



# The XePersian *Package*

Source documentation for version 25.4

to my Master, *Ferdowsi The Great*

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

<https://github.com/xepersian/xepersian/issues>

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

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

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

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

Copyright (c) 2008–2024 Vafa Khalighi  
Copyright (c) 2018–2020 bidi-tex GitHub Organization

Permission is granted to distribute and/or modify *both the documentation and the code* under the conditions of the L<sup>A</sup>T<sub>E</sub>X Project Public License, either version 1.3c of this license or (at your option) any later version.

# 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 25.4](#)

Vafa Khalighi\*

December 17, 2024

## Contents

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

---

\*Thanks to the bidi-tex GitHub organization consisted of David Carlisle and other members of the L<sup>A</sup>T<sub>E</sub>X team for maintaining the package in the period 2018–2020.

37 File kashida-xepersian.def	33	52 File refrep-xepersian.def	53
38 File listings-xepersian.def	34	53 File report-xepersian.def	53
39 File loadingorder-xepersian.def	34	54 File scrartcl-xepersian.def	53
40 File localise-xepersian.def	35	55 File scrbook-xepersian.def	54
41 File memoir-xepersian.def	37	56 File scrreprt-xepersian.def	55
42 File latex-localise-messages-xepersian.def	37	57 File soul-xepersian.def	56
43 File minitoc-xepersian.def	37	58 File tkz-linknodes-xepersian.def	57
44 File latex-localise-misc-xepersian.def	37	59 File tocloft-xepersian.def	57
45 File natbib-xepersian.def	44	60 File varioref-xepersian.def	57
46 File packages-localise-xepersian.def	48	61 File xepersian.sty	59
47 File url-xepersian.def	51	62 File xepersian-magazine.cls	86
48 File persian-tex-text.map	51	63 File xepersian-mathdigitsspec.sty	102
49 File persian-tex-text-nonnumbers.map	52	64 File xepersian-multiplechoice.sty	109
50 File rapport1-xepersian.def	52	65 File xepersian-persiancal.sty	111
51 File rapport3-xepersian.def	53		

## 1 File algorithmic-xepersian.def

```

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

```

## 2 File algorithm-xepersian.def

```

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

```

## 3 File amsart-xepersian.def

```

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

```

## 4 File amsbook-xepersian.def

```

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

```



```

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

```

## 5 File appendix-xepersian.def

```

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

```

## 6 File article-xepersian.def

```

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

```

## 7 File artikel1-xepersian.def

```

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

```

## 8 File artikel2-xepersian.def

```

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

```

## 9 File artikel3-xepersian.def



```

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

```

## 10 File backref-xepersian.def

```

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

```

## 11 File beamer-xepersian.def

```

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

```

## 12 File beamerbasetranslator-xepersian.def

```

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

```



```

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

```

### 13 File bidityftesidenote-xepersian.def

```

111 \ProvidesFile{bidityftesidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidityft
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidityftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidityftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

### 14 File bidimoderncv-xepersian.def

```

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

```

### 15 File boek3-xepersian.def

```

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

```

### 16 File boek-xepersian.def

```

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

```



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

## 17 File bookest-xepersian.def

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

## 18 File book-xepersian.def

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

## 19 File breqn-xepersian.def

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



```

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

```

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

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 21 File color-localise-xepersian.def

```

1148 color{          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1149 0}{rgb}{    }    \0,,0}
1150 1}{rgb}{    }    \1,,1}
1151 1}{rgb}{    }    \0,,0}
1152 0}{rgb}{    }    \1,,0}
1153 0}{rgb}{    }    \0,,1}

```



```

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

```

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

```

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

```





```

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

```

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

```

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

```



## 27 File extarticle-xepersian.def

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

## 28 File extbook-xepersian.def

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

## 29 File extrafootnotefeatures-xepersian.def

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

## 30 File extreport-xepersian.def

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

## 31 File fancyref-xepersian.def

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



```

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

```



```

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

```



```

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

```

## 32 File footnote-xepersian.def

```

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

```

## 33 File framed-xepersian.def





```

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

```

## 34 File glossaries-xepersian.def

```

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

```

## 35 File hyperref-xepersian.def

```

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

```



```

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

```

## 36 File `imsproc-xepersian.def`

```

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

```

## 37 File `kashida-xepersian.def`

```

1567 \ProvidesFile{kashida-xepersian.def}[2024/12/17 v0.9 implementation of Kashida for xepersian]
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@D=10 % dual-joiner class
1572 \chardef\xepersian@L=11 % lam
1573 \chardef\xepersian@R=12 % right-joiner
1574 \chardef\xepersian@A=13 % alef
1575 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578 \if@Kashida@on
1579 \xepersian@zwj
1580 \nobreak
1581 \leaders\hrule height \XeTeXglyphbounds\tw@
1582 \the\XeTeXcharglyph\xepersian@kashidachar
1583 depth \XeTeXglyphbounds\f@ur
1584 \the\XeTeXcharglyph\xepersian@kashidachar
1585 \hskip0pt plus 0.5em
1586 \xepersian@zwj
1587 \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

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

```

## 38 File listings-xepersian.def

```

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

```

## 39 File loadingorder-xepersian.def

```

1625 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the
1626 \bidi@isloaded{algorithmic}
1627 \bidi@isloaded{algorithm}
1628 \bidi@isloaded{backref}
1629 \bidi@isloaded{enumerate}
1630 \bidi@isloaded{enumitem}
1631 \bidi@isloaded{fancyref}
1632 \bidi@isloaded{tocloft}
1633 \bidi@isloaded{url}
1634 \bidi@isloaded{varioref}
1635 \AtBeginDocument{
1636 \if@bidi@algorithmicloaded@\else
1637 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after
1638 \fi%

```



```

1639 \if@bidi@algorithmloaded@else
1640   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1641 \fi%
1642 \if@bidi@backrefloaded@else
1643   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1644 \fi%
1645 \if@bidi@enumerateloaded@else
1646   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1647 \fi%
1648 \if@bidi@enumitemloaded@else
1649   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1650 \fi%
1651 \if@bidi@fancyrefloaded@else
1652   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1653 \fi%
1654 \if@bidi@tocloftloaded@else
1655   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1656 \fi%
1657 \if@bidi@urlloaded@else
1658   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1659 \fi%
1660 \if@bidi@variorefloaded@else
1661   \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1662 \fi%
1663 }

```

## 40 File localise-xepersian.def

```

1664 \ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
1665 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1666 \makezwnjletter
1667 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1668 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1669 \if@bidi@csdef{verbatim@}{\let\verbatim@=\xepersian@localize@verbatim@}{\csname#2\endcsname}
1670 \newcommand*{\EqEnvironment}[2]{%
1671 \expandafter\let\csname#1\endcsname\expandafter\endcsname\csname#2\endcsname
1672 \expandafter\let\csname#1\endcsname\expandafter\endcsname\csname#2\endcsname
1673 }
1674 \@ifpackageloaded{keyval}{%
1675 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1676 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1677 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1678 }{\@ifpackageloaded{xkeyval}{%
1679 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1680 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1681 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1682 }{}}
1683 \input{latex-localise-commands-xepersian.def}
1684 \input{xepersian-localise-commands-xepersian.def}
1685 \input{latex-localise-environments-xepersian.def}
1686 \input{xepersian-localise-environments-xepersian.def}
1687 \input{latex-localise-messages-xepersian.def}
1688 \input{latex-localise-misc-xepersian.def}
1689 \input{packages-localise-xepersian.def}

```



```

1690 \aliasfontfeature{ExternalLocation}{    }
1691 \aliasfontfeature{Path}{    }
1692 \aliasfontfeature{Renderer}{    }
1693 \aliasfontfeature{BoldFont}{    }
1694 \aliasfontfeature{Language}{    }
1695 \aliasfontfeature{Script}{    }
1696 \aliasfontfeature{UprightFont}{    }
1697 \aliasfontfeature{ItalicFont}{    }
1698 \aliasfontfeature{BoldItalicFont}{    }
1699 \aliasfontfeature{SlantedFont}{    }
1700 \aliasfontfeature{BoldSlantedFont}{    }
1701 \aliasfontfeature{SmallCapsFont}{    }
1702 \aliasfontfeature{UprightFeatures}{    }
1703 \aliasfontfeature{BoldFeatures}{    }
1704 \aliasfontfeature{ItalicFeatures}{    }
1705 \aliasfontfeature{BoldItalicFeatures}{    }
1706 \aliasfontfeature{SlantedFeatures}{    }
1707 \aliasfontfeature{BoldSlantedFeatures}{    }
1708 \aliasfontfeature{SmallCapsFeatures}{    }
1709 \aliasfontfeature{SizeFeatures}{    }
1710 \aliasfontfeature{Scale}{    }
1711 \aliasfontfeature{WordSpace}{    }
1712 \aliasfontfeature{PunctuationSpace}{    }
1713 \aliasfontfeature{FontAdjustment}{    }
1714 \aliasfontfeature{LetterSpace}{    }
1715 \aliasfontfeature{HyphenChar}{    }
1716 \aliasfontfeature{Color}{    }
1717 \aliasfontfeature{Opacity}{    }
1718 \aliasfontfeature{Mapping}{    }
1719 \aliasfontfeature{Weight}{    }
1720 \aliasfontfeature{Width}{    }
1721 \aliasfontfeature{OpticalSize}{    }
1722 \aliasfontfeature{FakeSlant}{    }
1723 \aliasfontfeature{FakeStretch}{    }
1724 \aliasfontfeature{FakeBold}{    }
1725 \aliasfontfeature{AutoFakeSlant}{    }
1726 \aliasfontfeature{AutoFakeBold}{    }
1727 \aliasfontfeature{Ligatures}{    }
1728 \aliasfontfeature{Alternate}{    }
1729 \aliasfontfeature{Variant}{    }
1730 \aliasfontfeature{Variant}{    }
1731 \aliasfontfeature{CharacterVariant}{    }
1732 \aliasfontfeature{Style}{    }
1733 \aliasfontfeature{Annotation}{    }
1734 \aliasfontfeature{RawFeature}{    }
1735 \aliasfontfeature{CharacterWidth}{    }
1736 \aliasfontfeature{Numbers}{    }
1737 \aliasfontfeature{Contextuals}{    }
1738 \aliasfontfeature{Diacritics}{    }
1739 \aliasfontfeature{Letters}{    }
1740 \aliasfontfeature{Kerning}{    }
1741 \aliasfontfeature{VerticalPosition}{    }
1742 \aliasfontfeature{Fractions}{    }
1743 \aliasfontfeatureoption{Language}{Default}{    }

```



```

1744 \aliasfontfeatureoption{Language}{Persian}{ }
1745 \aliasfontfeatureoption{Script}{Persian}{ }
1746 \aliasfontfeatureoption{Script}{Latin}{ }
1747 \aliasfontfeatureoption{Style}{MathScript}{ }
1748 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 41 File memoir-xepersian.def

```

1749 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1750 \renewcommand{\@memfront}{%
1751   \@smemfront\pagenumbering{harfi}}
1752 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1753 \renewcommand*{\thebook}{\@tartibi@c@book}
1754 \renewcommand*{\thepart}{\@tartibi@c@part}
1755 \renewcommand{\appendix}{\par
1756   \setcounter{chapter}{0}%
1757   \setcounter{section}{0}%
1758   \gdef\@chapapp{\appendixname}%
1759   \gdef\thechapter{\@harfi@c@chapter}%
1760   \anappendixtrue}

```

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

```

1761 latex} \-localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages

```

## 43 File minitoc-xepersian.def

```

1762 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1763 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1764 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1765 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1766 \def\mtctitle{\if@RTL else\ Contents\fi}%
1767 \def\mlftitle{\if@RTL else\ Figures\fi}%
1768 \def\mltttitle{\if@RTL else\ Tables\fi}%
1769 \def\stctitle{\if@RTL else\ Contents\fi}%
1770 \def\slftitle{\if@RTL else\ Figures\fi}%
1771 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

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

```

1772 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian local
1773 %}1# \ \
1774 \@ \ @ \ \
1775 \1# \
1776 \1# @\
1777 \1# @\
1778 { @ \ \
1779 %}2#1# @\ \
1780 %1# \ @\ \ \ \
1781 \2# \ @\ \
1782 {{2#1# \}}
1783 undefined\ \ \
1784
1785 %{ \ \ \ \1# \ \ \

```



```

1786 \ { \ \ \
1787 \ \ \
1788
1789
1790 \ \ \ %} \#1
1791 \1#} \ \ % \
1792 \ \ \
1793 }%
1794 \
1795 \ \ \
1796 }
1797 \= \ \
1798
1799
1800 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1801 \def\@xfloat #1[#2]{%
1802 \@nodocument
1803 \def \@capttype {#1}%
1804 \def \@fps {#2}%
1805 \@onelevel@sanitize \@fps
1806 \def \reserved@a {!}%
1807 \ifx \reserved@a \@fps
1808 \@fpsadddefault
1809 \else
1810 \ifx \@fps \@empty
1811 \@fpsadddefault
1812 \fi
1813 \fi
1814 \ifhmode
1815 \@bsphack
1816 \@floatpenalty -\@Mii
1817 \else
1818 \@floatpenalty-\@Miii
1819 \fi
1820 \ifinner
1821 \@parmoderr\@floatpenalty\z@
1822 \else
1823 \@next\@currbox\@freelist
1824 {%
1825 \@tempcnta \sixt@@n
1826 \expandafter \@tfor \expandafter \reserved@a
1827 \expandafter :\expandafter =\@fps
1828 \do
1829 {%
1830 \if \reserved@a h%
1831 \ifodd \@tempcnta
1832 \else
1833 \advance \@tempcnta \@ne
1834 \fi
1835 \fi
1836 \if \reserved@a %
1837 \ifodd \@tempcnta
1838 \else
1839 \advance \@tempcnta \@ne

```



```

1840         \fi
1841     \fi
1842     \if \reserved@a t%
1843         \@setfpsbit \tw@
1844     \fi
1845     \if \reserved@a %
1846         \@setfpsbit \tw@
1847     \fi
1848     \if \reserved@a b%
1849         \@setfpsbit 4%
1850     \fi
1851     \if \reserved@a %
1852         \@setfpsbit 4%
1853     \fi
1854     \if \reserved@a p%
1855         \@setfpsbit 8%
1856     \fi
1857     \if \reserved@a %
1858         \@setfpsbit 8%
1859     \fi
1860     \if \reserved@a !%
1861         \ifnum \@tempcnta>15
1862             \advance\@tempcnta -\sixt@@n\relax
1863         \fi
1864     \fi
1865     }%
1866     \@tempcntb \csname ftype@\@capttype \endcsname
1867     \multiply \@tempcntb \@xxxii
1868     \advance \@tempcnta \@tempcntb
1869     \global \count\@currbox \@tempcnta
1870     }%
1871     \@fltovf
1872 \fi
1873 \global \setbox\@currbox
1874     \color@vbox
1875     \normalcolor
1876     \vbox \bgroup
1877         \hsize\columnwidth
1878         \@parboxrestore
1879     \@floatboxreset
1880 }
1881 \let\bm@ \bm@c
1882 \let\bm@ \bm@l
1883 \let\bm@ \bm@r
1884 \let\bm@ \bm@b
1885 \let\bm@ \bm@t
1886 \let\bm@ \bm@s
1887 \long\def\@iiiparbox#1#2[#3]#4#5{%
1888     \leavevmode
1889     \@pboxswfalse
1890     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1891     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1892     \setlength\@tempdima{#4}%
1893     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%

```





```

1894 \ifx\relax#2\else
1895 \setlength\@tempdimb{#2}%
1896 \edef\@parboxto{to\the\@tempdimb}%
1897 \fi
1898 \if#1b\vbox
1899 \else\if#1\vbox
1900 \else\if #1\top
1901 \else\if vtop\ #1
1902 \else\ifmode\vcenter
1903 \else\@pboxswtrue $\vcenter
1904 \fi\fi\fi\fi\fi
1905 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1906 \csname bm@#3\endcsname}%
1907 \if@pboxsw \m@th$\fi
1908 \@end@tempboxa}
1909 \def\@iiiminipage#1#2[#3]#4{%
1910 \leavevmode
1911 \@pboxswfalse
1912 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1913 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
1914 \setlength\@tempdima{#4}%
1915 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1916 \setbox\@tempboxa\vbox\bgroup
1917 \color@begingroup
1918 \hsize\@tempdima
1919 \textwidth\hsize \columnwidth\hsize
1920 \@parboxrestore
1921 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1922 \let\@footnotetext\@mpfootnotetext
1923 \let\@LTRfootnotetext\@mpLTRfootnotetext
1924 \let\@RTLfootnotetext\@mpRTLfootnotetext
1925 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1926 \@minipagerestore
1927 \setminipage}
1928 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1929 \ifnum \@lastchclass=3 5 \else
1930 \z@ \if #1c\@chnum \z@ \else
1931 \if chnum@\ #1 \z@ \else
1932 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1933 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1934 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1935 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1936 \@chclass \if #1\@ne \else
1937 \if #1\@tw@ \else
1938 \if #1p3 \else
1939 \if 3 #1 \else \z@ \@preamerr 0\fi
1940 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1941 \fi}%
1942 }{}
1943 \@ifdefinitionfileloaded{array-xetex-bidi}{%
1944 \def\@testpach{\@chclass
1945 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1946 \ifnum \@lastchclass=7 5 \else
1947 \ifnum \@lastchclass=8 \tw@ \else

```



```

1948 \ifnum \@lastchclass=9 \thr@@
1949 \else \z@
1950 \ifnum \@lastchclass = 10 \else
1951 \edef\@nextchar{\expandafter\string\@nextchar}%
1952 \@chnum
1953 \if \@nextchar c\z@ \else
1954 \if \@nextchar @z\ \else
1955 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1956 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1957 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1958 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1959 \z@ \@chclass
1960 \if\@nextchar |\@ne \else
1961 \if \@nextchar !6 \else
1962 \if \@nextchar @7 \else
1963 \if \@nextchar <8 \else
1964 \if \@nextchar >9 \else
1965 10
1966 \@chnum
1967 \if \@nextchar m\thr@@\else
1968 \if \@nextchar thr@@\else\
1969 \if \@nextchar p4 \else
1970 \if \@nextchar 4 \else
1971 \if \@nextchar b5 \else
1972 \if \@nextchar 5 \else
1973 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1974 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1975 }{}
1976 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1977 \ifadl@usingarypkg
1978 \def\@testpach{\@chclass
1979 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1980 \ifnum \@lastchclass=7 5 \else
1981 \ifnum \@lastchclass=8 \tw@ \else
1982 \ifnum \@lastchclass=9 \thr@@
1983 \else \z@
1984 \ifnum \@lastchclass = 10 \else
1985 \edef\@nextchar{\expandafter\string\@nextchar}%
1986 \@chnum
1987 \if \@nextchar c\z@ \else
1988 \if \@nextchar @z\ \else
1989 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1990 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1991 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1992 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1993 \z@ \@chclass
1994 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1995 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1996 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1997 \if \@nextchar !6 \else
1998 \if \@nextchar @7 \else
1999 \if \@nextchar <8 \else
2000 \if \@nextchar >9 \else
2001 10

```



```

2002 \@chnum
2003 \if \@nextchar m\thr@@\else
2004 \if \@nextchar thr@@\else\
2005 \if \@nextchar p4 \else
2006 \if \@nextchar 4 \else
2007 \if \@nextchar b5 \else
2008 \if \@nextchar 5 \else
2009 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
2010 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2011
2012 \def\@classz{\@classx
2013 \@tempcnta \count@
2014 \prepnext@tok
2015 \@addtopreamble{\ifcase \@chnum
2016 \hfil
2017 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2018 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2019 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2020 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2021 \adl@endmbox\or
2022 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2023 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2024 \fi}\prepnext@tok}
2025 \def\adl@class@start{4}
2026 \def\adl@class@iiiorvii{7}
2027
2028 \else
2029 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2030 \ifnum \@lastchclass=\thr@@ 5\relax \else
2031 \z@ \if #1c\@chnum \z@ \else
2032 \if @chnum\z@\ #1 \else
2033 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2034 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2035 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2036 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2037 \@chclass
2038 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2039 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2040 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2041 \if #1@tw@ \else
2042 \if #1p\thr@@ \else
2043 \if @thr\ #1 \else\z@ \@preamerr 0\fi
2044 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2045
2046 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2047 \or \or \@addamp \or
2048 \@acolampacol \or \@firstampfalse \@acol \fi
2049 \edef\@preamble{\@preamble
2050 \ifcase \@chnum
2051 \hfil\adl@putlrc{\$}\relax\@sharp$\hfil
2052 \or \adl@putlrc{\$}\relax\@sharp$\hfil
2053 \or \hfil\adl@putlrc{\$}\relax\@sharp$\fi}}
2054 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2055 \or \or \@addamp \or

```



```

2056 \acolampacol \or \@firstamfalse \@acol \fi
2057 \edef\@preamble{\@preamble
2058 \ifcase \@chnum
2059 \hfил\adl@putlrc{\@sharp\unskip}\hfил
2060 \or \adl@putlrc{\@sharp\unskip}\hfил
2061 \or \hfил\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2062 \def\adl@classstart{6}
2063 \def\adl@classiiiorviii{3}
2064 \fi
2065 }{}
2066 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2067 \def\@testpach{\@chclass
2068 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2069 \ifnum \@lastchclass=7 5 \else
2070 \ifnum \@lastchclass=8 \tw@ \else
2071 \ifnum \@lastchclass=9 \thr@@
2072 \else \z@
2073 \ifnum \@lastchclass = 10 \else
2074 \edef\@nextchar{\expandafter\string\@nextchar}%
2075 \@chnum
2076 \if \@nextchar c\z@ \else
2077 \if \@nextchar @z\ \else
2078 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2079 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2080 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2081 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2082 \if \@nextchar C7 \else
2083 \if \@nextchar 7 \else
2084 \if \@nextchar L8 \else
2085 \if \@nextchar 8 \else
2086 \if \@nextchar R9 \else
2087 \if \@nextchar 9 \else
2088 \if \@nextchar J10 \else
2089 \if \@nextchar 10 \else
2090 \z@ \@chclass
2091 \if \@nextchar |\@ne \else
2092 \if \@nextchar !6 \else
2093 \if \@nextchar @7 \else
2094 \if \@nextchar <8 \else
2095 \if \@nextchar >9 \else
2096 10
2097 \@chnum
2098 \if \@nextchar m\thr@@\else
2099 \if \@nextchar thr@@\else\
2100 \if \@nextchar p4 \else
2101 \if \@nextchar4 \else
2102 \if \@nextchar b5 \else
2103 \if \@nextchar 5 \else
2104 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi \fi \fi \fi \fi \fi \fi \fi
2105 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2106 }{}
2107 \ifdefinitionfileloaded{float-xetex-bidi}{%
2108 \let\@float@Hx\@xfloat
2109 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}}]{\@ifnextchar{ }\@float@{1#} []}{\@float@Hx{

```

```

2110 \def\@float@HH#1[H]{%
2111   \expandafter\let\csname end#1\endcsname\float@endH
2112   \let\@currbox\float@box
2113   \def\@capytype{#1}\setbox\@floatcapt=\vbox{}%
2114   \expandafter\ifx\csname fst#1\endcsname\relax
2115     \@flstylefalse\else\@flstyletrue\fi
2116   \setbox\@currbox\color@vbox\normalcolor
2117     \vbox\bgroup \hsize\columnwidth \@parboxrestore
2118     \@floatboxreset \@setnobreak
2119   \ignorespaces}
2120 \def\@float@[ ]1# {%
2121   \expandafter\let\csname end#1\endcsname\float@endH
2122   \let\@currbox\float@box
2123   \def\@capytype{#1}\setbox\@floatcapt=\vbox{}%
2124   \expandafter\ifx\csname fst#1\endcsname\relax
2125     \@flstylefalse\else\@flstyletrue\fi
2126   \setbox\@currbox\color@vbox\normalcolor
2127     \vbox\bgroup \hsize\columnwidth \@parboxrestore
2128     \@floatboxreset \@setnobreak
2129   \ignorespaces}
2130 }{}
2131 \begingroup \catcode `|=0 \catcode `[= 1
2132 \catcode `]=2 \catcode `\.=12 \catcode `\.=12
2133 \catcode `\\=12 \gdef\@x@xepersian@localize@verbatim#1\[[ [ ] |1#]{ }
2134 \gdef\@sx@xepersian@localize@verbatim#1\[[ [* ] |1#]{* }
2135 \endgroup
2136 \def\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2137 \def\end \if@newlist \leavevmode\fi\endtrivlist}
2138 \ExplSyntaxOn
2139 \AtBeginDocument{\@namedef{ }*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@localize@verbatim}
2140 \ExplSyntaxOff
2141 \expandafter\let\csname end * \endcsname =\end

```

## 45 File natbib-xepersian.def

```

2142 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2143 \renewcommand\NAT@set@cites{%
2144   \ifNAT@numbers
2145     \ifNAT@super \let\@cite\NAT@citesuper
2146     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2147     \let\citeyearpar=\citeyear
2148     \let\NAT@space\relax
2149     \def\NAT@super@kern{\kern\p@}%
2150   \else
2151     \let\NAT@mbox=\mbox
2152     \let\@cite\NAT@citenum
2153     \let\NAT@space\NAT@spacechar
2154     \let\NAT@super@kern\relax
2155   \fi
2156   \let\@citex\NAT@citexnum
2157   \let\@Latincitex\NAT@Latin@citexnum
2158   \let\@biblabel\NAT@biblabelnum
2159   \let\@bibsetup\NAT@bibsetnum
2160   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%

```



```

2161 \def\natexlab##1{}%
2162 \def\NAT@penalty{\penalty\@m}%
2163 \else
2164 \let\@cite\NAT@cite
2165 \let\@citex\NAT@citex
2166 \let\@Latincitex\NAT@Latin@citex
2167 \let\@biblabel\NAT@biblabel
2168 \let\@bibsetup\NAT@bibsetup
2169 \let\NAT@space\NAT@spacechar
2170 \let\NAT@penalty\@empty
2171 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2172 \def\natexlab##1{##1}%
2173 \fi}
2174 \newcommand\NAT@Latin@citex{}
2175 \def\NAT@Latin@citex%
2176 [#1][#2]#3{%
2177 \NAT@reset@parser
2178 \NAT@sort@cites{#3}%
2179 \NAT@reset@citea
2180 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2181 \for\@citeb:=\NAT@cite@list\do
2182 {\@safe@activestrue
2183 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2184 \@safe@activesfalse
2185 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2186 {\reset@font\bfseries ?}\NAT@citeundefined
2187 \PackageWarning{natbib}%
2188 {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2189 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2190 \NAT@parse{\@citeb}%
2191 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2192 \let\NAT@name=\NAT@all@names
2193 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2194 \fi
2195 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2196 \let\NAT@nm\NAT@name\fi
2197 \ifNAT@swa\ifcase\NAT@ctype
2198 \if\relax\NAT@date\relax
2199 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2200 \else
2201 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2202 \ifx\NAT@last@yr\NAT@year
2203 \def\NAT@temp{?}%
2204 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2205 {Multiple citation on page \thepage: same authors and
2206 year\MessageBreak without distinguishing extra
2207 letter,\MessageBreak appears as question mark}\fi
2208 \NAT@hyper@{\NAT@exlab}%
2209 \else\unskip\NAT@spacechar
2210 \NAT@hyper@{\NAT@date}%
2211 \fi
2212 \else
2213 \@citea\NAT@hyper@{%
2214 \NAT@nmfmt{\NAT@nm}%

```



```

2215         \hyper@natlinkbreak{%
2216         \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2217         }%
2218         \NAT@date
2219     }%
2220 \fi
2221 \fi
2222 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2223 \or\@citea\NAT@hyper@{\NAT@date}%
2224 \or\@citea\NAT@hyper@{\NAT@alias}%
2225 \fi \NAT@def@citea
2226 \else
2227     \ifcase\NAT@ctype
2228     \if\relax\NAT@date\relax
2229         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2230     \else
2231         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2232             \ifx\NAT@last@yr\NAT@year
2233                 \def\NAT@temp{{?}}%
2234                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2235                 {Multiple citation on page \thepage: same authors and
2236                 year\MessageBreak without distinguishing extra
2237                 letter,\MessageBreak appears as question mark}\fi
2238                 \NAT@hyper@{\NAT@exlab}%
2239             \else
2240                 \unskip\NAT@spacechar
2241                 \NAT@hyper@{\NAT@date}%
2242             \fi
2243         \else
2244             \@citea\NAT@hyper@{%
2245             \NAT@nmfmt{\NAT@nm}%
2246             \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2247             {\@citeb\@extra@b@citeb}%
2248             \NAT@date
2249         }%
2250     \fi
2251 \fi
2252 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2253 \or\@citea\NAT@hyper@{\NAT@date}%
2254 \or\@citea\NAT@hyper@{\NAT@alias}%
2255 \fi
2256 \if\relax\NAT@date\relax
2257     \NAT@def@citea
2258 \else
2259     \NAT@def@citea@close
2260 \fi
2261 \fi
2262 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2263 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2264 \newcommand\NAT@Latin@citexnum{}
2265 \def\NAT@Latin@citexnum[#1][#2]#3{%
2266     \NAT@reset@parser
2267     \NAT@sort@cites{#3}%
2268     \NAT@reset@citea

```



