  
 \answernumberfont . . . . . 5170  
 \answerstitle . . . . . 5166, 5236  
 \answerstitlefont . . . . . 5168  
 \appendix . . . . . 10, 17, 40, 46,  
 52, 58, 99, 110, 117, 129, 1272,  
 1282, 1294, 1372, 1373, 1402,  
 1583, 2373, 2380, 2387, 2395,  
 2403, 2436, 2466  
 \appendixautorefname . . . . . 1361  
 \appendixname . . . . . 11, 19, 30,  
 102, 113, 120, 132, 1285, 1297,  
 1403, 1586, 2376, 2383, 2390,  
 2398, 2439, 2469, 3346  
 \arabic . . . . . 1197  
 \arrayrulewidth . . . . . 4813  
 \articlesep . . . . . 4795  
 \AtBeginDocument . 71, 1371, 1474,  
 1967, 2174, 2279, 3883, 4070,  
 4074  
 \AtEndOfClass . . . . . 4068  
 \author . . . . . 4296  
 \authorandplace . . . . . 4769  
 \AutoDisplayMathsDigits . 3717,  
 5120, 5126  
 \autofootnoterule . . . . . 3760  
 \AutoInlineMathsDigits . . 3709,  
 5116, 5125  
 \AutoMathsDigits 3701, 5124, 5128  
  
**B**  
 \backrefpagesname . . . . . 63

\baselineskip . . 1315, 3042, 3045,  
 3986, 3988, 3990, 3993, 3994,  
 3996  
 \begin 2188, 2189, 2979, 2980, 3335,  
 4124, 4127, 4180, 4195, 4208,  
 4214, 4235, 4266, 4272, 4279,  
 4303, 4357, 4363, 4435, 4438,  
 4443, 4450, 4465, 4480, 4497,  
 4531, 4549, 4554, 4574, 4581,  
 4582, 4603, 4605, 4606, 4628,  
 4633, 4634, 4670, 4671, 4679,  
 4705, 4713, 4719, 4720, 4728,  
 4758, 4782, 4814, 4815, 4830,  
 4842, 4856, 5186, 5190, 5201,  
 5202, 5208, 5263  
 \begingroup . 144, 1301, 1959, 2176,  
 2192, 2272, 2274, 2585, 2587,  
 3198, 3214, 3229, 3244, 3259,  
 3272, 3281, 3290, 4883, 4907,  
 5070  
 \beginL . . . . . 2989, 4156, 4557  
 \beginR 4160, 4161, 4162, 4173, 4174,  
 4175, 4380, 4381, 4382, 4400,  
 4421, 4422, 4423, 4424, 4425,  
 4426, 4577, 4672  
 \belowdisplayshortskip . . 3103,  
 3112, 3120, 3129, 3137, 3146,  
 4084, 4095, 4102  
 \belowdisplayskip . . 3105, 3111,  
 3122, 3128, 3139, 3145, 4082,  
 4093, 4100  
 \bfseries . 2014, 2103, 2999, 3319,  
 4116, 4122, 4141, 4149, 4177,  
 4193, 4212, 4226, 4230, 4255,  
 4260, 4264, 4389, 4395, 5145,  
 5167, 5169, 5253  
 \bgroup 1199, 1704, 1744, 1945, 1955,  
 2673, 4879, 4903  
 \bibname . . . . . 3353  
 \bidi@footnotetext@font . 1330  
 \bidi@LTRfootnotetext@font . .  
 . . . . . 1332  
 \bidi@RTLfootnotetext@font . .  
 . . . . . 1334  
 \bidi@thebibliography@font@hook  
 . . . . . 3632





`\ClassError` 4454, 4486, 4520, 4540,  
 4561, 4586, 4611, 4637, 4660,  
 5195  
`\ClassWarning` . . 4039, 4041, 4043,  
 4313, 4327  
`\cleardoubleoddpages` . . . . . 2432  
`\cleardoublepages` 15, 96, 107, 125,  
 1278  
`\clearpage` . . . . . 2432, 4417  
`\closeout` . . . . . 3808, 3820, 3832  
`\color@begingroup` . . . . . 1745  
`\color@vbox` . . . . . 1702, 1944, 1954  
`\columnlines` 4013, 4014, 4046, 4375  
`\columnsep` . . . . . 4309, 4732  
`\columnseprule` . . . . . 4375  
`\columntitle` . . . . . 4726  
`\columnwidth` 1705, 1747, 1945, 1955,  
 4308, 4731  
`\comment` . . . . . 5240  
`\contentsname` . . . . . 3335, 3343  
`\copyright` . . . . . 4165  
`\correction` . . . . . 5240, 5247  
`\correctionstyle` . . . . . 5233  
`\count` 1697, 4343, 4344, 4346, 4347,  
 4356, 4362  
`\count@` . . . . . 1841  
`\cs` 2282, 2284, 2618, 2635, 2642, 2677,  
 2692, 2708, 2723, 2725, 2730,  
 2747, 2749, 2754, 2797, 2814,  
 2821, 2838, 2845, 2862, 2869,  
 2886, 2893, 2910, 2917, 2934,  
 4956, 4957, 4958, 4959, 4960,  
 5006, 5034, 5040, 5048, 5054,  
 5062  
`\csname` 1501, 1694, 1734, 1939, 1942,  
 1949, 1952, 1969, 2276, 2293,  
 2294, 2295, 2296, 2297, 2407,  
 2441, 2471, 2586, 2589, 2595,  
 2597, 3003, 3200, 3216, 3231,  
 3246, 3261, 3274, 3283, 3292,  
 3368, 3373, 3376, 3482, 3606,  
 3966, 3968, 3972, 3974, 3978,  
 3980, 4882, 4885, 4890, 4891,  
 4906, 4909, 4913, 4914, 4917,  
 4952, 4954, 5404, 5413, 5423  
`\currenttime` . . . . . 4139

`\customlogo` . . . . . 4380  
`\custommagazinenam` . . . . . 4382  
`\customminilogo` . . . . . 4381  
`\customwwwText` . . . . . 4110

## D

`\dollarbegin` . . . . . 1845, 1846, 1847  
`\dollarend` . . . . . 1845, 1846, 1847  
`\date` . . . . . 4138, 4149, 4297, 4766  
`\datename` . . . . . 3351  
`\day` . . . . . 5302  
`\dblfloatsep` . . . . . 3308  
`\dbltextfloatsep` . . . . . 3309  
`\decimalseparator` . . . 5028, 5097  
`\DeclareDocumentCommand` . 2613,  
 2637, 2679, 2687, 2713, 2718,  
 2737, 2742, 2792, 2816, 2840,  
 2864, 2888, 2912, 5002, 5036,  
 5050  
`\DeclareMathAccent` . . . . . 4940  
`\DeclareMathAlphabet` . . . . . 4939  
`\DeclareMathDelimiter` . . . . 4941  
`\DeclareMathRadical` . . . . . 4943  
`\DeclareMathSizes` . . . . . 4932  
`\DeclareMathSymbol` . . . . . 4940  
`\DeclareMathVersion` . . . . . 4934  
`\DeclareOption` . 4035, 4036, 4037,  
 4038, 4040, 4042, 4044, 4045,  
 4046, 4047, 4048, 5237, 5244  
`\DeclareOptionX` 3851, 3857, 3861,  
 3865, 3869, 3873, 3877  
`\DeclareRobustCommand` 2175, 2622,  
 2647, 2695, 2767, 2770, 2773,  
 2776, 2779, 2782, 2801, 2825,  
 2849, 2873, 2897, 2921, 2991  
`\DeclareSymbolFont` . 4937, 5012,  
 5013, 5014, 5015, 5044, 5058  
`\DeclareSymbolFontAlphabet` 4944  
`\DeclareSymbolFontAlphabet@` . .  
 . . . . . 4944  
`\DeclareTextFontCommand` . 2785,  
 2786, 2787, 2788, 2789, 2790  
`\def` . . . . . 2, 3, 5, 6, 7, 10, 12,  
 15, 17, 20, 63, 64, 77, 92, 136,  
 148, 161, 168, 172, 1189, 1190,  
 1191, 1192, 1193, 1194, 1195,



1196, 1197, 1300, 1338, 1340,  
 1342, 1344, 1355, 1356, 1357,  
 1358, 1359, 1360, 1361, 1362,  
 1363, 1364, 1365, 1366, 1367,  
 1368, 1369, 1370, 1373, 1384,  
 1389, 1402, 1404, 1418, 1421,  
 1423, 1424, 1429, 1464, 1465,  
 1591, 1592, 1593, 1594, 1595,  
 1596, 1597, 1598, 1599, 1629,  
 1631, 1632, 1634, 1715, 1737,  
 1743, 1749, 1756, 1772, 1806,  
 1840, 1853, 1854, 1857, 1874,  
 1882, 1890, 1891, 1895, 1937,  
 1938, 1941, 1948, 1951, 1964,  
 1965, 1974, 1977, 1989, 1990,  
 2000, 2003, 2016, 2031, 2061,  
 2093, 2097, 2122, 2184, 2198,  
 2202, 2204, 2205, 2208, 2214,  
 2216, 2218, 2234, 2237, 2253,  
 2254, 2257, 2270, 2272, 2275,  
 2292, 2529, 2530, 2582, 2583,  
 2584, 2590, 2591, 2595, 2937,  
 2940, 2945, 2959, 2975, 2976,  
 2977, 2978, 2982, 2983, 2984,  
 2993, 2996, 3098, 3199, 3215,  
 3230, 3245, 3260, 3273, 3282,  
 3291, 3341, 3342, 3343, 3344,  
 3345, 3346, 3347, 3348, 3349,  
 3350, 3351, 3352, 3353, 3354,  
 3355, 3356, 3357, 3358, 3359,  
 3360, 3368, 3370, 3373, 3382,  
 3387, 3396, 3422, 3435, 3446,  
 3460, 3466, 3469, 3472, 3476,  
 3488, 3497, 3523, 3536, 3547,  
 3565, 3570, 3577, 3587, 3606,  
 3608, 3609, 3613, 3617, 3621,  
 3627, 3631, 3685, 3841, 3846,  
 3858, 3862, 3870, 3874, 3878,  
 3904, 3908, 4110, 4380, 4381,  
 4382, 4876, 4878, 4902, 5016,  
 5045, 5059, 5071, 5072, 5097,  
 5098, 5099, 5100, 5104, 5108,  
 5112, 5116, 5120, 5124, 5145,  
 5147, 5149, 5167, 5169, 5173,  
 5180, 5216, 5217, 5220, 5221,  
 5222, 5223, 5232, 5235, 5242,  
 5243, 5249, 5250, 5253, 5437  
 \def@NAT@last@yr . . . . . 2132, 2134  
 \DefaultDisplayMathsDigits 3719,  
 5099, 5102  
 \defaultfontfeatures . . . . . 3852  
 \DefaultInlineMathsDigits 3711,  
 5098, 5101  
 \DefaultMathsDigits . . 3703, 5100  
 \define@choicekey . . 3699, 3707,  
 3715, 3723, 3730, 3738, 3745,  
 3752, 3758, 3770, 3776, 3782,  
 3786, 3792, 3796, 3802, 3815,  
 3827, 3839, 3881, 3888, 3895,  
 3902, 3917  
 \define@key . . . . . 2298  
 \define@mathalphabet . . . . . 4934  
 \define@mathgroup . . . . . 4934  
 \deflatinfont . . . . . 2737  
 \defpersianfont . . . . . 2713  
 \depth . . . . . 2306, 2307  
 \DigitsDotDashInterCharToks . .  
 . . . . . 2660  
 \dimexpr . . 2941, 2943, 2946, 2948,  
 3045, 3095, 3249, 3264, 3277,  
 3286, 3295, 3950, 3954, 3959,  
 3960, 3961  
 \ding . . . . . 5216, 5217  
 \display@setup . . . . . 137, 162  
 \divide 4349, 4350, 5304, 5312, 5317,  
 5344, 5350, 5358, 5360, 5363,  
 5367, 5371, 5375  
 \do 1656, 2009, 2098, 2299, 2995, 3687,  
 4947  
 \document@select@group . . 4902  
 \dorestore@version . . . . . 4936  
 \dosetclass . . . . . 1422, 1423, 1427  
 \doublebox . . . . . 4688, 4741  
 \dquad . . . . . 170, 172  
 \dseries@display@setup . . 162  
  
 E  
 \e@alloc@intercharclass@top . .  
 . . . . . 2655, 2656  
 \edef . 1724, 1779, 1813, 1877, 1885,  
 1902, 2011, 2100, 2260, 2537,  
 2560, 2589, 2592, 2997, 3093,



3096, 3106, 3123, 3140, 3151,	1929, 1930, 1931, 1943, 1953,
3157, 3163, 3169, 3175, 3181,	1978, 1991, 2023, 2028, 2037,
3187, 3202, 3218, 3233, 3248,	2040, 2054, 2058, 2067, 2071,
3263, 3276, 3285, 3294, 3690,	2074, 2086, 2090, 2091, 2112,
5182	2133, 2147, 2149, 2152, 2166,
\edition ..... 4407	2168, 2179, 2202, 2213, 2226,
\editionFormat ..... 4116, 4119	2228, 2231, 2246, 2248, 2254,
\editorialAuthorFormat .. 4259,	2262, 2270, 2297, 2300, 2301,
4823	2302, 2303, 2304, 2305, 2306,
\editorialTitleFormat 4257, 4258	2307, 2308, 2411, 2432, 2445,
\egroup ..... 2674	2475, 2502, 2518, 2519, 2520,
\else ..... 2, 3, 5, 7, 32, 63,	2521, 2522, 2523, 2524, 2525,
92, 140, 170, 1190, 1191, 1192,	2526, 2527, 2567, 2573, 2579,
1193, 1194, 1195, 1196, 1197,	2606, 2673, 2674, 3005, 3020,
1198, 1199, 1200, 1289, 1330,	3031, 3058, 3059, 3060, 3062,
1341, 1343, 1345, 1355, 1356,	3065, 3066, 3068, 3072, 3073,
1357, 1358, 1359, 1360, 1361,	3074, 3076, 3079, 3080, 3082,
1362, 1363, 1364, 1365, 1366,	3341, 3342, 3343, 3344, 3345,
1367, 1368, 1369, 1370, 1426,	3346, 3347, 3348, 3349, 3350,
1443, 1448, 1451, 1453, 1464,	3351, 3352, 3353, 3354, 3355,
1465, 1475, 1478, 1481, 1484,	3356, 3357, 3358, 3359, 3367,
1487, 1490, 1493, 1591, 1592,	3372, 3390, 3392, 3400, 3401,
1593, 1594, 1595, 1596, 1597,	3402, 3403, 3404, 3405, 3406,
1598, 1599, 1637, 1645, 1650,	3407, 3425, 3440, 3454, 3467,
1660, 1666, 1719, 1722, 1727,	3470, 3491, 3493, 3501, 3502,
1728, 1729, 1730, 1731, 1741,	3503, 3504, 3505, 3506, 3507,
1756, 1757, 1758, 1759, 1760,	3508, 3526, 3541, 3554, 3555,
1761, 1762, 1763, 1764, 1765,	3558, 3589, 3591, 3593, 3595,
1766, 1767, 1773, 1774, 1775,	3597, 3694, 3811, 3823, 3835,
1777, 1778, 1781, 1782, 1783,	3995, 4326, 4804, 4879, 4892,
1784, 1785, 1786, 1788, 1789,	4898, 4903, 4918, 4924, 5065,
1790, 1791, 1792, 1795, 1796,	5073, 5074, 5075, 5076, 5077,
1797, 1798, 1799, 1800, 1807,	5078, 5079, 5080, 5081, 5082,
1808, 1809, 1811, 1812, 1815,	5083, 5097, 5105, 5106, 5107,
1816, 1817, 1818, 1819, 1820,	5109, 5110, 5111, 5117, 5118,
1822, 1823, 1824, 1825, 1826,	5119, 5121, 5122, 5123, 5310,
1827, 1828, 1831, 1832, 1833,	5314, 5319, 5320, 5327, 5348,
1834, 1835, 1836, 1856, 1857,	5353, 5383, 5419, 5427
1858, 1859, 1860, 1861, 1862,	\empty ..... 1425
1863, 1864, 1866, 1867, 1868,	\enclname ..... 3356
1869, 1870, 1871, 1896, 1897,	\encodingdefault 2630, 2703, 2809,
1898, 1900, 1901, 1904, 1905,	2833, 2857, 2881, 2905, 2929
1906, 1907, 1908, 1909, 1910,	\end .. 1422, 1423, 1428, 1429, 2188,
1911, 1912, 1913, 1914, 1915,	2189, 2260, 2271, 2979, 2980,
1916, 1917, 1919, 1920, 1921,	3338, 4124, 4129, 4186, 4200,
1922, 1923, 1926, 1927, 1928,	4210, 4219, 4242, 4281, 4284,



4287, 4304, 4359, 4365, 4442, 4448, 4452, 4478, 4484, 4518, 4538, 4553, 4559, 4595, 4596, 4597, 4620, 4621, 4622, 4646, 4647, 4648, 4673, 4674, 4677, 4707, 4711, 4722, 4723, 4760, 4764, 4793, 4824, 4825, 4839, 4851, 4864, 5155, 5158, 5160, 5163, 5209, 5210, 5214, 5268	
<code>\end@correction</code> . . . . .	5248
<code>\endcomment</code> . . . . .	5241
<code>\endcorrection</code> . . . . .	5241, 5248
<code>\endcsname</code> 1501, 1694, 1734, 1939, 1942, 1949, 1952, 1969, 2276, 2293, 2294, 2295, 2296, 2297, 2407, 2441, 2471, 2586, 2589, 2595, 2597, 3003, 3200, 3216, 3231, 3246, 3261, 3274, 3283, 3292, 3368, 3373, 3376, 3482, 3606, 3966, 3968, 3972, 3974, 3978, 3980, 4882, 4885, 4890, 4891, 4906, 4909, 4913, 4915, 4917, 4952, 4954, 5404, 5413, 5424	
<code>\endgroup</code> . 1308, 2197, 2275, 2585, 2593, 3201, 3217, 3232, 3247, 3262, 3275, 3284, 3293, 4887, 4911, 5073, 5074, 5075, 5076, 5077, 5078, 5079, 5080, 5081, 5082, 5083, 5084	
<code>\endL</code> . . . . .	4156, 4557
<code>\endlatin</code> . . . . .	2976
<code>\endLTR</code> . . . . .	2976
<code>\endMakeFramed</code> . . . . .	1349
<code>\endmath</code> . . . . .	167
<code>\endpersian</code> . . . . .	2978
<code>\endquestion</code> . . . . .	5261
<code>\endR</code> . 4160, 4161, 4162, 4173, 4174, 4175, 4380, 4381, 4382, 4400, 4421, 4422, 4423, 4424, 4425, 4426, 4577, 4672	
<code>\endRTL</code> . . . . .	2978
<code>\ends@math</code> . . . . .	167
<code>\endtrivlist</code> . . . . .	1965, 2275
<code>\end</code> . . . 1965, 1969, 2275, 2276	
<code>\ensuremath</code> . . . . .	2563
<code>\eq@addpunct</code> . . . . .	172
<code>\eq@group</code> . . . . .	140, 149
<code>\eq@GRP@first@dmath</code> . . . . .	149
<code>\eq@prelim</code> . . . . .	140, 157
<code>\eq@setnumber</code> . . . . .	143
<code>\eq@setup@a</code> . . . . .	145
<code>\eq@startup</code> . . . . .	146
<code>\eq@wdCond</code> . . . . .	164
<code>\eqcommand</code> . . . . .	176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398,



399, 400, 401, 402, 403, 404,  
405, 406, 407, 408, 409, 410,  
411, 412, 413, 414, 415, 416,  
417, 418, 419, 420, 421, 422,  
423, 424, 425, 426, 427, 428,  
429, 430, 431, 432, 433, 434,  
435, 436, 437, 438, 439, 440,  
441, 442, 443, 444, 445, 446,  
447, 448, 449, 450, 451, 452,  
453, 454, 455, 456, 457, 458,  
459, 460, 461, 462, 463, 464,  
465, 466, 467, 468, 469, 470,  
471, 472, 473, 474, 475, 476,  
477, 478, 479, 480, 481, 483,  
484, 485, 486, 487, 488, 489,  
490, 491, 492, 493, 494, 495,  
496, 497, 498, 499, 500, 501,  
502, 503, 504, 505, 506, 507,  
508, 509, 510, 511, 512, 513,  
514, 515, 516, 517, 518, 519,  
520, 521, 522, 523, 524, 525,  
526, 527, 528, 529, 530, 531,  
532, 533, 534, 535, 536, 537,  
538, 539, 540, 541, 542, 543,  
544, 545, 546, 547, 548, 549,  
550, 551, 552, 553, 554, 555,  
556, 557, 558, 559, 560, 561,  
562, 563, 564, 565, 566, 567,  
568, 569, 570, 571, 572, 573,  
574, 575, 576, 577, 578, 579,  
580, 581, 582, 583, 584, 585,  
586, 587, 588, 589, 590, 591,  
592, 593, 594, 595, 596, 597,  
598, 599, 600, 601, 602, 603,  
604, 605, 606, 607, 608, 609,  
610, 611, 612, 613, 614, 615,  
616, 617, 618, 619, 620, 621,  
622, 623, 624, 625, 626, 627,  
628, 629, 630, 631, 632, 633,  
634, 635, 636, 637, 638, 639,  
640, 641, 642, 643, 644, 645,  
646, 647, 648, 649, 650, 651,  
652, 653, 654, 655, 656, 657,  
658, 659, 660, 661, 662, 663,  
664, 665, 666, 667, 668, 669,  
670, 671, 672, 673, 674, 675,

676, 677, 678, 679, 680, 681,  
682, 683, 684, 685, 686, 687,  
688, 689, 690, 691, 692, 693,  
694, 695, 696, 697, 698, 699,  
700, 701, 702, 703, 704, 705,  
706, 707, 708, 709, 710, 711,  
712, 713, 714, 715, 716, 717,  
718, 719, 720, 721, 722, 723,  
724, 725, 726, 727, 728, 729,  
730, 731, 732, 733, 734, 735,  
736, 737, 738, 739, 740, 741,  
742, 743, 744, 745, 746, 747,  
748, 749, 750, 751, 752, 753,  
754, 755, 756, 757, 758, 759,  
760, 761, 762, 763, 764, 765,  
766, 767, 768, 769, 770, 771,  
772, 773, 774, 775, 776, 777,  
778, 779, 780, 781, 782, 783,  
784, 785, 786, 788, 789, 790,  
791, 792, 793, 794, 795, 796,  
797, 798, 799, 800, 801, 802,  
803, 804, 805, 806, 807, 808,  
809, 810, 811, 812, 813, 814,  
815, 816, 817, 818, 819, 820,  
821, 822, 823, 824, 825, 826,  
827, 828, 829, 830, 831, 832,  
833, 834, 835, 836, 837, 838,  
839, 840, 841, 842, 843, 844,  
845, 846, 847, 848, 849, 850,  
851, 852, 853, 854, 855, 856,  
857, 858, 859, 860, 861, 862,  
863, 864, 865, 866, 867, 868,  
869, 870, 871, 872, 873, 874,  
875, 876, 877, 878, 879, 880,  
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,	1225, 1226, 1227, 1228, 1229,
959, 960, 961, 962, 963, 964,	1230, 1231, 1232, 1233, 1234,
965, 966, 967, 968, 969, 970,	1235, 1236, 1237, 1238, 1239,
971, 972, 973, 974, 975, 976,	1240, 1241, 1242, 1243, 1244,
977, 978, 979, 980, 981, 982,	1245, 1246, 1247, 1248, 1249,
983, 984, 985, 986, 987, 988,	1250, 1251, 1252, 1253, 1254,
989, 990, 991, 992, 993, 994,	1255, 1256, 1257, 1258, 1260,
995, 996, 997, 998, 999, 1000,	1261, 1262, 1263, 1264, 1265,
1001, 1002, 1003, 1004, 1005,	1266, 1267, 1268, 1269, 1501
1006, 1007, 1008, 1009, 1010,	<code>\eqstyle</code> . . . . . 142
1011, 1012, 1013, 1014, 1015,	<code>\equal</code> 4355, 4510, 4682, 4687, 4692,
1016, 1017, 1018, 1019, 1020,	4697, 4702, 4735, 4740, 4745,
1021, 1022, 1023, 1024, 1025,	4750, 4755
1026, 1027, 1028, 1029, 1030,	<code>\equationautorefname</code> . . . . . 1355
1031, 1032, 1033, 1034, 1035,	<code>\escapechar</code> . . . . . 2588, 4884, 4908
1036, 1037, 1038, 1039, 1040,	<code>\everydisplay</code> . . . 137, 5132, 5133
1041, 1042, 1043, 1044, 1045,	<code>\everyjob</code> . . . . . 2560, 2561
1046, 1047, 1048, 1049, 1050,	<code>\everymath</code> . . . . . 5129
1051, 1052, 1053, 1054, 1055,	<code>\everypar</code> . . . . . 2989
1056, 1057, 1058, 1059, 1060,	<code>\ExecuteOptions</code> . . . . . 5251
1061, 1062, 1063, 1064, 1065,	<code>\ExecuteOptionsX</code> . . . . . 3927
1066, 1067, 1068, 1069, 1070,	<code>\exp</code> . . 2622, 2624, 2625, 2626, 2647,
1071, 1072, 1073, 1074, 1075,	2649, 2650, 2651, 2695, 2697,
1076, 1077, 1078, 1079, 1080,	2698, 2699, 2728, 2730, 2731,
1081, 1082, 1083, 1084, 1085,	2732, 2752, 2754, 2755, 2756,
1086, 1087, 1088, 1089, 1090,	2801, 2803, 2804, 2805, 2825,
1091, 1092, 1093, 1094, 1095,	2827, 2828, 2829, 2849, 2851,
1096, 1097, 1098, 1099, 1100,	2852, 2853, 2873, 2875, 2876,
1101, 1102, 1103, 1104, 1105,	2877, 2897, 2899, 2900, 2901,
1106, 1107, 1108, 1109, 1110,	2921, 2923, 2924, 2925
1111, 1112, 1113, 1114, 1115,	<code>\expandafter</code> 137, 1422, 1428, 1654,
1116, 1117, 1118, 1129, 1130,	1655, 1779, 1813, 1902, 1939,
1131, 1132, 1133, 1134, 1135,	1942, 1949, 1952, 1969, 2011,
1136, 1137, 1138, 1139, 1140,	2100, 2216, 2221, 2222, 2227,
1141, 1142, 1143, 1144, 1145,	2232, 2233, 2239, 2240, 2241,
1146, 1147, 1148, 1149, 1150,	2242, 2249, 2250, 2251, 2252,
1151, 1152, 1153, 1154, 1155,	2254, 2263, 2264, 2265, 2266,
1156, 1157, 1158, 1159, 1160,	2276, 2293, 2294, 2295, 2296,
1161, 1162, 1163, 1164, 1165,	2566, 2568, 2572, 2574, 2578,
1166, 1167, 1168, 1169, 1170,	2580, 2585, 2586, 2589, 2592,
1171, 1172, 1173, 1174, 1175,	2593, 2595, 2596, 2997, 3099,
1176, 1177, 1178, 1179, 1180,	3368, 3373, 3376, 3391, 3397,
1181, 1182, 1183, 1184, 1185,	3482, 3492, 3498, 3592, 3594,
1186, 1187, 1500	3596, 3598, 3606, 4879, 4898,
<code>\qenvironment</code> . 1217, 1218, 1219,	4903, 4912, 4913, 4914, 4924,
1220, 1221, 1222, 1223, 1224,	5129, 5132, 5183