```

2269 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2270 \for\@citeb:=\NAT@cite@list\do
2271 {\@safe@activetrue
2272 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2273 \@safe@activesfalse
2274 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2275 {\reset@font\bfseries?}
2276 \NAT@citeundefined\PackageWarning{natbib}%
2277 {Citation ``\@citeb' on page \thepage \space undefined}}%
2278 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2279 \NAT@parse{\@citeb}%
2280 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2281 \let\NAT@name=\NAT@all@names
2282 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2283 \fi
2284 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2285 \let\NAT@nm\NAT@name\fi
2286 \ifNAT@swa
2287 \@ifnum{\NAT@ctype>\@ne}{%
2288 \@citea
2289 \NAT@hyper{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2290 }{%
2291 \@ifnum{\NAT@cmprs>\z@}{%
2292 \NAT@ifcat@num\NAT@num
2293 {\let\NAT@nm=\NAT@num}%
2294 {\def\NAT@nm{-2}}%
2295 \NAT@ifcat@num\NAT@last@num
2296 {\@tempcnta=\NAT@last@num\relax}%
2297 {\@tempcnta@m@ne}%
2298 \@ifnum{\NAT@nm=\@tempcnta}{%
2299 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2300 }{%
2301 \advance\@tempcnta by\@ne
2302 \@ifnum{\NAT@nm=\@tempcnta}{%
2303 \ifx\NAT@last@yr\relax
2304 \def\NAT@last@yr{\@citea}%
2305 \else
2306 \def\NAT@last@yr{--\NAT@penalty}%
2307 \fi
2308 }{%
2309 \NAT@last@yr@mbox
2310 }%
2311 }%
2312 }{%
2313 \@tempswatrue
2314 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}%
2315 \if@tempswa\NAT@citea@mbox\fi
2316 }%
2317 }%
2318 \NAT@def@citea
2319 \else
2320 \ifcase\NAT@ctype
2321 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2322 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super{kern}\NAT@@open}%

```





```

2323         \fi
2324         \if*#1*\else#1\NAT@spacechar\fi
2325         \NAT@mbox{\NAT@hyper@{\{\citenumfont{\NAT@num}}}\}%
2326         \NAT@def@citea@box
2327     \or
2328         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}\}%
2329     \or
2330         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}\}%
2331     \or
2332         \NAT@hyper@citea@space\NAT@alias
2333     \fi
2334 \fi
2335 }%
2336 }%
2337 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2338 \ifNAT@swa\else
2339     \@ifnum{\NAT@ctype=\z@}{%
2340         \if*#2*\else\NAT@cmt#2\fi
2341     }{%
2342         \NAT@mbox{\NAT@@close}%
2343     \fi
2344 }{\#1}{\#2}%
2345 }%
2346 \AtBeginDocument{\NAT@set@cites}
2347 \DeclareRobustCommand\Latincite
2348     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2349     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2350 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2351     \ifNAT@numbers\else
2352     \NAT@swafalse
2353     \fi
2354     \NAT@@Latin@@citetp[]}}
2355 \newcommand\NAT@@Latin@@citetp{}
2356 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 46 File packages-localise-xepersian.def

```

2357 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2358 color} \}{color} @\-localise-xepersian.def}}{}
2359 \@ifpackageloaded{multicol}{%
2360 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2361 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2362 }{}
2363 \@ifpackageloaded{verbatim}{%
2364 \begingroup
2365 \vrb@catcodes
2366 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}
2367 \catcode`\~=\active \lccode`\~=\^M
2368 \lccode`\C=`C
2369 \lowercase{\endgroup
2370 \def\xepersian@localize@verbatim@start#1{%
2371     \verbatim@startline
2372     \ifnoexpand#1\noexpand~%
2373     \let\next\xepersian@localize@verbatim@

```



```

2374 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2375 \next}%
2376 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2377 \def\xepersian@localize@verbatim@@#1! {%
2378 \verbatim@addtoline{#1}%
2379 \futurelet\next\xepersian@localize@verbatim@@}%
2380 \def\xepersian@localize@verbatim@@@#1\@nil{%
2381 \ifx\next\@nil
2382 \verbatim@processline
2383 \verbatim@startline
2384 \let\next\xepersian@localize@verbatim@
2385 \else
2386 \def\@tempa##1! \@nil{##1}%
2387 \@temptokena{! }%
2388 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2389 \fi \next}%
2390 \def\xepersian@localize@verbatim@test#1{%
2391 \let\next\xepersian@localize@verbatim@test
2392 \if\noexpand#1\noexpand~%
2393 \expandafter\verbatim@addtoline
2394 \expandafter{\the\@temptokena}%
2395 \verbatim@processline
2396 \verbatim@startline
2397 \let\next\xepersian@localize@verbatim@
2398 \else \if\noexpand#1
2399 \@temptokena\expandafter{\the\@temptokena#1}%
2400 \else \if\noexpand#1\noexpand[%
2401 \let\@tempc\@empty
2402 \let\next\xepersian@localize@verbatim@testend
2403 \else
2404 \expandafter\verbatim@addtoline
2405 \expandafter{\the\@temptokena}%
2406 \def\next{\xepersian@localize@verbatim@#1}%
2407 \fi\fi\fi
2408 \next}%
2409 \def\xepersian@localize@verbatim@testend#1{%
2410 \if\noexpand#1\noexpand~%
2411 \expandafter\verbatim@addtoline
2412 \expandafter{\the\@temptokena}%
2413 \expandafter\verbatim@addtoline
2414 \expandafter{\@tempc}%
2415 \verbatim@processline
2416 \verbatim@startline
2417 \let\next\xepersian@localize@verbatim@
2418 \else\if\noexpand#1\noexpand[%
2419 \let\next\xepersian@localize@verbatim@@testend
2420 \else\if\noexpand#1\noexpand!%
2421 \expandafter\verbatim@addtoline
2422 \expandafter{\the\@temptokena}%
2423 \expandafter\verbatim@addtoline
2424 \expandafter{\@tempc}%
2425 \def\next{\xepersian@localize@verbatim@!}%
2426 \else \expandafter\def\expandafter\@tempc\expandafter
2427 {\@tempc#1}\fi\fi\fi

```



```

2428         \next}%
2429     \def\xepersian@localize@verbatim@@testend{%
2430         \ifx\@tempc\@currenvir
2431             \verbatim@finish
2432             \edef\next{\noexpand\end{\@currenvir}}%
2433             \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2434     \else
2435         \expandafter\verbatim@addtoline
2436         \expandafter{\the\@temptokena}%
2437         \expandafter\verbatim@addtoline
2438         \expandafter{\@tempc}}%
2439     \let\next\xepersian@localize@verbatim@
2440 \fi
2441 \next}%
2442 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2443     \@warning{Characters dropped after `~\string\end{#1}'}\fi}}%
2444 \def\
2445     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2446     \xepersian@localize@verbatim@start}
2447 \@namedef{
2448     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2449 \def\end
2450     {\endtrivlist\endgroup\@doendpe}
2451 \expandafter\let\csname end
2452     *\endcsname =\end
2453 }{}
2454 \ExplSyntaxOn
2455 \AtBeginDocument{
2456     \xepersian_localize_patch_verbatim:
2457 }
2458 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2459     \ifpackageloaded{verbatim}{
2460         \cs_set:cpn {*
2461             } }
2462         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2463     }{
2464     }
2465 }
2466 \ExplSyntaxOff
2467 \ifpackageloaded{graphicx}{%
2468 \def\Gin@boolkey#1#2{%
2469 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2470 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2471 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2472 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2473 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2474 \define@key{Grot}{origin}[c]{%
2475 \@tfor\@tempa:=#1\do{%
2476 \if l\@tempa \Grot@x\z@\else
2477 \if tempa@ \Grot@x\z@\else
2478 \if r\@tempa \Grot@x\width\else
2479 \if tempa@ \Grot@x\width\else
2480 \if t\@tempa \Grot@y\height\else
2481 \if tempa@ \Grot@y\height\else
2482 \if b\@tempa \Grot@y-\depth\else
2483 \if tempa@ \Grot@y-\depth\else
2484 \if B\@tempa \Grot@y\z@\else
2485 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}

```



```

2482 {draft}{ }{Gin} @ \
2483 {origin}{ }{Gin} @ \
2484 {origin}{ }{Grot} @ \
2485 {clip}{ }{Gin} @ \
2486 {keepaspectratio}{ }{Gin} @ \
2487 {natwidth}{ }{Gin} @ \
2488 {natheight}{ }{Gin} @ \
2489 {bb}{ }{Gin} @ \
2490 {viewport}{ }{Gin} @ \
2491 {trim}{ }{Gin} @ \
2492 {angle}{ }{Gin} @ \
2493 {width}{ }{Gin} @ \
2494 {height}{ }{Gin} @ \
2495 {totalheight}{ }{Gin} @ \
2496 {scale}{ }{Gin} @ \
2497 {type}{ }{Gin} @ \
2498 {ext}{ }{Gin} @ \
2499 {read}{ }{Gin} @ \
2500 {command}{ }{Gin} @ \
2501 {x}{ }{Grot} @ \
2502 {y}{ }{Grot} @ \
2503 {units}{ }{Grot} @ \
2504 {}{}

```

## 47 File url-xepersian.def

```

2505 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2506 \begingroup
2507 \lccode`+=`\% \lccode`~=\%
2508 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2509   \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2510 \endgroup%

```

## 48 File persian-tex-text.map

```

2511 LHSName "persian-TeX-text"
2512 RHSName "Unicode"
2513
2514 pass(Unicode)
2515 U+0030 <> U+06F0 ;
2516 U+0031 <> U+06F1 ;
2517 U+0032 <> U+06F2 ;
2518 U+0033 <> U+06F3 ;
2519 U+0034 <> U+06F4 ;
2520 U+0035 <> U+06F5 ;
2521 U+0036 <> U+06F6 ;
2522 U+0037 <> U+06F7 ;
2523 U+0038 <> U+06F8 ;
2524 U+0039 <> U+06F9 ;
2525
2526
2527 U+002C <> U+060C ; comma > arabic comma
2528 U+003F <> U+061F ; question mark -> arabic qm
2529 U+003B <> U+061B ; semicolon -> arabic semicolon

```



```

2530
2531 ; ligatures from Knuth's original CMR fonts
2532 U+002D U+002D <> U+2013 ; -- -> en dash
2533 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2534
2535 U+0027 <> U+2019 ; ' -> right single quote
2536 U+0027 U+0027 <> U+201D ; '' -> right double quote
2537 U+0022 > U+201D ; " -> right double quote
2538
2539 U+0060 <> U+2018 ; ` -> left single quote
2540 U+0060 U+0060 <> U+201C ; `` -> left double quote
2541
2542 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2543 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2544
2545 ; additions supported in T1 encoding
2546 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2547 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2548 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

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

```

2549 LHSName "persian-TeX-text-nonumbers"
2550 RHSName "Unicode"
2551
2552 pass(Unicode)
2553 U+002C <> U+060C ; comma > arabic comma
2554 U+003F <> U+061F ; question mark -> arabic qm
2555 U+003B <> U+061B ; semicolon -> arabic semicolon
2556
2557 ; ligatures from Knuth's original CMR fonts
2558 U+002D U+002D <> U+2013 ; -- -> en dash
2559 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2560
2561 U+0027 <> U+2019 ; ' -> right single quote
2562 U+0027 U+0027 <> U+201D ; '' -> right double quote
2563 U+0022 > U+201D ; " -> right double quote
2564
2565 U+0060 <> U+2018 ; ` -> left single quote
2566 U+0060 U+0060 <> U+201C ; `` -> left double quote
2567
2568 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2569 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2570
2571 ; additions supported in T1 encoding
2572 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2573 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2574 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 50 File rapport1-xepersian.def

```

2575 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2576 \renewcommand*\thepart{\@tartibi\c@part}
2577 \renewcommand*\appendix{\par

```



```

2578 \setcounter{chapter}{0}%
2579 \setcounter{section}{0}%
2580 \gdef\@chapapp{\appendixname}%
2581 \gdef\thechapter{\@harfi\c@chapter}}

```

## 51 File rapport3-xepersian.def

```

2582 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2583 \renewcommand*\thepart{\@tartibi\c@part}
2584 \renewcommand*\appendix{\par
2585 \setcounter{chapter}{0}%
2586 \setcounter{section}{0}%
2587 \gdef\@chapapp{\appendixname}%
2588 \gdef\thechapter{\@harfi\c@chapter}}

```

## 52 File refrep-xepersian.def

```

2589 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2590 \renewcommand \thepart {\@tartibi\c@part}
2591 \renewcommand\appendix{\par
2592 \setcounter{chapter}{0}%
2593 \setcounter{section}{0}%
2594 \gdef\@chapapp{\appendixname}%
2595 \gdef\thechapter{\@harfi\c@chapter}
2596 }%end appendix

```

## 53 File report-xepersian.def

```

2597 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2598 \renewcommand \thepart {\@tartibi\c@part}
2599 \renewcommand\appendix{\par
2600 \setcounter{chapter}{0}%
2601 \setcounter{section}{0}%
2602 \gdef\@chapapp{\appendixname}%
2603 \gdef\thechapter{\@harfi\c@chapter}
2604 }%end appendix

```

## 54 File scrartcl-xepersian.def

```

2605 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2606 \renewcommand*\thepart{\@tartibi\c@part}
2607 \renewcommand*\appendix{%
2608 \Ifstr{\@currenvir}{appendix}{%
2609 \ClassWarning{\KOMAClassName}{%
2610 You are using
2611 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2612 You should note, that \string\appendix' is a mostly
2613 globally\MessageBreak
2614 working command not an enviroment with only local\MessageBreak
2615 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2616 switch back to normal section numbering nor finish\MessageBreak
2617 every other effect of \string\begin{appendix}'.\MessageBreak
2618 Nevertheless, some effects may end with\MessageBreak
2619 \string\end{appendix}' and the document may become\MessageBreak

```



```

2620      inconsistent.\MessageBreak
2621      Because of this, you should remove `\'string\end{appendix}'\MessageBreak
2622      and replace `\'string\begin{appendix}' by command\MessageBreak
2623      `\'string\appendix'%
2624    }%
2625  }{}%
2626  \par
2627  \setcounter{section}{0}%
2628  \setcounter{subsection}{0}%
2629  \gdef\thesection{\@harfi\c@section}%
2630 }
2631 \IfLTXAtLeastTF{2020/10/01}{%
2632   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2633 }{}
2634 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2635 \renewcommand*{\@@maybeautodot}[1]{%
2636   \ifx #1\@stop\let\@@maybeautodot\relax
2637   \else
2638     \ifx #1\harfi \@autodottrue\fi
2639     \ifx #1\adadi \@autodottrue\fi
2640     \ifx #1\tartibi \@autodottrue\fi
2641     \ifx #1\Alph \@autodottrue\fi
2642     \ifx #1\alph \@autodottrue\fi
2643     \ifx #1\Roman \@autodottrue\fi
2644     \ifx #1\roman \@autodottrue\fi
2645     \ifx #1\@harfi \@autodottrue\fi
2646     \ifx #1\@adadi \@autodottrue\fi
2647     \ifx #1\@tartibi \@autodottrue\fi
2648     \ifx #1\@Alph \@autodottrue\fi
2649     \ifx #1\@alph \@autodottrue\fi
2650     \ifx #1\@Roman \@autodottrue\fi
2651     \ifx #1\@roman \@autodottrue\fi
2652     \ifx #1\romannumeral \@autodottrue\fi
2653   \fi
2654   \@@maybeautodot
2655 }

```

## 55 File scrbook-xepersian.def

```

2656 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2657 \renewcommand*\frontmatter{%
2658   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2659   \@mainmatterfalse\pagenumbering{harfi}%
2660 }
2661 \renewcommand*{\thepart}{\@tartibi\c@part}
2662 \renewcommand*\appendix{%
2663   \Ifstr{\@currentvir}{appendix}{%
2664     \ClassWarning{\KOMAClassName}{%
2665       You are using
2666       `\'string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2667       You should note, that `\'string\appendix' is a mostly
2668       globally\MessageBreak
2669       working command not an enviroment with only local\MessageBreak
2670       effects. Therefore `\'string\end{appendix}' will neither\MessageBreak

```



```

2671      switch back to normal section numbering nor finish\MessageBreak
2672      every other effect of \string\begin{appendix}'.\MessageBreak
2673      Nevertheless, some effects may end with\MessageBreak
2674      \string\end{appendix}' and the document may become\MessageBreak
2675      inconsistent.\MessageBreak
2676      Because of this, you should remove \string\end{appendix}'.\MessageBreak
2677      and replace \string\begin{appendix}' by command\MessageBreak
2678      \string\appendix'
2679    }%
2680  }-}%
2681  \par
2682  \setcounter{chapter}{0}%
2683  \setcounter{section}{0}%
2684  \gdef\@chapapp{\appendixname}%
2685  \gdef\thechapter{\@harfi\c@chapter}%
2686 }
2687 \IfLTXAtLeastTF{2020/10/01}{%
2688   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2689 }{}
2690 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2691 \renewcommand*{\@@maybeautodot}[1]{%
2692   \ifx #1\@stop\let\@@maybeautodot\relax
2693   \else
2694     \ifx #1\harfi \@@autodottrue\fi
2695     \ifx #1\adadi \@@autodottrue\fi
2696     \ifx #1\tartibi \@@autodottrue\fi
2697     \ifx #1\Alph \@@autodottrue\fi
2698     \ifx #1\alph \@@autodottrue\fi
2699     \ifx #1\Roman \@@autodottrue\fi
2700     \ifx #1\roman \@@autodottrue\fi
2701     \ifx #1\@harfi \@@autodottrue\fi
2702     \ifx #1\@adadi \@@autodottrue\fi
2703     \ifx #1\@tartibi \@@autodottrue\fi
2704     \ifx #1\@Alph \@@autodottrue\fi
2705     \ifx #1\@alph \@@autodottrue\fi
2706     \ifx #1\@Roman \@@autodottrue\fi
2707     \ifx #1\@roman \@@autodottrue\fi
2708     \ifx #1\romannumeral \@@autodottrue\fi
2709   \fi
2710   \@@maybeautodot
2711 }

```

## 56 File `scrreprt-xepersian.def`

```

2712 \ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
2713 \renewcommand*{\thepart}{\@tartibi\c@part}
2714 \renewcommand*\appendix{%
2715   \Ifstr{\@currentvir}{appendix}{%
2716     \ClassWarning{\KOMAClassName}{%
2717       You are using
2718       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2719       You should note, that \string\appendix' is a mostly
2720       globally\MessageBreak
2721       working command not an enviroment with only local\MessageBreak

```





```

2722     effects. Therefore ``\string\end{appendix}`' will neither\MessageBreak
2723     switch back to normal section numbering nor finish\MessageBreak
2724     every other effect of ``\string\begin{appendix}`'.\MessageBreak
2725     Nevertheless, some effects may end with\MessageBreak
2726     ``\string\end{appendix}`' and the document may become\MessageBreak
2727     inconsistent.\MessageBreak
2728     Because of this, you should remove ``\string\end{appendix}`'\MessageBreak
2729     and replace ``\string\begin{appendix}`' by command\MessageBreak
2730     ``\string\appendix'%
2731   }%
2732 }{}%
2733 \par
2734 \setcounter{chapter}{0}%
2735 \setcounter{section}{0}%
2736 \gdef\@chapapp{\appendixname}%
2737 \gdef\thechapter{\@harfi\c@chapter}%
2738 }
2739 \IfLTxAtLeastTF{2020/10/01}{%
2740   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2741 }{}
2742 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2743 \renewcommand*{\@@maybeautodot}[1]{%
2744   \ifx #1\@stop\let\@@maybeautodot\relax
2745   \else
2746     \ifx #1\harfi \@@autodottrue\fi
2747     \ifx #1\adadi \@@autodottrue\fi
2748     \ifx #1\tartibi \@@autodottrue\fi
2749     \ifx #1\Alph \@@autodottrue\fi
2750     \ifx #1\alph \@@autodottrue\fi
2751     \ifx #1\Roman \@@autodottrue\fi
2752     \ifx #1\roman \@@autodottrue\fi
2753     \ifx #1\@harfi \@@autodottrue\fi
2754     \ifx #1\@adadi \@@autodottrue\fi
2755     \ifx #1\@tartibi \@@autodottrue\fi
2756     \ifx #1\@Alph \@@autodottrue\fi
2757     \ifx #1\@alph \@@autodottrue\fi
2758     \ifx #1\@Roman \@@autodottrue\fi
2759     \ifx #1\@roman \@@autodottrue\fi
2760     \ifx #1\romannumeral \@@autodottrue\fi
2761   \fi
2762   \@@maybeautodot
2763 }

```

## 57 File soul-xepersian.def

```

2764 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2765 \let\SOUL@tt@latin\SOUL@tt
2766 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2767 \def\SOUL@tt{%
2768   \if@nonlatin
2769     \SOUL@tt@nonlatin
2770   \else
2771     \SOUL@tt@latin
2772   \fi

```



```

2773 }
2774 \bidi@appto\resetlatinfont{%
2775   \setbox\z@\hbox{\SOUL@tt-}%
2776   \SOUL@ttwidth\wd\z@
2777 }
2778 \bidi@appto\setpersianfont{%
2779   \setbox\z@\hbox{\SOUL@tt-}%
2780   \SOUL@ttwidth\wd\z@
2781 }

```

## 58 File tkz-linknodes-xepersian.def

```

2782 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pac
2783 \renewcommand*{\@SetTab}{%
2784   \let\@alph\@latinalph%
2785   \ifnum \value{C@NumTab}>25\relax%
2786     \setcounter{C@NumTab}{1}%
2787   \else%
2788     \stepcounter{C@NumTab}%
2789   \fi%
2790   \setcounter{C@NumGroup}{0}%
2791 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2792 \setboolean{B@FirstLink}{true}
2793 \setboolean{B@NewGroup}{false}
2794 \setcounter{C@NumGroup}{0}
2795 \setcounter{C@CurrentGroup}{0}
2796 \setcounter{NumC@Node}{0}
2797 \setcounter{NumC@Stop}{0}
2798 \setcounter{C@NextNode}{0}
2799 \setcounter{C@CurrentStop}{0}
2800 \setcounter{C@CurrentNode}{0}
2801 }%

```

## 59 File tocloft-xepersian.def

```

2802 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2803 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2804 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2805 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2806 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2807 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2808 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2809 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2810 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2811 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2812 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 60 File varioref-xepersian.def

```

2813 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref packag
2814 \def\reftextfaceafter{%
2815   \if@RTL
2816
2817 \reftextvario{  }{ }%

```



```

2818 \else
2819     on the \reftextvario{facing}{next} page%
2820 \fi
2821 }
2822 \def\reftextfacebefore{%
2823 \if@RTL
2824
2825 \reftextvario{ }{ }%
2826 \else
2827     on the \reftextvario{facing}{preceding} page%
2828 \fi
2829 }
2830 \def\reftextafter{%
2831 \if@RTL
2832
2833 \reftextvario{ }{ }%
2834 \else
2835     on the \reftextvario{following}{next} page%
2836 \fi
2837 }
2838 \def\reftextbefore{%
2839 \if@RTL
2840
2841 \reftextvario{ }{ }%
2842 \else
2843     on the \reftextvario{preceding}{previous} page%
2844 \fi
2845 }
2846 \def\reftextcurrent{%
2847 \if@RTL
2848
2849 \reftextvario{ }{ }%
2850 \else
2851     on \reftextvario{this}{the current} page%
2852 \fi
2853 }
2854 \def\reftextfaraway#1{%
2855 \if@RTL
2856 %
2857 ~\pageref{#1}%
2858 \else
2859     on page~\pageref{#1}%
2860 \fi
2861 }
2862 \def\reftextpagerange#1#2{%
2863 \if@RTL
2864 %
2865 ~\pageref{#1}--\pageref{#2}%
2866 \else
2867     on pages~\pageref{#1}--\pageref{#2}%
2868 \fi
2869 }
2870 \def\reftextlabelrange#1#2{%
2871 \if@RTL

```



```

2872 \ref{#1} %ref{#2}\~
2873 \else
2874 \ref{#1} to~\ref{#2}%
2875 \fi
2876 }

```

## 61 File xepersian.sty

```

2877 \NeedsTeXFormat{LaTeX2e}
2878 \def\xepersian@version{25.4}
2879 \def\xepersiandate{2024/12/17}
2880 \def\xepersian@releasename{Mount Damavand}
2881 \def\xepersian@persian@@releasename{ }
2882 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@@releasename\else\xepersian@re
2883 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersi
2884 Persian typesetting in XeLaTeX]
2885 \newif\if@xepersian@banner
2886 \newif\if@xepersian@@computeautoilg
2887 \DeclareUnknownKeyHandler{%
2888 \PassOptionsToPackage{\CurrentOption}{bidi}%
2889 }
2890 \ExplSyntaxOn
2891 \keys_define:nn { xepersian }
2892 {
2893 banner .choice: ,
2894 banner / on .code:n =
2895 \xepersian@bannertrue
2896 \PassOptionsToPackage{banner=on}{bidi} ,
2897 banner / off .code:n =
2898 \xepersian@bannerfalse
2899 \PassOptionsToPackage{banner=off}{bidi} ,
2900 banner .default:n = on
2901 }
2902 \keys_define:nn { xepersian }
2903 {
2904 mathdigits .choice: ,
2905 mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2906 mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2907 mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2908 }
2909 \keys_define:nn { xepersian }
2910 {
2911 inlinemathdigits .choice: ,
2912 inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
2913 inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
2914 inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
2915 }
2916 \keys_define:nn { xepersian }
2917 {
2918 displaymathdigits .choice: ,
2919 displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
2920 displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
2921 displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
2922 }

```



```

2923 \keys_define:nn { xepersian }
2924 {
2925   Kashida .choice: ,
2926   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xepersian.def}} ,
2927   Kashida / off .code:n = \relax ,
2928   Kashida .default:n = on
2929 }
2930 \keys_define:nn { xepersian }
2931 {
2932   localise .choice: ,
2933   localise / on .code:n = \AtEndOfPackage{\input{localise-xepersian.def}} ,
2934   localise / off .code:n = \relax ,
2935   localise .default:n = on
2936 }
2937 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
2938 {
2939   \AtEndOfPackage{%
2940     \ifwritexviii
2941       \@ifclassloaded{memoir}{%
2942         \PackageError{xepersian}{%
2943           This~feature~does~not~yet~work~with~the~memoir~class}{%
2944             }{%
2945               \renewcommand\printindex{\newpage%
2946                 \immediate\closeout\@indexfile
2947                 \immediate\write18{%
2948                   xindy~-L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
2949                 \@input@{\jobname.ind}}%
2950             }
2951       \else
2952         \PackageError{xepersian}{%
2953           "shell~escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell-esc
2954         \fi
2955     }
2956 }
2957 \keys_define:nn { xepersian }
2958 {
2959   quickindex-variant .choice: ,
2960   quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
2961   quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
2962   quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
2963 }
2964 \keys_define:nn { xepersian }
2965 {
2966   abjad-variant .choice: ,
2967   abjad-variant / one .code:n =
2968     \def\PersianAlphs{%
2969       \let\@alph\@abjad
2970       \let\@Alph\@abjad
2971     } ,
2972   abjad-variant / two .code:n =
2973     \def\PersianAlphs{%
2974       \let\@alph\@Abjad
2975       \let\@Alph\@Abjad
2976     }

```



```

2977 }
2978 \keys_define:nn { xepersian }
2979 {
2980     defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
2981 }
2982 \keys_define:nn { xepersian }
2983 {
2984     mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
2985 }
2986 \keys_define:nn { xepersian }
2987 {
2988     fontsizescale .code:n = \def\xepersian@@fontsize@scale{#1}
2989 }
2990 \keys_define:nn { xepersian }
2991 {
2992     fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
2993 }
2994 \keys_define:nn { xepersian }
2995 {
2996     latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
2997 }
2998 \keys_define:nn { xepersian }
2999 {
3000     baselineskip scale .code:n = \def\xepersian@@baselineskip@scale{#1}
3001 }
3002 \keys_define:nn { xepersian }
3003 {
3004     latinbaselineskip scale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3005 }
3006 \keys_define:nn { xepersian }
3007 {
3008     computeautoilg .choice: ,
3009     computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
3010     computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
3011     computeautoilg .default:n = on
3012 }
3013 \keys_define:nn { xepersian }
3014 {
3015     debugtextdigitfont .choice: ,
3016     debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3017         \bidi@AtEndPreamble{%
3018             \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
3019                 \addfontfeature{Color=C71585}
3020             }{}{}
3021         }
3022     } ,
3023     debugtextdigitfont / off .code:n = \relax ,
3024     debugtextdigitfont .default:n = on
3025 }
3026 \keys_set:nn { xepersian }
3027 {
3028     banner = on ,
3029     abjad-variant = two ,
3030     fontsizescale = \@ne ,

```