<code>\expandedtitle</code> . . . . .	4676	1817, 1818, 1819, 1820, 1837,
<code>\ExplSyntaxOff</code> . . . . .	1968, 2290, 2936,	1838, 1852, 1861, 1862, 1863,
	4949, 5064	1864, 1871, 1872, 1876, 1881,
<code>\ExplSyntaxOn</code> . . . . .	1966, 2278, 2611,	1884, 1889, 1892, 1906, 1907,
	4928, 4955	1908, 1909, 1932, 1933, 1943,
<code>\extract@alph@from@version</code>	4912	1953, 1965, 1983, 2001, 2022,
		2024, 2035, 2039, 2048, 2049,
		2053, 2065, 2070, 2074, 2078,
		2079, 2083, 2088, 2089, 2090,
		2091, 2111, 2113, 2135, 2143,
		2151, 2152, 2161, 2162, 2168,
		2171, 2181, 2202, 2217, 2235,
		2255, 2268, 2271, 2297, 2309,
		2412, 2413, 2414, 2415, 2416,
		2417, 2418, 2419, 2420, 2421,
		2422, 2423, 2424, 2425, 2426,
		2427, 2432, 2446, 2447, 2448,
		2449, 2450, 2451, 2452, 2453,
		2454, 2455, 2456, 2457, 2458,
		2459, 2460, 2461, 2476, 2477,
		2478, 2479, 2480, 2481, 2482,
		2483, 2484, 2485, 2486, 2487,
		2488, 2489, 2490, 2491, 2504,
		2518, 2519, 2520, 2521, 2522,
		2523, 2524, 2525, 2526, 2527,
		2569, 2575, 2581, 2599, 2600,
		2608, 2673, 2674, 2998, 3005,
		3019, 3024, 3025, 3026, 3030,
		3035, 3036, 3037, 3038, 3047,
		3058, 3059, 3060, 3064, 3066,
		3070, 3071, 3073, 3074, 3078,
		3080, 3084, 3085, 3086, 3206,
		3222, 3237, 3253, 3269, 3278,
		3287, 3296, 3341, 3342, 3343,
		3344, 3345, 3346, 3347, 3348,
		3349, 3350, 3351, 3352, 3353,
		3354, 3355, 3356, 3357, 3358,
		3359, 3367, 3372, 3394, 3408,
		3420, 3425, 3426, 3429, 3431,
		3432, 3444, 3448, 3450, 3451,
		3453, 3456, 3458, 3464, 3467,
		3470, 3474, 3479, 3495, 3509,
		3521, 3526, 3527, 3530, 3532,
		3533, 3545, 3549, 3551, 3552,
		3554, 3560, 3561, 3563, 3568,
		3575, 3581, 3599, 3600, 3601,
<b>F</b>		
<code>\f@baselineskip</code> . . . . .	2954, 2968, 3192,	
	3299, 3986, 3988	
<code>\f@family</code> . . . . .	2673, 2674	
<code>\f@size</code> . . . . .	2954, 2968	
<code>\f@ur</code> . . . . .	1419, 3011, 3027, 3028, 3029,	
	3032, 3033, 3034	
<code>\false</code> . . . . .	5228	
<code>\falsesymbol</code> . . . . .	5219	
<code>\familydefault</code> . . . . .	2629, 2702, 2808,	
	2832, 2856, 2880, 2904, 2928	
<code>\fancyfoot</code> . . . . .	4420, 4424, 4425, 4426	
<code>\fancyhead</code> . . . . .	4419, 4421, 4422, 4423	
<code>\FancyVerbLineautorefname</code>	1368	
<code>\fbox</code> . . . . .	4304, 4319, 4534, 5205, 5265	
<code>\fboxrule</code> . . . . .	1338, 1340, 1342, 1344,	
	4376	
<code>\fboxsep</code> . . . . .	1338, 1340, 1342, 1344,	
	4307, 4500, 4532, 4604, 4632,	
	4680, 4729	
<code>\fi</code> . . . . .	2, 3, 5, 7, 35,	
	63, 68, 92, 136, 138, 139, 140,	
	148, 159, 161, 170, 1203, 1289,	
	1330, 1341, 1343, 1345, 1355,	
	1356, 1357, 1358, 1359, 1360,	
	1361, 1362, 1363, 1364, 1365,	
	1366, 1367, 1368, 1369, 1370,	
	1419, 1427, 1443, 1448, 1451,	
	1453, 1464, 1465, 1477, 1480,	
	1483, 1486, 1489, 1492, 1495,	
	1591, 1592, 1593, 1594, 1595,	
	1596, 1597, 1598, 1599, 1640,	
	1641, 1647, 1662, 1663, 1668,	
	1669, 1672, 1675, 1678, 1681,	
	1684, 1687, 1691, 1692, 1700,	
	1718, 1719, 1725, 1732, 1735,	
	1740, 1741, 1760, 1761, 1762,	
	1763, 1767, 1768, 1769, 1783,	
	1784, 1785, 1786, 1801, 1802,	



3602, 3603, 3604, 3611, 3612,  
 3615, 3616, 3619, 3620, 3622,  
 3623, 3635, 3694, 3706, 3714,  
 3722, 3728, 3735, 3743, 3750,  
 3757, 3769, 3775, 3781, 3785,  
 3791, 3795, 3801, 3813, 3814,  
 3825, 3826, 3837, 3838, 3850,  
 3886, 3893, 3900, 3914, 3925,  
 3947, 3997, 3998, 4000, 4329,  
 4330, 4535, 4552, 4716, 4790,  
 4809, 4836, 4861, 4879, 4897,  
 4898, 4903, 4923, 4924, 5067,  
 5085, 5086, 5087, 5088, 5089,  
 5090, 5091, 5092, 5093, 5094,  
 5095, 5097, 5105, 5106, 5107,  
 5109, 5110, 5111, 5117, 5118,  
 5119, 5121, 5122, 5123, 5319,  
 5321, 5322, 5323, 5329, 5353,  
 5354, 5374, 5385, 5406, 5415,  
 5422, 5429, 5444  
 \figureautorefname ..... 1358  
 \figurename ..... 3341  
 \finishsetclass ..... 1425, 1429  
 \firstarticle .. 4431, 4455, 4456,  
 4458  
 \FirstFrameCommand ..... 1340  
 \firstimage . 4528, 4541, 4542, 4544  
 \firstmark ..... 1327  
 \firstTextFormat .... 4189, 4191  
 \firstTitleFormat 4177, 4183, 4184  
 \float@box ..... 1940, 1950  
 \float@endH ..... 1939, 1949  
 \floatsep ..... 3303, 3307, 3308  
 \flushright ..... 4177, 4196, 4215  
 \font ..... 3015  
 \font@name 3966, 3968, 3972, 3974,  
 3978, 3980  
 \fontencoding .. 2624, 2650, 2697,  
 2731, 2755, 2803, 2827, 2851,  
 2875, 2899, 2923  
 \fontfamily 2625, 2649, 2698, 2730,  
 2754, 2769, 2772, 2775, 2778,  
 2781, 2784, 2804, 2828, 2852,  
 2876, 2900, 2924  
 \fontsize ..... 2954, 2968  
 \fontspec . 1967, 2285, 2620, 2644,  
 2694, 2725, 2749, 2799, 2823,  
 2847, 2871, 2895, 2919, 5009,  
 5042, 5056  
 \foot ..... 4172  
 \footdir@debugfalse ..... 3780  
 \footdir@debugtrue ..... 3778  
 \footins ..... 3301  
 \footnote ..... 4269  
 \footnoteautorefname ..... 1356  
 \footnoterule ..... 4268  
 \footnotesep .... 3300, 3994, 3996  
 \footnotesize 84, 86, 88, 1289, 1290,  
 1291, 1330, 1332, 1334, 3140,  
 3141, 4097, 4098, 4132, 4165,  
 4230, 4254, 4255, 4267  
 \foottextfont ..... 1289  
 \FrameCommand ..... 1338  
 \FrameRestore ..... 1346  
 \frenchspacing ..... 1964, 2272  
 \frontmatter 15, 95, 106, 124, 1277,  
 2431  
 \futurelet ..... 2207, 5070  
  
**G**  
 \g 2624, 2630, 2650, 2697, 2703, 2731,  
 2755, 2803, 2809, 2827, 2833,  
 2851, 2857, 2875, 2881, 2899,  
 2905, 2923, 2929, 4929, 5009,  
 5012, 5013, 5014, 5015, 5042,  
 5044, 5056, 5058  
 \g@addto@macro ..... 5180  
 \G@refundefinedtrue ..... 3000  
 \gdef 43, 49, 55, 61, 102, 103, 113, 114,  
 120, 121, 132, 133, 1275, 1285,  
 1286, 1297, 1298, 1375, 1376,  
 1391, 1393, 1586, 1587, 2376,  
 2377, 2383, 2384, 2390, 2391,  
 2398, 2399, 2406, 2439, 2440,  
 2469, 2470, 4110, 4380, 4381,  
 4382, 5070, 5146, 5148, 5166,  
 5168, 5170, 5176, 5177, 5193,  
 5218, 5219, 5233, 5252, 5254,  
 5259, 5270  
 \get@cdp ..... 4938  
 \getanddefine@fonts . 3965, 3971,  
 3977, 4885, 4909



`\Gin@boolkey` . . . . . 2292  
`\glb@currsiz` . . . . . 5008  
`\global` 73, 74, 139, 149, 150, 151, 152,  
153, 154, 155, 156, 164, 1304,  
1305, 1324, 1697, 1701, 2021,  
2110, 4289, 4290, 4291, 4292,  
4293, 4294, 4295, 4296, 4297,  
4298, 4891, 4917  
`\globaldefs` . . . . . 4886, 4910  
`\glossary` . . . . . 1314  
`\glsaddprotectedpagefmt` . 1351,  
1352, 1353  
`\goodbreak` . . . . . 4867  
`\grid` . . . . . 4071, 4075, 4337  
`\Grot@x` . . . . 2300, 2301, 2302, 2303  
`\Grot@y` 2304, 2305, 2306, 2307, 2308,  
2309  
`\group` . . . . . 2285  
`\group@elt` . . . . . 4937  
`\group@list` . . . . . 4937  
`\grp@aligned` . . . . . 155  
`\GRP@box` . . . . . 150  
`\grp@eqs@numbered` . . . . . 154  
`\grp@hasNumber` . . . . . 159  
`\GRP@label` . . . . . 151  
`\grp@linewidth` . . . . . 153  
`\GRP@queue` . . . . . 150  
`\grp@setnumber` . . . . . 159  
`\grp@shiftnumber` . . . . . 156  
`\grp@wdL` . . . . . 152  
`\grp@wdNum` . . . . . 153  
`\grp@wdR` . . . . . 152  
`\grp@wdT` . . . . . 152

## H

`\harfi` 1190, 1208, 1213, 1580, 2412,  
2446, 2476, 3373  
`\harfinumeral` . . . . . 3374  
`\hbox` . . . . . 1848, 2999, 3339, 3340  
`\headDateTimeFormat` . . 4136, 4138  
`\headerfont` . . . . . 5146  
`\headheight` . . . . . 1320, 4370  
`\heading` . . . . . 4159  
`\headrulewidth` . . . . . 4371, 4427  
`\headsep` . . . . . 1321  
`\headtoname` . . . . . 3358

`\height` . . . . . 2304, 2305  
`\hfil` . 1844, 1845, 1846, 1847, 1879,  
1880, 1881, 1887, 1888, 1889  
`\hline` 4820, 5187, 5188, 5191, 5192,  
5212, 5213  
`\hrule` 1419, 4703, 4709, 4756, 4762,  
4807, 4847  
`\hrulefill` . . . . . 4385, 4390, 4404  
`\hsize` 1346, 1705, 1721, 1746, 1747,  
1945, 1955  
`\hskip` . . . . . 1419, 1846, 1847, 1889  
`\hspace` 4138, 4156, 4385, 4391, 4403,  
4405, 4583  
`\hss` . . . . . 1733, 3319  
`\Huge` . . 3187, 3188, 4108, 4177, 4233  
`\huge` . . . . . 3181, 3182, 4107  
`\Hy@AlphNoErr` . . . . . 1391, 1393  
`\Hy@appendixstring` . . 1377, 1395  
`\Hy@backout` . . . . . 69, 77  
`\Hy@chapapp` . . . . . 1377, 1395  
`\HyOrg@appendix` . . . . 1372, 1378  
`\HyOrg@resets@pp` . . . . 1388, 1396  
`\hyper@natlinkbreak` . . 2043, 2074  
`\hyper@natlinkstart` . . . . . 77

## I

`\if` . 140, 159, 1658, 1664, 1670, 1673,  
1676, 1679, 1682, 1685, 1688,  
1719, 1726, 1727, 1728, 1729,  
1741, 1758, 1759, 1760, 1761,  
1762, 1763, 1764, 1765, 1766,  
1767, 1781, 1782, 1783, 1784,  
1785, 1786, 1788, 1789, 1790,  
1791, 1792, 1795, 1796, 1797,  
1798, 1799, 1800, 1815, 1816,  
1817, 1818, 1819, 1820, 1822,  
1823, 1824, 1825, 1826, 1827,  
1828, 1831, 1832, 1833, 1834,  
1835, 1836, 1859, 1860, 1861,  
1862, 1863, 1864, 1866, 1867,  
1868, 1869, 1870, 1871, 1904,  
1905, 1906, 1907, 1908, 1909,  
1910, 1911, 1912, 1913, 1914,  
1915, 1916, 1917, 1919, 1920,  
1921, 1922, 1923, 1926, 1927,  
1928, 1929, 1930, 1931, 2026,



2056, 2074, 2084, 2090, 2091,	\if@RTL@footnote . . . . 1289, 1330
2152, 2168, 2200, 2220, 2226,	\if@RTLmain . . . . . 3005
2228, 2238, 2246, 2248, 2270,	\if@RTLtab 1760, 1761, 1762, 1763,
2300, 2301, 2302, 2303, 2304,	1783, 1784, 1785, 1786, 1817,
2305, 2306, 2307, 2308, 2309	1818, 1819, 1820, 1861, 1862,
\if@textdigitfont@on 2673, 2674,	1863, 1864, 1906, 1907, 1908,
3050	1909
\if@bidi@algorithmicloaded@ . .	\if@tempswa 2143, 3206, 3222, 3237,
. . . . . 1475	3253, 3269, 3278, 3287, 3296
\if@bidi@algorithmloaded@ 1478	\if@twoside . . . . . 2432
\if@bidi@backrefloaded@ . . 1481	\if@xepersian@@computeautoilg
\if@bidi@csprimitive . . . . 1500	. . . . . 3007, 3984
\if@bidi@csundef 2661, 3333, 3586,	\ifadl@usingarypkg . . . . . 1805
3637	\ifBR@verbose . . . . . 66
\if@bidi@enumerateloaded@ 1484	\ifcase 1843, 1874, 1878, 1882, 1886,
\if@bidi@enumitemloaded@ . 1487	2025, 2055, 2148, 3361, 3370,
\if@bidi@tocloftloaded@ . . 1490	3398, 3461, 3467, 3470, 3473,
\if@bidi@urlloaded@ . . . . . 1493	3477, 3499, 3566, 3571, 3578,
\if@chapter@pp . . . . . 28	3610, 3614, 3618, 3622, 3689,
\if@extrafootnotefeatures 3944	3700, 3708, 3716, 3724, 3731,
\if@filesw . . . . . 2998	3739, 3746, 3753, 3759, 3771,
\if@hboxRconstruct . . 1718, 1740	3777, 3783, 3787, 3793, 3797,
\if@inlabel . . . . . 139	3803, 3816, 3828, 3840, 3882,
\if@Kashida@on . . . . . 1416, 1418	3889, 3896, 3903, 3918, 5437
\if@Kashida@XB@fix . 1417, 1443,	\ifdim . 169, 2565, 2571, 2577, 3016,
1448, 1451, 1453	3017, 3021, 3022, 3027, 3028,
\if@LTRbibitems . . . . . 3633	3032, 3033, 3042, 3058, 3059,
\if@newlist . . . . . 1304, 1324, 1965	3060, 3066, 3073, 3074, 3080,
\if@nonlatin 2673, 2674, 5117, 5118,	3990, 3994, 4317, 4802
5119, 5121, 5122, 5123	\iffontchar . . . . . 3015
\if@noskipsec . . . . . 138	\ifhmode . . . . . 1642
\if@pboxsw . . . . . 1735	\ifinner . . . . . 1648
\if@RTL . . . . . 2, 3, 5,	\ifmmode . . . . . 1730, 4881, 4905
7, 63, 92, 136, 148, 161, 1341,	\ifNAT@full . . . . . 2023, 2112
1343, 1345, 1355, 1356, 1357,	\ifNAT@longnames . . . . 2019, 2108
1358, 1359, 1360, 1361, 1362,	\ifNAT@numbers . . . . . 1972, 2179
1363, 1364, 1365, 1366, 1367,	\ifNAT@super . . . . . 1973
1368, 1369, 1370, 1464, 1465,	\ifNAT@swa . 2025, 2090, 2114, 2166
1591, 1592, 1593, 1594, 1595,	\ifnum . 170, 1689, 1756, 1757, 1773,
1596, 1597, 1598, 1599, 1719,	1774, 1775, 1776, 1778, 1807,
1741, 2518, 2519, 2520, 2521,	1808, 1809, 1810, 1812, 1857,
2522, 2523, 2524, 2525, 2526,	1858, 1896, 1897, 1898, 1899,
2527, 3341, 3342, 3343, 3344,	1901, 2500, 2604, 3040, 3388,
3345, 3346, 3347, 3348, 3349,	3390, 3399, 3400, 3401, 3402,
3350, 3351, 3352, 3353, 3354,	3403, 3404, 3405, 3406, 3423,
3355, 3356, 3357, 3358, 3359	3425, 3427, 3429, 3431, 3436,



3447, 3448, 3450, 3452, 3453,  
 3456, 3489, 3491, 3500, 3501,  
 3502, 3503, 3504, 3505, 3506,  
 3507, 3524, 3526, 3528, 3530,  
 3532, 3537, 3548, 3549, 3551,  
 3553, 3554, 3556, 3561, 3588,  
 3590, 3592, 3594, 3596, 3598,  
 3612, 3616, 3620, 3623, 4714,  
 4788, 4834, 4859, 4882, 4906,  
 5315, 5319, 5347, 5353, 5374,  
 5401, 5405, 5410, 5414, 5416,  
 5425  
 \ifodd . . . . . 1659, 1665, 5308, 5313  
 \ifthenelse 4057, 4069, 4078, 4182,  
 4197, 4216, 4237, 4355, 4433,  
 4434, 4464, 4496, 4510, 4530,  
 4548, 4572, 4602, 4626, 4653,  
 4682, 4687, 4692, 4697, 4702,  
 4735, 4740, 4745, 4750, 4755,  
 5194  
 \ifwritexviii . . 2603, 3805, 3817,  
 3829  
 \ifx . . 1190, 1191, 1192, 1193, 1194,  
 1195, 1196, 1197, 1198, 1199,  
 1200, 1425, 1635, 1638, 1722,  
 1942, 1952, 2029, 2030, 2032,  
 2059, 2060, 2062, 2131, 2149,  
 2209, 2258, 2297, 2410, 2412,  
 2413, 2414, 2415, 2416, 2417,  
 2418, 2419, 2420, 2421, 2422,  
 2423, 2424, 2425, 2426, 2444,  
 2446, 2447, 2448, 2449, 2450,  
 2451, 2452, 2453, 2454, 2455,  
 2456, 2457, 2458, 2459, 2460,  
 2474, 2476, 2477, 2478, 2479,  
 2480, 2481, 2482, 2483, 2484,  
 2485, 2486, 2487, 2488, 2489,  
 2490, 2586, 2594, 2673, 2674,  
 4879, 4903, 5065, 5073, 5074,  
 5075, 5076, 5077, 5078, 5079,  
 5080, 5081, 5082, 5083, 5097,  
 5105, 5106, 5107, 5109, 5110,  
 5111, 5117, 5118, 5119, 5121,  
 5122, 5123  
 \ifXePersian@kabiseh . 5276, 5381  
 \ifXePersian@leap . . . 5276, 5325  
 \IfxepersianPackageVersion 2576  
 \IfxepersianPackageVersionBefore  
 . . . . . 2570  
 \IfxepersianPackageVersionLater  
 . . . . . 2564  
 \ifxetex . . . . . 4310, 4533, 4550  
 \ignorespaces 173, 1947, 1957, 2616,  
 2640, 2683, 2690, 2795, 2819,  
 2843, 2867, 2891, 2915, 4128,  
 4181, 4191, 4196, 4204, 4209,  
 4215, 4223, 4483, 4509, 4658  
 \image . . . . . 4305  
 \immediate 2998, 3808, 3809, 3820,  
 3821, 3832, 3833  
 \includegraphics 4320, 4534, 4551  
 \index . . . . . 1313  
 \indexEntryFormat . . 4126, 4128  
 \indexEntryPageFormat 4132, 4134  
 \indexEntryPageTxt . . 4131, 4134  
 \indexEntrySeparator . 4130, 4658  
 \indexFormat . . . . . 4122, 4124  
 \indexitem . 4651, 4661, 4662, 4664  
 \indexname . . . . . 3347  
 \init@restore@version 4888, 4936  
 \innerAuthorFormat . . 4254, 4771  
 \innerPlaceFormat . . . 4255, 4771  
 \innerSubtitleFormat . 4244, 4245  
 \innerTextFinalMark . . 4256, 4792  
 \innerTitleFormat 4233, 4238, 4239  
 \input 1511, 1512, 1513, 1514, 1515,  
 1516, 1517, 3641, 3642, 3643,  
 3644, 3645, 3646, 3647, 3648,  
 3649, 3650, 3651, 3652, 3653,  
 3654, 3655, 3656, 3657, 3658,  
 3659, 3660, 3661, 3662, 3663,  
 3664, 3665, 3666, 3667, 3668,  
 3669, 3670, 3671, 3672, 3673,  
 3674, 3675, 3676, 3677, 3678,  
 3679, 3680, 3681, 3682, 3683,  
 3784, 3794, 3945, 3946  
 \insert@column . 1845, 1846, 1847,  
 1848, 1850, 1851  
 \int . . . 4963, 4971, 4979, 4987, 4995  
 \intermath@penalty . . . . . 172  
 \intextsep . . . . . 3307  
 \iranicdefault . 2763, 2775, 2920,



2928  
\iranicfamily . . . 2773, 2774, 2787, 2921  
\item . . . . . 5220, 5221, 5222, 5223  
\itemautorefname . . . . . 1357  
\itemsep . . . 3205, 3221, 3236, 3252, 3268  
\itshape . . . . . 3631, 5232

**J**  
\jobname . . . 3809, 3810, 3821, 3822, 3833, 3834

**K**  
\KashidaOff . . . . . 1458  
\KashidaOn . . . . . 1457, 1462  
\KashidaXBFixOff . . . . . 1461  
\KashidaXBFixOn . . . . . 1460  
\kern . . . . . 1977, 3340  
\keyval@eq@alias@key . 1503, 1507  
\KV@@sp@def . . . . . 3688

**L**  
\l 2620, 2621, 2625, 2644, 2649, 2694, 2698, 2799, 2800, 2804, 2823, 2824, 2828, 2847, 2848, 2852, 2871, 2872, 2876, 2895, 2896, 2900, 2919, 2920, 2924  
\label . . . . . 1312, 4787, 4833, 4857  
\labelsep . . 3249, 3264, 3277, 3286, 3295  
\labelwidth 3249, 3264, 3277, 3286, 3295  
\LARGE 3175, 3176, 4106, 4193, 4257, 4260, 4273, 4275  
\Large 3169, 3170, 4105, 4212, 4262, 4389, 4672, 4706  
\large 3163, 3164, 4104, 4116, 4122, 4202, 4221, 4244, 4264, 4277, 4283, 4395  
\LastFrameCommand . . . . . 1344  
\lastpenalty . . . . . 170  
\lastskip . . . . . 169  
\latin . . . . . 2975  
\LatinAlphs . . . . . 2975, 2979, 3627  
\Latincite . . . . . 2175, 2991  
\latinfont . 2695, 2951, 2953, 3853  
\latintoday . . . . . 2982  
\lccode . . . . . 2194, 2195, 2196  
\leaders . . . . . 1419  
\leavevmode . . 138, 139, 1716, 1738, 1965, 2993, 3339  
\leftfootnoterule . . . . . 3762  
\leftmargin 3202, 3218, 3233, 3248, 3249, 3263, 3264, 3276, 3277, 3285, 3286, 3294, 3295  
\leftmargini . . . . 3202, 3218, 3233  
\leftmarginii . . . . . 3248  
\leftmarginiii . . . . . 3263  
\leftmarginiv . . . . . 3276  
\leftmarginv . . . . . 3285  
\leftmarginvi . . . . . 3294  
\let . . . 11, 19, 73, 74, 149, 151, 154, 155, 156, 162, 167, 1198, 1199, 1200, 1201, 1302, 1304, 1312, 1313, 1314, 1324, 1327, 1372, 1382, 1383, 1388, 1403, 1425, 1427, 1709, 1710, 1711, 1712, 1713, 1714, 1733, 1750, 1751, 1752, 1753, 1822, 1823, 1824, 1866, 1867, 1868, 1936, 1939, 1940, 1949, 1950, 1969, 1973, 1975, 1976, 1979, 1980, 1981, 1982, 1984, 1985, 1986, 1987, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 2008, 2017, 2020, 2023, 2024, 2097, 2106, 2109, 2112, 2113, 2121, 2176, 2201, 2212, 2219, 2225, 2229, 2230, 2245, 2247, 2267, 2276, 2294, 2296, 2410, 2444, 2474, 2495, 2499, 2938, 2939, 2951, 2952, 2956, 2957, 2960, 2961, 2962, 2963, 2965, 2966, 2970, 2971, 2981, 2994, 3113, 3130, 3147, 3208, 3369, 3374, 3381, 3487, 3607, 3625, 3626, 3628, 3629, 3842, 3843, 3847, 3848, 3885, 3912, 3913, 4267, 4268, 4269, 4289, 4290, 4291, 4292, 4293, 4294, 4295, 4296, 4297, 4298, 4877, 4893, 4919, 5008, 5130,