```

3031     latinfontsizescale = \@ne ,
3032     mathfontsizescale = \@ne ,
3033     baselineskip scale = \@ne ,
3034     latinbaselineskip scale = \@ne
3035 }
3036 \ExplSyntaxOff
3037 \ProcessKeyOptions
3038 \edef\@xepersian@info{*****~J%
3039 * ~J%
3040 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
3041 * ~J%
3042 * Description: The package supports Persian~J%
3043 * typesetting, using fonts provided in the~J%
3044 * distribution.~J%
3045 * ~J%
3046 * Copyright (c) 2008--2024 Vafa Khalighi~J%
3047 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
3048 * ~J%
3049 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date~J%
3050 * ~J%
3051 * License: LaTeX Project Public License, version~J%
3052 * 1.3c or higher (your choice)~J%
3053 * ~J%
3054 * Location on CTAN: /macros/xetex/latex/xepersian~J%
3055 * ~J%
3056 * Issue tracker: https://github.com/xepersian/xepersian/issues~J%
3057 * ~J%
3058 * Discussions: https://github.com/xepersian/xepersian/discussions~J%
3059 * ~J%
3060 * Primary author of xepersian package: Vafa Khalighi.~J%
3061 * ~J%
3062 *****}
3063 \edef\xepersian@everyjob{\the\everyjob}
3064 \if\xepersian@banner
3065   \typeout{\@xepersian@info}
3066   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3067 \fi
3068 \RequirePackage{fontspec}
3069 \RequirePackage{xepersian-persiancal}
3070 \RequirePackage{xepersian-mathdigitspec}
3071 \RequirePackage[%
3072   documentdirection=righttoleft,%
3073   tabledirection=righttoleft,%
3074   script=nonlatin,%
3075   footnotedirection=righttoleft,%
3076   footnoterule=automatic%
3077 ]{bidi}
3078 \newcommand*{\xepersianversion}
3079   {\ensuremath\xepersian@version}
3080 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
3081   \ifdim\xepersian@version pt > #1 pt %
3082     \expandafter\@firstoftwo
3083   \else
3084     \expandafter\@secondoftwo

```



```

3085 \fi}
3086 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
3087 \ifdim\xepersian@version pt < #1 pt %
3088 \expandafter\@firstoftwo
3089 \else
3090 \expandafter\@secondoftwo
3091 \fi}
3092 \newcommand*{\IfxepersianPackageVersion}[1]{%
3093 \ifdim\xepersian@version pt = #1 pt %
3094 \expandafter\@firstoftwo
3095 \else
3096 \expandafter\@secondoftwo
3097 \fi}
3098 \def\prq{<}
3099 \def\plq{>}
3100 \def\xepersian@cmds@temp#1{%
3101 \begingroup\expandafter\expandafter\expandafter\endgroup
3102 \expandafter\ifx\csname xepersian@#1\endcsname\relax
3103 \begingroup
3104 \escapechar=-1 %
3105 \edef\x{\expandafter\meaning\csname#1\endcsname}%
3106 \def\y{#1}%
3107 \def\z##1->{%}%
3108 \edef\y{\expandafter\z\meaning\y}%
3109 \expandafter\endgroup
3110 \ifx\x\y
3111 \expandafter\def\csname xepersian@#1\expandafter\endcsname
3112 \expandafter{%
3113 \csname#1\endcsname
3114 }%
3115 \fi
3116 \fi
3117 }%
3118 \xepersian@cmds@temp{shellescape}
3119 \newif\ifwritexviii
3120 \ifnum\xepersian@shellescape=1\relax
3121 \writexviiitrue
3122 \else
3123 \writexviiifalse
3124 \fi
3125 \newfontscript{Persian}{arab}
3126 \newfontlanguage{Persian}{FAR}
3127 \ExplSyntaxOn
3128
3129 \keys_define:nn {fontspec-opentype}
3130 {
3131 Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3132 Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3133 Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3134 }
3135
3136 \keys_define:nn {fontspec-aat}
3137 {
3138 Ligatures / PersianTeX .code:n =

```





```

3139 {
3140   \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3141 }
3142 }
3143
3144 \keys_define:nn {fontspec-opentype}
3145 {
3146   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-
3147   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3148   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3149 }
3150
3151 \keys_define:nn {fontspec-aat}
3152 {
3153   Ligatures / PersianTeXNoNumbers .code:n =
3154   {
3155     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3156   }
3157 }
3158
3159 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
3160 {
3161   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3162   \ignorespaces
3163 }
3164 \cs_new:Nn \__xepersian_main_settextfont:nn
3165 {
3166   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Liga
3167   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3168   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3169   {
3170     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3171     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3172     \exp_not:N \selectfont
3173   }
3174 }
3175 \str_if_eq:eeT {\familydefault} {\rmdefault}
3176 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3177 \__xepersian_settextfont_hook:nn {#1} {#2}
3178 \normalfont
3179 }
3180
3181 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3182
3183 \DeclareDocumentCommand \settextdigitfont { 0{} m 0{} }
3184 {
3185   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3186   \ignorespaces
3187 }
3188 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3189 {
3190   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#
3191   \use:x
3192   {

```



```

3193 \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3194 {
3195   \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3196   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3197   \exp_not:N \selectfont
3198 }
3199 }
3200 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3201 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3202 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3203 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3204 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3205 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3206 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashIntercharclass}
3207 \if@bidi@csundef{xepersian@D}{\%
3208   \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3209   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3210   \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3211   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3212   \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3213   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3214   \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3215   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3216 }
3217 }
3218
3219 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3220 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3221
3222 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3223
3224 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3225 {
3226   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3227   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3228   \ignorespaces
3229 }
3230
3231
3232 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3233 {
3234   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3235   \ignorespaces
3236 }
3237 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3238 {
3239   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3240   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3241     {
3242       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3243       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3244       \exp_not:N \selectfont
3245     }
3246 }

```



```

3247 \str_if_eq:eeT {\familydefault} {\rmdefault}
3248 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3249 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3250 \normalfont
3251 }
3252
3253 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3254
3255 \tl_set_eq:NN \setlatinsansfont \setsansfont
3256 \tl_set_eq:NN \setlatinmonofont \setmonofont
3257
3258 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3259 {
3260   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3261   \NewDocumentCommand
3262 }
3263 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3264 {
3265   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3266   \RenewDocumentCommand
3267 }
3268 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3269 {
3270   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=
3271   \use:x
3272   {
3273     \exp_not:N #4 \exp_not:N #1 {}
3274     {
3275       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3276       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3277       \exp_not:N \selectfont
3278     }
3279   }
3280 }
3281
3282 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3283 {
3284   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3285   \NewDocumentCommand
3286 }
3287 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3288 {
3289   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3290   \RenewDocumentCommand
3291 }
3292 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3293 {
3294   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#
3295   \use:x
3296   {
3297     \exp_not:N #4 \exp_not:N #1 {}
3298     {
3299       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3300       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3301     \exp_not:N \selectfont
3302   }
3303 }
3304 }
3305
3306 \newcommand\persiansfdefault{}
3307 \newcommand\persianttdefault{}
3308 \newcommand\iranicsfdefault{}
3309 \newcommand\navarsfdefault{}
3310 \newcommand\pooksfdefault{}
3311 \newcommand\sayehsfdefault{}
3312 \DeclareRobustCommand\persiansffamily
3313   {\not@math@alphabet\persiansffamily\mathpersiansf
3314     \fontfamily\persiansfdefault\selectfont}
3315 \DeclareRobustCommand\persianttfamily
3316   {\not@math@alphabet\persianttfamily\mathpersiantt
3317     \fontfamily\persianttdefault\selectfont}
3318 \DeclareRobustCommand\iranicfamily
3319   {\not@math@alphabet\iranicfamily\mathiranicsf
3320     \fontfamily\iranicsfdefault\selectfont}
3321 \DeclareRobustCommand\navarfamilysf
3322   {\not@math@alphabet\navarfamilysf\mathnavarsf
3323     \fontfamily\navarsfdefault\selectfont}
3324 \DeclareRobustCommand\pookfamilysf
3325   {\not@math@alphabet\pookfamilysf\mathpooksf
3326     \fontfamily\pooksfdefault\selectfont}
3327 \DeclareRobustCommand\sayehsfamily
3328   {\not@math@alphabet\sayehsfamily\mathsayehsf
3329     \fontfamily\sayehsfdefault\selectfont}
3330 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3331 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3332 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
3333 \DeclareTextFontCommand{\textnavarsf}{\navarfamilysf}
3334 \DeclareTextFontCommand{\textpooksf}{\pookfamilysf}
3335 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
3336
3337 \DeclareDocumentCommand \setpersiansansfont { 0{ } m 0{ } }
3338 {
3339   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3340   \ignorespaces
3341 }
3342 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3343 {
3344   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab},
3345   \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3346   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3347     {
3348       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3349       \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3350       \exp_not:N \selectfont
3351     }
3352   }
3353   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3354   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }

```



```

3355 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3356 \normalfont
3357 }
3358
3359 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3360
3361 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3362 {
3363   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3364   \ignorespaces
3365 }
3366 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3367 {
3368   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},
3369   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3370   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3371     {
3372       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3373       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3374       \exp_not:N \selectfont
3375     }
3376   }
3377   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3378   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3379   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3380   \normalfont
3381 }
3382
3383 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3384
3385 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3386 {
3387   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3388   \ignorespaces
3389 }
3390 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3391 {
3392   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligatures={liga}},
3393   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3394   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3395     {
3396       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3397       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3398       \exp_not:N \selectfont
3399     }
3400   }
3401   \str_if_eq:eeT {\familydefault} {\navardefault}
3402   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3403   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3404   \normalfont
3405 }
3406
3407 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3408

```



```

3409 \DeclareDocumentCommand \setpookfont { 0{ } m 0{ } }
3410 {
3411     \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3412     \ignorespaces
3413 }
3414 \cs_new:Nn \_xepersian_main_setpookfont:nn
3415 {
3416     \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligat
3417     \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3418     \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3419     {
3420         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3421         \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3422         \exp_not:N \selectfont
3423     }
3424 }
3425 \str_if_eq:eeT {\familydefault} {\pookdefault}
3426 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3427 \_xepersian_setpookfont_hook:nn {#1} {#2}
3428 \normalfont
3429 }
3430
3431 \cs_set_eq:NN \_xepersian_setpookfont_hook:nn \use_none:nn
3432
3433 \DeclareDocumentCommand \setsayehfont { 0{ } m 0{ } }
3434 {
3435     \_xepersian_main_setsayehfont:nn {#1,#3} {#2}
3436     \ignorespaces
3437 }
3438 \cs_new:Nn \_xepersian_main_setsayehfont:nn
3439 {
3440     \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligat
3441     \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3442     \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3443     {
3444         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3445         \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3446         \exp_not:N \selectfont
3447     }
3448 }
3449 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3450 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3451 \_xepersian_setsayehfont_hook:nn {#1} {#2}
3452 \normalfont
3453 }
3454
3455 \cs_set_eq:NN \_xepersian_setsayehfont_hook:nn \use_none:nn
3456
3457 \DeclareDocumentCommand \setiraniconfont { 0{ } m 0{ } }
3458 {
3459     \_xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3460     \ignorespaces
3461 }
3462 \cs_new:Nn \_xepersian_main_setiraniconfont:nn

```



```

3463 {
3464 \fontspec_set_family:Nnn \l__fontspec_iranifamily_family_tl {RawFeature={script=arab},Lig
3465 \tl_set_eq:NN \iranifamilydefault \l__fontspec_iranifamily_family_tl
3466 \use:x { \exp_not:n { \DeclareRobustCommand \iranifamily }
3467 {
3468 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3469 \exp_not:N \fontfamily { \l__fontspec_iranifamily_family_tl }
3470 \exp_not:N \selectfont
3471 }
3472 }
3473 \str_if_eq:eeT {\familydefault} {\iranifamilydefault}
3474 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3475 \__xepersian_setiranifont_hook:nn {#1} {#2}
3476 \normalfont
3477 }
3478
3479 \cs_set_eq:NN \__xepersian_setiranifont_hook:nn \use_none:nn
3480
3481 \ExplSyntaxOff
3482 \def\resetlatinfont{%
3483 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3484 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3485 \def\xepersian@@fontsize@scale{%
3486 \strip@pt\dimexpr 1pt * \dimexpr
3487 \xepersian@@latin@fontsize@scale pt\relax
3488 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3489 }%
3490 \def\xepersian@@baselineskip@scale{%
3491 \strip@pt\dimexpr 1pt * \dimexpr
3492 \xepersian@@latin@baselineskip@scale pt\relax
3493 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3494 }%
3495 \@nonlatinfalse%
3496 \let\normalfont\latinfont%
3497 \let\reset@font\normalfont%
3498 \latinfont%
3499 \fontsize\fontsize\font@size\font@baselineskip%
3500 \selectfont%
3501 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3502 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3503 }
3504 \def\setpersianfont{%
3505 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3506 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3507 \let\xepersian@@fontsize@scale\@ne%
3508 \let\xepersian@@baselineskip@scale\@ne%
3509 \@nonlatintrue%
3510 \let\normalfont\persianfont%
3511 \let\reset@font\normalfont%
3512 \persianfont%
3513 \fontsize\fontsize\font@size\font@baselineskip%
3514 \selectfont%
3515 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3516 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%

```



```

3517 }
3518 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3519 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3520 \def\latin{\LTR\LatinAlphs\RTL@footnotefalse\resetlatinfont}
3521 \def\endlatin{\endLTR}
3522 \newenvironment{latin*}{\latin
3523   \everypar{%
3524     {\setbox\z@\lastbox
3525       \ifvoid\z@
3526         \kern-\parindent
3527       \fi}%
3528   }%
3529 }{\endlatin\@endpetrue}
3530 \def\persian{\RTL\PersianAlphs\RTL@footnotetrue\setpersianfont}
3531 \def\endpersian{\endRTL}
3532 \newenvironment{persian*}{\persian
3533   \everypar{%
3534     {\setbox\z@\lastbox
3535       \ifvoid\z@
3536         \kern-\parindent
3537       \fi}%
3538   }%
3539 }{\endpersian\@endpetrue}
3540 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3541 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3542 \let\originaltoday=\today
3543 \def\latintoday{\lr{\originaltoday}}
3544 \def\today{\rl{\persiantoday}}
3545 \def \@LTRmarginparreset {%
3546   \reset@font
3547   \resetlatinfont
3548   \normalsize
3549   \@minipagetrue
3550   \everypar{\@minipagefalse\everypar{}\beginL}%
3551 }
3552 \DeclareRobustCommand\Latincite{%
3553   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
3554 \def\@Latincitex[#1]#2{\leavevmode
3555   \let\@citea\@empty
3556   \@cite{\lr{\@for\@citeb:=#2\do
3557     {\@citea\def\@citea{,\penalty\@m\ }%
3558     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3559     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3560     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3561     \@grefundefinedtrue
3562     \@latex@warning
3563       {Citation `'\@citeb' on page \thepage \space undefined}}%
3564     {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@citeb}}{#1}}
3565
3566 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3567
3568 \newcount\xepersian@tcl
3569 \newdimen\xepersian@ilg
3570 \newdimen\xepersian@strutilg

```





```

3571 \chardef\f@ur=4
3572 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3573 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3574 \loop
3575 \iffontchar\font\xepersian@tcl
3576 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3577 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3578 \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3579 \fi
3580 \else
3581 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3582 \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3583 \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3584 \fi
3585 \fi
3586 \fi
3587 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3588 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3589 \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3590 \fi
3591 \else
3592 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3593 \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3594 \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3595 \fi
3596 \fi
3597 \fi
3598 \fi
3599 \advance\xepersian@tcl\@ne
3600 \ifnum\xepersian@tcl<1792\repeat
3601 \advance\xepersian@strutilg\xepersian@ilg
3602 % \ifdim\xepersian@strutilg>\baselineskip
3603 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip fou
3604 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3605 % \linespread{\strip@pt\dimeexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3606 % \selectfont
3607 % \fi
3608 }
3609
3610 \newif\if@@textdigitfont@on
3611
3612 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3613 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3614
3615 \TextDigitFontOn
3616
3617 \newcommand*\xepersian@setlength[4]{%
3618 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3619 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3620 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3621 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3622 \else
3623 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3624 \fi

```



```

3625 \else
3626 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@ \fi
3627 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3628 \else
3629 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3630 \fi
3631 \fi
3632 \else
3633 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@ \fi
3634 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@ \fi
3635 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3636 \else
3637 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3638 \fi
3639 \else
3640 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@ \fi
3641 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3642 \else
3643 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3644 \fi
3645 \fi
3646 \fi
3647 }
3648
3649 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3650 \@defaultunits\@tempdima#2pt\relax\@nnil
3651 \setlength{\@tempdimc}{\@tempdima}%
3652 \addtolength{\@tempdimc}{-10\p@}%
3653 \edef\@ptsize{\strip@pt\@tempdimc}%
3654 \@defaultunits\@tempdimb#1pt\relax\@nnil
3655 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3656 \edef\@tempb{\the\@tempdimc}%
3657 \setlength{\@tempdimc}{\@tempdima}%
3658 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3659 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3660 \xepersian@setlength{\abovedisplayskip}%
3661 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3662 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3663 \xepersian@setlength{\belowdisplayshortskip}%
3664 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3665 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3666 \edef\normalsize{%
3667 \noexpand\setfontsize\noexpand\normalsize
3668 {\the\@tempdima}{\the\@tempdimb}%
3669 \abovedisplayskip \the\abovedisplayskip
3670 \abovedisplayshortskip \the\abovedisplayshortskip
3671 \belowdisplayskip \the\belowdisplayskip
3672 \belowdisplayshortskip \the\belowdisplayshortskip
3673 \let\noexpand\@listi\noexpand\@listI
3674 }%
3675 \setlength{\@tempdima}{0.9125\@tempdimc}%
3676 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3677 \xepersian@setlength{\abovedisplayskip}%
3678 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%

```



```

3679 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3680 \xepersian@setlength{\belowdisplayskip}%
3681 { .5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3682 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3683 \edef\small{%
3684 \noexpand\@setfontsize\noexpand\small
3685 {\the\@tempdima}{\the\@tempdimb}%
3686 \abovedisplayskip \the\abovedisplayskip
3687 \abovedisplayskip \the\abovedisplayskip
3688 \belowdisplayskip \the\belowdisplayskip
3689 \belowdisplayskip \the\belowdisplayskip
3690 \let\noexpand\@listi\noexpand\@listi@small
3691 }%
3692 \setlength{\@tempdima}{.83334\@tempdimc}%
3693 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3694 \xepersian@setlength{\abovedisplayskip}%
3695 { .8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3696 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3697 \xepersian@setlength{\belowdisplayskip}%
3698 { .5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3699 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3700 \edef\footnotesize{%
3701 \noexpand\@setfontsize\noexpand\footnotesize
3702 {\the\@tempdima}{\the\@tempdimb}%
3703 \abovedisplayskip \the\abovedisplayskip
3704 \abovedisplayskip \the\abovedisplayskip
3705 \belowdisplayskip \the\belowdisplayskip
3706 \belowdisplayskip \the\belowdisplayskip
3707 \let\noexpand\@listi\noexpand\@listi@footnotesize
3708 }%
3709 \setlength{\@tempdima}{.66667\@tempdimc}%
3710 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3711 \edef\scriptsize{%
3712 \noexpand\@setfontsize\noexpand\scriptsize
3713 {\the\@tempdima}{\the\@tempdimb}%
3714 }%
3715 \setlength{\@tempdima}{.5\@tempdimc}%
3716 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3717 \edef\tiny{%
3718 \noexpand\@setfontsize\noexpand\tiny
3719 {\the\@tempdima}{\the\@tempdimb}%
3720 }%
3721 \setlength{\@tempdima}{1.2\@tempdimc}%
3722 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3723 \edef\large{%
3724 \noexpand\@setfontsize\noexpand\large
3725 {\the\@tempdima}{\the\@tempdimb}%
3726 }%
3727 \setlength{\@tempdima}{1.44\@tempdimc}%
3728 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3729 \edef\Large{%
3730 \noexpand\@setfontsize\noexpand\Large
3731 {\the\@tempdima}{\the\@tempdimb}%
3732 }%

```



```

3733 \setlength{\@tempdima}{1.728\@tempdimc}%
3734 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3735 \edef\LARGE{%
3736   \noexpand\@setfontsize\noexpand\LARGE
3737   {\the\@tempdima}{\the\@tempdimb}%
3738 }%
3739 \setlength{\@tempdima}{2.074\@tempdimc}%
3740 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3741 \edef\huge{%
3742   \noexpand\@setfontsize\noexpand\huge
3743   {\the\@tempdima}{\the\@tempdimb}%
3744 }%
3745 \setlength{\@tempdima}{2.488\@tempdimc}%
3746 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3747 \edef\Huge{%
3748   \noexpand\@setfontsize\noexpand\Huge
3749   {\the\@tempdima}{\the\@tempdimb}%
3750 }%
3751 \normalsize
3752 \setlength{\@tempdimb}{\f@baselineskip}%
3753 \xepersian@setlength{\parsep}%
3754   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3755 \xepersian@setlength{\topsep}%
3756   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3757 \@tempswafalse
3758 \begingroup
3759 \def\@list@extra{\aftergroup\@tempwattrue}%
3760 \csname @listi\endcsname
3761 \endgroup
3762 \edef\@listi{\leftmargin\leftmarginI
3763   \topsep \the\topsep
3764   \parsep \the\parsep
3765   \itemsep \parsep
3766   \if@tempswa\noexpand\@list@extra\fi
3767 }%
3768 \let\@listI\@listi
3769 \xepersian@setlength{\parsep}%
3770   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3771 \xepersian@setlength{\topsep}%
3772   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3773 \@tempswafalse
3774 \begingroup
3775 \def\@list@extra{\aftergroup\@tempwattrue}%
3776 \csname @listi\endcsname
3777 \endgroup
3778 \edef\@listi@small{\leftmargin\leftmarginI
3779   \topsep \the\topsep
3780   \parsep \the\parsep
3781   \itemsep \parsep
3782   \if@tempswa\noexpand\@list@extra\fi
3783 }%
3784 \xepersian@setlength{\parsep}%
3785   {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3786 \xepersian@setlength{\topsep}%

```



```

3787         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3788 \@tempswafalse
3789 \beginngroup
3790   \def\@list@extra{\aftergroup\@tempwattrue}%
3791   \csname @listi\endcsname
3792 \endgroup
3793 \edef\@listi@footnotesize{\leftmargin\leftmarginii
3794   \topsep \the\topsep
3795   \parsep \the\parsep
3796   \itemsep \parsep
3797   \if@tempswa\noexpand\@list@extra\fi
3798 }%
3799   \xepersian@setlength{\parsep}%
3800     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3801   \xepersian@setlength{\topsep}%
3802     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3803 \@tempswafalse
3804 \beginngroup
3805   \def\@list@extra{\aftergroup\@tempwattrue}%
3806   \csname @listii\endcsname
3807 \endgroup
3808 \edef\@listii{\leftmargin\leftmarginiii
3809   \labelwidth=\dimexpr \leftmargin-\labelsep
3810   \topsep \the\topsep
3811   \parsep \the\parsep
3812   \itemsep \parsep
3813   \if@tempswa\noexpand\@list@extra\fi
3814 }%
3815   \xepersian@setlength{\topsep}%
3816     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3817 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3818 \@tempswafalse
3819 \beginngroup
3820   \def\@list@extra{\aftergroup\@tempwattrue}%
3821   \csname @listiii\endcsname
3822 \endgroup
3823 \edef\@listiii{\leftmargin\leftmarginiiii
3824   \labelwidth=\dimexpr \leftmargin-\labelsep
3825   \topsep \the\topsep
3826   \parsep \z@
3827   \partopsep \the\partopsep
3828   \itemsep \topsep
3829   \if@tempswa\noexpand\@list@extra\fi
3830 }%
3831 \@tempswafalse
3832 \beginngroup
3833   \def\@list@extra{\aftergroup\@tempwattrue}%
3834   \csname @listiv\endcsname
3835 \endgroup
3836 \edef\@listiv{\leftmargin\leftmarginiv
3837   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3838   \if@tempswa\noexpand\@list@extra\fi
3839 }%
3840 \@tempswafalse

```



```

3841 \begingroup
3842   \def\@list@extra{\aftergroup\@tempswatrue}%
3843   \csname @listv\endcsname
3844 \endgroup
3845 \edef\@listv{\leftmargin\leftmarginv
3846   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3847   \if@tempswa\noexpand\@list@extra\fi
3848 }%
3849 \@tempswafalse
3850 \begingroup
3851   \def\@list@extra{\aftergroup\@tempswatrue}%
3852   \csname @listvi\endcsname
3853 \endgroup
3854 \edef\@listvi{\leftmargin\leftmarginvi
3855   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3856   \if@tempswa\noexpand\@list@extra\fi
3857 }%
3858 \@listi
3859   \setlength{\@tempdimb}{\f@baselineskip}%
3860   \setlength{\footnotesep}{.555\@tempdimb}%
3861   \xepersian@setlength{\skip\footins}%
3862     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3863   \xepersian@setlength{\floatsep}%
3864     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3865   \xepersian@setlength{\textfloatsep}%
3866     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3867   \setlength{\intextsep}{\floatsep}%
3868   \setlength{\dblfloatsep}{\floatsep}%
3869   \setlength{\dbltextfloatsep}{\textfloatsep}%
3870   \setlength{\fptop}{\z@ \@plus 1fil}%
3871   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3872   \setlength{\@fpbot}{\@fptop}%
3873   \setlength{\@dblfpot}{\@fptop}%
3874   \setlength{\@dblfpsep}{\@fpsep}%
3875   \setlength{\@dblfpbot}{\@fptop}%
3876   \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3877 }
3878
3879 \renewcommand*{\@bidi@logo@}{\%
3880   \@bidi@logo@hb@xt@columnwidth
3881   {\hss\bfseries
3882
3883   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3884
3885 \renewcommand*{\@bidi@pdfcreator}{\%
3886   The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepers
3887 }
3888
3889 \newcommand*{\@xepersian@pdfcustomproperties}{\%
3890   This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
3891   Released December 17, 2024.
3892 }
3893
3894 \newcommand\twocolumnstableofcontents{\%

```



```

3895 \if@bidi@csundef{multi@column@out}{%
3896 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3897 \begin{multicols}{2}[\section*{\contentsname}]{%
3898 \small
3899 \@starttoc{toc}%
3900 \end{multicols}}}%
3901 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3902 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3903 \AtBeginDocument{%
3904 \def\figurename{\if@RTL else\ Figure\fi}%
3905 \def\tablename{\if@RTL else\ Table\fi}%
3906 \def\contentsname{\if@RTL else\ Contents\fi}%
3907 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3908 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3909 \def\appendixname{\if@RTL else\ Appendix\fi}%
3910 \def\indexname{\if@RTL else\ Index\fi}%
3911 \def\refname{\if@RTL else\ References\fi}%
3912 \def\abstractname{\if@RTL else\ Abstract\fi}%
3913 \def\partname{\if@RTL else\ Part\fi}%
3914 \def\datename{\if@RTL else\ Date:\fi}%
3915 \def\@and{\if@RTL else\ and\fi}%
3916 \def\bibname{\if@RTL else\ Bibliography\fi}%
3917 \def\chaptername{\if@RTL else\ Chapter\fi}%
3918 \def\ccname{\if@RTL else\ cc\fi}%
3919 \def\enclname{\if@RTL else\ encl\fi}%
3920 \def\pagename{\if@RTL else\ Page\fi}%
3921 \def\headtoname{\if@RTL else\ To\fi}%
3922 \def\proofname{\if@RTL else\ Proof\fi}%
3923 }
3924 \def\@Abjad#1{%
3925 \ifcase#1\or or\ or\ or\ %
3926 \or or\ or\ or\ or\ %
3927 \or or\ or\ or\ or\ %
3928 \or or\ or\ or\ %
3929 \or or\ or\ or\ or\ %
3930 \or or\ or\ or\ or\ %
3931 \else\@ctrerr\fi}
3932 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3933 \let\Abjadnumeral\@Abjad
3934 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3935 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3936 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3937 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3938 \let\harfinumeral\@harfi
3939 \newcommand{\adadi}[1]{%
3940 \expandafter\@adadi\csname c@#1\endcsname%
3941 }
3942 \newcommand{\@adadi}[1]{%
3943 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3944 }
3945 \let\adadinumeral\@adadi%
3946 \def\xepersian@numberoutofrange#1#2{%
3947 \PackageError{xepersian}{The number `#1' is too large %
3948 to be formatted using xepersian}{The largest possible %

```



```

3949 number is 999,999,999.}%
3950 }
3951 \def\xepersian@numberstring#1#2#3#4{%
3952 \ifnum\number#1<\@ne%
3953 #3%
3954 \else\ifnum\number#1<1000000000 %
3955 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3956 \else%
3957 \xepersian@numberoutofrange{#1}{#4}%
3958 \fi\fi%
3959 }
3960 \def\xepersian@adadi#1#2{%
3961 \expandafter\xepersian@@adadi%
3962 \ifcase%
3963 \ifnum#1<10 1%
3964 \else\ifnum#1<100 2%
3965 \else\ifnum#1<\@m 3%
3966 \else\ifnum#1<\@M 4%
3967 \else\ifnum#1<100000 5%
3968 \else\ifnum#1<1000000 6%
3969 \else\ifnum#1<10000000 7%
3970 \else\ifnum#1<100000000 8%
3971 \else9%
3972 \fi\fi\fi\fi\fi\fi\fi\fi %
3973 \or00000000#1% case 1: Add 8 leading zeros
3974 \or0000000#1% case 2: Add 7 leading zeros
3975 \or000000#1% case 3: Add 6 leading zeros
3976 \or00000#1% case 4: Add 5 leading zeros
3977 \or0000#1% case 5: Add 4 leading zeros
3978 \or000#1% case 6: Add 3 leading zeros
3979 \or00#1% case 7: Add 2 leading zeros
3980 \or0#1% case 8: Add 1 leading zero
3981 \or#1% case 9: Add no leading zeros
3982 \or%
3983 \@nil#2%
3984 \fi%
3985 }
3986 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3987 \ifnum#1#2#3>\z@
3988 \xepersian@milyoongan#1#2#3%
3989 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3990 \fi%
3991 \ifnum#4#5#6>\z@%
3992 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3993 \ifnum#4#5#6>\@ne\fi%
3994 %
3995 \ifnum#7>\z@ \fi%
3996 \fi%
3997 \xepersian@sadgan#7{#4#5#6}1#9%
3998 }
3999 \def\xepersian@milyoongan#1#2#3{%
4000 \ifnum#1#2#3=\@ne%
4001 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4002 %

```