5134, 5149, 5238, 5239, 5240,  
 5241, 5245, 5246, 5247, 5248,  
 5260, 5261, 5434, 5435, 5436  
 \lineskip ..... 1316, 4278  
 \lineskiplimit ..... 1317  
 \linespread ..... 3045  
 \linewidth . 5186, 5190, 5205, 5265  
 \listalgorithmname ..... 7  
 \listfigurename ..... 3344  
 \listtablename ..... 3345  
 \LoadClass ..... 4050  
 \logo ..... 4383, 4412  
 \long ..... 1715  
 \longdate ..... 4767  
 \loop ..... 3014, 5402, 5411  
 \lower ..... 3339  
 \lowercase ..... 2197  
 \lr 1382, 2008, 2097, 2973, 2982, 2995,  
 4110, 4165, 4557  
 \LRE ..... 2973  
 \lstlistingname ..... 1464  
 \lstlistlistingname ..... 1465  
 \LTR ..... 2975  
 \LTRfoottextfont ..... 1290  
 \ltx@ifundefined 1374, 1386, 1390

## M

\m@ne ..... 2125, 4884, 4908  
 \m@th ..... 1735  
 \makeform ..... 5242, 5249  
 \makeform@correction . 5157, 5249  
 \makeform@nocorrection .. 5154,  
 5242  
 \MakeFramed ..... 1346  
 \makemask ..... 5243, 5250  
 \makemask@correction . 5162, 5250  
 \makemask@nocorrection .. 5159,  
 5243  
 \maketitle ..... 4266, 4290  
 \MakeUppercase ..... 4232  
 \makezwnjletter ..... 1498, 1499  
 \math@bgroup ..... 4879, 4903  
 \math@fonts ..... 4886, 4910  
 \math@version .. 4882, 4885, 4890,  
 4891, 4895, 4906, 4909, 4913,  
 4915, 4917, 4921

\mathalpha 5017, 5018, 5019, 5020,  
 5021, 5022, 5023, 5024, 5025,  
 5026  
 \mathbf ..... 4956, 5029  
 \mathbin ..... 5027  
 \mathchar@type .. 4943, 4952, 4954  
 \mathchardef ..... 5068  
 \mathcode . 4964, 4972, 4980, 4988,  
 4996, 5096  
 \mathgroup ..... 4876  
 \mathiranic ..... 2774  
 \mathit ..... 4957, 5030  
 \mathnavar ..... 2777  
 \mathord ..... 5028  
 \mathpersiansf ..... 2768  
 \mathpersiantt ..... 2771  
 \mathpook ..... 2780  
 \mathrm ..... 4958, 5031  
 \mathsayeh ..... 2783  
 \mathsf ..... 4959, 5045  
 \mathsurround ..... 166  
 \mathtt ..... 4960, 5059  
 \mbox ..... 1979  
 \meaning ..... 2589, 2592  
 \MessageBreak .. 2034, 2035, 2064,  
 2065, 3638, 4455, 4487, 4521,  
 4541, 4562, 4565, 4587, 4612,  
 4638, 4661, 4664, 5198  
 \MidFrameCommand ..... 1342  
 \minilogo ..... 4394, 4608  
 \minraggedcols . 4033, 4034, 4072,  
 4076, 4714, 4788, 4834, 4859  
 \mlftitle ..... 1595  
 \mltttitle ..... 1596  
 \month ..... 5302  
 \moveright ..... 1318  
 \mtctitle ..... 1594  
 \multido ..... 4356, 4362  
 \multiply . 1695, 5305, 5318, 5345,  
 5351, 5368, 5372  
 \mylogo ..... 4399

## N

\n 5070, 5073, 5074, 5075, 5076, 5077,  
 5078, 5079, 5080, 5081, 5082,  
 5083





`\NAT@close` . . . . . 2091, 2170  
`\NAT@Latin@citetp` . 2178, 2182, 2183, 2184  
`\NAT@open` . . . . . 2074, 2150  
`\NAT@alias` . 2052, 2082, 2117, 2160  
`\NAT@all@names` . 2020, 2023, 2109, 2112  
`\NAT@aysep` . . . . . 2044  
`\NAT@biblabel` . . . . . 1995  
`\NAT@biblabelnum` . . . . . 1986  
`\NAT@bibsetnum` . . . . . 1987  
`\NAT@bibsetup` . . . . . 1996  
`\NAT@cite` . . . . . 1992  
`\NAT@cite@list` . . . . . 2009, 2098  
`\NAT@citea@mbox` . . . . . 2143  
`\NAT@citenum` . . . . . 1980  
`\NAT@citesuper` . . . . . 1973  
`\NAT@citeundefined` . . 2014, 2104  
`\NAT@citex` . . . . . 1993  
`\NAT@citexnum` . . . . . 1984  
`\NAT@close` . . . . . 1988, 1999  
`\NAT@cmpr` . . . . . 2119, 2165  
`\NAT@cmt` . . . . . 2090, 2168  
`\NAT@ctype` . 2025, 2055, 2115, 2117, 2148, 2156, 2158, 2167, 2176  
`\NAT@date` . 1999, 2016, 2026, 2027, 2038, 2046, 2051, 2056, 2069, 2076, 2081, 2084, 2091  
`\NAT@def@citea` . . 2053, 2085, 2146  
`\NAT@def@citea@box` . . . . . 2154  
`\NAT@def@citea@close` . . . . . 2087  
`\NAT@exlab` . 2032, 2036, 2062, 2066  
`\NAT@fullfalse` . . . . . 2177  
`\NAT@fulltrue` . . . . . 2177  
`\NAT@hyper@` . 2027, 2036, 2038, 2041, 2050, 2051, 2052, 2057, 2066, 2069, 2072, 2080, 2081, 2082, 2117, 2153  
`\NAT@hyper@citea@space` . . 2156, 2158, 2160  
`\NAT@idtxt` . . . . . 1988, 1999  
`\NAT@ifcat@num` . . . . . 2120, 2123  
`\NAT@last@nm` . 2017, 2029, 2059, 2106, 2149  
`\NAT@last@num` . . 2106, 2123, 2124, 2142  
`\NAT@last@yr` . 2017, 2030, 2060, 2097, 2131, 2165  
`\NAT@last@yr@mbox` . . . 2127, 2137  
`\NAT@Latin@cites` . . . . 2177, 2178  
`\NAT@Latin@citex` . 1994, 2002, 2003  
`\NAT@Latin@citexnum` . 1985, 2092, 2093  
`\NAT@mbox` . 1974, 1979, 2150, 2153, 2170  
`\NAT@merge` . . . . . 2127, 2142  
`\NAT@name` . 1988, 1999, 2020, 2024, 2109, 2113  
`\NAT@nm` . 2008, 2017, 2023, 2024, 2027, 2029, 2042, 2050, 2057, 2059, 2073, 2080, 2097, 2106, 2112, 2113, 2121, 2122, 2126, 2130, 2149  
`\NAT@nmfmt` . 2027, 2042, 2050, 2057, 2073, 2080  
`\NAT@num` . . 1988, 2097, 2106, 2120, 2121, 2142, 2153  
`\NAT@open` . . . . . 1988, 1999  
`\NAT@parse` . . . . . 2018, 2107  
`\NAT@partrue` . . . . . 2176  
`\NAT@penalty` . 1990, 1998, 2134, 2149  
`\NAT@reset@citea` . . . . 2007, 2096  
`\NAT@reset@parser` . . . 2005, 2094  
`\NAT@set@cites` . . . . . 1971, 2174  
`\NAT@sort@cites` . . . . . 2006, 2095  
`\NAT@space` . 1976, 1981, 1997, 2149  
`\NAT@spacechar` . 1981, 1988, 1997, 1999, 2037, 2044, 2068, 2074, 2150, 2152  
`\NAT@super@kern` . 1977, 1982, 2150  
`\NAT@swafalse` . . . . . 2180  
`\NAT@swattrue` . . . . . 2176  
`\NAT@temp` . . 2031, 2032, 2061, 2062  
`\NAT@test` . . 2117, 2150, 2156, 2158  
`\NAT@year` . . 2008, 2017, 2030, 2060  
`\NAT@yrsep` . . . . . 2029, 2059, 2149  
`\natexlab` . . . . . 1989, 2000  
`\navardefault` . . 2764, 2778, 2848, 2856  
`\navarfamily` . 2776, 2777, 2788, 2849  
`\NeedsTeXFormat` . 2528, 4004, 4873, 5136, 5273



<code>\new@mathalphabet</code> . . . . .	4939	5285, 5286, 5287, 5288, 5289,
<code>\new@mathbf</code> . . . . .	4961, 5029	5290, 5292, 5293, 5294, 5295,
<code>\new@mathgroup</code> . .	4876, 4877, 4932	5296, 5297, 5298, 5299
<code>\new@mathit</code> . . . . .	4969, 5030	<code>\newcounter</code> . . . . .
<code>\new@mathrm</code> . . . . .	4977, 5031	5171, 5172
<code>\new@mathsf</code> . . . . .	4985, 5045	<code>\newdimen</code> . .
<code>\new@mathtt</code> . . . . .	4993, 5059	3009, 3010, 4333, 4334
<code>\new@mathversion</code> . . . . .	4937	<code>\NewDocumentCommand</code> .
<code>\new@symbolfont</code> . . . . .	4938	2716, 2740,
<code>\newboolean</code> 4015, 4017, 4019, 4021,		4961, 4969, 4977, 4985, 4993
4023, 4025, 4027		<code>\newenvironment</code> 1501, 2188, 2189,
<code>\newcolumntype</code> . . . . .	5150, 5151	2979, 2980, 4302, 4408, 4570,
<code>\newcommand</code> 1457, 1458, 1460, 1461,		4600, 4624, 4778, 4827, 4853,
1498, 1500, 1501, 1503, 1507,		5200, 5234
2002, 2092, 2178, 2183, 2506,		<code>\newfam</code> . . . . .
2562, 2564, 2570, 2576, 2673,		4877
2674, 2761, 2762, 2763, 2764,		<code>\newfontface</code> . . . . .
2765, 2766, 3012, 3052, 3053,		2496
3057, 3089, 3327, 3332, 3375,		<code>\newfontlanguage</code> . . . . .
3378, 3481, 3484, 3958, 4012,		2610
4067, 4111, 4112, 4115, 4116,		<code>\newfontscript</code> . . . . .
4117, 4122, 4123, 4126, 4127,		2609
4130, 4131, 4132, 4133, 4136,		<code>\newif</code> 1416, 1417, 2603, 3007, 3050,
4137, 4141, 4142, 4145, 4146,		5276
4147, 4148, 4151, 4154, 4159,		<code>\newlength</code> 4007, 4008, 4009, 4010,
4164, 4167, 4169, 4172, 4177,		4011, 4013, 5164, 5255, 5257
4178, 4189, 4190, 4193, 4194,		<code>\newmathalphabet</code> . . . . .
4202, 4203, 4206, 4207, 4212,		4933
4213, 4221, 4222, 4224, 4225,		<code>\newmathalphabet@</code> . . . . .
4226, 4227, 4230, 4231, 4233,		4933
4234, 4244, 4245, 4246, 4247,		<code>\newmathalphabet@@</code> . . . . .
4248, 4249, 4254, 4255, 4256,		4933
4257, 4258, 4259, 4260, 4261,		<code>\newpage</code> . . .
4262, 4263, 4264, 4265, 4300,		3807, 3819, 3831, 4418
4305, 4337, 4369, 4383, 4394,		<code>\newsavebox</code> . . . . .
4399, 4407, 4431, 4462, 4494,		4301
4528, 4547, 4651, 4669, 4676,		<code>\newsection</code> . . . . .
4718, 4726, 4769, 4775, 4795,		4775
4812, 4841, 4866, 4950, 4951,		<code>\next</code> . 1425, 1427, 1428, 2201, 2202,
4953, 5065, 5066, 5146, 5148,		2203, 2207, 2209, 2212, 2216,
5154, 5157, 5159, 5162, 5166,		2217, 2219, 2225, 2230, 2234,
5168, 5170, 5218, 5219, 5224,		2236, 2245, 2247, 2253, 2256,
5228, 5233, 5252, 5254, 5430		2260, 2267, 2269
<code>\newcount</code> . 3008, 4029, 4030, 4033,		<code>\nobreak</code> . . . . .
4335, 4336, 5277, 5278, 5279,		1418, 1974
5280, 5281, 5282, 5283, 5284,		<code>\noexpand</code> . 1302, 2200, 2220, 2226,
		2228, 2238, 2246, 2248, 2260,
		2261, 2270, 3107, 3113, 3124,
		3130, 3141, 3147, 3152, 3158,
		3164, 3170, 3176, 3182, 3188,
		3206, 3222, 3237, 3253, 3269,
		3278, 3287, 3296, 4889
		<code>\nohyphens</code> . 4183, 4198, 4217, 4238
		<code>\noindent</code> . 4128, 4143, 4181, 4191,
		4196, 4204, 4209, 4215, 4223,
		4228, 4232, 4236, 4385, 4402,
		4483, 4509, 4534, 4581, 4658,
		4672, 4706, 4721, 4759, 4816,
		4844, 4869, 4871
		<code>\non@alpherr</code> . . . . .
		4898, 4924