```

4003 %
4004 \else%
4005 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4006 %
4007 %
4008 \fi%
4009 }
4010 \def\xepersian@sadgan#1#2#3#4#5#6{%
4011 \ifnum#1>\z@%
4012 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4013 %
4014 \ifnum#2#3>\z@\ \fi%
4015 \fi%
4016 \ifnum#2#3<20%
4017 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4018 \else%
4019 \xepersian@dahgan#2%
4020 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
4021 #60%
4022 \fi%
4023 }
4024 \def\xepersian@yekani#1{%
4025 \ifcase#1\@empty\or\or\ \or\ \or\ \or\ \or\ %
4026 \or\or\ \or\ \or\ \or\ \or\ %
4027 \or\or\ \or\ \or\ %
4028 \or\or\ %fi\
4029 }
4030 \def\xepersian@yekanii#1{%
4031 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4032 }
4033 \def\xepersian@yekaniiii#1{%
4034 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4035 }
4036 \def\xepersian@yekaniv#1{%
4037 \ifcase#1\@empty\or\or\ \or\ \or\ \or\ %
4038 \or\or\ \or\ %fi\
4039 }
4040 \def\xepersian@dahgan#1{%
4041 \ifcase#1\or\or\ \or\ %
4042 \or\or\ \or\ \or\ %
4043 \or %fi\
4044 }
4045 \newcommand{\tartibi}[1]{%
4046 \expandafter\@tartibi\csname c@#1\endcsname%
4047 }
4048 \newcommand{\@tartibi}[1]{%
4049 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4050 }
4051 \let\tartibinumeral\@tartibi%
4052 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4053 \ifnum\number#1<\@ne%
4054 #3%
4055 \else\ifnum\number#1<1000000000 %
4056 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%

```



```

4057 \else%
4058 \xepersian@numberoutofrange{#1}{#4}%
4059 \fi\fi%
4060 }
4061 \def\xepersian@adadi@tartibi#1#2{%
4062 \expandafter\xepersian@@adadi@tartibi%
4063 \ifcase%
4064 \ifnum#1<10 1%
4065 \else\ifnum#1<100 2%
4066 \else\ifnum#1<\@m 3%
4067 \else\ifnum#1<\@M 4%
4068 \else\ifnum#1<100000 5%
4069 \else\ifnum#1<1000000 6%
4070 \else\ifnum#1<10000000 7%
4071 \else\ifnum#1<100000000 8%
4072 \else9%
4073 \fi\fi\fi\fi\fi\fi\fi\fi %
4074 \or00000000#1% case 1: Add 8 leading zeros
4075 \or0000000#1% case 2: Add 7 leading zeros
4076 \or000000#1% case 3: Add 6 leading zeros
4077 \or00000#1% case 4: Add 5 leading zeros
4078 \or0000#1% case 5: Add 4 leading zeros
4079 \or000#1% case 6: Add 3 leading zeros
4080 \or00#1% case 7: Add 2 leading zeros
4081 \or0#1% case 8: Add 1 leading zero
4082 \or#1% case 9: Add no leading zeros
4083 \or%
4084 \@nil#2%
4085 \fi%
4086 }
4087 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4088 \ifnum#1#2#3>\z@
4089 \xepersian@milyoongan@tartibi#1#2#3%
4090 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4091 \fi%
4092 \ifnum#4#5#6>\z@%
4093 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4094 \ifnum#4#5#6>\@ne \fi%
4095 %
4096 \ifnum#7>\z@\ \fi%
4097 \fi%
4098 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4099 }
4100 \def\xepersian@milyoongan@tartibi#1#2#3{%
4101 \ifnum#1#2#3=\@ne%
4102 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4103 %
4104 %
4105 \else%
4106 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4107 %
4108 %
4109 \fi%
4110 }

```



```

4111 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4112 \ifnum#1>\z@%
4113 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4114 %
4115 \ifnum#2#3>\z@\ \fi%
4116 \fi%
4117 \ifnum#2#3<20%
4118 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4119 \else%
4120 \ifnum#2#3=30%
4121 \xepersian@dahgan@tartibi#2%
4122 \else%
4123 \xepersian@dahgan#2%
4124 \fi%
4125 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
4126 #60%
4127 \fi%
4128 }
4129 \def\xepersian@dahgan@tartibi#1{%
4130 \ifcase#1\or\or or\ or\ %
4131 \or or\ or\ or\ %
4132 \or %fi\
4133 }
4134 \def\xepersian@tartibi#1{%
4135 \ifcase#1\or or\ or\ or\ %
4136 \or or\ or\ or\ or\ %
4137 \or or\ or\ or\ %
4138 \or or\ or\ %
4139 \or or\ or\ %fi\
4140 }
4141 \def\xepersian@yekanv#1{%
4142 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4143 \or or\ or\ or\ or\ or\ %
4144 \or or\ or\ or\ %
4145 \or or\ %fi\
4146 }
4147 \providecommand*\xpg@warning}[1]{%
4148 \PackageWarning{XePersian}%
4149 {#1}}
4150 \if@bidi@csundef{@abjad}{%
4151 \def\@abjad#1{%
4152 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4153 \else
4154 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4155 \else
4156 \ifnum#1<10\expandafter\abj@num@i\number#1%
4157 \else
4158 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4159 \else
4160 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4161 \else
4162 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4163 \fi
4164 \fi

```



```

4165     \fi
4166     \fi
4167     \fi
4168 \fi
4169 }
4170 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4171 \let\abjadnumeral\@abjad
4172 \def\abjad@zero{}
4173 \def\abj@num@i#1{%
4174     \ifcase#1\or or\ or\ or\ %
4175         \or or\ or\ or\ or\ fi\
4176     \ifnum#1=z@\abjad@zero\fi}
4177 \def\abj@num@ii#1{%
4178     \ifcase#1\or or\ or\ or\ or\ %
4179         \or or\ or\ or\ or\ fi\
4180     \ifnum#1=z@\fi\abj@num@i}
4181 \def\abj@num@iii#1{%
4182     \ifcase#1\or or\ or\ or\ or\ %
4183         \or or\ or\ or\ or\ fi\
4184     \ifnum#1=z@\fi\abj@num@ii}
4185 \def\abj@num@iv#1{%
4186     \ifcase#1\or fi\
4187     \ifnum#1=z@\fi\abj@num@iii}
4188 }{}
4189 \let\@latinalph\@alph%
4190 \let\@latinAlph\@Alph%
4191 \def\LatinAlphs{%
4192     \let\@alph\@latinalph%
4193     \let\@Alph\@latinAlph%
4194 }
4195 \def\thempfootnote{\@itshape\@latinalph\c@mpfootnote}}
4196 \renewcommand*\@bidi@thebibliography@font@hook{%
4197     \if@LTRbibitems
4198         \resetlatinfont
4199     \fi}
4200 \bidi@AfterEndPreamble{%
4201     \if@bidi@csundef{persianfont}{%
4202 \PackageError{xepersian}{You have not specified any font\MessageBreak
4203 for the main Persian text}{Use \settextfont' to load a font.}%
4204 }{}
4205 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4206 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4207 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4208 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4209 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4210 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4211 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4212 \@ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4213 \@ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4214 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
4215 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4216 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4217 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4218 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}

```



```

4219 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4220 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4221 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4222 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4223 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4224 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4225 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4226 \@ifpackageloaded{url}{\input{url-xepersian.def}}{}
4227 \@ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4228 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
4229 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4230 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4231 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4232 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4233 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4234 \@ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4235 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4236 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
4237 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4238 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4239 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4240 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4241 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4242 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4243 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4244 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4245 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4246 \@ifclassloaded{boekest}{\input{boekest-xepersian.def}}{}
4247 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4248 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
4249 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4250 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4251 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4252
4253 \newtoks\xepersian@toks
4254 \def\xepersian@tempa#1{%
4255 \long\def\xepersian@@sp@def##1##2{%
4256 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4257 \long\def\xepersian@@sp@d{%
4258 \ifx\xepersian@resa\@sptoken
4259 \expandafter\xepersian@@sp@b
4260 \else
4261 \expandafter\xepersian@@sp@b\expandafter#1%
4262 \fi}%
4263 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4264 }
4265 \xepersian@tempa{ }
4266 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4267 \def\xepersian@@fontsize@branch#1{%
4268 \@tempcnta\z@
4269 \@for\xepersian@tmp:=#1\do{%
4270 \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
4271 \ifcase\@tempcnta\relax% cnta == 0
4272 \edef\xepersian@value{\xepersian@frag}%

```



```

4273     \setfontsize{\xepersian@frag}%
4274     \or% cnta == 1
4275     \setfontsize[\xepersian@frag]{\xepersian@value}%
4276     \else\fi
4277     \advance\@tempcnta\@ne}%
4278 }
4279
4280 \if@extrafootnotefeatures
4281   \input{extrafootnotefeatures-xetex-bidi.def}%
4282   \input{extrafootnotefeatures-xepersian.def}%
4283 \fi
4284
4285 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4286   \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4287 }{}{}
4288
4289 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
4290   \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4291 }{}{}
4292
4293
4294 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4295   \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4296   \dimexpr 1pt * \dimexpr #1 pt\relax /
4297   \dimexpr \xepersian@@fontsize@scale pt\relax
4298   \relax\relax
4299 }
4300
4301 \bidi@patchcmd{\getanddefine@fonts}{%
4302   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4303 }{%
4304   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4305 }{}{}
4306
4307 \bidi@patchcmd{\getanddefine@fonts}{%
4308   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4309 }{%
4310   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4311 }{}{}
4312
4313 \bidi@patchcmd{\getanddefine@fonts}{%
4314   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4315 }{%
4316   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4317 }{}{}
4318
4319
4320 \if\xepersian@@computeautoilg
4321 \bidi@patchcmd{\set@fontsize}{%
4322   \baselineskip\font@baselineskip\relax
4323 }{%
4324   \baselineskip\font@baselineskip\relax
4325   \xepersian@@computeautoilg
4326   \ifdim\xepersian@strutilg>\baselineskip

```



```

4327 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4328 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4329 \baselineskip\xepersian@strutilg
4330 \ifdim\footnotesep=.7\baselineskip
4331 \else
4332 \footnotesep.7\baselineskip
4333 \fi
4334 \fi
4335 }{}{}
4336 \fi
4337
4338 \AtEndOfPackage{%
4339 \setlatintextfont[%
4340 Path,%
4341 BoldFont={lmroman10-bold},%
4342 BoldItalicFont={lmroman10-bolditalic},%
4343 ItalicFont={lmroman10-italic},%
4344 SmallCapsFont={lmromancaps10-regular},%
4345 SlantedFont={lmromanslant10-regular},%
4346 BoldSlantedFont={lmromanslant10-bold}%
4347 ]{lmroman10-regular}
4348 }
4349 \PersianAlphs

```

## 62 File xepersian-magazine.cls

```

4350 \NeedsTeXFormat{LaTeX2e}
4351 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4352 \RequirePackage{ifthen}
4353 \newlength{\xepersian@imgsize}
4354 \newlength{\xepersian@coltitsize}
4355 \newlength{\xepersian@pageneed}
4356 \newlength{\xepersian@pageleft}
4357 \newlength{\xepersian@indexwidth}
4358 \newcommand{\xepersian@ncolumns}{0}
4359 \newlength{\columnlines}
4360 \setlength{\columnlines}{0 pt} % no lines by default
4361 \newboolean{xepersian@hyphenatedtitles}
4362 \setboolean{xepersian@hyphenatedtitles}{true}
4363 \newboolean{xepersian@ninepoints}
4364 \setboolean{xepersian@ninepoints}{false}
4365 \newboolean{xepersian@showgrid}
4366 \setboolean{xepersian@showgrid}{false}
4367 \newboolean{xepersian@a3paper}
4368 \setboolean{xepersian@a3paper}{false}
4369 \newboolean{xepersian@insidefrontpage}
4370 \setboolean{xepersian@insidefrontpage}{false}
4371 \newboolean{xepersian@insideweather}
4372 \setboolean{xepersian@insideweather}{false}
4373 \newboolean{xepersian@insideindex}
4374 \setboolean{xepersian@insideindex}{false}
4375 \newcount\xepersian@gridrows
4376 \newcount\xepersian@gridcolumns
4377 \xepersian@gridrows=40

```



```

4378 \xepersian@gridcolumns=50
4379 \newcount\minraggedcols
4380 \minraggedcols=5
4381 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4382 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4383 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4384 \DeclareOption{twocolumn}%
4385 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4386 \DeclareOption{notitlepage}%
4387 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4388 \DeclareOption{twoside}%
4389 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4390 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4391 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4392 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4393 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4394 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4395 \ProcessOptions\relax
4396 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4397 \RequirePackage{ifxetex}
4398 \RequirePackage{multido}
4399 \RequirePackage{datetime}
4400 \RequirePackage{multicol}
4401 \RequirePackage{fancyhdr}
4402 \RequirePackage{fancybox}
4403 \ifthenelse{\boolean{xepersian@a3paper}}{%
4404 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4405 }{
4406 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4407 }
4408 \RequirePackage[absolute]{textpos} % absolute positioning
4409 \RequirePackage{hyphenat} % when hyphenate
4410 \RequirePackage{lastpage} % to know the last page number
4411 \RequirePackage{setspace} % set space between lines
4412 \RequirePackage{ragged2e}
4413 \newcommand{\raggedFormat}{\RaggedLeft}
4414 \AtEndOfClass{xepersianInit}
4415 \ifthenelse{\boolean{xepersian@showgrid}}{%
4416 \AtBeginDocument{
4417 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4418 \advance\minraggedcols by -1
4419 }{%
4420 \AtBeginDocument{
4421 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4422 \advance\minraggedcols by -1
4423 }
4424 \ifthenelse{\boolean{xepersian@ninepoints}}{
4425 \renewcommand{\normalsize}{%
4426 \setfontsize{\normalsize}{9pt}{10pt}%
4427 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4428 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4429 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4430 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4431

```





```

4432 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
4433
4434 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4435
4436 \renewcommand{\small}{%
4437   \@setfontsize{\small}{8pt}{9pt}%
4438   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4439   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4440   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4441   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4442
4443 \renewcommand{\footnotesize}{%
4444   \@setfontsize{\footnotesize}{8pt}{9pt}%
4445   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4446   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4447   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4448   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4449
4450 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4451 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4452 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4453 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4454 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4455 }{}
4456 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4457 \newcommand{\xepersian@wwwFormat}{\sffamily}
4458 \newcommand{\xepersian@www}{%
4459   \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4460 }
4461 \newcommand{\xepersian@edition}{%
4462   \newcommand{\editionFormat}{\large\bfseries\texttt}
4463   \newcommand{\xepersian@editionLogo}{%
4464     \raisebox{-3pt}{%
4465       {\editionFormat\xepersian@edition}%
4466     }}%
4467 }
4468 \newcommand{\indexFormat}{\large\bfseries}
4469 \newcommand{\xepersian@indexFrameTitle}[1]
4470 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4471
4472 \newcommand{\indexEntryFormat}{\normalsize}
4473 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4474   {\indexEntryFormat\noindent\ignorespaces{#1}}%
4475   \end{minipage}}
4476 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4477 \newcommand{\indexEntryPageTxt}{%
4478   \newcommand{\indexEntryPageFormat}{\footnotesize}
4479   \newcommand{\xepersian@indexEntryPage}[1]{%
4480     {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4481   }
4482   \newcommand{\headDateTimeFormat}{%
4483     \newcommand{\xepersian@headDateTime}{%
4484       \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4485       \currenttime %

```



```

4486 }
4487 \newcommand{\weatherFormat}{\bfseries}
4488 \newcommand{\xepersian@weather}[1]{%
4489 \noindent{\weatherFormat #1}%
4490 }
4491 \newcommand{\weatherTempFormat}{\small}
4492 \newcommand{\weatherUnits}{\textdegree{C}}
4493 \newcommand{\xepersian@section}[0]{ {
4494 \newcommand{\xepersian@headleft}{%
4495 {\small\bfseries \@custommagazinename} \date
4496 }
4497 \newcommand{\xepersian@headcenter}{%
4498 \xepersian@section{
4499 }
4500 \newcommand{\xepersian@headright}{%
4501 \small\xepersian@edition%
4502 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4503 }
4504
4505 \newcommand{\heading}[3]{%
4506 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4507 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4508 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4509 }
4510 \newcommand{\xepersian@footright}{%
4511 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4512 }
4513 \newcommand{\xepersian@footcenter}{%
4514 }
4515 \newcommand{\xepersian@footleft}{%
4516 }
4517
4518 \newcommand{\foot}[3]{%
4519 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4520 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4521 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4522 }
4523 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4524 \newcommand{\xepersian@firstTitle}[1]{%
4525 {%
4526 \begin{spacing}{2.0}{%
4527 \noindent\ignorespaces
4528 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4529 {\nohyphens{\firstTitleFormat #1}}%
4530 {\firstTitleFormat #1}}%
4531 }%
4532 \end{spacing}%
4533 }%
4534 }
4535 \newcommand{\firstTextFormat}{%
4536 \newcommand{\xepersian@firstText}[1]{%
4537 {\noindent\ignorespaces\firstTextFormat #1}%
4538 }
4539 \newcommand{\secondTitleFormat}{\LARGE\bfseries}

```



```

4540 \newcommand{\xepersian@secondTitle}[1]{%
4541 \begin{spacing}{1.5}{%
4542 \noindent\ignorespaces\flushright
4543 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4544 {\nohyphens{\secondTitleFormat #1}}%
4545 {\secondTitleFormat #1}}%
4546 }\end{spacing}%
4547 }
4548 \newcommand{\secondSubtitleFormat}{\large}
4549 \newcommand{\xepersian@secondSubtitle}[1]{%
4550 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4551 }
4552 \newcommand{\secondTextFormat}{}
4553 \newcommand{\xepersian@secondText}[1]{%
4554 \begin{multicols}{2}
4555 {\noindent\ignorespaces\secondTextFormat #1}
4556 \end{multicols}
4557 }
4558 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4559 \newcommand{\xepersian@thirdTitle}[1]{%
4560 \begin{spacing}{1.5}{%
4561 \noindent\ignorespaces\flushright
4562 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4563 {\nohyphens{\thirdTitleFormat #1}}%
4564 {\thirdTitleFormat #1}}%
4565 }\end{spacing}%
4566 }
4567 \newcommand{\thirdSubtitleFormat}{\large}
4568 \newcommand{\xepersian@thirdSubtitle}[1]{%
4569 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4570 \newcommand{\thirdTextFormat}{}
4571 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4572 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4573 \newcommand{\xepersian@pictureCaption}[1]{%
4574 {\noindent\pictureCaptionFormat #1}}%
4575 }
4576 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4577 \newcommand{\xepersian@pages}[1]{%
4578 {\noindent{\pagesFormat\MakeUppercase{#1}}}}
4579 \newcommand{\innerTitleFormat}{\Huge}
4580 \newcommand{\xepersian@innerTitle}[1]{%
4581 \begin{flushright}{%
4582 \noindent
4583 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4584 {\nohyphens{\innerTitleFormat #1}}%
4585 {\innerTitleFormat #1}}%
4586 }%
4587 \\\%
4588 \end{flushright}}%
4589 }
4590 \newcommand{\innerSubtitleFormat}{\large}
4591 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4592 \newcommand{\timestampTxt}{}
4593 \newcommand{\timestampSeparator}{|}

```



```

4594 \newcommand{\timestampFormat}{\small}
4595 \newcommand{\timestamp}[1]{%
4596 {\timestampFormat%
4597 #1~\timestampTxt{}}%
4598 }~\timestampSeparator{}}%
4599 }
4600 \newcommand{\innerAuthorFormat}{\footnotesize}
4601 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4602 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4603 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4604 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4605 \newcommand{\editorialAuthorFormat}{\textsc}
4606 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4607 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4608 \newcommand{\shortarticleSubtitleFormat}{\Large}
4609 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4610 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4611 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4612 \renewcommand{\maketitle}{\begin{titlepage}%
4613 \let\footnotesize\small
4614 \let\footnoterule\relax
4615 \let \footnote \thanks
4616 \null\vfil
4617 \vskip 60\p@
4618 \begin{center}%
4619 {\LARGE \@title \par}%
4620 \vskip 1em%
4621 {\LARGE «\xepersian@edition» \par}%
4622 \vskip 3em%
4623 {\large
4624 \lineskip .75em%
4625 \begin{tabular}[t]{c}%
4626 \@author
4627 \end{tabular}\par}%
4628 \vskip 1.5em%
4629 {\large \@date \par}%
4630 \end{center}\par
4631 \@thanks
4632 \vfil\null
4633 \end{titlepage}%
4634 \setcounter{footnote}{0}%
4635 \global\let\thanks\relax
4636 \global\let\maketitle\relax
4637 \global\let\@thanks\@empty
4638 \global\let\@author\@empty
4639 \global\let\@date\@empty
4640 \global\let\@title\@empty
4641 \global\let\title\relax
4642 \global\let\author\relax
4643 \global\let\date\relax
4644 \global\let\and\relax
4645 }
4646 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4647 \newsavebox{\xepersian@fmbbox}

```



```

4648 \newenvironment{xepersian@fmpage}[1]
4649 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4650 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4651 \newcommand{\image}[2]{
4652 \vspace{5pt}
4653 \setlength{\fboxsep}{1pt}
4654 \addtolength{\xepersian@imgsize}{\columnwidth}
4655 \addtolength{\xepersian@imgsize}{-1\columnsep}
4656 \ifxetex
4657 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4658 \addtolength{\xepersian@pageneed}{50pt}
4659 \ClassWarning{xepersian-magazine}{%
4660 Image #1 needs: \the\xepersian@pageneed \space %
4661 and there is left: \the\page@free\space%
4662 }
4663 \ifdim \xepersian@pageneed < \page@free
4664
4665 {\centering\fbox{%
4666 \includegraphics[width = \xepersian@imgsize,
4667 height = \xepersian@imgsize,
4668 keepaspectratio ]{#1}}}
4669 \xepersian@pictureCaption{#2}
4670
4671 \vspace{5pt}
4672 \else
4673 \ClassWarning{Image #1 needs more space!%
4674 It was not inserted!}
4675 \fi
4676 \fi
4677 }
4678 \textblockorigin{1cm}{1cm}
4679 \newdimen\xepersian@dx
4680 \newdimen\xepersian@dy
4681 \newcount\xepersian@cx
4682 \newcount\xepersian@cy
4683 \newcommand{\grid}[3][ ]{
4684 \xepersian@dx=\textwidth%
4685 \xepersian@dy=\textheight%
4686 \xepersian@cx=#3% %columns
4687 \xepersian@cy=#2% %rows
4688
4689 \count1=#3%
4690 \advance\count1 by 1
4691
4692 \count2=#2%
4693 \advance\count2 by 1
4694
4695 \divide\xepersian@dx by #3
4696 \divide\xepersian@dy by #2
4697
4698 \setlength{\TPHorizModule}{\xepersian@dx}
4699 \setlength{\TPVertModule}{\xepersian@dy}
4700
4701 \ifthenelse{\equal{#1}{show}}{

```



```

4702 \multido{\xepersian@nrow=0+1}{\count2}{
4703 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4704 \rule[0pt]{\textwidth}{.1pt}
4705 \end{textblock}
4706 }
4707
4708 \multido{\xepersian@ncol=0+1}{\count1}{
4709 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4710 \rule[0pt]{.1pt}{\textheight}
4711 \end{textblock}
4712 }
4713 }{}
4714 }
4715 \newcommand{\xepersianInit}{
4716 \setlength{\headheight}{14pt}
4717 \renewcommand{\headrulewidth}{0.4pt}
4718
4719 \pagestyle{fancy}
4720
4721 \setlength{\columnseprule}{\columnlines}
4722 \setlength{\fboxrule}{0.1 pt}
4723
4724 }
4725
4726 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4727 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4728 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4729 \newcommand{\logo}[0]{
4730 %% Heading %%
4731 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4732
4733 \vspace*{-3pt}
4734
4735 {\Large\bfseries \@customlogo}
4736 \hrulefill
4737 \hspace{10pt}\xepersian@headDateTime
4738
4739 }
4740 \newcommand{\minilogo}[0]{
4741 {\Large\bfseries \@customminilogo}
4742
4743 \vspace*{5pt}
4744 }
4745 \newcommand{\mylogo}[1]{
4746 {\beginR#1\endR}
4747
4748 \noindent
4749 \xepersian@editionLogo\hspace{5pt}
4750 \hrulefill
4751 \hspace{5pt}\xepersian@headDateTime
4752 }
4753 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{\#1}}
4754 \newenvironment{frontpage}[0]
4755 {

```



```

4756 \setboolean{xepersian@insidefrontpage}{true}
4757 \thispagestyle{empty}
4758 \logo
4759
4760 }%
4761 {
4762 \thispagestyle{empty}
4763 \clearpage
4764 \newpage
4765 \fancyhead{}
4766 \fancyfoot{}
4767 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4768 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4769 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4770 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4771 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4772 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4773 \renewcommand{\headrulewidth}{0.4pt}
4774 \setboolean{xepersian@insidefrontpage}{false}
4775
4776 }
4777 \newcommand{\firstarticle}[3]
4778 {
4779 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4780 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4781 \begin{textblock}{24}(22,5)
4782 }
4783 {
4784 \begin{textblock}{28}(22,5)
4785 }
4786 \vspace{-7pt}
4787 \xepersian@firstTitle{#1}
4788 \end{textblock}
4789 \begin{textblock}{29}(22,10)
4790 \vspace{5pt plus 2pt minus 2pt}
4791
4792 \xepersian@firstText{\timestamp{#3}~#2}
4793
4794 \end{textblock}
4795
4796 \begin{textblock}{50}(0,15)
4797 \rule{50\TPHorizModule}{.3pt}
4798 \end{textblock}
4799 }{%else
4800 \ClassError{xepersian-magazine}{%
4801 \protect\firstarticle\space in a wrong place.\MessageBreak
4802 \protect\firstarticle\space may only appear inside frontpage environment.
4803 }{%
4804 \protect\firstarticle\space may only appear inside frontpage environment.
4805 }%
4806 }
4807 }
4808 \newcommand{\secondarticle}[5]
4809 {

```



```

4810 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4811 \begin{textblock}{33}(2,16)
4812 \xepersian@pages{#4}
4813 \vspace{-5pt}
4814 \xepersian@secondTitle{#1}
4815
4816 \vspace*{5pt}
4817
4818 \xepersian@secondSubtitle{#2}
4819
4820 \vspace*{-7pt}
4821
4822 \xepersian@secondText{\timestamp{#5}~#3}
4823
4824 \end{textblock}
4825
4826 \begin{textblock}{33}(2,25)
4827 \vspace{5pt plus 2pt minus 2pt}
4828
4829 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4830 \end{textblock}
4831 }{%else
4832 \ClassError{xepersian-magazine}{%
4833 \protect\secondarticle\space in a wrong place.\MessageBreak
4834 \protect\secondarticle\space may only appear inside frontpage environment.
4835 }{%
4836 \protect\secondarticle\space may only appear inside frontpage environment.
4837 }%
4838 }
4839 }
4840 \newcommand{\thirdarticle}[6]
4841 {
4842 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4843 \begin{textblock}{32}(2,26)
4844 \xepersian@pages{#5}
4845 \vspace{-5pt}
4846 \setlength{\fboxsep}{1pt}
4847 \xepersian@thirdTitle{#1}
4848
4849 \vspace*{5pt}
4850
4851 \xepersian@thirdSubtitle{#2}
4852
4853 \vspace*{5pt}
4854
4855 {\noindent\ignorespaces %
4856 \ifthenelse{\equal{#4}{}}{}{}
4857
4858 \xepersian@thirdText{\timestamp{#6}~#3}
4859
4860 }
4861
4862 \vspace*{5pt}
4863

```





```

4864 \end{textblock}
4865 }{%else
4866 \ClassError{xepersian-magazine}{%
4867 \protect\thirdarticle\space in a wrong place.\MessageBreak
4868 \protect\thirdarticle\space may only appear inside frontpage environment.
4869 }{%
4870 \protect\thirdarticle\space may only appear inside frontpage environment.
4871 }%
4872 }
4873 }
4874 \newcommand{\firstimage}[2]
4875 {
4876 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4877 \begin{textblock}{18}(2,5)
4878 \setlength{\fboxsep}{1pt}
4879 \ifxetex % only in PDF
4880 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4881 \fi
4882
4883 \xepersian@pictureCaption{#2}
4884 \end{textblock}%
4885 }
4886 {\ClassError{xepersian-magazine}{%
4887 \protect\firstimage\space in a wrong place.\MessageBreak
4888 \protect\firstimage\space may only appear inside frontpage environment.
4889 }{%
4890 \protect\firstimage\space may only appear inside frontpage environment.
4891 }}
4892 }%
4893 \newcommand{\weatheritem}[5]{%
4894 \ifthenelse{\boolean{xepersian@insideweather}}{
4895 \begin{minipage}{45pt}
4896 \ifxetex
4897 \includegraphics[width=40pt]{#1}
4898 \fi
4899 \end{minipage}
4900 \begin{minipage}{50pt}
4901 \weatherTempFormat
4902 #2\\
4903 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4904 #5
4905 \end{minipage}
4906 }{%else
4907 \ClassError{xepersian-magazine}{%
4908 \protect\weatheritem\space in a wrong place.\MessageBreak
4909 \protect\weatheritem\space may only appear inside weatherblock environment.
4910 }{%
4911 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4912 weatherblock environment may only appear inside frontpage environment.
4913 }%
4914 }
4915 }
4916 \newenvironment{weatherblock}[1]
4917 {

```



```

4918 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4919 \setboolean{xepersian@insideweather}{true}
4920 \begin{textblock}{32}(2,38)
4921 \vspace*{-15pt}
4922
4923 \xepersian@weather{\beginR#1\endR}
4924
4925 \vspace*{5pt}
4926
4927 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4928 \begin{minipage}{32\TPHorizModule}
4929 \hspace{5pt}
4930
4931 }{%
4932 \ClassError{xepersian-magazine}{%
4933 weatherblock in a wrong place.\MessageBreak
4934 weatherblock may only appear inside frontpage environment.
4935 }{%
4936 weatherblock may only appear inside frontpage environment.
4937 }
4938 }
4939 }%
4940 {
4941 \end{minipage}
4942 \end{xepersian@fmpage}
4943 \end{textblock}
4944 \setboolean{xepersian@insideweather}{false}
4945 }
4946 \newenvironment{authorblock}[0]
4947 {
4948 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4949 \begin{textblock}{15}(36,35)
4950 \setlength{\fboxsep}{5pt}
4951 \begin{xepersian@fmpage}{13\TPHorizModule}
4952 \begin{minipage}{13\TPHorizModule}
4953 \centering
4954 \minilogo
4955
4956 }{%else
4957 \ClassError{xepersian-magazine}{%
4958 authorblock in a wrong place.\MessageBreak
4959 authorblock may only appear inside frontpage environment.
4960 }{%
4961 authorblock may only appear inside frontpage environment.
4962 }
4963 }
4964 }
4965 {
4966 \end{minipage}
4967 \end{xepersian@fmpage}
4968 \end{textblock}
4969 }
4970 \newenvironment{indexblock}[1]
4971 {

```



```

4972 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4973 \setboolean{xepersian@insideindex}{true}%let's in
4974 \begin{textblock}{15}(36,16)
4975 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4976 \xepersian@indexFrameTitle{#1}
4977
4978 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4979 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4980 \begin{minipage}{\xepersian@indexwidth}
4981 \vspace*{10pt}
4982 }{%else
4983 \ClassError{xepersian-magazine}{%
4984 indexblock in a wrong place.\MessageBreak
4985 indexblock may only appear inside frontpage environment.
4986 }{%
4987 indexblock may only appear inside frontpage environment.
4988 }
4989 }
4990 }%
4991 {
4992 \end{minipage}
4993 \end{xepersian@fmpage}
4994 \end{textblock}
4995 \setboolean{xepersian@insideindex}{false}%let's out
4996 }
4997 \newcommand{\indexitem}[2]
4998 {
4999 \ifthenelse{\boolean{xepersian@insideindex}}{
5000 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5001
5002 \vspace{0.5cm}
5003
5004 \noindent\ignorespaces\indexEntrySeparator{
5005 }{%else
5006 \ClassError{xepersian-magazine}{%
5007 \protect\indexitem\space in a wrong place.\MessageBreak
5008 \protect\indexitem\space may only appear inside indexblock environment.
5009 }{%
5010 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5011 indexblock environment may only appear inside frontpage environment.
5012 }%
5013 }
5014 }
5015 \newcommand{\xepersian@inexpandedtitle}[1]{
5016 \begin{minipage}{.95\textwidth}
5017 \begin{center}
5018 \noindent\Large\textbf{\beginR#1\endR}
5019 \end{center}
5020 \end{minipage}
5021 }
5022 \newcommand{\expandedtitle}[2]{
5023 \end{multicols}
5024
5025 \begin{center}

```



```

5026 \setlength{\fboxsep}{5pt}
5027 \setlength{\shadowsize}{2pt}
5028 \ifthenelse{\equal{#1}{shadowbox}}{%
5029 \shadowbox{%
5030 \xepersian@inexpandedtitle{#2}%
5031 }%
5032 }{}
5033 \ifthenelse{\equal{#1}{doublebox}}{%
5034 \doublebox{%
5035 \xepersian@inexpandedtitle{#2}%
5036 }%
5037 }{}
5038 \ifthenelse{\equal{#1}{ovalbox}}{%
5039 \ovalbox{%
5040 \xepersian@inexpandedtitle{#2}%
5041 }%
5042 }{}
5043 \ifthenelse{\equal{#1}{Ovalbox}}{%
5044 \Ovalbox{%
5045 \xepersian@inexpandedtitle{#2}%
5046 }%
5047 }{}
5048 \ifthenelse{\equal{#1}{lines}}{
5049 \hrule
5050 \vspace*{8pt}
5051 \begin{center}
5052 \noindent\Large\textbf{#2}
5053 \end{center}
5054 \vspace*{8pt}
5055 \hrule
5056 }{}
5057 \end{center}
5058
5059 \begin{multicols}{\xepersian@ncolumns}
5060 \ifnum \xepersian@ncolumns > \minraggedcols
5061 \raggedFormat
5062 \fi
5063 }
5064 \newcommand{\xepersian@incolumntitle}[2]{
5065 \begin{minipage}{#1}
5066 \begin{center}
5067 \noindent\normalsize\textbf{#2}
5068 \end{center}
5069 \end{minipage}
5070 }
5071
5072 \newcommand{\columntitle}[2]{
5073 \vspace*{5pt}
5074 \begin{center}
5075 \setlength{\fboxsep}{5pt}
5076 \setlength{\shadowsize}{2pt}
5077 \addtolength{\xepersian@coltitsize}{\columnwidth}
5078 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5079 \addtolength{\xepersian@coltitsize}{-5pt}

```



```

5080 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5081 \ifthenelse{\equal{#1}{shadowbox}}{%
5082 \shadowbox{%
5083 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5084 }%
5085 }{}
5086 \ifthenelse{\equal{#1}{doublebox}}{%
5087 \doublebox{%
5088 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5089 }%
5090 }{}
5091 \ifthenelse{\equal{#1}{ovalbox}}{%
5092 \ovalbox{%
5093 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5094 }%
5095 }{}
5096 \ifthenelse{\equal{#1}{Ovalbox}}{%
5097 \Ovalbox{%
5098 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5099 }%
5100 }{}
5101 \ifthenelse{\equal{#1}{lines}}{
5102 \hrule
5103 \vspace*{5pt}
5104 \begin{center}
5105 \noindent\normalsize\textbf{#2}
5106 \end{center}
5107 \vspace*{5pt}
5108 \hrule
5109 }{}
5110 \end{center}
5111 }
5112 \renewcommand{\date}{%
5113 \longdate{\today}%
5114 }
5115 \newcommand{\authorandplace}[2]{%
5116 \rightline{%
5117 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
5118 }%
5119 \par %
5120 }
5121 \newcommand{\newsection}[1]{
5122 \renewcommand{\xepersian@section}{#1}
5123 }
5124 \newenvironment{article}[5]
5125 {
5126 \xepersian@say{Adding a new piece of article}
5127 \renewcommand{\xepersian@ncolumns}{#1}
5128 \begin{multicols}{#1}[
5129 \xepersian@pages{#4}
5130 \xepersian@innerTitle{#2}%
5131 \xepersian@innerSubtitle{#3}%
5132 ] [4cm]%
5133 \label{#5}

```



```

5134 \ifnum #1 > \minraggedcols
5135 \raggedFormat
5136 \fi
5137 }
5138 {\innerTextFinalMark{}}
5139 \end{multicols}
5140 }
5141 \newcommand{\articlesep}{%
5142 \setlength{\xepersian@pageneed}{16000pt}
5143 \setlength{\xepersian@pageleft}{\pagegoal}
5144 \addtolength{\xepersian@pageleft}{-\pagetotal}
5145
5146 \xepersian@say{How much left \the\xepersian@pageleft}
5147
5148 \ifdim \xepersian@pageneed < \xepersian@pageleft
5149 \xepersian@say{Not enough space}
5150 \else
5151 \xepersian@say{Adding sep line between articles}
5152 \vspace*{10pt plus 10pt minus 5pt}
5153 \hrule
5154 \vspace*{10pt plus 5pt minus 5pt}
5155 \fi
5156
5157 }
5158 \newcommand{\xepersian@editorialTit}[2]{
5159 \setlength{\arrayrulewidth}{.1pt}
5160 \begin{center}
5161 \begin{tabular}{c}
5162 \noindent
5163 \xepersian@editorialTitle{#1}
5164 \vspace{2pt plus 1pt minus 1pt}
5165 \\
5166 \hline
5167 \vspace{2pt plus 1pt minus 1pt}
5168 \\
5169 \editorialAuthorFormat{#2}
5170 \end{tabular}
5171 \end{center}
5172 }
5173 \newenvironment{editorial}[4]
5174 {
5175 \xepersian@say{Adding a new editorial}
5176 \begin{multicols}{#1}[%
5177 \xepersian@editorialTit{#2}{#3}%
5178 ] [4cm]
5179 \label{#4}
5180 \ifnum #1 > \minraggedcols
5181 \raggedFormat
5182 \fi
5183 }
5184 {
5185 \end{multicols}
5186 }
5187 \newcommand{\xepersian@shortarticleTit}[2]{

```



```

5188 \begin{center}
5189 \vbox{%
5190 \noindent
5191 \xepersian@shortarticleTitle{#1}
5192 \vspace{4pt plus 2pt minus 2pt}
5193 \hrule
5194 \vspace{4pt plus 2pt minus 2pt}
5195 \xepersian@shortarticleSubtitle{#2}
5196 }
5197 \end{center}
5198 }
5199 \newenvironment{shortarticle}[4]
5200 {
5201 \xepersian@say{Adding a short article block}
5202 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5203 \label{#4}
5204 \par %
5205 \ifnum #1 > \minraggedcols
5206 \raggedFormat
5207 \fi
5208 }
5209 {
5210 \end{multicols}
5211 }
5212 \newcommand{\shortarticleitem}[2]{
5213 \goodbreak
5214 \vspace{5pt plus 3pt minus 3pt}
5215 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5216 \vspace{5pt plus 3pt minus 3pt}
5217 {\noindent #2}\\
5218 }

```

## 63 File xepersian-mathdigitspec.sty

```

5219 \NeedsTeXFormat{LaTeX2e}
5220 \ProvidesPackage{xepersian-mathdigitspec}
5221 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5222 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5223 \let\newfam\new@mathgroup
5224 \def\select@group#1#2#3#4{%
5225 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5226 {%
5227 \ifmmode
5228 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5229 \begingroup
5230 \escapechar\m@ne
5231 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5232 \globaldefs\@ne \math@fonts
5233 \endgroup
5234 \init@restore@version
5235 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5236 {\number\csname c@mv@\math@version\endcsname}}%
5237 \global\advance\csname c@mv@\math@version\endcsname\@ne
5238 \else

```



```

5239 \let#1\relax
5240 \@latex@error{Too many math alphabets used in
5241 version \math@version}%
5242 \@eha
5243 \fi
5244 \else \expandafter\non@alpherr\fi
5245 #1{#4}%
5246 }%
5247 }
5248 \def\document@select@group#1#2#3#4{%
5249 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5250 {%
5251 \ifmmode
5252 \ifnum\csname c@mv@\math@version\endcsname<\@ccclvi
5253 \begingroup
5254 \escapechar\m@ne
5255 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5256 \globaldefs\@ne \math@fonts
5257 \endgroup
5258 \expandafter\extract@alph@from@version
5259 \csname mv@\math@version\expandafter\endcsname
5260 \expandafter{\number\csname
5261 c@mv@\math@version\endcsname}%
5262 #1%
5263 \global\advance\csname c@mv@\math@version\endcsname\@ne
5264 \else
5265 \let#1\relax
5266 \@latex@error{Too many math alphabets used
5267 in version \math@version}%
5268 \@eha
5269 \fi
5270 \else \expandafter\non@alpherr\fi
5271 #1{#4}%
5272 }%
5273 }
5274 \ExplSyntaxOn
5275 \bool_set_false:N \g__fontspec_math_bool
5276 \tl_map_inline:nn
5277 {
5278 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5279 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5280 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5281 \version@list\version@elt\alpha@list\alpha@elt
5282 \restore@mathversion\init@restore@version\dorestore@version\process@table
5283 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5284 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5285 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5286 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5287 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5288 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5289 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
5290 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5291 }
5292 {

```





```

5293 \tl_remove_once:Nn \@preamblecmds {\do#1}
5294 }
5295 \ExplSyntaxOff
5296 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
5297 \newcommand\SetMathCode[4]{%
5298   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5299 \newcommand\SetMathCharDef[4]{%
5300   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5301 \ExplSyntaxOn
5302 \cs_new_eq:NN \orig_mathbf:n \mathbf
5303 \cs_new_eq:NN \orig_mathit:n \mathit
5304 \cs_new_eq:NN \orig_mathrm:n \mathrm
5305 \cs_new_eq:NN \orig_mathsf:n \mathsf
5306 \cs_new_eq:NN \orig_mathtt:n \mathtt
5307 %\int_const:Nn \c_one_int { 1 }
5308 \NewDocumentCommand \new@mathbf { m } {
5309   \orig_mathbf:n {
5310     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5311       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5312     }
5313     #1
5314   }
5315 }
5316 \NewDocumentCommand \new@mathit { m } {
5317   \orig_mathit:n {
5318     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5319       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5320     }
5321     #1
5322   }
5323 }
5324 \NewDocumentCommand \new@mathrm { m } {
5325   \orig_mathrm:n {
5326     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5327       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5328     }
5329     #1
5330   }
5331 }
5332 \NewDocumentCommand \new@mathsf { m } {
5333   \orig_mathsf:n {
5334     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5335       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5336     }
5337     #1
5338   }
5339 }
5340 \NewDocumentCommand \new@mathtt { m } {
5341   \orig_mathtt:n {
5342     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5343       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5344     }
5345     #1
5346   }

```



```

5347 }
5348
5349 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigi
5350 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5351 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5352 \char_set_catcode_space:n {32}
5353 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5354 {
5355 The font "#1" does not contain U+#2.
5356 }
5357 {
5358 Select another font and rerun xelatex.
5359 }
5360 \char_set_catcode_ignore:n {32}
5361
5362 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5363 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5364 {
5365 \tex_iffontchar:D \l_fontspeg_font "#1 \scan_stop:
5366 \prg_return_true:
5367 \else:
5368 \prg_return_false:
5369 \fi:
5370 }
5371
5372 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5373
5374 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5375 {
5376 \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5377 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5378 \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5379 }
5380 }
5381
5382 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5383 {
5384 \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5385 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5386 \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5387 }
5388 }
5389
5390 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5391 {
5392 \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5393 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5394 \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5395 }
5396 }
5397
5398 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5399 {
5400 \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {

```



```

5401      06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5402      06F9 , 066A , 066B
5403    } { #1 }
5404  }
5405
5406 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5407 {
5408   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5409 }
5410 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5411 {
5412   \let\glb@currsize\relax
5413   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Ligatures=PersianTeX,#1} {#2}
5414   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5415   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5416   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5417   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfont}
5418   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfont}
5419   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfont}
5420   \__xepersian_mathdigitfontspec_char_not_exist_error:n { #2 }
5421   \def\persianmathdigits{%
5422     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5423     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5424     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5425     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5426     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5427     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5428     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5429     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5430     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5431     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5432     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5433     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5434     \tl_set_eq:NN \mathbf \new@mathbf
5435     \tl_set_eq:NN \mathit \new@mathit
5436     \tl_set_eq:NN \mathrm \new@mathrm}
5437 }
5438
5439 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5440
5441 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5442 {
5443   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5444 }
5445 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5446 {
5447   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfontfamily_tl {Ligatures=PersianTeX,#1} {#2}
5448   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5449   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfdigitfont}
5450   \__xepersian_mathsfdigitfontspec_char_not_exist_error:n { #2 }
5451   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5452 }
5453
5454 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn

```



```

5455
5456 \DeclareDocumentCommand \setmathttdigitfont { 0{ } m 0{ } }
5457 {
5458   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5459 }
5460 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5461 {
5462   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5463   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5464   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5465   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5466   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5467 }
5468
5469 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5470
5471 \ExplSyntaxOff
5472 \mathchardef\decimalseparator@point="013A
5473 %%%
5474 % \catcode`\.=\active
5475 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5476 \bgroup
5477 \uccode`~`\.%
5478 \uppercase{%
5479 \egroup
5480 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5481 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparat
5482 \def\decimalseparator@check#1#2{%
5483   \ifx\@let@token1\endgroup#1\else
5484     \ifx\@let@token2\endgroup#1\else
5485       \ifx\@let@token3\endgroup#1\else
5486         \ifx\@let@token4\endgroup#1\else
5487           \ifx\@let@token5\endgroup#1\else
5488             \ifx\@let@token6\endgroup#1\else
5489               \ifx\@let@token7\endgroup#1\else
5490                 \ifx\@let@token8\endgroup#1\else
5491                   \ifx\@let@token9\endgroup#1\else
5492                     \ifx\@let@token0\endgroup#1\else
5493                       \ifx\@let@token\dot\endgroup#1\else
5494                         \ifx\@let@token\overline\endgroup#1\else
5495                           \endgroup#2%
5496                         \fi
5497                       \fi
5498                     \fi
5499                   \fi
5500                 \fi
5501               \fi
5502             \fi
5503           \fi
5504         \fi
5505       \fi
5506     \fi
5507   \fi}
5508 \mathcode`.="8000\relax

```



```

5509 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined.\else\persiandecimalsepar
5510 \def\DefaultMathDecimalSeparator{.}
5511 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5512 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5513 \def\DefaultMathDigits{%
5514   \DefaultInlineMathDigits%
5515   \DefaultDisplayMathDigits%
5516 }
5517 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5518   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5519   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5520   \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5521 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5522   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5523   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5524   \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5525 \def\PersianMathDigits{%
5526   \PersianInlineMathDigits%
5527   \PersianDisplayMathDigits%
5528 }
5529 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5530   \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5531   \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5532   \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5533 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5534   \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5535   \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5536   \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5537 \def\AutoMathDigits{%
5538   \AutoInlineMathDigits%
5539   \AutoDisplayMathDigits%
5540 }
5541 \AutoMathDigits
5542 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5543   \let\SetDisplayMathDigits\relax%
5544 }
5545 \everydisplay\expandafter{%
5546   \the\everydisplay\SetDisplayMathDigits%
5547   \let\SetInlineMathDigits\relax%
5548 }
5549
5550 \ExplSyntaxOn
5551 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5552
5553 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5554   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5555     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5556   }
5557   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5558   \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5559   \tl_set_eq:NN \mathbf \orig_mathbf:n
5560   \tl_set_eq:NN \mathit \orig_mathit:n
5561   \tl_set_eq:NN \mathrm \orig_mathrm:n
5562   \tl_set_eq:NN \mathsf \orig_mathsf:n

```



```

5563 \tl_set_eq:NN \mathtt \orig_mathtt:n
5564 }
5565
5566 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5567 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5568 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5569 }
5570 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5571 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5572 \tl_set_eq:NN \mathbf \new@mathbf
5573 \tl_set_eq:NN \mathit \new@mathit
5574 \tl_set_eq:NN \mathrm \new@mathrm
5575 \tl_set_eq:NN \mathsf \new@mathsf
5576 \tl_set_eq:NN \mathtt \new@mathtt
5577 }
5578 \ExplSyntaxOff

```

## 64 File xepersian-multiplechoice.sty

```

5579 \NeedsTeXFormat{LaTeX2e}
5580 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5581 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5582 \RequirePackage{pifont}
5583 \RequirePackage{fullpage}
5584 \RequirePackage{ifthen}
5585 \RequirePackage{calc}
5586 \RequirePackage{verbatim}
5587 \RequirePackage{tabularx}
5588 \def\@headerfont{\bfseries}
5589 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5590 \def\@X{X}
5591 \newcommand\X[1]{\gdef\@X{#1}}
5592 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5593 \newcolumntype{D}{>{\pbs\centering}X}
5594 \newcolumntype{Q}{>{\@headerfont}X}
5595
5596 \renewcommand\tabularxcolumn[1]{m{#1}}
5597 \newcommand\makeform@nocorrection{%
5598 \addtocontents{frm}{\protect\end{tabularx}}
5599 \@starttoc{frm}}
5600 \newcommand\makeform@correction{%
5601 \addtocontents{frm}{\protect\end{tabularx}}}
5602 \newcommand\makemask@nocorrection{%
5603 \addtocontents{msk}{\protect\end{tabularx}}
5604 \@starttoc{msk}}
5605 \newcommand\makemask@correction{%
5606 \addtocontents{msk}{\protect\end{tabularx}}}
5607 \newlength\questionspace
5608 \setlength\questionspace{0pt}
5609 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5610 \def\@answerstitlefont{\bfseries}
5611 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5612 \def\@answernumberfont{\bfseries}
5613 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}

```



```

5614 \newcounter{question}\stepcounter{question}
5615 \newcounter{@choice}
5616 \def\@initorcheck{%
5617   \xdef\@choices{\the@choice}%
5618   \setcounter{@choice}{1}%
5619   \gdef\@arraydesc{|Q||}%
5620   \gdef\@headerline{%
5621     \whiledo{\not{\value{@choice}>\@choices}}{
5622       \xdef\@arraydesc{\@arraydesc D|}
5623       \def\@appendheader{\g@addto@macro\@headerline}
5624       \@appendheader{&\protect\@headerfont}
5625       \edef\@the@choice{\alph{@choice}}
5626       \expandafter\@appendheader\@the@choice
5627       \stepcounter{@choice}}%
5628   \addtocontents{frm}{%
5629     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5630     \protect\hline
5631     \@headerline\protect\\protect\hline\protect\hline}%
5632   \addtocontents{msk}{%
5633     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5634     \protect\hline
5635     \@headerline\protect\\protect\hline\protect\hline}%
5636   \gdef\@initorcheck{%
5637     \ifthenelse{\value{@choice} = \@choices}{}{%
5638       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5639         (\the@choice\space instead of \@choices)}{%
5640         Questions must all have the same number of proposed answers.%
5641         \MessageBreak
5642         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5643 \newenvironment{question}[1]{%
5644   %% \begin{question}
5645   \begin{minipage}{\textwidth}
5646     \xdef\@formanswerline{\@questionheader}%
5647     \xdef\@maskanswerline{\@questionheader}%
5648     \fbox{\parbox[c]{\linewidth}{#1}}
5649     \vspace{questionspace}\par
5650     {\@answerstitlefont\@answerstitle}
5651     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
5652   %% \end{question}
5653   \end{list}
5654   \@initorcheck%
5655   \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5656   \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5657   \end{minipage}
5658   \stepcounter{question}}
5659 \def\@truesymbol{\ding{52}~}
5660 \def\@falsesymbol{\ding{56}~}
5661 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5662 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5663 \def\@true@nocorrection{\item}
5664 \def\@false@nocorrection{\item}
5665 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5666 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5667 \newcommand\true{%

```



```

5668 \xdef\@formanswerline{\@formanswerline&}%
5669 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5670 \@true}%
5671 \newcommand\false{%
5672 \xdef\@formanswerline{\@formanswerline&}%
5673 \xdef\@maskanswerline{\@maskanswerline&}%
5674 \@false}%
5675 \def\@correctionstyle{\itshape}
5676 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5677 \newenvironment{correction}{\@correctionstyle}{%
5678 \def\@questionheader{ \thequestion}
5679 \answerstyle{ \:
5680 \DeclareOption{nocorrection}{%
5681 \let\@true\@true@nocorrection
5682 \let\@false\@false@nocorrection
5683 \let\correction\comment
5684 \let\endcorrection\endcomment
5685 \def\makeform{\makeform@nocorrection}
5686 \def\makemask{\makemask@nocorrection}}
5687 \DeclareOption{correction}{%
5688 \let\@true\@true@correction
5689 \let\@false\@false@correction
5690 \let\correction\@correction
5691 \let\endcorrection\end@correction
5692 \def\makeform{\makeform@correction}
5693 \def\makemask{\makemask@correction}}
5694 \ExecuteOptions{nocorrection}
5695 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5696 \def\@questiontitlefont{\bfseries}
5697 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5698 \newlength\questiontitlespace
5699 \setlength\questiontitlespace{5pt}
5700 \newlength\questionsepspace
5701 \setlength\questionsepspace{20pt}
5702 \gdef\@questionsepspace{0pt}
5703 \let\old@question\question
5704 \let\old@endquestion\endquestion
5705 \renewenvironment{question}[1]{%
5706 %% \begin{question}
5707 \vspace\@questionsepspace
5708 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5709 \nopagebreak\vspace\questiontitlespace\par
5710 \old@question{#1}}{%
5711 %% \end{question}
5712 \old@endquestion
5713 \gdef\@questionsepspace{\questionsepspace}}
5714 \questiontitle{ \thequestion:}
5715 \ProcessOptions

```

## 65 File xepersian-persiancal.sty

```

5716 \NeedsTeXFormat{LaTeX2e}
5717 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5718

```





```

5719 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5720 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5721 \newcount\XePersian@latini \newcount\XePersian@persiani
5722 \newcount\XePersian@latinii \newcount\XePersian@persianii
5723 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5724 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5725 \newcount\XePersian@latinv \newcount\XePersian@persianv
5726 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5727 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5728 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5729 \newcount\XePersian@latinix \newcount\XePersian@persianix
5730 \newcount\XePersian@latinx \newcount\XePersian@persianx
5731 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5732 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5733 \newcount\XePersian@persianxiii
5734
5735 \newcount\XePersian@temp
5736 \newcount\XePersian@temptwo
5737 \newcount\XePersian@tempthree
5738 \newcount\XePersian@yModHundred
5739 \newcount\XePersian@thirtytwo
5740 \newcount\XePersian@dn
5741 \newcount\XePersian@sn
5742 \newcount\XePersian@mminusone
5743
5744
5745 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5746 \XePersian@temp=\XePersian@y
5747 \divide\XePersian@temp by 100\relax
5748 \multiply\XePersian@temp by 100\relax
5749 \XePersian@yModHundred=\XePersian@y
5750 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5751 \ifodd\XePersian@yModHundred
5752 \XePersian@leapfalse
5753 \else
5754 \XePersian@temp=\XePersian@yModHundred
5755 \divide\XePersian@temp by 2\relax
5756 \ifodd\XePersian@temp\XePersian@leapfalse
5757 \else
5758 \ifnum\XePersian@yModHundred=0%
5759 \XePersian@temp=\XePersian@y
5760 \divide\XePersian@temp by 400\relax
5761 \multiply\XePersian@temp by 400\relax
5762 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5763 \else\XePersian@leaptrue
5764 \fi
5765 \fi
5766 \fi
5767 \XePersian@latini=31\relax
5768 \ifXePersian@leap
5769 \XePersian@latinii = 29\relax
5770 \else
5771 \XePersian@latinii = 28\relax
5772 \fi

```



```

5773 \XePersian@latiniii = 31\relax
5774 \XePersian@latiniv = 30\relax
5775 \XePersian@latinv = 31\relax
5776 \XePersian@latinvi = 30\relax
5777 \XePersian@latinvii = 31\relax
5778 \XePersian@latinviii = 31\relax
5779 \XePersian@latinix = 30\relax
5780 \XePersian@latinx = 31\relax
5781 \XePersian@latinxi = 30\relax
5782 \XePersian@latinxii = 31\relax
5783 \XePersian@thirtytwo=32\relax
5784 \XePersian@temp=\XePersian@y
5785 \advance\XePersian@temp by -17\relax
5786 \XePersian@temptwo=\XePersian@temp
5787 \divide\XePersian@temptwo by 33\relax
5788 \multiply\XePersian@temptwo by 33\relax
5789 \advance\XePersian@temp by -\XePersian@temptwo
5790 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5791 \else
5792   \XePersian@temptwo=\XePersian@temp
5793   \divide\XePersian@temptwo by 4\relax
5794   \multiply\XePersian@temptwo by 4\relax
5795   \advance\XePersian@temp by -\XePersian@temptwo
5796   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5797 \fi
5798 \XePersian@tempthree=\XePersian@y % Number of Leap years
5799 \advance\XePersian@tempthree by -1
5800 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5801 \divide\XePersian@temp by 4\relax
5802 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5803 \divide\XePersian@temptwo by 100\relax
5804 \advance\XePersian@temp by -\XePersian@temptwo
5805 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5806 \divide\XePersian@temptwo by 400\relax
5807 \advance\XePersian@temp by \XePersian@temptwo
5808 \advance\XePersian@tempthree by -611 % Number of Kabise years
5809 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5810 \divide\XePersian@temptwo by 33\relax
5811 \multiply\XePersian@temptwo by 8\relax
5812 \advance\XePersian@temp by -\XePersian@temptwo
5813 \XePersian@temptwo=\XePersian@tempthree %
5814 \divide\XePersian@temptwo by 33\relax
5815 \multiply\XePersian@temptwo by 33\relax
5816 \advance\XePersian@tempthree by -\XePersian@temptwo
5817 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5818 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5819 \advance\XePersian@temp by -\XePersian@tempthree
5820 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5821 \XePersian@persiani=31
5822 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5823 \XePersian@persianii = 30\relax
5824 \ifXePersian@kabiseh
5825   \XePersian@persianiii = 30\relax
5826 \else

```