`\nopagebreak` . . . . . 5266  
`\normalcolor` . . . . 1703, 1944, 1954  
`\normalfont` 2632, 2705, 2811, 2835,  
 2859, 2883, 2907, 2931, 2951,  
 2952, 2965, 2966  
`\normalsfcodes` . . . . . 1311  
`\normalsize` 1311, 2987, 3106, 3107,  
 3191, 4079, 4080, 4126, 4721,  
 4759  
`\not` . . . . . 5178  
`\not@math@alphabet` . 2768, 2771,  
 2774, 2777, 2780, 2783  
`\null` . . . . . 4270, 4286  
`\number` 3388, 3390, 3391, 3489, 3491,  
 3492, 3592, 3594, 3596, 3598,  
 4890, 4914, 5431, 5432  
`\numexpr` . . 4964, 4972, 4980, 4988,  
 4996

## O

`\obeyspaces` . . . . . 5070  
`\old@endquestion` . . . . 5261, 5269  
`\old@question` . . . . . 5260, 5267  
`\or` 1845, 1846, 1847, 1849, 1850, 1874,  
 1875, 1876, 1880, 1881, 1882,  
 1883, 1884, 1888, 1889, 2050,  
 2051, 2052, 2080, 2081, 2082,  
 2155, 2157, 2159, 3361, 3362,  
 3363, 3364, 3365, 3366, 3370,  
 3371, 3372, 3409, 3410, 3411,  
 3412, 3413, 3414, 3415, 3416,  
 3417, 3418, 3422, 3461, 3462,  
 3463, 3464, 3467, 3470, 3473,  
 3474, 3477, 3478, 3479, 3510,  
 3511, 3512, 3513, 3514, 3515,  
 3516, 3517, 3518, 3519, 3523,  
 3566, 3567, 3568, 3571, 3572,  
 3573, 3574, 3575, 3578, 3579,  
 3580, 3581, 3610, 3611, 3614,  
 3615, 3618, 3619, 3622, 3692,  
 3702, 3704, 3710, 3712, 3718,  
 3720, 3726, 3733, 3741, 3748,  
 3755, 3761, 3763, 3765, 3767,  
 3773, 3779, 3789, 3799, 3845,  
 3884, 3891, 3898, 3911, 3923,  
 5437, 5438, 5439, 5440, 5441,

5442, 5443  
`\orig` . 4956, 4957, 4958, 4959, 4960,  
 4962, 4970, 4978, 4986, 4994  
`\originaltoday` . . . . . 2981, 2982  
`\Ovalbox` . . . . . 4698, 4751  
`\ovalbox` . . . . . 4693, 4746  
`\overline` . . . . . 5083

## P

`\p@` 1977, 3058, 3059, 3060, 3061, 3063,  
 3066, 3067, 3069, 3073, 3074,  
 3075, 3077, 3080, 3081, 3092,  
 3095, 3257, 4271  
`\PackageError` . . 1476, 1479, 1482,  
 1485, 1488, 1491, 1494, 3334,  
 3383, 3638, 3806, 3812, 3818,  
 3824, 3830, 3836  
`\PackageInfo` . . . 67, 79, 3043, 3044,  
 3991, 3992, 4950  
`\PackageWarning` 2015, 2104, 3584,  
 3804  
`\PackageWarningNoLine` 2032, 2062  
`\page@free` . . . . . 4315, 4317  
`\pageautorefname` . . . . . 1370  
`\pagegoal` . . . . . 4797  
`\pagename` . . . . . 3357  
`\pagenumbering` . . 15, 98, 109, 127,  
 1280, 1579, 2433  
`\pageref` . . . . . 4156, 4654  
`\pagesFormat` . . . . . 4230, 4232  
`\pagestyle` . . . . . 4373  
`\pagetotal` . . . . . 4798  
`\par` . . . 10, 17, 24, 40, 46, 52, 58, 99,  
 110, 117, 129, 787, 1272, 1282,  
 1294, 1402, 1583, 2373, 2380,  
 2387, 2395, 2403, 2436, 2466,  
 4273, 4275, 4281, 4283, 4284,  
 4773, 4858, 5206, 5266  
`\paragraphautorefname` . . . . 1366  
`\parallel` . . . . . 4138  
`\parbox` . . . . . 5205, 5265  
`\parsep` 3193, 3204, 3205, 3209, 3220,  
 3221, 3224, 3235, 3236, 3239,  
 3251, 3252, 3266  
`\partautorefname` . . . . . 1360  
`\partname` . . . . . 3350



`\partopsep` . . . . . 3257, 3267, 3316  
`\PassOptionsToClass` . 4035, 4036, 4037  
`\pbs` . . . . . 5149, 5150  
`\pdfstringdefDisableCommands` . . . . . 1381  
`\penalty` . . . . . 166, 172, 1990, 2996  
`\persian` . . . . . 2977  
`\PersianAlphs` . . 2977, 2980, 3841, 3846, 4003  
`\persianday` . . . . . 5436  
`\PersianDisplayMathsDigits` 3721, 5108, 5114  
`\persianfont` . . . . 2622, 2965, 2967  
`\PersianInlineMathsDigits` 3713, 5104, 5113  
`\PersianMathsDigits` . . 3705, 5112  
`\persianmathsdigits` . 5016, 5105, 5109, 5117, 5121  
`\persianmathsfdigits` 5045, 5106, 5110, 5118, 5122  
`\persianmathttdigits` 5059, 5107, 5111, 5119, 5123  
`\persianmonth` . . . . . 5435  
`\persiansfdefault` . . 2761, 2769, 2800, 2808  
`\persiansffamily` 2767, 2768, 2785, 2801  
`\persiantoday` . . . . . 2983, 5430  
`\persianttdefault` . . 2762, 2772, 2824, 2832  
`\persianttfamily` 2770, 2771, 2786, 2825  
`\persianyear` . . . . . 5434  
`\pictureCaptionFormat` 4226, 4228  
`\plftitle` . . . . . 1592  
`\plq` . . . . . 2583  
`\plttitle` . . . . . 1593  
`\pookdefault` 2765, 2781, 2872, 2880  
`\pookfamily` . 2779, 2780, 2789, 2873  
`\postmath` . . . . . 172  
`\PrefixCurrentTab` . . . . . 2506  
`\premath` . . . . . 168  
`\prepnext@tok` . . . . . 1842, 1852  
`\printindex` . . . . . 3807, 3819, 3831  
`\process@table` . . . . . 4936  
`\ProcessOptions` . . . . . 4049, 5272  
`\ProcessOptionsX` . . . . . 3942  
`\proofname` . . . . . 3359  
`\protect` . . 1302, 4455, 4456, 4458, 4487, 4488, 4490, 4521, 4522, 4524, 4541, 4542, 4544, 4562, 4563, 4565, 4661, 4662, 4664, 5155, 5158, 5160, 5163, 5181, 5186, 5187, 5188, 5190, 5191, 5192, 5212, 5213  
`\protected@write` . . . . 3905, 3909  
`\providecommand` . . . . . 3583  
`\ProvidesClass` . . . . . 4005  
`\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, 1328, 1336, 1350, 1354, 1399, 1406, 1463, 1466, 1497, 1577, 1590, 1600, 1970, 2371, 2378, 2385, 2393, 2401, 2430, 2464, 2494, 2497, 2517  
`\ProvidesPackage` 2531, 4874, 5137, 5274  
`\prq` . . . . . 2582  
`\ptctitle` . . . . . 1591

## Q

`\quad` . . . . . 3321  
`\question` . . . . . 5260  
`\questionsepspace` 5257, 5258, 5270  
`\questionspace` . . 5164, 5165, 5206  
`\questiontitle` . . . . . 5252, 5271  
`\questiontitlefont` . . . . . 5254  
`\questiontitlespace` . 5255, 5256, 5266

## R

`\raggedFormat` . . 4067, 4715, 4789, 4835, 4860  
`\RaggedLeft` . . . . . 4067  
`\raisebox` . . . . . 4113, 4118  
`\redeflatinfont` . . . . . 2742  
`\redefpersianfont` . . . . . 2718  
`\refname` . . . . . 92, 3348



<code>\refstepcounter</code> . . . . .	5222, 5223		2524, 2525, 2526, 2527, 3005,
<code>\relax</code> 1498, 1690, 1722, 1857, 1858,			3319, 3323, 3632, 3807, 3819,
1879, 1880, 1881, 1942, 1952,			3831, 4079, 4086, 4088, 4090,
1976, 1982, 2026, 2056, 2084,			4097, 4104, 4105, 4106, 4107,
2091, 2097, 2124, 2131, 2142,			4108, 4160, 4161, 4162, 4173,
2297, 2410, 2444, 2474, 2495,			4174, 4175, 4266, 4371, 4407,
2500, 2586, 2604, 2942, 2943,			4427, 4766, 4776, 4781, 5153
2947, 2948, 3045, 3090, 3094,		<code>\RenewDocumentCommand</code> 2721, 2745	
3277, 3286, 3295, 3689, 3700,		<code>\renewenvironment</code> . . .	1337, 5262
3708, 3716, 3724, 3731, 3739,		<code>\repeat</code> . . . . .	3040, 5405, 5414
3746, 3753, 3759, 3771, 3777,		<code>\RequirePackage</code> 2533, 2534, 2535,	
3783, 3787, 3793, 3797, 3803,		2536, 4006, 4051, 4052, 4053,	
3816, 3828, 3840, 3882, 3889,		4054, 4055, 4056, 4058, 4060,	
3896, 3903, 3912, 3913, 3918,		4062, 4063, 4064, 4065, 4066,	
3924, 3950, 3954, 3960, 3961,		5139, 5140, 5141, 5142, 5143,	
3962, 3986, 3988, 4049, 4268,		5144	
4289, 4290, 4295, 4296, 4297,		<code>\reserved@a</code> 1654, 1658, 1664, 1670,	
4298, 4879, 4893, 4903, 4919,		1673, 1676, 1679, 1682, 1685,	
4952, 4954, 4964, 4972, 4980,		1688	
4988, 4996, 5008, 5096, 5130,		<code>\reserved@b</code> . . . . .	1634, 1635
5134, 5304, 5305, 5307, 5312,		<code>\reset@font</code> 1311, 2014, 2103, 2952,	
5317, 5318, 5324, 5326, 5328,		2966, 2985, 2999	
5330, 5331, 5332, 5333, 5334,		<code>\resetlatinfont</code> 84, 86, 1289, 1290,	
5335, 5336, 5337, 5338, 5339,		1330, 1332, 2937, 2973, 2975,	
5340, 5342, 5344, 5345, 5350,		2979, 2986, 3005, 3634	
5351, 5358, 5360, 5363, 5367,		<code>\restore@mathversion</code> . . . . .	4936
5368, 5371, 5372, 5375, 5380,		<code>\restoreapp</code> . . . . .	36
5382, 5384, 5386, 5387, 5388,		<code>\rightfootnoterule</code> . . . . .	3764
5389, 5390, 5391, 5392, 5393,		<code>\rightline</code> . . . . .	4770
5394, 5395, 5396, 5397, 5399,		<code>\rl</code> . . . . .	1383, 2974, 2983
5400, 5403, 5408, 5412, 5418,		<code>\RLE</code> . . . . .	2974
5420, 5421		<code>\rmdefault</code> . . . . .	2621, 2629, 2702
<code>\renewcommand</code> . . . . .		<code>\Roman</code> . . . . .	1196, 2417, 2451, 2481
. 9, 16, 24, 30, 31, 34, 39, 40,		<code>\roman</code> . . . . .	1195, 2418, 2452, 2482
45, 46, 51, 52, 57, 58, 86, 88,		<code>\romannumeral</code> . .	2426, 2460, 2490,
94, 95, 99, 105, 106, 110, 116,		5404, 5413, 5423	
117, 124, 128, 129, 1271, 1272,		<code>\RTL</code> . . . . .	2977
1277, 1281, 1282, 1289, 1290,		<code>\RTLfoottextfont</code> . . . . .	1291
1291, 1293, 1294, 1330, 1332,		<code>\rule</code> . 4130, 4256, 4358, 4364, 4451,	
1334, 1401, 1578, 1580, 1581,		4483	
1582, 1583, 1971, 1988, 1999,			
2372, 2373, 2379, 2380, 2386,		<b>S</b>	
2387, 2394, 2395, 2402, 2403,		<code>\sayehdefault</code> . .	2766, 2784, 2896,
2409, 2431, 2435, 2436, 2443,		2904	
2465, 2466, 2473, 2498, 2518,		<code>\sayehfamily</code> 2782, 2783, 2790, 2897	
2519, 2520, 2521, 2522, 2523,		<code>\scriptsize</code> . . . . .	3151, 3152, 4088



$\backslash$ secondarticle . 4462, 4487, 4488, 4490  
 $\backslash$ secondSubtitleFormat 4202, 4204  
 $\backslash$ secondTextFormat . . . 4206, 4209  
 $\backslash$ secondTitleFormat . 4193, 4198, 4199  
 $\backslash$ section . . . . . 3335  
 $\backslash$ sectionautorefname . . . . . 1363  
 $\backslash$ sectionname . . . . . 11, 1403  
 $\backslash$ select@group . . . . . 4878  
 $\backslash$ selectfont 2626, 2651, 2699, 2732, 2756, 2769, 2772, 2775, 2778, 2781, 2784, 2805, 2829, 2853, 2877, 2901, 2925, 2955, 2969, 3046  
 $\backslash$ set@@mathdelimiter . . . . . 4943  
 $\backslash$ set@fontsize . . . 3949, 3953, 3985  
 $\backslash$ set@mathaccent . . . . . 4940  
 $\backslash$ set@mathchar . . . . . 4940  
 $\backslash$ set@mathdelimiter . . . . . 4942  
 $\backslash$ set@mathsymbol . . . . . 4941  
 $\backslash$ set@typeset@protect . 1306, 1310  
 $\backslash$ setboolean 2507, 2508, 4016, 4018, 4020, 4022, 4024, 4026, 4028, 4044, 4045, 4047, 4048, 4410, 4428, 4573, 4598, 4627, 4649  
 $\backslash$ setbox 150, 1701, 1744, 1848, 1850, 1851, 1941, 1944, 1951, 1954  
 $\backslash$ setclass . 1421, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440  
 $\backslash$ 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, 1326, 1584, 1585, 2374, 2375, 2381, 2382, 2388, 2389, 2396, 2397, 2404, 2405, 2437, 2438, 2467, 2468, 2501, 2505, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 4288, 5175  
 $\backslash$ setdigitfont . . . . . 2679  
 $\backslash$ SetDisplayMathsDigits . . 5099, 5108, 5120, 5130, 5133  
 $\backslash$ SetEnumerateShortLabel . 1211, 1212, 1213, 1214, 1215  
 $\backslash$ setfontsize . . . . 3089, 3691, 3693  
 $\backslash$ SetInlineMathsDigits 5098, 5104, 5116, 5129, 5134  
 $\backslash$ setiraniconfont . . . . . 2912  
 $\backslash$ setkeys . . . . . 141, 158  
 $\backslash$ setlatinmonofont . . . . . 2711  
 $\backslash$ setlatinsansfont . . . . . 2710  
 $\backslash$ setlatintextfont . . . 2687, 4002  
 $\backslash$ setlength 1720, 1723, 1742, 3061, 3063, 3067, 3069, 3075, 3077, 3081, 3083, 3091, 3095, 3097, 3105, 3115, 3116, 3122, 3132, 3133, 3139, 3149, 3150, 3155, 3156, 3161, 3162, 3167, 3168, 3173, 3174, 3179, 3180, 3185, 3186, 3192, 3257, 3299, 3300, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 4014, 4046, 4081, 4082, 4083, 4084, 4092, 4093, 4094, 4095, 4099, 4100, 4101, 4102, 4307, 4311, 4352, 4353, 4370, 4375, 4376, 4500, 4532, 4604, 4629, 4632, 4680, 4681, 4729, 4730, 4796, 4797, 4813, 5165, 5256, 5258  
 $\backslash$ setLTRcitationfont . . . . . 84  
 $\backslash$ SetMathAlphabet . . . . . 4939  
 $\backslash$ SetMathAlphabet@ . . . . . 4939  
 $\backslash$ SetMathCharDef . . . . . 4953, 5028  
 $\backslash$ SetMathCode 4951, 5017, 5018, 5019, 5020, 5021, 5022, 5023, 5024, 5025, 5026, 5027  
 $\backslash$ setmathdigitfont . . . . . 5002  
 $\backslash$ setmathsfdigitfont . . . . . 5036  
 $\backslash$ setmathttdigitfont . . . . . 5050  
 $\backslash$ setmonofont . . . . . 2711  
 $\backslash$ setnavarfont . . . . . 2840  
 $\backslash$ setpersianfont . . 88, 1291, 1334, 2959, 2974, 2977, 2980, 3005  
 $\backslash$ setpersianmonofont . . . . . 2816  
 $\backslash$ setpersiansansfont . . . . . 2792  
 $\backslash$ setpookfont . . . . . 2864  
 $\backslash$ setsansfont . . . . . 2710  
 $\backslash$ setsayehfont . . . . . 2888  
 $\backslash$ SetSymbolFont . . . . . 4938





3165, 3171, 3177, 3183, 3189,  
 3203, 3204, 3219, 3220, 3234,  
 3235, 3250, 3251, 3265, 3267,  
 4314, 4315, 4800, 5129, 5133,  
 5404, 5413, 5423  
 \the@choice . . . . . 5174, 5196  
 \thebook . . . . . 1581  
 \thechapter . . . . . 20, 31,  
 103, 114, 121, 133, 1286, 1298,  
 1580, 1587, 2377, 2384, 2391,  
 2399, 2440, 2470  
 \theclass . . . . . 1421, 1426  
 \theHchapter . . . . . 1376, 1393  
 \theHsection . . . . . 1375, 1391  
 \thempfn . . . . . 1749  
 \thempfootnote . . . . . 1749, 3631  
 \theoremautorefname . . . . . 1369  
 \thepage . . . . . 2016, 2033, 2063, 2105,  
 3002, 4156  
 \thepart . . . . . 9, 16, 39, 45, 51, 57,  
 94, 105, 116, 128, 1271, 1281,  
 1293, 1401, 1582, 2372, 2379,  
 2386, 2394, 2402, 2435, 2465  
 \thequestion . . . . . 5195, 5235, 5271  
 \thesection . . . . . 12, 34, 43, 49, 55, 61,  
 1275, 1404, 2406  
 \thirdarticle . . . . . 4494, 4521, 4522,  
 4524  
 \thirdSubtitleFormat . . . . . 4221, 4223  
 \thirdTextFormat . . . . . 4224, 4225  
 \thirdTitleFormat . . . . . 4212, 4217, 4218  
 \thispagestyle . . . . . 4411, 4416  
 \thr@@ . . . . . 1776, 1795, 1796, 1810, 1831,  
 1832, 1858, 1870, 1871, 1899,  
 1926, 1927  
 \timestamp . . . . . 4249, 4446, 4476, 4512  
 \timestampFormat . . . . . 4248, 4250  
 \timestampSeparator . . . . . 4247, 4252  
 \timestampTxt . . . . . 4246, 4251  
 \tiny . . . . . 3157, 3158, 4086  
 \title . . . . . 4295  
 \TitleBarFrame . . . . . 1339, 1341, 1343,  
 1345  
 \tl . . . . . 2621, 2630, 2703, 2710, 2711, 2800,  
 2809, 2824, 2833, 2848, 2857,  
 2872, 2881, 2896, 2905, 2920,  
 2929, 4930, 4947, 5029, 5030,  
 5031, 5045, 5059  
 \tmp . . . . . 5149  
 \today . . . . . 2981, 2983, 4767  
 \topmargin . . . . . 1318  
 \topsep . . . . . 3195, 3203, 3211, 3219, 3226,  
 3234, 3241, 3250, 3255, 3265,  
 3268  
 \TPHorizModule . . . . . 4127, 4352, 4451,  
 4483, 4534, 4581, 4582, 4605,  
 4606, 4629  
 \TPVertModule . . . . . 4353  
 \true . . . . . 5224  
 \truesymbol . . . . . 5218  
 \ttdefault . . . . . 2673, 2674  
 \tw@ . . . . . 1419, 1671, 1674, 1756, 1762,  
 1763, 1765, 1775, 1785, 1786,  
 1809, 1819, 1820, 1857, 1863,  
 1864, 1869, 1898, 1908, 1909,  
 2117, 3016, 3017, 3018, 3021,  
 3022, 3023  
 \twocolumnstableofcontents . . . . . 3332  
 \typeout . . . . . 2559, 2561, 4300  
  
 U  
 \Umathchardef . . . . . 4954  
 \Umathcode . . . . . 4952  
 \undefined . . . . . 1611, 5065, 5097, 5105,  
 5106, 5107, 5109, 5110, 5111,  
 5117, 5118, 5119, 5121, 5122,  
 5123  
 \unhbox . . . . . 1733  
 \unpenalty . . . . . 172  
 \unskip . . . . . 169, 1887, 1888, 1889, 1974,  
 2037, 2068  
 \unvbox . . . . . 1733  
 \use . . . . . 2622, 2635, 2645, 2677, 2695,  
 2708, 2726, 2730, 2750, 2754,  
 2801, 2814, 2825, 2838, 2849,  
 2862, 2873, 2886, 2897, 2910,  
 2921, 2934, 5034, 5048, 5062  
 \use@mathgroup . . . . . 4889  
 \usebox . . . . . 4304  
 \usecounter . . . . . 5208





**V**

`\value` . . . . . 2500, 5178, 5194  
`\vbox` . 1306, 1319, 1704, 1721, 1726,  
1727, 1744, 1851, 1941, 1945,  
1951, 1955, 4843, 4869  
`\vcenter` . . . . . 1730, 1731  
`\verbatim@addtoline` . 2206, 2221,  
2232, 2239, 2241, 2249, 2251,  
2263, 2265  
`\verbatim@finish` . . . . . 2259  
`\verbatim@processline` 2210, 2223,  
2243  
`\verbatim@startline` . 2199, 2211,  
2224, 2244  
`\version@elt` . . . . . 4935  
`\version@list` . . . . . 4935  
`\vfil` . . . . . 4270, 4286  
`\voidb@x` . . . . . 150  
`\vrb@catcodes` . . . . . 2193  
`\vskip` 1318, 1320, 1321, 4271, 4274,  
4276, 4282  
`\vspace` 4306, 4325, 4387, 4397, 4440,  
4444, 4467, 4470, 4474, 4481,  
4499, 4503, 4507, 4516, 4575,  
4579, 4635, 4656, 4704, 4708,  
4727, 4757, 4761, 4806, 4808,  
4818, 4821, 4846, 4848, 4868,  
4870, 5206, 5264, 5266  
`\vss` . . . . . 1733  
`\vtop` . . . . . 1728, 1729, 1850

**W**

`\weatherFormat` . . . . . 4141, 4143  
`\weatheritem` 4547, 4562, 4563, 4565  
`\weatherTempFormat` . . 4145, 4555  
`\weatherUnits` . . . . . 4146, 4557  
`\whiledo` . . . . . 5178  
`\width` . . . . . 1347, 2302, 2303  
`\write` . . . . . 2998, 3809, 3821, 3833  
`\writexviiifalse` . . . . . 2607  
`\writexviiitrue` . . . . . 2605

**X**

`\X` . . . . . 5148  
`\x` . . . . . 2589, 2594

`\xdef` . 1377, 1395, 3966, 3968, 3972,  
3974, 3978, 3980, 4889, 5174,  
5179, 5203, 5204, 5225, 5226,  
5229, 5230  
`\XePersian` . 1384, 3321, 3339, 4165  
`\xepersian` . . . . . 2280, 2282  
`\xepersian@adadi` . . . 3397, 3422  
`\xepersian@adadi@tartibi` 3498,  
3523  
`\xepersian@@baselineskip@scale`  
2939, 2945, 2957, 2961, 2963,  
2971, 3874, 3954  
`\xepersian@@fontsize@branch` . .  
. . . . . 3685, 3866  
`\xepersian@@fontsize@scale` 2938,  
2940, 2956, 2960, 2962, 2970,  
3862, 3950, 3961  
`\xepersian@@latin@baselineskip@scale`  
. . . . 2947, 2957, 3878  
`\xepersian@@latin@fontsize@scale`  
. . . . 2942, 2956, 3870  
`\xepersian@@math@fontsize@scale`  
. . . . . 3858, 3959  
`\xepersian@@start@switch@textdigitfont`  
2655, 2657, 2660, 2662, 2664,  
2666, 2668, 2670, 2673, 3920  
`\xepersian@@stop@switch@textdigitfont`  
2656, 2658, 2659, 2663, 2665,  
2667, 2669, 2671, 2674  
`\xepersian@@update@math@fontsize`  
. . 3958, 3968, 3974, 3980  
`\xepersian@A` 1413, 1431, 1452, 1453,  
1455, 2666, 2667  
`\xepersian@adadi` . . . . 3391, 3396  
`\xepersian@adadi@tartibi` 3492,  
3497  
`\xepersian@cmds@temp` . 2584, 2602  
`\xepersian@coltitsize` 4008, 4731,  
4732, 4733, 4734, 4737, 4742,  
4747, 4752  
`\xepersian@computeautoilg` 3012,  
3989  
`\xepersian@cx` . . . 4335, 4340, 4357  
`\xepersian@cy` . . . 4336, 4341, 4363  
`\XePersian@d` 5277, 5302, 5407, 5426,  
5428, 5431, 5436