```

5827 \XePersian@persianiii = 29\relax
5828 \fi
5829 \XePersian@persianiv = 31\relax
5830 \XePersian@persianv = 31\relax
5831 \XePersian@persianvi = 31\relax
5832 \XePersian@persianvii = 31\relax
5833 \XePersian@persianviii= 31\relax
5834 \XePersian@persianix = 31\relax
5835 \XePersian@persianx = 30\relax
5836 \XePersian@persianxi = 30\relax
5837 \XePersian@persianxii = 30\relax
5838 \XePersian@persianxiii= 30\relax
5839 \XePersian@dn= 0\relax
5840 \XePersian@sn= 0\relax
5841 \XePersian@mminusone=\XePersian@m
5842 \advance\XePersian@mminusone by -1\relax
5843 \XePersian@i=0\relax
5844 \ifnum\XePersian@i < \XePersian@mminusone
5845 \loop
5846 \advance \XePersian@i by 1\relax
5847 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5848 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5849 \fi
5850 \advance \XePersian@dn by \XePersian@d
5851 \XePersian@i=1\relax
5852 \XePersian@sn = \XePersian@persiani
5853 \ifnum \XePersian@sn<\XePersian@dn
5854 \loop
5855 \advance \XePersian@i by 1\relax
5856 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5857 \ifnum \XePersian@sn<\XePersian@dn \repeat
5858 \fi
5859 \ifnum \XePersian@i < 4
5860 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5861 \advance \XePersian@y by -622\relax
5862 \else
5863 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5864 \advance \XePersian@y by -621\relax
5865 \fi
5866 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5867 \endcsname
5868 \ifnum\XePersian@i = 1
5869 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@sn
5870 \else
5871 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5872 \fi
5873 \newcommand*{\persiantoday}{\%
5874 \number\XePersian@d\space\%
5875 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y\%
5876 }
5877 \let\persianyear\XePersian@y
5878 \let\persianmonth\XePersian@m
5879 \let\persianday\XePersian@d
5880 \def\XePersian@persian@month#1{\ifcase#1\or or\

```



5881 or\  
5882 or\ or\  
5883 or\  
5884 or\ or\  
5885 or\ or\  
5886 or\ or\  
5887 {fi\



## Index

### Symbols

<code>\!</code> .....	2366
<code>\%</code> ..	2507, 2509, 5432, 5557, 5570
<code>\.</code> .....	5474, 5477
<code>\@and</code> .....	3915
<code>\@math</code> .....	195
<code>\@maybeautodot</code> .....	.. 2635, 2636, 2654, 2691, 2692, 2710, 2743, 2744, 2762
<code>\@par</code> .....	1893
<code>\@textdigitfont@onfalse</code>	3613
<code>\@textdigitfont@ontrue</code>	3612
<code>\@Abjad</code> ..	1238, 2974, 2975, 3924, 3932, 3933
<code>\@Alph</code> ...	2648, 2704, 2756, 2970, 2975, 4190, 4193
<code>\@DeclareMathDelimiter</code> ..	5288
<code>\@DeclareMathSizes</code> .....	5279
<code>\@False</code> .....	183, 185
<code>\@Kashida@onfalse</code> .....	1619
<code>\@Kashida@ontrue</code> .....	1618
<code>\@LTRfootnotetext</code> .....	1923
<code>\@LTRmarginparreset</code> .....	3545
<code>\@Latincitex</code>	73, 74, 2157, 2166, 2356, 3553, 3554
<code>\@M</code> .....	199, 3966, 4067, 4162
<code>\@Mi</code> .....	195
<code>\@Mii</code> .....	1816
<code>\@Miii</code> .....	1818
<code>\@RTL@footnotefalse</code>	3520, 3540
<code>\@RTL@footnotetext</code>	3530, 3541
<code>\@RTLfalse</code> .....	165, 177, 190
<code>\@RTLfootnotetext</code> .....	1924
<code>\@Roman</code> .....	2650, 2706, 2758
<code>\@SepMark</code> .....	1752
<code>\@SetTab</code> .....	2783
<code>\@True</code> .....	178, 184
<code>\@X</code> .....	5590, 5591, 5669
<code>\@abjad</code> ..	1239, 2969, 2970, 4151, 4170, 4171
<code>\@acol</code> .....	2048, 2056
<code>\@acolampacol</code> ..	2046, 2048, 2054, 2056
<code>\@adadi</code> ..	1236, 2646, 2702, 2754, 3940, 3942, 3945
<code>\@addamp</code> .....	2047, 2055
<code>\@addtopreamble</code> .....	2015
<code>\@alph</code> ...	2649, 2705, 2757, 2784, 2969, 2974, 4189, 4192
<code>\@ampacol</code> .....	2046, 2054
<code>\@answernumberfont</code> ..	5612, 5613, 5651
<code>\@answerstitle</code> .....	5609, 5650
<code>\@answerstitlefont</code> ..	5610, 5611, 5650
<code>\@appendheader</code> ..	5623, 5624, 5626
<code>\@arrayclassz</code> .....	2046
<code>\@arraydesc</code> ..	5619, 5622, 5629, 5633
<code>\@arrayrule</code> ..	1994, 1995, 1996, 2038, 2039, 2040
<code>\@author</code> .....	4626, 4638
<code>\@autodottrue</code> .....	.. 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760
<code>\@auxout</code> .....	3559
<code>\@begin@tempboxa</code> .....	1893
<code>\@biblabel</code> .....	2158, 2167
<code>\@bibsetup</code> .....	2159, 2168
<code>\@bidi@list@minipage@parbox@not@nobtrue</code> .....	1890, 1912
<code>\@bidi@list@minipage@parboxtrue</code> .....	1891, 1913
<code>\@bidi@logo</code> .....	3883
<code>\@bidi@logo@</code> .....	3879
<code>\@bidi@logo@hb@xt@columnwidth</code> .....	3880
<code>\@bidi@pdfcreator</code> .....	3885
<code>\@bidi@tuftesidenote@LTRmarginfont</code> .....	115
<code>\@bidi@tuftesidenote@RTLmarginfont</code> .....	117
<code>\@bsphack</code> .....	1815
<code>\@capttype</code>	1803, 1866, 2113, 2123
<code>\@cclvi</code> .....	5222, 5228, 5252
<code>\@chapapp</code> .....	30, 131, 142, 149,

161, 1314, 1326, 1758, 2580,  
 2587, 2594, 2602, 2684, 2736  
 \@chclass 1928, 1936, 1944, 1959,  
 1973, 1978, 1993, 2009, 2029,  
 2037, 2067, 2090, 2104  
 \@chnum .. 1930, 1931, 1932, 1933,  
 1934, 1935, 1945, 1952, 1966,  
 1979, 1986, 2002, 2015, 2031,  
 2032, 2033, 2034, 2035, 2036,  
 2050, 2058, 2068, 2075, 2097  
 \@choices 5617, 5621, 5637, 5639  
 \@cite ... 2145, 2152, 2164, 2180,  
 2269, 3556  
 \@cite@ofmt ..... 3564  
 \@citea .. 2185, 2199, 2213, 2222,  
 2223, 2224, 2229, 2244, 2252,  
 2253, 2254, 2288, 2304, 2322,  
 3555, 3557  
 \@citeb .. 2181, 2183, 2185, 2188,  
 2190, 2191, 2193, 2216, 2247,  
 2270, 2272, 2274, 2277, 2279,  
 2280, 2282, 3556, 3558, 3559,  
 3560, 3563, 3564  
 \@citex ..... 2156, 2165  
 \@classx ..... 2012  
 \@classz ..... 2012  
 \@correction ..... 5690  
 \@correctionstyle .. 5675, 5676,  
 5677  
 \@ctrerr ..... 3931, 3936  
 \@currbox 1823, 1869, 1873, 2112,  
 2116, 2122, 2126  
 \@currenvir .. 2430, 2432, 2433,  
 2608, 2663, 2715  
 \@customlogo ..... 4726, 4735  
 \@custommagazinenam 4495, 4728  
 \@customminilogo ... 4727, 4741  
 \@customwwwTxt . 4456, 4459, 4511  
 \@date ..... 4629, 4639  
 \@dblfpbot ..... 3875  
 \@dblfpsep ..... 3874  
 \@dblfpstop ..... 3873  
 \@defaultunits ..... 3650, 3654  
 \@dgroup ..... 177  
 \@dmath ..... 165, 194  
 \@doendpe ..... 2447  
 \@dseries ..... 190  
 \@eha ..... 5242, 5268  
 \@empty 180, 1810, 2170, 2180, 2183,  
 2269, 2272, 2401, 3555, 3558,  
 4025, 4031, 4034, 4037, 4142,  
 4637, 4638, 4639, 4640  
 \@emptytoks ..... 179  
 \@enGroup ..... 1228  
 \@enLabel 1219, 1220, 1221, 1222,  
 1223, 1224, 1225, 1226  
 \@enOther ..... 1230  
 \@enSpace ..... 1227  
 \@end@tempboxa ..... 1908  
 \@endpbox ..... 2022, 2023  
 \@endpetrue ..... 3529, 3539  
 \@enhook ..... 1231  
 \@enloop@ ..... 1218  
 \@entemp . 1219, 1220, 1221, 1222,  
 1223, 1224, 1225, 1226, 1227,  
 1228, 1229  
 \@enum@ ..... 1229  
 \@extra@b@citeb .....  
 .. 2185, 2191, 2193, 2216,  
 2247, 2274, 2280, 2282  
 \@false ..... 5674, 5682, 5689  
 \@false@correction . 5666, 5689  
 \@false@nocorrection 5664, 5682  
 \@falsesymbol .. 5660, 5662, 5666  
 \@firstampfalse .... 2048, 2056  
 \@firstofone . 1543, 1544, 2183,  
 2272, 3558, 5225, 5249  
 \@firstoftwo .. 3082, 3088, 3094  
 \@float@HH ..... 2109, 2110  
 \@float@Hx ..... 2108, 2109  
 \@float@ ..... 2109, 2120  
 \@floatboxreset 1879, 2118, 2128  
 \@floatcapt ..... 2113, 2123  
 \@floatpenalty . 1816, 1818, 1821  
 \@flstylefalse ..... 2115, 2125  
 \@flstyletrue ..... 2115, 2125  
 \@fltovf ..... 1871  
 \@footnotetext ..... 1922  
 \@for .... 2181, 2270, 3556, 4269  
 \@formanswerline ... 5646, 5655,  
 5668, 5672  
 \@fpbot ..... 3872  
 \@fps 1804, 1805, 1807, 1810, 1827  
 \@fpsadddefault .... 1808, 1811  
 \@fpsep ..... 3871, 3874  
 \@fptop .. 3870, 3872, 3873, 3875  
 \@freelist ..... 1823  
 \@gobble ..... 1229  
 \@harfi ..... 12, 20, 31, 34,  
 43, 49, 55, 61, 132, 143, 150,



162, 1237, 1304, 1315, 1327, 1565, 1759, 2581, 2588, 2595, 2603, 2629, 2645, 2685, 2701, 2737, 2753, 3934, 3937, 3938	
\@headerfont . . . . .	5588, 5589, 5594, 5624
\@headerline . . . . .	5620, 5623, 5631, 5635
\@ifclassloaded . . . . .	2941, 4225, 4228, 4229, 4230, 4231, 4232, 4233, 4234, 4235, 4236, 4237, 4238, 4239, 4240, 4241, 4242, 4243, 4244, 4245, 4246, 4247, 4248, 4249, 4250, 4251
\@ifdefinable . . . . .	2465, 2467
\@ifdefinitionfileloaded . . . . .	1800, 1943, 1976, 2066, 2107, 4205, 4206
\@ifnextchar . . . . .	2109, 2350, 2356, 3553
\@ifnum . . . . .	2287, 2289, 2291, 2298, 2299, 2302, 2314, 2337, 2339
\@ifpackageloaded . . . . .	76, 1674, 1678, 2359, 2363, 2455, 2463, 4207, 4208, 4209, 4210, 4211, 4212, 4213, 4214, 4215, 4216, 4217, 4218, 4219, 4220, 4221, 4222, 4223, 4224, 4225, 4226, 4227
\@ifstar . . . . .	2349
\@ifundefined . . . . .	72, 2185, 2191, 2274, 2280, 3560
\@ignoretrue . . . . .	201
\@iiiminipage . . . . .	1909
\@iiiparbox . . . . .	1887
\@indexfile . . . . .	2946
\@initorcheck . . . . .	5616, 5636, 5654
\@inlabelfalse . . . . .	168
\@input@ . . . . .	2949
\@lastchclass . . . . .	1928, 1929, 1945, 1946, 1947, 1948, 1950, 1979, 1980, 1981, 1982, 1984, 2029, 2030, 2046, 2054, 2068, 2069, 2070, 2071, 2073
\@latex@error . . . . .	5240, 5266
\@latex@warning . . . . .	3562
\@latinAlph . . . . .	4190, 4193
\@latinalph . . . . .	2784, 4189, 4192, 4195
\@let@token . . . . .	5475, 5480, 5483, 5484, 5485, 5486, 5487, 5488, 5489, 5490, 5491, 5492, 5493, 5494
\@list@extra . . . . .	3759, 3766, 3775, 3782, 3790, 3797, 3805, 3813, 3820, 3829, 3833, 3838, 3842, 3847, 3851, 3856
\@listI . . . . .	3673, 3768
\@listdepth . . . . .	1925
\@listi . . . . .	3673, 3690, 3707, 3762, 3768, 3858
\@listi@footnotesize . . . . .	3707, 3793
\@listi@small . . . . .	3690, 3778
\@listii . . . . .	3808
\@listiii . . . . .	3823
\@listiv . . . . .	3836
\@listv . . . . .	3845
\@listvi . . . . .	3854
\@m . . . . .	2162, 3557, 3965, 4066, 4160
\@mainmatterfalse . . . . .	126, 137, 155, 1308, 2659
\@maskanswerline . . . . .	5647, 5656, 5669, 5673
\@memfront . . . . .	1750
\@minipagefalse . . . . .	3550
\@minipagerestore . . . . .	1926
\@minipagetrue . . . . .	3549
\@minus . . . . .	3621, 3623, 3627, 3629, 3635, 3637, 3641, 3643, 3817
\@mpLTrfootnotetext . . . . .	1923
\@mpRTLfootnotetext . . . . .	1924
\@mpargs . . . . .	1915
\@mpfn . . . . .	1921
\@mpfootnotetext . . . . .	1922
\@mplistdepth . . . . .	1925
\@namedef . . . . .	2139, 2193, 2282, 2446
\@ne . . . . .	1833, 1839, 1932, 1933, 1936, 1945, 1955, 1956, 1960, 1979, 1989, 1990, 1994, 1995, 1996, 2033, 2034, 2038, 2039, 2040, 2068, 2078, 2079, 2091, 2287, 2299, 2301, 2314, 2322, 3030, 3031, 3032, 3033, 3034, 3507, 3508, 3599, 3952, 3993, 4000, 4012, 4017, 4053, 4094, 4101, 4113, 4118, 4277, 5232, 5237, 5256, 5263
\@next . . . . .	1823



\@nextchar 1951, 1953, 1954, 1955,  
1956, 1957, 1958, 1960, 1961,  
1962, 1963, 1964, 1967, 1968,  
1969, 1970, 1971, 1972, 1985,  
1987, 1988, 1989, 1990, 1991,  
1992, 1994, 1995, 1996, 1997,  
1998, 1999, 2000, 2003, 2004,  
2005, 2006, 2007, 2008, 2020,  
2022, 2023, 2074, 2076, 2077,  
2078, 2079, 2080, 2081, 2082,  
2083, 2084, 2085, 2086, 2087,  
2088, 2089, 2091, 2092, 2093,  
2094, 2095, 2098, 2099, 2100,  
2102, 2103  
\@nextchar ..... 2101  
\@nil 2376, 2380, 2381, 2386, 2388,  
3983, 3986, 4084, 4087, 4256,  
4263, 4266  
\@nnil ... 3650, 3654, 3658, 3659  
\@nodocument ..... 1802  
\@nonlatinfalse ..... 3495  
\@nonlatintrue ..... 3509  
\@onelevel@sanitize .... 1805  
\@parboxrestore 1878, 1893, 1920,  
2117, 2127  
\@parboxto ..... 1896, 1905  
\@parmoderr ..... 1821  
\@pboxswfalse ..... 1889, 1911  
\@pboxswtrue ..... 1903  
\@plus 3621, 3623, 3627, 3629, 3635,  
3637, 3641, 3643, 3817, 3870,  
3871  
\@ppsavesec ..... 25  
\@preamble ..... 2049, 2057  
\@preamblecmds ..... 5293  
\@preamerr 1939, 1973, 2009, 2043,  
2104  
\@ptsize ..... 3653  
\@questionheader ... 5646, 5647,  
5678  
\@questionsepspace . 5702, 5707,  
5713  
\@questiontitle .... 5695, 5708  
\@questiontitlefont 5696, 5697,  
5708  
\@resets@pp .... 24, 1549, 1550  
\@roman ..... 2651, 2707, 2759  
\@safe@activesfalse 2184, 2273  
\@safe@activetrue . 2182, 2271  
\@secondoftwo .. 3084, 3090, 3096  
\@setfontsize .....  
.. 3667, 3684, 3701, 3712,  
3718, 3724, 3730, 3736, 3742,  
3748, 4426, 4432, 4434, 4437,  
4444, 4450, 4451, 4452, 4453,  
4454  
\@setfpsbit .. 1843, 1846, 1849,  
1852, 1855, 1858  
\@setminipage ..... 1927  
\@setnobreak ..... 2118, 2128  
\@sharp .. 2051, 2052, 2053, 2059,  
2060, 2061  
\@smemfront ..... 1751  
\@sptoken ..... 1227, 4258  
\@startpbox ..... 2022, 2023  
\@starttoc .... 3899, 5599, 5604  
\@stop ..... 2636, 2692, 2744  
\@sx@xepersian@localize@verbatim  
..... 2139  
\@tabclassz ..... 2054  
\@tartibi ..... 9, 16,  
39, 45, 51, 57, 123, 134, 145,  
157, 1235, 1300, 1310, 1322,  
1562, 1753, 1754, 2576, 2583,  
2590, 2598, 2606, 2647, 2661,  
2703, 2713, 2755, 4046, 4048,  
4051  
\@tempa .. 1219, 1220, 1221, 1222,  
1223, 1224, 1225, 1226, 1227,  
1228, 1229, 1230, 1233, 2386,  
2388, 2471, 2472, 2473, 2474,  
2475, 2476, 2477, 2478, 2479,  
2480, 2481, 3658, 3659  
\@tempb .. 3656, 3659, 3676, 3693,  
3710, 3716, 3722, 3728, 3734,  
3740, 3746  
\@tempboxa ..... 1916  
\@tempc .. 2401, 2414, 2424, 2426,  
2427, 2430, 2438  
\@tempcnta 1825, 1831, 1833, 1837,  
1839, 1861, 1862, 1868, 1869,  
2013, 2296, 2297, 2298, 2301,  
2302, 4268, 4271, 4277  
\@tempcntb .... 1866, 1867, 1868  
\@tempdima 1892, 1893, 1914, 1918,  
3649, 3650, 3651, 3655, 3657,  
3668, 3675, 3676, 3685, 3692,  
3693, 3702, 3709, 3710, 3713,  
3715, 3716, 3719, 3721, 3722,  
3725, 3727, 3728, 3731, 3733,





3734, 3737, 3739, 3740, 3743,  
 3745, 3746, 3749  
 \@tempdimb 1895, 1896, 3654, 3655,  
 3661, 3662, 3664, 3668, 3676,  
 3678, 3679, 3681, 3685, 3693,  
 3695, 3696, 3698, 3702, 3710,  
 3713, 3716, 3719, 3722, 3725,  
 3728, 3731, 3734, 3737, 3740,  
 3743, 3746, 3749, 3752, 3754,  
 3756, 3770, 3772, 3785, 3787,  
 3800, 3802, 3816, 3859, 3860,  
 3862, 3864, 3866, 3871, 3876,  
 4285, 4286  
 \@tempdimc 3651, 3652, 3653, 3655,  
 3656, 3657, 3675, 3692, 3709,  
 3715, 3721, 3727, 3733, 3739,  
 3745  
 \@tempskipa ..... 4289, 4290  
 \@tempswafalse .....  
 .. 2314, 3553, 3757, 3773,  
 3788, 3803, 3818, 3831, 3840,  
 3849  
 \@tempwattrue .....  
 .. 2313, 3553, 3759, 3775,  
 3790, 3805, 3820, 3833, 3842,  
 3851  
 \@temptokena . 2387, 2394, 2399,  
 2405, 2412, 2422, 2436  
 \@testpach 1928, 1944, 1978, 2029,  
 2067  
 \@tfor ..... 1826, 2471  
 \@thanks ..... 4631, 4637  
 \@the@choice ..... 5625, 5626  
 \@title ..... 4619, 4640  
 \@true ..... 5670, 5681, 5688  
 \@true@correction .. 5665, 5688  
 \@true@nocorrection 5663, 5681  
 \@truesymbol .. 5659, 5661, 5665  
 \@verbatim 2136, 2139, 2444, 2446,  
 2457  
 \@vobeyspaces ..... 2136, 2444  
 \@warning ..... 2443  
 \@x@xepersian@localize@verbatim  
 ..... 2136  
 \@xDeclareMathDelimiter . 5288  
 \@xepersian@@baselineskip@scale  
 . 3484, 3493, 3506, 3516  
 \@xepersian@@computeautoilgfalse  
 ..... 3010  
 \@xepersian@@computeautoilgtrue  
 ..... 3009  
 \@xepersian@@fontsize@scale .  
 . 3483, 3488, 3505, 3515  
 \@xepersian@bannerfalse . 2898  
 \@xepersian@bannertrue .. 2895  
 \@xepersian@info ... 3038, 3065,  
 3066  
 \@xepersian@pdfcustomproperties  
 ..... 3889  
 \@xfloat ..... 1801, 2108, 2109  
 \@xxDeclareMathDelimiter 5287  
 \@xxxii ..... 1867  
 @\ ..... 1780, 1781  
 @\ ..... 1776, 1777, 1779  
 @\ ..... 2358  
 \[ ..... 2366  
 \\\ .. 2133, 2366, 4587, 4902, 4903,  
 5165, 5168, 5217, 5592, 5631,  
 5635, 5655, 5656  
 \{ ..... 2132, 2366  
 \} ..... 2132, 2366  
 \\_ .. 1502, 1504, 3557, 3989, 3995,  
 4014, 4020, 4090, 4096, 4115,  
 4125, 4502, 4511  
 \] ..... 2366  
 \^ ..... 2367  
 \\_ .. 2937, 2960, 2961, 2962, 3161,  
 3164, 3177, 3181, 3185, 3188,  
 3200, 3222, 3226, 3227, 3234,  
 3237, 3249, 3253, 3260, 3265,  
 3268, 3284, 3289, 3292, 3339,  
 3342, 3355, 3359, 3363, 3366,  
 3379, 3383, 3387, 3390, 3403,  
 3407, 3411, 3414, 3427, 3431,  
 3435, 3438, 3451, 3455, 3459,  
 3462, 3475, 3479, 5349, 5350,  
 5353, 5362, 5363, 5374, 5378,  
 5382, 5386, 5390, 5394, 5398,  
 5400, 5408, 5410, 5414, 5420,  
 5439, 5443, 5445, 5448, 5450,  
 5454, 5458, 5460, 5463, 5465,  
 5469  
 \l ..... 4903  
 \~ ..... 2367, 2507, 5477  
  
**A**  
 \abj@num@i .... 4156, 4173, 4180  
 \abj@num@ii ... 4158, 4177, 4184  
 \abj@num@iii .. 4160, 4181, 4187  
 \abj@num@iv ..... 4162, 4185



`\Abjad` ..... 1238, 1243, 3932  
`\abjad` ..... 1239, 1244, 4170  
`\abjad@zero` ..... 4172, 4176  
`\Abjadnumeral` ..... 3933  
`\abjadnumeral` ..... 4171  
`\abovedisplayshortskip` .....  
    .. 3662, 3670, 3679, 3687,  
    3696, 3704, 4429, 4430, 4440,  
    4441, 4447, 4448  
`\abovedisplayskip` .....  
    .. 3660, 3665, 3669, 3677,  
    3682, 3686, 3694, 3699, 3703,  
    4427, 4428, 4438, 4439, 4445,  
    4446  
`\abstractname` ..... 3912  
`\active` ..... 2367, 5474  
`\adadi` ... 1220, 1236, 1241, 2639,  
    2695, 2747, 3939  
`\adadinumeral` ..... 3945  
`\AddEnumerateCounter` 1235, 1236,  
    1237, 1238, 1239  
`\addfontfeature` ..... 3019  
`\addfontfeatures` . 165, 177, 190  
`\addtocontents` .....  
    .. 5598, 5601, 5603, 5606,  
    5628, 5632, 5655, 5656  
`\addtolength` .....  
    .. 3652, 4654, 4655, 4658,  
    5077, 5078, 5079, 5080, 5144  
`\addtoversion` ..... 5280  
`\adl@argarraydashrule` ... 1996,  
    2040  
`\adl@arraydashrule` . 1995, 2039  
`\adl@arrayrule` ..... 1994, 2038  
`\adl@box` ..... 2020, 2022, 2023  
`\adl@class@iiiorvii` 2026, 2063  
`\adl@class@start` ... 2025, 2062  
`\adl@endmbox` ..... 2021  
`\adl@putlrc` 2017, 2018, 2019, 2051,  
    2052, 2053, 2059, 2060, 2061  
`\adl@startmbox` ..... 2020  
`\advance` . 1505, 1833, 1839, 1862,  
    1868, 2301, 3599, 3601, 4277,  
    4418, 4422, 4690, 4693, 5237,  
    5263, 5750, 5785, 5789, 5795,  
    5799, 5804, 5807, 5808, 5812,  
    5816, 5817, 5819, 5820, 5822,  
    5842, 5846, 5847, 5850, 5855,  
    5856, 5860, 5861, 5863, 5864,  
    5866, 5869, 5871  
`\aftergroup` 3759, 3775, 3790, 3805,  
    3820, 3833, 3842, 3851  
`\ALG@name` ..... 5, 7  
`\algorithmicmeasure` ..... 3  
`\algorithmicrequire` ..... 2  
`\ALGS@name` ..... 6, 7  
`\aliasfontfeature` .....  
    .. 1690, 1691, 1692, 1693,  
    1694, 1695, 1696, 1697, 1698,  
    1699, 1700, 1701, 1702, 1703,  
    1704, 1705, 1706, 1707, 1708,  
    1709, 1710, 1711, 1712, 1713,  
    1714, 1715, 1716, 1717, 1718,  
    1719, 1720, 1721, 1722, 1723,  
    1724, 1725, 1726, 1727, 1728,  
    1729, 1730, 1731, 1732, 1733,  
    1734, 1735, 1736, 1737, 1738,  
    1739, 1740, 1741, 1742  
`\aliasfontfeatureoption` .....  
    .. 1743, 1744, 1745, 1746,  
    1747, 1748  
`\alloc@` ..... 5222  
`\Alph` 1222, 1535, 1536, 2641, 2697,  
    2749  
`\alph` 1223, 2642, 2698, 2750, 2791,  
    5625, 5651  
`\alpha@elt` ..... 5281  
`\alpha@list` ..... 5281  
`\anappendixtrue` ..... 1760  
`\and` ..... 4644  
`\answernumberfont` ..... 5613  
`\answerstyle` ..... 5609, 5679  
`\answerstylefont` ..... 5611  
`\appendix` ..... 10, 17,  
    40, 46, 52, 58, 128, 139, 146,  
    158, 1301, 1311, 1323, 1532,  
    1533, 1563, 1755, 2577, 2584,  
    2591, 2599, 2607, 2612, 2623,  
    2632, 2634, 2662, 2667, 2678,  
    2688, 2690, 2714, 2719, 2730,  
    2740, 2742  
`\appendixautorefname` ... 1520  
`\appendixname` .....  
    . 11, 19, 30, 131, 142, 149,  
    161, 1314, 1326, 1564, 1758,  
    2580, 2587, 2594, 2602, 2684,  
    2736, 3909  
`\arabic` ..... 1226  
`\arrayrulewidth` ..... 5159  
`\articlesep` ..... 5141



<code>\AtBeginDocument</code> .....		<code>\belowdisplayskip</code> .....	
71, 1531, 1635, 2139, 2346,		.. 3665, 3671, 3682, 3688,	
2451, 3903, 4416, 4420		3699, 3705, 4428, 4439, 4446	
<code>\AtEndOfClass</code> .....	4414	<code>\bfseries</code> 2186, 2275, 3560, 3881,	
<code>\AtEndOfPackage</code> .....		4462, 4468, 4487, 4495, 4523,	
.. 2905, 2906, 2907, 2912,		4539, 4558, 4572, 4576, 4601,	
2913, 2914, 2919, 2920, 2921,		4606, 4610, 4735, 4741, 5588,	
2926, 2933, 2939, 2980, 2992,		5610, 5612, 5696	
3016, 4338		<code>\bgroup</code> .. 1228, 1876, 1916, 2117,	
<code>\author</code> .....	4642	2127, 5225, 5249, 5476	