\expersian@D 1410, 1433, 1434, 1435,  
1436, 1438, 1442, 1443, 1444,  
1445, 1446, 1450, 1452, 2662,  
2663  
\expersian@dahgan 3455, 3476, 3559  
\expersian@dahgan@tartibi 3557,  
3565  
\XePersian@dn . . 5297, 5396, 5404,  
5407, 5410, 5414, 5426, 5428  
\expersian@dx . . 4333, 4338, 4349,  
4352  
\expersian@dy . . 4334, 4339, 4350,  
4353  
\expersian@edition . 4115, 4119,  
4155, 4275, 4407  
\expersian@editionLogo . . 4117,  
4385, 4403  
\expersian@editorialTit . 4812,  
4831  
\expersian@editorialTitle 4258,  
4817  
\expersian@everyjob . . 2560, 2561  
\expersian@firstText . 4190, 4446  
\expersian@firstTitle 4178, 4441  
\expersian@fmbox 4301, 4303, 4304  
\expersian@footcenter 4167, 4174,  
4426  
\expersian@footleft . 4169, 4173,  
4425  
\expersian@footright 4164, 4175,  
4424  
\expersian@frag 3688, 3690, 3691,  
3693  
\expersian@gridcolumns . . 4030,  
4032, 4071, 4075  
\expersian@gridrows . 4029, 4031,  
4071, 4075  
\expersian@H 1414, 1437, 1443, 1444,  
1447, 1448, 1451, 1453, 2670,  
2671  
\expersian@headcenter 4151, 4161,  
4423  
\expersian@headDateTime . 4137,  
4391, 4405  
\expersian@headleft . 4148, 4160,  
4422  
\expersian@headright 4154, 4162,  
4421  
\XePersian@i 5277, 5400, 5401, 5403,  
5404, 5405, 5408, 5412, 5413,  
5416, 5417, 5420, 5423, 5425  
\expersian@ilg . 3009, 3013, 3017,  
3018, 3022, 3023, 3041  
\expersian@imgsize . 4007, 4308,  
4309, 4311, 4320, 4321  
\expersian@incolumntitle 4718,  
4737, 4742, 4747, 4752  
\expersian@indexEntry 4127, 4654  
\expersian@indexEntryPage 4133,  
4654  
\expersian@indexFrameTitle 4123,  
4630  
\expersian@indexwidth 4011, 4130,  
4629, 4633, 4634  
\expersian@inexpandedtitle 4669,  
4684, 4689, 4694, 4699  
\expersian@innerSubtitle 4245,  
4785  
\expersian@innerTitle 4234, 4784  
\XePersian@kabisehfalsh . 5347,  
5353  
\XePersian@kabisehtrue . . . 5353  
\expersian@kashida . 1418, 1442,  
1443, 1444, 1445, 1446, 1447,  
1448, 1449, 1450, 1451, 1452,  
1453, 1454  
\expersian@kashidachar . . 1408,  
1419  
\expersian@L 1411, 1439, 1445, 1446,  
1447, 1448, 1449, 1454, 1455,  
2664, 2665  
\XePersian@latini . . . 5278, 5324  
\XePersian@latinii . 5279, 5326,  
5328  
\XePersian@latiniii . . 5280, 5330  
\XePersian@latiniv . . 5281, 5331  
\XePersian@latinix . . 5286, 5336  
\XePersian@latinv . . . 5282, 5332  
\XePersian@latinvi . . 5283, 5333  
\XePersian@latinvii . . 5284, 5334  
\XePersian@latinviii . 5285, 5335  
\XePersian@latinix . . . 5287, 5337



\XePersian@latinxi . . 5288, 5338  
\XePersian@latinxii . . 5289, 5339  
\XePersian@leapfalse 5309, 5313,  
5319  
\XePersian@leaptrue . . 5319, 5320  
\XePersian@localize@verbatim@  
2201, 2202, 2204, 2212, 2225,  
2234, 2245, 2253, 2267  
\XePersian@localize@verbatim@@  
. . . . . 2204, 2205  
\XePersian@localize@verbatim@@@  
. . . . . 2207, 2208  
\XePersian@localize@verbatim@@@testend  
. . . . . 2247, 2257  
\XePersian@localize@verbatim@rescan  
. . . . . 2261, 2270  
\XePersian@localize@verbatim@start  
. . 2198, 2273, 2274, 2285  
\XePersian@localize@verbatim@test  
. . . . 2216, 2218, 2219  
\XePersian@localize@verbatim@testend  
. . . . . 2230, 2237  
\XePersian@m 5277, 5302, 5398, 5417,  
5420, 5432, 5435  
\XePersian@milyoongan 3424, 3435  
\XePersian@milyoongan@tartibi  
. . . . . 3525, 3536  
\XePersian@mminusone 5299, 5398,  
5399, 5401, 5405  
\XePersian@ncol . . . . . 4362, 4363  
\XePersian@ncolumns . 4012, 4713,  
4714, 4781  
\XePersian@nrow . . . . . 4356, 4357  
\XePersian@numberoutofrange . .  
. . . . 3382, 3393, 3494  
\XePersian@numberstring . 3379,  
3387  
\XePersian@numberstring@tartibi  
. . . . . 3485, 3488  
\XePersian@PackageInfo . . 4950,  
5011  
\XePersian@pageleft . 4010, 4797,  
4798, 4800, 4802  
\XePersian@pageneed . 4009, 4311,  
4312, 4314, 4317, 4796, 4802  
\XePersian@pages 4231, 4466, 4498,  
4783  
\XePersian@persian@month 5432,  
5437  
\XePersian@persiani . 5278, 5378,  
5379, 5409, 5426  
\XePersian@persianii . 5279, 5380  
\XePersian@persianiii 5280, 5382,  
5384  
\XePersian@persianiv . 5281, 5386  
\XePersian@persianix . 5286, 5391  
\XePersian@persianv . . 5282, 5387  
\XePersian@persianvi . 5283, 5388  
\XePersian@persianvii 5284, 5389  
\XePersian@persianviii . . 5285,  
5390  
\XePersian@persianx . . 5287, 5392  
\XePersian@persianxi . 5288, 5393  
\XePersian@persianxii 5289, 5394  
\XePersian@persianxiii . . 5290,  
5395  
\XePersian@pictureCaption 4227,  
4323, 4537  
\XePersian@R 1412, 1432, 1450, 1451,  
1454, 2668, 2669  
\XePersian@sadgan . . 3428, 3433,  
3437, 3441, 3446, 3529, 3542  
\XePersian@sadgan@tartibi 3534,  
3538, 3547  
\XePersian@say . 4300, 4780, 4800,  
4803, 4805, 4829, 4855  
\XePersian@secondSubtitle 4203,  
4472  
\XePersian@secondText 4207, 4476  
\XePersian@secondTitle . . 4194,  
4468  
\XePersian@section . 4147, 4152,  
4776  
\XePersian@setlength 3057, 3100,  
3102, 3103, 3117, 3119, 3120,  
3134, 3136, 3137, 3193, 3195,  
3209, 3211, 3224, 3226, 3239,  
3241, 3255, 3301, 3303, 3305,  
3316  
\XePersian@shellescape . . . 2604  
\XePersian@shortarticleItemTitle  
. . . . . 4265, 4869



`\xepersian@shortarticleSubtitle` 5362, 5363, 5364, 5366, 5367,  
     ..... 4263, 4849  
`\xepersian@shortarticleTit` 4841,  
     4856  
`\xepersian@shortarticleTitle` .  
     ..... 4261, 4845  
`\XePersian@sn` .. 5298, 5397, 5409,  
     5410, 5413, 5414, 5423, 5428  
`\xepersian@strutilg` . 3010, 3013,  
     3028, 3029, 3033, 3034, 3041,  
     3042, 3045, 3990, 3993  
`\xepersian@tartibi` .. 3485, 3570  
`\xepersian@tcl` . 3008, 3013, 3015,  
     3016, 3017, 3018, 3021, 3022,  
     3023, 3027, 3028, 3029, 3032,  
     3033, 3034, 3039, 3040  
`\XePersian@temp` 5292, 5303, 5304,  
     5305, 5307, 5311, 5312, 5313,  
     5316, 5317, 5318, 5319, 5341,  
     5342, 5343, 5346, 5347, 5349,  
     5352, 5353, 5357, 5358, 5361,  
     5364, 5369, 5374, 5376, 5377,  
     5379  
`\xepersian@tempa` 3699, 3707, 3715,  
     3723, 3730, 3738, 3745, 3752,  
     3758, 3770, 3776, 3782, 3786,  
     3792, 3796, 3802, 3815, 3827,  
     3839, 3881, 3888, 3895, 3902,  
     3917  
`\xepersian@tempb` 3699, 3700, 3707,  
     3708, 3715, 3716, 3723, 3724,  
     3730, 3731, 3738, 3739, 3745,  
     3746, 3752, 3753, 3758, 3759,  
     3770, 3771, 3776, 3777, 3782,  
     3783, 3786, 3787, 3792, 3793,  
     3796, 3797, 3802, 3803, 3815,  
     3816, 3827, 3828, 3839, 3840,  
     3881, 3882, 3888, 3889, 3895,  
     3896, 3902, 3903, 3917, 3918  
`\XePersian@tempthree` 5294, 5355,  
     5356, 5357, 5359, 5362, 5365,  
     5366, 5370, 5373, 5374, 5375,  
     5376  
`\XePersian@temptwo` . 5293, 5343,  
     5344, 5345, 5346, 5349, 5350,  
     5351, 5352, 5359, 5360, 5361,  
     5362, 5363, 5364, 5366, 5367,  
     5368, 5369, 5370, 5371, 5372,  
     5373  
`\xepersian@textdigitfont` 2647,  
     2673, 3921  
`\xepersian@thirdSubtitle` 4222,  
     4505  
`\xepersian@thirdText` . 4225, 4512  
`\xepersian@thirdTitle` 4213, 4501  
`\XePersian@thirtytwo` 5296, 5340,  
     5347  
`\xepersian@tmp` ..... 3687, 3688  
`\xepersian@V` ..... 1415, 1440  
`\xepersian@value` .... 3690, 3693  
`\xepersian@version` . 2529, 2531,  
     2547, 2563, 2565, 2571, 2577,  
     3324, 3328  
`\xepersian@weather` .. 4142, 4577  
`\xepersian@www` ..... 4112, 4385  
`\xepersian@wwwFormat` . 4111, 4113  
`\XePersian@y` 5277, 5302, 5303, 5306,  
     5316, 5319, 5341, 5355, 5418,  
     5421, 5432, 5434  
`\xepersian@yekani` .. 3428, 3456,  
     3460, 3467, 3470, 3529  
`\xepersian@yekanii` . 3379, 3441,  
     3466, 3542  
`\xepersian@yekaniii` . 3437, 3469,  
     3538  
`\xepersian@yekaniv` . 3448, 3472,  
     3549  
`\xepersian@yekanv` ... 3561, 3577  
`\XePersian@yModHundred` .. 5295,  
     5306, 5307, 5308, 5311, 5315  
`\xepersian@zwj` .. 1407, 1418, 1419  
`\xepersiandate` . 2530, 2531, 2547,  
     3324  
`\xepersianInit` ..... 4068, 4369  
`\xepersianversion` ..... 2562  
`\XeTeXcharclass` ..... 1426  
`\XeTeXcharglyph` 1419, 3016, 3017,  
     3018, 3021, 3022, 3023, 3027,  
     3028, 3029, 3032, 3033, 3034  
`\XeTeXglyphbounds` .. 1419, 3016,  
     3017, 3018, 3021, 3022, 3023,  
     3027, 3028, 3029, 3032, 3033,



3034  
`\XeTeXinterchartoks` . 1442, 1443,  
1444, 1445, 1446, 1447, 1448,  
1449, 1450, 1451, 1452, 1453,  
1454, 1455, 2655, 2656, 2657,  
2658, 2659, 2660, 2662, 2663,  
2664, 2665, 2666, 2667, 2668,  
2669, 2670, 2671  
`\xpg@warning` . . . . 3583, 3588, 3590

## Y

`\y` . . . . . 2590, 2592, 2594  
`\year` . . . . . 5302

## Z

`\z` . . . . . 2591, 2592  
`\z@` . . 10, 18, 152, 153, 164, 166, 1317,  
1402, 1649, 1749, 1753, 1758,  
1759, 1767, 1777, 1781, 1782,  
1787, 1801, 1811, 1815, 1816,  
1821, 1837, 1859, 1860, 1871,  
1889, 1900, 1904, 1905, 1918,  
1932, 2119, 2165, 2167, 2176,  
2300, 2301, 2308, 2309, 2657,  
2658, 3013, 3016, 3021, 3027,  
3032, 3058, 3059, 3060, 3066,  
3073, 3074, 3080, 3102, 3119,  
3136, 3257, 3266, 3310, 3423,  
3425, 3427, 3431, 3447, 3450,  
3456, 3524, 3526, 3528, 3532,  
3548, 3551, 3561, 3590, 3612,  
3616, 3620, 3623, 3686, 5353  
`\z@skip` . . . . . 1315, 1316  
`\ziffer@check` . . . . . 5071, 5072  
`\ziffer@dcheck` . . . . . 5070, 5071  
`\ziffer@DotOri` . . . . . 5068, 5071  
`\ZifferAn` . . . . . 5066, 5069  
`\ZifferLeer` . . . . . 5071, 5097

## ⌘

`\` . . . . . 1119, 1589, 2185  
`\` . . . . . 1613, 1615, 1618, 1625  
`\` . . . . . 1618  
`\` . . 1603, 1610, 1611, 1614, 1615,  
1623, 1625  
`\` . . . . . 1608, 1609, 1613, 1620

`\` 1601, 1607, 1608, 1613, 1618, 1619  
`\` . . 1120, 1121, 1122, 1123, 1124,  
1125, 1126, 1127, 1611  
`\` . 1613, 1614, 1619, 1620, 1622,  
1623  
`\` . . . . . 1613, 1618  
`\` . . . . . 1613, 1614, 1619, 1623  
`\` . . . . . 1608, 1609  
`\` . . . . . 1613, 1615, 1620, 1625  
`@` `\` . . . . . 1602, 1606

## ⌘

`@` `\` 2310, 2311, 2312, 2313, 2314,  
2315, 2316, 2317, 2318, 2319,  
2320, 2321, 2322, 2323, 2324,  
2325, 2326, 2327, 2328, 2329,  
2330, 2331  
`@` `\` . . . . . 1602  
`\` . . . . . 1608  
`\` . . . . . 1602, 1606  
`\` . . . . . 1964, 2272  
`\` . . . . . 2186  
`\` . . . . . 1609, 1961, 1962

## ⌘

`\` . . . . . 1601  
`\` . . . . . 1604  
`\` . . . . . 1603, 1605