<code>\authorandplace</code> .....	5115	<code>\bibname</code> .....	3916
<code>\AutoDisplayMathDigits</code> ..	2919,	<code>\bidi@footnotetext@font</code>	1489
5533, 5539		<code>\bidi@LTRfootnotetext@font</code> ..	
<code>\AutoInlineMathDigits</code> ...	2912,	..... 1491	
5529, 5538		<code>\bidi@RTLfootnotetext@font</code> ..	
<code>\AutoMathDigits</code> 2905, 5537, 5541		..... 1493	
<b>B</b>			
<code>\backrefpagesname</code> .....	63	<code>\bidi@thebibliography@font@hook</code>	
<code>\baselineskip</code> .....		..... 4196	
.. 3602, 3605, 4322, 4324,		<code>\bidi@AfterEndPreamble</code> ..	4200
4326, 4329, 4330, 4332		<code>\bidi@appto</code> .....	2774, 2778
<code>\begin</code> 2360, 2361, 2611, 2617, 2622,		<code>\bidi@AtEndPreamble</code> ....	3017
2666, 2672, 2677, 2718, 2724,		<code>\bidi@beamer@today</code> .....	85
2729, 3540, 3541, 3897, 4470,		<code>\bidi@csdefcs</code> .....	816, 1667
4473, 4526, 4541, 4554, 4560,		<code>\bidi@csletcs</code> .. 511, 1667, 1676,	
4581, 4612, 4618, 4625, 4649,		1677, 1680, 1681	
4703, 4709, 4781, 4784, 4789,		<code>\bidi@digits@charclass</code> .....	
4796, 4811, 4826, 4843, 4877,		.. 3201, 3202, 3203, 3204,	
4895, 4900, 4920, 4927, 4928,		3205, 3206, 3208, 3209, 3210,	
4949, 4951, 4952, 4974, 4979,		3211, 3212, 3213, 3214, 3215	
4980, 5016, 5017, 5025, 5051,		<code>\bidi@font@outputpage</code> ..	3566
5059, 5065, 5066, 5074, 5104,		<code>\bidi@isloaded</code> .....	
5128, 5160, 5161, 5176, 5188,		.. 1626, 1627, 1628, 1629,	
5202, 5629, 5633, 5644, 5645,		1630, 1631, 1632, 1633, 1634,	
5651, 5706		1637, 1640, 1643, 1646, 1649,	
<code>\begingroup</code> .....		1652, 1655, 1658, 1661	
173, 2131, 2348, 2364, 2444,		<code>\bidi@newrobustcmd</code> . 3518, 3519,	
2446, 2506, 3101, 3103, 3758,		3901	
3774, 3789, 3804, 3819, 3832,		<code>\bidi@patchcmd</code> 3018, 4285, 4289,	
3841, 3850, 5229, 5253, 5475,		4301, 4307, 4313, 4321	
5480		<code>\bidi@reflect@box</code> .....	3902
<code>\beginL</code> .....	3550, 4502, 4903	<code>\bidi@sepmark@charclass</code> .	3205,
<code>\beginR</code> .. 4506, 4507, 4508, 4519,		3206	
4520, 4521, 4726, 4727, 4728,		<code>\blacktriangleleft</code> . 1500, 1502	
4746, 4767, 4768, 4769, 4770,		<code>\blacktriangleright</code> 1500, 1502	
4771, 4772, 4923, 5018		<code>\bm@b</code> .....	1884
<code>\belowdisplayshortskip</code> .....		<code>\bm@c</code> .....	1881
.. 3663, 3672, 3680, 3689,		<code>\bm@l</code> .....	1882
3697, 3706, 4430, 4441, 4448		<code>\bm@r</code> .....	1883
		<code>\bm@s</code> .....	1886
		<code>\bm@t</code> .....	1885



<code>\bm@</code> .....	1885	<code>\chaptername</code> ...	19, 1329, 3917
<code>\bm@</code> .....	1883	<code>\char</code> .....	5352, 5360
<code>\bm@</code> .....	1884	<code>\chardef</code> .	1568, 1569, 1571, 1572, 1573, 1574, 1575, 3571, 5222
<code>\bm@</code> .....	1881	<code>\charlist</code>	1590, 1591, 1593, 1597
<code>\bm@</code> .....	1882	<code>\citation</code> .....	3559
<code>\bm@</code> .....	1886	<code>\citenumfont</code> .....	2325
<code>\bool</code> .....	5275	<code>\citeyear</code> .....	2147
<code>\boolean</code> .	4403, 4415, 4424, 4528, 4543, 4562, 4583, 4779, 4780, 4810, 4842, 4876, 4894, 4918, 4948, 4972, 4999	<code>\citeyearpar</code> .....	2147
<code>\box</code> .....	179	<code>\ClassError</code>	4800, 4832, 4866, 4886, 4907, 4932, 4957, 4983, 5006, 5638
<code>\BR@Latincitex</code> .....	64, 74	<code>\ClassWarning</code> .....	.. 2609, 2664, 2716, 4385, 4387, 4389, 4659, 4673
<code>\BRorg@Latincitex</code> .....	65, 73	<code>\cleardoubleoddpage</code> ....	2658
<b>C</b>		<code>\cleardoublepage</code> ..	15, 125, 136, 154, 1307
<code>\C</code> .....	2368	<code>\clearpage</code> .....	2658, 4763
<code>\c</code> ..	5307, 5310, 5318, 5326, 5334, 5342, 5554, 5567	<code>\clist</code> ...	5372, 5376, 5377, 5384, 5385, 5392, 5393
<code>\c@book</code> .....	1753	<code>\closeout</code> .....	2946
<code>\c@chapter</code>	18, 20, 31, 132, 143, 150, 162, 1315, 1327, 1759, 2581, 2588, 2595, 2603, 2685, 2737	<code>\color@begingroup</code> .....	1917
<code>\c@mpfootnote</code> .....	1921, 4195	<code>\color@vbox</code> ...	1874, 2116, 2126
<code>\c@part</code> .....	9, 16, 39, 45, 51, 57, 123, 134, 145, 157, 1300, 1310, 1322, 1562, 1754, 2576, 2583, 2590, 2598, 2606, 2661, 2713	<code>\columnlines</code> .	4359, 4360, 4392, 4721
<code>\c@section</code> .....	10, 12, 18, 34, 43, 49, 55, 61, 1304, 1563, 1565, 2629	<code>\columnsep</code> .....	4655, 5078
<code>\c@subsection</code> .....	10, 1563	<code>\columnseprule</code> .....	4721
<code>\catcode</code> .	1665, 2131, 2132, 2133, 2367, 5474	<code>\columntitle</code> .....	5072
<code>\ccname</code> .....	3918	<code>\columnwidth</code> .	1877, 1919, 2117, 2127, 4654, 5077
<code>\cdp@elt</code> .....	5278	<code>\comment</code> .....	5683
<code>\cdp@list</code> .....	5278	<code>\contentsname</code> .....	3897, 3906
<code>\centering</code> ....	4665, 4953, 5593	<code>\copyright</code> .....	4511
<code>\cftchapname</code> .....	2803	<code>\correction</code> .....	5683, 5690
<code>\cftfigname</code> .....	2809	<code>\correctionstyle</code> .....	5676
<code>\cftparaname</code> .....	2807	<code>\count</code> ...	1869, 4689, 4690, 4692, 4693, 4702, 4708
<code>\cftsecname</code> .....	2804	<code>\count@</code> .....	2013
<code>\cftsubfigname</code> .....	2810	<code>\cs</code> .	2454, 2456, 2937, 3164, 3181, 3188, 3222, 3237, 3253, 3268, 3270, 3275, 3292, 3294, 3299, 3342, 3359, 3366, 3383, 3390, 3407, 3414, 3431, 3438, 3455, 3462, 3479, 5302, 5303, 5304, 5305, 5306, 5349, 5350, 5374, 5382, 5390, 5398, 5410, 5439, 5445, 5454, 5460, 5469, 5551
<code>\cftsubparaname</code> .....	2808	<code>\csname</code> ..	1669, 1671, 1672, 1866, 1906, 2111, 2114, 2121, 2124,
<code>\cftsubsecname</code> .....	2805		
<code>\cftsubsubsecname</code> .....	2806		
<code>\cftsubtabname</code> .....	2812		
<code>\cfttabname</code> .....	2811		
<code>\chapterautorefname</code> ....	1521		



2141, 2448, 2465, 2466, 2467, 2468, 2469, 2634, 2690, 2742, 3102, 3105, 3111, 3113, 3564, 3760, 3776, 3791, 3806, 3821, 3834, 3843, 3852, 3932, 3937, 3940, 4046, 4170, 4302, 4304, 4308, 4310, 4314, 4316, 5228, 5231, 5236, 5237, 5252, 5255, 5259, 5260, 5263, 5298, 5300, 5847, 5856, 5866		3327, 3346, 3370, 3394, 3418, 3442, 3466, 3552	
\CurrentOption .....	2888	\DeclareSymbolFont .....	5283, 5416, 5417, 5418, 5419, 5449, 5464
\currenttime .....	4485	\DeclareSymbolFontAlphabet ..	5290
\customlogo .....	4726	\DeclareSymbolFontAlphabet@ .	5290
\custommagaziname ....	4728	\DeclareTextFontCommand .....	3330, 3331, 3332, 3333, 3334, 3335
\customminilogo .....	4727	\DeclareUnknownKeyHandler	2887
\customwwwTxt .....	4456	\def .....	2, 3, 5, 6, 7, 10, 12, 15, 17, 20, 63, 64, 77, 121, 165, 177, 190, 197, 201, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1497, 1499, 1501, 1503, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1533, 1545, 1550, 1563, 1565, 1577, 1590, 1592, 1593, 1598, 1623, 1624, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1801, 1803, 1804, 1806, 1887, 1909, 1915, 1921, 1928, 1944, 1978, 2012, 2025, 2026, 2029, 2046, 2054, 2062, 2063, 2067, 2109, 2110, 2113, 2120, 2123, 2136, 2137, 2146, 2149, 2161, 2162, 2172, 2175, 2188, 2203, 2233, 2265, 2269, 2294, 2356, 2370, 2374, 2376, 2377, 2380, 2386, 2388, 2390, 2406, 2409, 2425, 2426, 2429, 2442, 2444, 2447, 2464, 2509, 2767, 2814, 2822, 2830, 2838, 2846, 2854, 2862, 2870, 2878, 2879, 2880, 2881, 2968, 2973, 2984, 2988, 2996, 3000, 3004, 3098, 3099, 3100, 3106, 3107, 3111, 3482, 3485, 3490, 3504, 3520, 3521, 3530, 3531, 3543, 3544, 3545, 3554, 3557, 3658, 3759, 3775, 3790, 3805, 3820, 3833, 3842, 3851, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916
<b>D</b>			
\dollarbegin ..	2017, 2018, 2019		
\dollarend ....	2017, 2018, 2019		
\date ....	4484, 4495, 4643, 5112		
\datename .....	3914		
\day .....	5745		
\dblfloatsep .....	3868		
\dbltextfloatsep .....	3869		
\decimalseparator@check .	5481, 5482		
\decimalseparator@point .	5472, 5481		
\decimalseparator@pointcheck ...	5475, 5480, 5481		
\DeclareDocumentCommand .....			
..	3159, 3183, 3224, 3232, 3258, 3263, 3282, 3287, 3337, 3361, 3385, 3409, 3433, 3457, 5406, 5441, 5456		
\DeclareMathAccent .....	5286		
\DeclareMathAlphabet ...	5285		
\DeclareMathDelimiter ...	5287		
\DeclareMathRadical ....	5289		
\DeclareMathSizes .....	5278		
\DeclareMathSymbol .....	5286		
\DeclareMathVersion ....	5280		
\DeclareOption .....			
..	4381, 4382, 4383, 4384, 4386, 4388, 4390, 4391, 4392, 4393, 4394, 5680, 5687		
\DeclareRobustCommand .....			
..	2347, 3168, 3193, 3240, 3312, 3315, 3318, 3321, 3324,		

3917, 3918, 3919, 3920, 3921,  
 3922, 3924, 3932, 3934, 3937,  
 3946, 3951, 3960, 3986, 3999,  
 4010, 4024, 4030, 4033, 4036,  
 4040, 4052, 4061, 4087, 4100,  
 4111, 4129, 4134, 4141, 4151,  
 4170, 4172, 4173, 4177, 4181,  
 4185, 4191, 4195, 4254, 4255,  
 4257, 4263, 4266, 4267, 4456,  
 4726, 4727, 4728, 5222, 5224,  
 5248, 5421, 5451, 5466, 5480,  
 5481, 5482, 5509, 5510, 5511,  
 5512, 5513, 5517, 5521, 5525,  
 5529, 5533, 5537, 5588, 5590,  
 5592, 5610, 5612, 5616, 5623,  
 5659, 5660, 5663, 5664, 5665,  
 5666, 5675, 5678, 5685, 5686,  
 5692, 5693, 5696, 5880  
 \def@NAT@last@yr ... 2304, 2306  
 \DefaultDisplayMathDigits 2920,  
 5512, 5515  
 \defaultfontfeatures ... 2980  
 \DefaultInlineMathDigits 2913,  
 5511, 5514  
 \DefaultMathDecimalSeparator  
 ..... 5510, 5558  
 \DefaultMathDigits . 2906, 5513  
 \define@key ..... 2470  
 \define@mathalphabet ... 5280  
 \define@mathgroup ..... 5280  
 \deflatinfont ..... 3282  
 \defpersianfont ..... 3258  
 \depth ..... 2478, 2479  
 \DigitsDotDashInterCharToks .  
 ..... 3206  
 \dimexpr . 3486, 3488, 3491, 3493,  
 3605, 3655, 3809, 3824, 3837,  
 3846, 3855, 4286, 4290, 4295,  
 4296, 4297  
 \ding ..... 5659, 5660  
 \display@setup ..... 166, 191  
 \divide .. 4695, 4696, 5747, 5755,  
 5760, 5787, 5793, 5801, 5803,  
 5806, 5810, 5814, 5818  
 \do . 1828, 2181, 2270, 2471, 3556,  
 4269, 5293  
 \document@select@group .. 5248  
 \doreset@version ..... 5282  
 \dosetclass ... 1591, 1592, 1596  
 \dot ..... 5493  
 \doublebox ..... 5034, 5087  
 \dquad ..... 199, 201  
 \dseries@display@setup ... 191  
  
**E**  
 \e@alloc@intercharclass@top .  
 ..... 3201, 3202  
 \edef 1896, 1951, 1985, 2049, 2057,  
 2074, 2183, 2272, 2432, 3038,  
 3063, 3105, 3108, 3558, 3653,  
 3656, 3666, 3683, 3700, 3711,  
 3717, 3723, 3729, 3735, 3741,  
 3747, 3762, 3778, 3793, 3808,  
 3823, 3836, 3845, 3854, 4266,  
 4272, 5625  
 \edition ..... 4753  
 \editionFormat ..... 4462, 4465  
 \editorialAuthorFormat .. 4605,  
 5169  
 \editorialTitleFormat ... 4603,  
 4604  
 \egroup ..... 5479  
 \else .. 2, 3, 5, 7, 32, 63, 121, 169,  
 199, 1219, 1220, 1221, 1222,  
 1223, 1224, 1225, 1226, 1227,  
 1228, 1229, 1318, 1333, 1340,  
 1348, 1355, 1363, 1370, 1378,  
 1385, 1392, 1399, 1406, 1413,  
 1420, 1427, 1434, 1441, 1448,  
 1455, 1462, 1469, 1476, 1483,  
 1489, 1500, 1502, 1504, 1514,  
 1515, 1516, 1517, 1518, 1519,  
 1520, 1521, 1522, 1523, 1524,  
 1525, 1526, 1527, 1528, 1529,  
 1595, 1623, 1624, 1636, 1639,  
 1642, 1645, 1648, 1651, 1654,  
 1657, 1660, 1763, 1764, 1765,  
 1766, 1767, 1768, 1769, 1770,  
 1771, 1809, 1817, 1822, 1832,  
 1838, 1891, 1894, 1899, 1900,  
 1901, 1902, 1903, 1913, 1928,  
 1929, 1930, 1931, 1932, 1933,  
 1934, 1935, 1936, 1937, 1938,  
 1939, 1945, 1946, 1947, 1949,  
 1950, 1953, 1954, 1955, 1956,  
 1957, 1958, 1960, 1961, 1962,  
 1963, 1964, 1967, 1968, 1969,  
 1970, 1971, 1972, 1979, 1980,  
 1981, 1983, 1984, 1987, 1988,  
 1989, 1990, 1991, 1992, 1994,



1995, 1996, 1997, 1998, 1999,	5826, 5862, 5870
2000, 2003, 2004, 2005, 2006,	<code>\empty</code> ..... 1594
2007, 2008, 2028, 2029, 2030,	<code>\enclname</code> ..... 3919
2031, 2032, 2033, 2034, 2035,	<code>\encodingdefault</code> .....
2036, 2038, 2039, 2040, 2041,	.. 3176, 3248, 3354, 3378,
2042, 2043, 2068, 2069, 2070,	3402, 3426, 3450, 3474
2072, 2073, 2076, 2077, 2078,	<code>\end</code> 1591, 1592, 1597, 1598, 2360,
2079, 2080, 2081, 2082, 2083,	2361, 2432, 2443, 2611, 2615,
2084, 2085, 2086, 2087, 2088,	2619, 2621, 2666, 2670, 2674,
2089, 2091, 2092, 2093, 2094,	2676, 2718, 2722, 2726, 2728,
2095, 2098, 2099, 2100, 2101,	3540, 3541, 3900, 4470, 4475,
2102, 2103, 2115, 2125, 2150,	4532, 4546, 4556, 4565, 4588,
2163, 2195, 2200, 2209, 2212,	4627, 4630, 4633, 4650, 4705,
2226, 2230, 2239, 2243, 2246,	4711, 4788, 4794, 4798, 4824,
2258, 2262, 2263, 2284, 2305,	4830, 4864, 4884, 4899, 4905,
2319, 2321, 2324, 2338, 2340,	4941, 4942, 4943, 4966, 4967,
2351, 2374, 2385, 2398, 2400,	4968, 4992, 4993, 4994, 5019,
2403, 2418, 2420, 2426, 2434,	5020, 5023, 5053, 5057, 5068,
2442, 2469, 2472, 2473, 2474,	5069, 5106, 5110, 5139, 5170,
2475, 2476, 2477, 2478, 2479,	5171, 5185, 5197, 5210, 5598,
2480, 2637, 2658, 2693, 2745,	5601, 5603, 5606, 5652, 5653,
2770, 2787, 2803, 2804, 2805,	5657, 5711
2806, 2807, 2808, 2809, 2810,	<code>\end@correction</code> ..... 5691
2811, 2812, 2818, 2826, 2834,	<code>\endcomment</code> ..... 5684
2842, 2850, 2858, 2866, 2873,	<code>\endcorrection</code> ..... 5684, 5691
2882, 2951, 3083, 3089, 3095,	<code>\endcsname</code> 1669, 1671, 1672, 1866,
3122, 3219, 3220, 3566, 3580,	1906, 2111, 2114, 2121, 2124,
3591, 3618, 3619, 3620, 3622,	2141, 2448, 2465, 2466, 2467,
3625, 3626, 3628, 3632, 3633,	2468, 2469, 2634, 2690, 2742,
3634, 3636, 3639, 3640, 3642,	3102, 3105, 3111, 3113, 3564,
3904, 3905, 3906, 3907, 3908,	3760, 3776, 3791, 3806, 3821,
3909, 3910, 3911, 3912, 3913,	3834, 3843, 3852, 3932, 3937,
3914, 3915, 3916, 3917, 3918,	3940, 4046, 4170, 4302, 4304,
3919, 3920, 3921, 3922, 3931,	4308, 4310, 4314, 4316, 5228,
3936, 3954, 3956, 3964, 3965,	5231, 5236, 5237, 5252, 5255,
3966, 3967, 3968, 3969, 3970,	5259, 5261, 5263, 5298, 5300,
3971, 3989, 4004, 4018, 4031,	5847, 5856, 5867
4034, 4055, 4057, 4065, 4066,	<code>\endgroup</code> 2369, 2447, 2510, 3101,
4067, 4068, 4069, 4070, 4071,	3109, 3761, 3777, 3792, 3807,
4072, 4090, 4105, 4118, 4119,	3822, 3835, 3844, 3853, 5233,
4122, 4153, 4155, 4157, 4159,	5257, 5483, 5484, 5485, 5486,
4161, 4260, 4276, 4331, 4672,	5487, 5488, 5489, 5490, 5491,
5150, 5225, 5238, 5244, 5249,	5492, 5493, 5494, 5495
5264, 5270, 5367, 5483, 5484,	<code>\endL</code> ..... 4502, 4903
5485, 5486, 5487, 5488, 5489,	<code>\endlatin</code> ..... 3521, 3529
5490, 5491, 5492, 5493, 5494,	<code>\endLTR</code> ..... 3521
5509, 5518, 5519, 5520, 5522,	<code>\endMakeFramed</code> ..... 1508
5523, 5524, 5530, 5531, 5532,	<code>\endmath</code> ..... 196
5534, 5535, 5536, 5753, 5757,	<code>\endpersian</code> ..... 3531, 3539
5762, 5763, 5770, 5791, 5796,	<code>\endquestion</code> ..... 5704





<code>\endR</code>	4506, 4507, 4508, 4519, 4520, 4521, 4726, 4727, 4728, 4746, 4767, 4768, 4769, 4770, 4771, 4772, 4923, 5018	397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697,
<code>\endRTL</code>	3531	
<code>\ends@math</code>	196	
<code>\endtrivlist</code>	2137, 2447	
<code>\end</code>	2137, 2141, 2447, 2448	
<code>\ensuremath</code>	3079	
<code>\eq@addpunct</code>	201	
<code>\eq@group</code>	169, 178	
<code>\eq@GRP@first@dmath</code>	178	
<code>\eq@prelim</code>	169, 186	
<code>\eq@setnumber</code>	172	
<code>\eq@setup@a</code>	174	
<code>\eq@startup</code>	175	
<code>\eq@wdCond</code>	193	
<code>\eqcommand</code>	205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396,	





698, 699, 700, 701, 702, 703,  
704, 705, 706, 707, 708, 709,  
710, 711, 712, 713, 714, 715,  
716, 717, 718, 719, 720, 721,  
722, 723, 724, 725, 726, 727,  
728, 729, 730, 731, 732, 733,  
734, 735, 736, 737, 738, 739,  
740, 741, 742, 743, 744, 745,  
746, 747, 748, 749, 750, 751,  
752, 753, 754, 755, 756, 757,  
758, 759, 760, 761, 762, 763,  
764, 765, 766, 767, 768, 769,  
770, 771, 772, 773, 774, 775,  
776, 777, 778, 779, 780, 781,  
782, 783, 784, 785, 786, 787,  
788, 789, 790, 791, 792, 793,  
794, 795, 796, 797, 798, 799,  
800, 801, 802, 803, 804, 805,  
806, 807, 808, 809, 810, 811,  
812, 813, 814, 815, 817, 818,  
819, 820, 821, 822, 823, 824,  
825, 826, 827, 828, 829, 830,  
831, 832, 833, 834, 835, 836,  
837, 838, 839, 840, 841, 842,  
843, 844, 845, 846, 847, 848,  
849, 850, 851, 852, 853, 854,  
855, 856, 857, 858, 859, 860,  
861, 862, 863, 864, 865, 866,  
867, 868, 869, 870, 871, 872,  
873, 874, 875, 876, 877, 878,  
879, 880, 881, 882, 883, 884,  
885, 886, 887, 888, 889, 890,  
891, 892, 893, 894, 895, 896,  
897, 898, 899, 900, 901, 902,  
903, 904, 905, 906, 907, 908,  
909, 910, 911, 912, 913, 914,  
915, 916, 917, 918, 919, 920,  
921, 922, 923, 924, 925, 926,  
927, 928, 929, 930, 931, 932,  
933, 934, 935, 936, 937, 938,  
939, 940, 941, 942, 943, 944,  
945, 946, 947, 948, 949, 950,  
951, 952, 953, 954, 955, 956,  
957, 958, 959, 960, 961, 962,  
963, 964, 965, 966, 967, 968,  
969, 970, 971, 972, 973, 974,  
975, 976, 977, 978, 979, 980,  
981, 982, 983, 984, 985, 986,  
987, 988, 989, 990, 991, 992,  
993, 994, 995, 996, 997, 998,

999, 1000, 1001, 1002, 1003,  
1004, 1005, 1006, 1007, 1008,  
1009, 1010, 1011, 1012, 1013,  
1014, 1015, 1016, 1017, 1018,  
1019, 1020, 1021, 1022, 1023,  
1024, 1025, 1026, 1027, 1028,  
1029, 1030, 1031, 1032, 1033,  
1034, 1035, 1036, 1037, 1038,  
1039, 1040, 1041, 1042, 1043,  
1044, 1045, 1046, 1047, 1048,  
1049, 1050, 1051, 1052, 1053,  
1054, 1055, 1056, 1057, 1058,  
1059, 1060, 1061, 1062, 1063,  
1064, 1065, 1066, 1067, 1068,  
1069, 1070, 1071, 1072, 1073,  
1074, 1075, 1076, 1077, 1078,  
1079, 1080, 1081, 1082, 1083,  
1084, 1085, 1086, 1087, 1088,  
1089, 1090, 1091, 1092, 1093,  
1094, 1095, 1096, 1097, 1098,  
1099, 1100, 1101, 1102, 1103,  
1104, 1105, 1106, 1107, 1108,  
1109, 1110, 1111, 1112, 1113,  
1114, 1115, 1116, 1117, 1118,  
1119, 1120, 1121, 1122, 1123,  
1124, 1125, 1126, 1127, 1128,  
1129, 1130, 1131, 1132, 1133,  
1134, 1135, 1136, 1137, 1138,  
1139, 1140, 1141, 1142, 1143,  
1144, 1145, 1146, 1147, 1158,  
1159, 1160, 1161, 1162, 1163,  
1164, 1165, 1166, 1167, 1168,  
1169, 1170, 1171, 1172, 1173,  
1174, 1175, 1176, 1177, 1178,  
1179, 1180, 1181, 1182, 1183,  
1184, 1185, 1186, 1187, 1188,  
1189, 1190, 1191, 1192, 1193,  
1194, 1195, 1196, 1197, 1198,  
1199, 1200, 1201, 1202, 1203,  
1204, 1205, 1206, 1207, 1208,  
1209, 1210, 1211, 1212, 1213,  
1214, 1215, 1216, 1667

`\EqEnvironment` . . . . . 1252, 1670

`\eqenvironment` . . . . .  
. . . 1246, 1247, 1248, 1249,  
1250, 1251, 1253, 1254, 1255,  
1256, 1257, 1258, 1259, 1260,  
1261, 1262, 1263, 1264, 1265,  
1266, 1267, 1268, 1269, 1270,  
1271, 1272, 1273, 1274, 1275,



1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1668	<b>F</b> <code>\f@baselineskip</code> 3499, 3513, 3752, 3859, 4322, 4324 <code>\f@family</code> ..... 3219, 3220 <code>\f@size</code> ..... 3499, 3513 <code>\f@ur</code> 1583, 3571, 3587, 3588, 3589, 3592, 3593, 3594 <code>\false</code> ..... 5671 <code>\falsesymbol</code> ..... 5662 <code>\familydefault</code> ..... .. 3175, 3247, 3353, 3377, 3401, 3425, 3449, 3473 <code>\fancyfoot</code> 4766, 4770, 4771, 4772 <code>\fancyhead</code> 4765, 4767, 4768, 4769 <code>\FancyVerbLineautorefname</code> 1527 <code>\fbox</code> 4650, 4665, 4880, 5648, 5708 <code>\fboxrule</code> 1497, 1499, 1501, 1503, 4722 <code>\fboxsep</code> . 1497, 1499, 1501, 1503, 4653, 4846, 4878, 4950, 4978, 5026, 5075 <code>\fi</code> ..... 2, 3, 5, 7, 35, 63, 68, 86, 121, 165, 167, 168, 169, 177, 188, 190, 199, 1232, 1318, 1335, 1342, 1350, 1357, 1365, 1372, 1380, 1387, 1394, 1401, 1408, 1415, 1422, 1429, 1436, 1443, 1450, 1457, 1464, 1471, 1478, 1485, 1489, 1500, 1502, 1504, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1541, 1587, 1596, 1623, 1624, 1638, 1641, 1644, 1647, 1650, 1653, 1656, 1659, 1662, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1812, 1813, 1819, 1834, 1835, 1840, 1841, 1844, 1847, 1850, 1853, 1856, 1859, 1863, 1864, 1872, 1890, 1891, 1897, 1904, 1907, 1912, 1913, 1932, 1933, 1934, 1935, 1939, 1940, 1941, 1955, 1956, 1957, 1958, 1973, 1974, 1989, 1990, 1991, 1992, 2009, 2010, 2024, 2033, 2034, 2035, 2036, 2043, 2044, 2048, 2053, 2056, 2061, 2064, 2078, 2079, 2080, 2081, 2104, 2105, 2115, 2125
<code>\eqstyle</code> ..... 171 <code>\equal</code> 4701, 4856, 5028, 5033, 5038, 5043, 5048, 5081, 5086, 5091, 5096, 5101 <code>\equationautorefname</code> ... 1514 <code>\escapechar</code> ... 3104, 5230, 5254 <code>\everydisplay</code> .. 166, 5545, 5546 <code>\everyjob</code> ..... 3063, 3066 <code>\everymath</code> ..... 5542 <code>\everypar</code> ..... 3523, 3533, 3550 <code>\ExecuteOptions</code> ..... 5694 <code>\exp</code> 3168, 3170, 3171, 3172, 3193, 3195, 3196, 3197, 3240, 3242, 3243, 3244, 3273, 3275, 3276, 3277, 3297, 3299, 3300, 3301, 3346, 3348, 3349, 3350, 3370, 3372, 3373, 3374, 3394, 3396, 3397, 3398, 3418, 3420, 3421, 3422, 3442, 3444, 3445, 3446, 3466, 3468, 3469, 3470 <code>\expandafter</code> ..... 166, 1591, 1597, 1671, 1672, 1826, 1827, 1951, 1985, 2074, 2111, 2114, 2121, 2124, 2141, 2183, 2272, 2388, 2393, 2394, 2399, 2404, 2405, 2411, 2412, 2413, 2414, 2421, 2422, 2423, 2424, 2426, 2435, 2436, 2437, 2438, 2448, 2465, 2466, 2467, 2468, 3082, 3084, 3088, 3090, 3094, 3096, 3101, 3102, 3105, 3108, 3109, 3111, 3112, 3558, 3659, 3932, 3937, 3940, 3955, 3961, 4046, 4056, 4062, 4156, 4158, 4160, 4162, 4170, 4259, 4261, 5225, 5244, 5249, 5258, 5259, 5260, 5270, 5542, 5545, 5626 <code>\expandedtitle</code> ..... 5022 <code>\ExplSyntaxOff</code> 2140, 2462, 3036, 3481, 5295, 5471, 5578 <code>\ExplSyntaxOn</code> . 2138, 2450, 2890, 3127, 5274, 5301, 5550 <code>\extract@alph@from@version</code> .. ..... 5258	



2137, 2155, 2173, 2194, 2196,  
 2207, 2211, 2220, 2221, 2225,  
 2237, 2242, 2246, 2250, 2251,  
 2255, 2260, 2261, 2262, 2263,  
 2283, 2285, 2307, 2315, 2323,  
 2324, 2333, 2334, 2340, 2343,  
 2353, 2374, 2389, 2407, 2427,  
 2440, 2443, 2469, 2481, 2509,  
 2638, 2639, 2640, 2641, 2642,  
 2643, 2644, 2645, 2646, 2647,  
 2648, 2649, 2650, 2651, 2652,  
 2653, 2658, 2694, 2695, 2696,  
 2697, 2698, 2699, 2700, 2701,  
 2702, 2703, 2704, 2705, 2706,  
 2707, 2708, 2709, 2746, 2747,  
 2748, 2749, 2750, 2751, 2752,  
 2753, 2754, 2755, 2756, 2757,  
 2758, 2759, 2760, 2761, 2772,  
 2789, 2803, 2804, 2805, 2806,  
 2807, 2808, 2809, 2810, 2811,  
 2812, 2820, 2828, 2836, 2844,  
 2852, 2860, 2868, 2875, 2882,  
 2954, 3067, 3085, 3091, 3097,  
 3115, 3116, 3124, 3219, 3220,  
 3527, 3537, 3559, 3566, 3579,  
 3584, 3585, 3586, 3590, 3595,  
 3596, 3597, 3598, 3607, 3618,  
 3619, 3620, 3624, 3626, 3630,  
 3631, 3633, 3634, 3638, 3640,  
 3644, 3645, 3646, 3766, 3782,  
 3797, 3813, 3829, 3838, 3847,  
 3856, 3904, 3905, 3906, 3907,  
 3908, 3909, 3910, 3911, 3912,  
 3913, 3914, 3915, 3916, 3917,  
 3918, 3919, 3920, 3921, 3922,  
 3931, 3936, 3958, 3972, 3984,  
 3989, 3990, 3993, 3995, 3996,  
 4008, 4012, 4014, 4015, 4017,  
 4020, 4022, 4028, 4031, 4034,  
 4038, 4043, 4059, 4073, 4085,  
 4090, 4091, 4094, 4096, 4097,  
 4109, 4113, 4115, 4116, 4118,  
 4124, 4125, 4127, 4132, 4139,  
 4145, 4163, 4164, 4165, 4166,  
 4167, 4168, 4175, 4176, 4179,  
 4180, 4183, 4184, 4186, 4187,  
 4199, 4262, 4276, 4283, 4333,  
 4334, 4336, 4675, 4676, 4881,  
 4898, 5062, 5136, 5155, 5182,  
 5207, 5225, 5243, 5244, 5249,  
 5269, 5270, 5369, 5496, 5497,  
 5498, 5499, 5500, 5501, 5502,  
 5503, 5504, 5505, 5506, 5507,  
 5509, 5518, 5519, 5520, 5522,  
 5523, 5524, 5530, 5531, 5532,  
 5534, 5535, 5536, 5762, 5764,  
 5765, 5766, 5772, 5796, 5797,  
 5817, 5828, 5849, 5858, 5865,  
 5872, 5887  
 \figureautorefname . . . . . 1517  
 \figurename . . . . . 1344, 3904  
 \finishsetclass . . . . . 1594, 1598  
 \firstarticle . . . . . 4777, 4801, 4802,  
 4804  
 \FirstFrameCommand . . . . . 1499  
 \firstimage . . . . . 4874, 4887, 4888,  
 4890  
 \firstTextFormat . . . . . 4535, 4537  
 \firstTitleFormat . . . . . 4523, 4529,  
 4530  
 \float@box . . . . . 2112, 2122  
 \float@endH . . . . . 2111, 2121  
 \floatsep . . . . . 3863, 3867, 3868  
 \flushright . . . . . 4523, 4542, 4561  
 \font . . . . . 3575  
 \font@name 4302, 4304, 4308, 4310,  
 4314, 4316  
 \fontencoding . . . . .  
 . . . . . 3170, 3196, 3242, 3276,  
 3300, 3348, 3372, 3396, 3420,  
 3444, 3468  
 \fontfamily 3171, 3195, 3243, 3275,  
 3299, 3314, 3317, 3320, 3323,  
 3326, 3329, 3349, 3373, 3397,  
 3421, 3445, 3469  
 \fontsize . . . . . 3499, 3513  
 \fontspec 2139, 2457, 3166, 3190,  
 3239, 3270, 3294, 3344, 3368,  
 3392, 3416, 3440, 3464, 5413,  
 5447, 5462  
 \foot . . . . . 4518  
 \footins . . . . . 3861  
 \footnote . . . . . 4615  
 \footnoteautorefname . . . . . 1515  
 \footnoterule . . . . . 4614  
 \footnotesep . . . . . 3860, 4330, 4332  
 \footnotesize . . . . . 113, 115,  
 117, 1318, 1319, 1320, 1489,  
 1491, 1493, 3700, 3701, 4443,  
 4444, 4478, 4511, 4576, 4600,



	4601, 4613		
\foottextfont	1318	\gdef	43, 49, 55, 61, 131, 132, 142, 143, 149, 150, 161, 162, 1304, 1314, 1315, 1326, 1327, 1535, 1536, 1552, 1554, 1758, 1759, 2508, 2580, 2581, 2587, 2588, 2594, 2595, 2602, 2603, 2629, 2684, 2685, 2736, 2737, 4456, 4726, 4727, 4728, 5475, 5589, 5591, 5609, 5611, 5613, 5619, 5620, 5636, 5661, 5662, 5676, 5695, 5697, 5702, 5713
\FrameCommand	1497	\get@cdp	5284
\FrameRestore	1505	\getanddefine@fonts	4301, 4307, 4313, 5231, 5255
\Frefchapname	1329, 1398, 1400	\Gin@boolkey	2464
\frefchapname	1396	\glb@currsiz	5412
\Frefenumname	1330, 1405, 1407	\global	73, 74, 168, 178, 179, 180, 181, 182, 183, 184, 185, 193, 1869, 1873, 2193, 2282, 4635, 4636, 4637, 4638, 4639, 4640, 4641, 4642, 4643, 4644, 5237, 5263
\frefenumname	1403	\globaldefs	5232, 5256
\Frefeqname	1337, 1412, 1414	\glsaddprotectedpagefmt	1510, 1511, 1512
\frefeqname	1410	\goodbreak	5213
\Freffigname	1344, 1377, 1419, 1421	\grid	4417, 4421, 4683
\freffigname	1417	\Grot@x	2472, 2473, 2474, 2475
\Freffigshortname	1375, 1468, 1470	\Grot@y	2476, 2477, 2478, 2479, 2480, 2481
\freffigshortname	1466	\group	2457
\Freffnname	1345, 1426, 1428	\group@elt	5283
\freffnname	1424	\group@list	5283
\Frefonname	1352, 1433, 1435	\grp@aligned	184
\frefonname	1431	\GRP@box	179
\Frefpgname	1359, 1384, 1440, 1442	\grp@eqs@numbered	183
\frefpgname	1438	\grp@hasNumber	188
\Frefpgshortname	1382, 1475, 1477	\GRP@label	180
\frefpgshortname	1473	\grp@linewidth	182
\Frefsecname	1360, 1447, 1449	\GRP@queue	179
\frefsecname	1445	\grp@setnumber	188
\Frefseename	1367, 1454, 1456	\grp@shiftnumber	185
\frefseename	1452	\grp@wdL	181
\Freftabname	1374, 1461, 1463	\grp@wdNum	182
\freftabname	1459	\grp@wdR	181
\Freftabshortname	1389, 1482, 1484	\grp@wdT	181
\freftabshortname	1480		
\frenchspacing	2136, 2444		
\frontmatter	15, 124, 135, 153, 1306, 2657		
\futurelet	2379, 4256, 5475, 5480		
	<b>G</b>		<b>H</b>
\g	3170, 3176, 3196, 3242, 3248, 3276, 3300, 3348, 3354, 3372, 3378, 3396, 3402, 3420, 3426, 3444, 3450, 3468, 3474, 5275, 5413, 5416, 5417, 5418, 5419, 5447, 5449, 5462, 5464	\harfi	1219, 1237, 1242, 1752,
\g@addto@macro	2632, 2634, 2688, 2690, 2740, 2742, 5623		
\G@refundefinedtrue	3561		



2638, 2694, 2746, 3937  
\harfinumeral ..... 3938  
\hbox 2020, 2775, 2779, 3560, 3901, 3902  
\headDateTimeFormat 4482, 4484  
\headerfont ..... 5589  
\headheight ..... 4716  
\heading ..... 4505  
\headrulewidth ..... 4717, 4773  
\headtoname ..... 3921  
\height ..... 2476, 2477  
\hfil 2016, 2017, 2018, 2019, 2051, 2052, 2053, 2059, 2060, 2061  
\hline ... 5166, 5630, 5631, 5634, 5635, 5655, 5656  
\hrule ... 1581, 5049, 5055, 5102, 5108, 5153, 5193  
\hrulefill ..... 4731, 4736, 4750  
\hsize ... 1505, 1877, 1893, 1918, 1919, 2117, 2127  
\hskip ... 1585, 2018, 2019, 2061  
\hspace .. 4484, 4502, 4731, 4737, 4749, 4751, 4929  
\hss ..... 1905, 3881  
\Huge 3747, 3748, 4454, 4523, 4579  
\huge ..... 3741, 3742, 4453  
\Hy@AlphaNoErr ..... 1552, 1554  
\Hy@appendixstring . 1537, 1556  
\Hy@backout ..... 69, 77  
\Hy@chapapp ..... 1537, 1556  
\HyOrg@appendix .... 1532, 1538  
\HyOrg@resets@pp ... 1549, 1557  
\hyper@natlinkbreak 2215, 2246  
\hyper@natlinkstart ..... 77

**I**

\if 169, 188, 1830, 1836, 1842, 1845, 1848, 1851, 1854, 1857, 1860, 1891, 1898, 1899, 1900, 1901, 1913, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1953, 1954, 1955, 1956, 1957, 1958, 1960, 1961, 1962, 1963, 1964, 1967, 1968, 1969, 1970, 1971, 1972, 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2008, 2031, 2032, 2033, 2034, 2035, 2036, 2038, 2039, 2040, 2041, 2042, 2043, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2091, 2092, 2093, 2094, 2095, 2098, 2099, 2100, 2101, 2102, 2103, 2198, 2228, 2246, 2256, 2262, 2263, 2324, 2340, 2372, 2392, 2398, 2400, 2410, 2418, 2420, 2442, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481  
@if@@textdigitfont@on ... 3219, 3220, 3610  
@if@bidi@algorithmicloaded@ . ..... 1636  
@if@bidi@algorithmloaded@ 1639  
@if@bidi@backrefloaded@ . 1642  
@if@bidi@csdef ..... 1669  
@if@bidi@csprimitive ... 1667  
@if@bidi@csundef ... 3207, 3895, 4150, 4201  
@if@bidi@enumerateloaded@ 1645  
@if@bidi@enumitemloaded@ 1648  
@if@bidi@fancyrefloaded@ 1651  
@if@bidi@tocloftloaded@ . 1654  
@if@bidi@urlloaded@ .... 1657  
@if@bidi@variorefloaded@ 1660  
@if@chapter@pp ..... 28  
@if@extrafootnotefeatures 4280  
@if@filesw ..... 3559  
@if@hboxRconstruct . 1890, 1912  
@if@inlabel ..... 168  
@if@Kashida@on ..... 1576, 1578  
@if@LTRbibitems ..... 4197  
@if@newlist ..... 2137  
@if@nonlatin ..... .. 2768, 3219, 3220, 5530, 5531, 5532, 5534, 5535, 5536  
@if@noskipsec ..... 167  
@if@pboxsw ..... 1907  
@if@RTL 2, 3, 5, 7, 63, 121, 165, 177, 190, 1331, 1338, 1346, 1353, 1361, 1368, 1376, 1383, 1390, 1397, 1404, 1411, 1418, 1425, 1432, 1439, 1446, 1453, 1460, 1467, 1474, 1481, 1500, 1502, 1504, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1623, 1624, 1763,



1764, 1765, 1766, 1767, 1768,	1980, 1981, 1982, 1984, 2029,
1769, 1770, 1771, 1891, 1913,	2030, 2068, 2069, 2070, 2071,
2803, 2804, 2805, 2806, 2807,	2073, 2509, 2785, 3120, 3600,
2808, 2809, 2810, 2811, 2812,	3952, 3954, 3963, 3964, 3965,
2815, 2823, 2831, 2839, 2847,	3966, 3967, 3968, 3969, 3970,
2855, 2863, 2871, 2882, 3904,	3987, 3989, 3991, 3993, 3995,
3905, 3906, 3907, 3908, 3909,	4000, 4011, 4012, 4014, 4016,
3910, 3911, 3912, 3913, 3914,	4017, 4020, 4053, 4055, 4064,
3915, 3916, 3917, 3918, 3919,	4065, 4066, 4067, 4068, 4069,
3920, 3921, 3922	4070, 4071, 4088, 4090, 4092,
\if@RTL@footnote ... 1318, 1489	4094, 4096, 4101, 4112, 4113,
\if@RTLmain ..... 3566	4115, 4117, 4118, 4120, 4125,
\if@RTLtab 1932, 1933, 1934, 1935,	4152, 4154, 4156, 4158, 4160,
1955, 1956, 1957, 1958, 1989,	4162, 4176, 4180, 4184, 4187,
1990, 1991, 1992, 2033, 2034,	5060, 5134, 5180, 5205, 5228,
2035, 2036, 2078, 2079, 2080,	5252, 5758, 5762, 5790, 5796,
2081	5817, 5844, 5848, 5853, 5857,
\if@tempswa 2315, 3766, 3782, 3797,	5859, 5868
3813, 3829, 3838, 3847, 3856	\ifodd ... 1831, 1837, 5751, 5756
\if@twoside ..... 2658	\ifRtoL ..... 91
\if@xepersian@@computeautoilg	\Ifstr ..... 2608, 2663, 2715
..... 2886, 4320	\ifthenelse 4403, 4415, 4424, 4528,
\if@xepersian@banner 2885, 3064	4543, 4562, 4583, 4701, 4779,
\ifadl@usingarypkg ..... 1977	4780, 4810, 4842, 4856, 4876,
\ifBR@verbose ..... 66	4894, 4918, 4948, 4972, 4999,
\ifcase .. 2015, 2046, 2050, 2054,	5028, 5033, 5038, 5043, 5048,
2058, 2197, 2227, 2320, 3925,	5081, 5086, 5091, 5096, 5101,
3934, 3962, 4025, 4031, 4034,	5637
4037, 4041, 4063, 4130, 4135,	\ifvoid ..... 3525, 3535
4142, 4174, 4178, 4182, 4186,	\ifwritexviii ..... 2940, 3119
4271, 5880	\ifx 1219, 1220, 1221, 1222, 1223,
\ifdim 198, 3081, 3087, 3093, 3576,	1224, 1225, 1226, 1227, 1228,
3577, 3581, 3582, 3587, 3588,	1229, 1594, 1807, 1810, 1894,
3592, 3593, 3602, 3618, 3619,	2114, 2124, 2201, 2202, 2204,
3620, 3626, 3633, 3634, 3640,	2231, 2232, 2234, 2303, 2321,
4326, 4330, 4663, 5148	2381, 2430, 2469, 2636, 2638,
\iffontchar ..... 3575, 5362	2639, 2640, 2641, 2642, 2643,
\ifhmode ..... 1814	2644, 2645, 2646, 2647, 2648,
\ifHy@implicit ..... 1530	2649, 2650, 2651, 2652, 2692,
\ifinner ..... 1820	2694, 2695, 2696, 2697, 2698,
\IfLTXAtLeastTF 2631, 2687, 2739	2699, 2700, 2701, 2702, 2703,
\ifmmode ..... 1902, 5227, 5251	2704, 2705, 2706, 2707, 2708,
\ifNAT@full ..... 2195, 2284	2744, 2746, 2747, 2748, 2749,
\ifNAT@longnames ... 2191, 2280	2750, 2751, 2752, 2753, 2754,
\ifNAT@numbers ..... 2144, 2351	2755, 2756, 2757, 2758, 2759,
\ifNAT@super ..... 2145	2760, 3102, 3110, 3219, 3220,
\ifNAT@swa 2197, 2262, 2286, 2338	4258, 5225, 5249, 5483, 5484,
\ifnum ..... 86,	5485, 5486, 5487, 5488, 5489,
199, 1861, 1928, 1929, 1945,	5490, 5491, 5492, 5493, 5494,
1946, 1947, 1948, 1950, 1979,	5509, 5518, 5519, 5520, 5522,



5523, 5524, 5530, 5531, 5532,  
 5534, 5535, 5536  
`\ifXePersian@kabiseh` 5719, 5824  
`\ifXePersian@leap` .. 5719, 5768  
`\IfxepersianPackageVersion` ..  
     ..... 3092  
`\IfxepersianPackageVersionBefore`  
     ..... 3086  
`\IfxepersianPackageVersionLater`  
     ..... 3080  
`\ifxetex` ..... 4656, 4879, 4896  
`\ignorespaces` .....  
     202, 2119, 2129, 3162, 3186,  
     3228, 3235, 3340, 3364, 3388,  
     3412, 3436, 3460, 4474, 4527,  
     4537, 4542, 4550, 4555, 4561,  
     4569, 4829, 4855, 5004  
`\image` ..... 4651  
`\immediate` .... 2946, 2947, 3559  
`\includegraphics` ... 4666, 4880,  
     4897  
`\indexEntryFormat` .. 4472, 4474  
`\indexEntryPageFormat` ... 4478,  
     4480  
`\indexEntryPageTxt` . 4477, 4480  
`\indexEntrySeparator` 4476, 5004  
`\indexFormat` ..... 4468, 4470  
`\indexitem` 4997, 5007, 5008, 5010  
`\indexname` ..... 3910  
`\init@restore@version` ... 5234,  
     5282  
`\innerAuthorFormat` . 4600, 5117  
`\innerPlaceFormat` .. 4601, 5117  
`\innerSubtitleFormat` 4590, 4591  
`\innerTextFinalMark` 4602, 5138  
`\innerTitleFormat` .. 4579, 4584,  
     4585  
`\input` 1683, 1684, 1685, 1686, 1687,  
     1688, 1689, 2926, 2933, 4205,  
     4206, 4207, 4208, 4209, 4210,  
     4211, 4212, 4213, 4214, 4215,  
     4216, 4217, 4218, 4219, 4220,  
     4221, 4222, 4223, 4224, 4225,  
     4226, 4227, 4228, 4229, 4230,  
     4231, 4232, 4233, 4234, 4235,  
     4236, 4237, 4238, 4239, 4240,  
     4241, 4242, 4243, 4244, 4245,  
     4246, 4247, 4248, 4249, 4250,  
     4251, 4281, 4282  
`\insert@column` 2017, 2018, 2019,  
     2020, 2022, 2023  
`\int` 5307, 5310, 5318, 5326, 5334,  
     5342, 5554, 5567  
`\intermath@penalty` ..... 201  
`\intextsep` ..... 3867  
`\iranicdefault` 3308, 3320, 3465,  
     3473  
`\iranicfamily` . 3318, 3319, 3332,  
     3466  
`\item` .... 5663, 5664, 5665, 5666  
`\itemautorefname` ..... 1516  
`\itemsep` . 3765, 3781, 3796, 3812,  
     3828  
`\itshape` ..... 4195, 5675  
  

## J

`\jobname` ..... 2948, 2949  
  

## K

`\KashidaOff` ..... 1619  
`\KashidaOn` ..... 1618, 1621  
`\kern` .... 2149, 3526, 3536, 3902  
`\keys` 2891, 2902, 2909, 2916, 2923,  
     2930, 2957, 2964, 2978, 2982,  
     2986, 2990, 2994, 2998, 3002,  
     3006, 3013, 3026, 3129, 3136,  
     3144, 3151  
`\keyval@eq@alias@key` 1675, 1679  
`\KOMAClassName` 2609, 2632, 2664,  
     2688, 2716, 2740  
  

## L

`\l` .. 3131, 3132, 3133, 3140, 3146,  
     3147, 3148, 3155, 3166, 3167,  
     3171, 3190, 3195, 3239, 3243,  
     3344, 3345, 3349, 3368, 3369,  
     3373, 3392, 3393, 3397, 3416,  
     3417, 3421, 3440, 3441, 3445,  
     3464, 3465, 3469, 5365, 5372,  
     5376, 5377, 5384, 5385, 5392,  
     5393  
`\label` ..... 5133, 5179, 5203  
`\labelsep` 3809, 3824, 3837, 3846,  
     3855  
`\labelwidth` .. 3809, 3824, 3837,  
     3846, 3855  
`\LARGE` ... 3735, 3736, 4452, 4539,  
     4603, 4606, 4619, 4621  
`\Large` ... 3729, 3730, 4451, 4558,  
     4608, 4735, 5018, 5052





`\large` 3723, 3724, 4450, 4462, 4468,  
4548, 4567, 4590, 4610, 4623,  
4629, 4741  
`\lastbox` ..... 3524, 3534  
`\LastFrameCommand` ..... 1503  
`\lastpenalty` ..... 199  
`\lastskip` ..... 198  
`\latin` ..... 3520, 3522  
`\LatinAlphs` ... 3520, 3540, 4191  
`\Latincite` ..... 2347, 3552  
`\latinfont` 2980, 3240, 3496, 3498  
`\latintoday` ..... 3543  
`\lccode` .. 2366, 2367, 2368, 2507  
`\leaders` ..... 1581  
`\leavevmode` 167, 168, 1888, 1910,  
2137, 3554, 3901  
`\leftmargin` 3762, 3778, 3793, 3808,  
3809, 3823, 3824, 3836, 3837,  
3845, 3846, 3854, 3855  
`\leftmargini` .. 3762, 3778, 3793  
`\leftmarginii` ..... 3808  
`\leftmarginiii` ..... 3823  
`\leftmarginiv` ..... 3836  
`\leftmarginv` ..... 3845  
`\leftmarginvi` ..... 3854  
`\let` ..... 11, 19, 73, 74,  
178, 180, 183, 184, 185, 191,  
196, 1227, 1228, 1229, 1230,  
1532, 1543, 1544, 1549, 1564,  
1594, 1596, 1669, 1671, 1672,  
1881, 1882, 1883, 1884, 1885,  
1886, 1905, 1922, 1923, 1924,  
1925, 1994, 1995, 1996, 2038,  
2039, 2040, 2108, 2111, 2112,  
2121, 2122, 2141, 2145, 2147,  
2148, 2151, 2152, 2153, 2154,  
2156, 2157, 2158, 2159, 2164,  
2165, 2166, 2167, 2168, 2169,  
2170, 2180, 2189, 2192, 2195,  
2196, 2269, 2278, 2281, 2284,  
2285, 2293, 2348, 2373, 2384,  
2391, 2397, 2401, 2402, 2417,  
2419, 2439, 2448, 2466, 2468,  
2636, 2692, 2744, 2765, 2784,  
2969, 2970, 2974, 2975, 3219,  
3220, 3483, 3484, 3496, 3497,  
3501, 3502, 3505, 3506, 3507,  
3508, 3510, 3511, 3515, 3516,  
3542, 3555, 3673, 3690, 3707,  
3768, 3933, 3938, 3945, 4051,  
4171, 4189, 4190, 4192, 4193,  
4613, 4614, 4615, 4635, 4636,  
4637, 4638, 4639, 4640, 4641,  
4642, 4643, 4644, 5223, 5239,  
5265, 5412, 5543, 5547, 5592,  
5681, 5682, 5683, 5684, 5688,  
5689, 5690, 5691, 5703, 5704,  
5877, 5878, 5879  
`\lineskip` ..... 4624  
`\linespread` ..... 3605  
`\linewidth` 5629, 5633, 5648, 5708  
`\listalgorithmname` ..... 7  
`\listfigurename` ..... 3907  
`\listtablename` ..... 3908  
`\LoadClass` ..... 4396  
`\logo` ..... 4729, 4758  
`\long` 1887, 2508, 4255, 4257, 4263,  
4266  
`\longdate` ..... 5113  
`\loop` ..... 3574, 5845, 5854  
`\lower` ..... 3901  
`\lowercase` ..... 2369, 2508  
`\lr` . 1543, 2180, 2269, 3518, 3543,  
3556, 4456, 4511, 4903  
`\LRE` ..... 3518  
`\lstlistingname` ..... 1623  
`\lstlistlistingname` .... 1624  
`\LTR` ..... 3520  
`\LTRfoottextfont` ..... 1319  
`\ltx@ifundefined` ... 1534, 1547,  
1551

## M

`\m@ne` ..... 2297, 5230, 5254  
`\m@th` ..... 1907  
`\makeform` ..... 5685, 5692  
`\makeform@correction` 5600, 5692  
`\makeform@nocorrection` .. 5597,  
5685  
`\MakeFramed` ..... 1505  
`\MakeLowercase` .....  
... 1400, 1407, 1414, 1421,  
1428, 1435, 1442, 1449, 1456,  
1463, 1470, 1477, 1484  
`\makemask` ..... 5686, 5693  
`\makemask@correction` 5605, 5693  
`\makemask@nocorrection` .. 5602,  
5686  
`\maketitle` ..... 4612, 4636  
`\MakeUppercase` ..... 4578







<code>\NAT@hyper@citea@space</code> ..	2328, 2330, 2332	<code>\NAT@yrsep</code> ....	2201, 2231, 2321
<code>\NAT@idxtxt</code> .....	2160, 2171	<code>\natexlab</code> .....	2161, 2172
<code>\NAT@ifcat@num</code> .....	2292, 2295	<code>\navardefault</code> ..	3309, 3323, 3393, 3401
<code>\NAT@last@nm</code> ..	2189, 2201, 2231, 2278, 2321	<code>\navarfamilly</code> ..	3321, 3322, 3333, 3394
<code>\NAT@last@num</code> ..	2278, 2295, 2296, 2314	<code>\NeedsTeXFormat</code>	2877, 4350, 5219, 5579, 5716
<code>\NAT@last@yr</code> ..	2189, 2202, 2232, 2269, 2303, 2337	<code>\new@mathalphabet</code> .....	5285
<code>\NAT@last@yr@mbbox</code> ..	2299, 2309	<code>\new@mathbf</code> ...	5308, 5434, 5572
<code>\NAT@Latin@cites</code> ...	2349, 2350	<code>\new@mathgroup</code> ..	5222, 5223, 5278
<code>\NAT@Latin@citem</code> ...	2166, 2174, 2175	<code>\new@mathit</code> ...	5316, 5435, 5573
<code>\NAT@Latin@citemnum</code>	2157, 2264, 2265	<code>\new@mathrm</code> ...	5324, 5436, 5574
<code>\NAT@mbbox</code> 2146, 2151, 2322, 2325, 2342		<code>\new@mathsf</code> ...	5332, 5451, 5575
<code>\NAT@merge</code> .....	2299, 2314	<code>\new@mathtt</code> ...	5340, 5466, 5576
<code>\NAT@name</code> 2160, 2171, 2192, 2196, 2281, 2285		<code>\new@mathversion</code> .....	5283
<code>\NAT@nm</code> ..	2180, 2189, 2195, 2196, 2199, 2201, 2214, 2222, 2229, 2231, 2245, 2252, 2269, 2278, 2284, 2285, 2293, 2294, 2298, 2302, 2321	<code>\new@symbolfont</code> .....	5284
<code>\NAT@nmfmt</code>	2199, 2214, 2222, 2229, 2245, 2252	<code>\newboolean</code> ..	4361, 4363, 4365, 4367, 4369, 4371, 4373
<code>\NAT@num</code> ..	2160, 2269, 2278, 2292, 2293, 2314, 2325	<code>\newcolumnntype</code> .....	5593, 5594
<code>\NAT@open</code> .....	2160, 2171	<code>\newcommand</code> .....	90, 1618, 1619, 1665, 1667, 1668, 1670, 1675, 1679, 2174, 2264, 2350, 2355, 2791, 2882, 3078, 3080, 3086, 3092, 3219, 3220, 3306, 3307, 3308, 3309, 3310, 3311, 3572, 3612, 3613, 3617, 3649, 3889, 3894, 3939, 3942, 4045, 4048, 4294, 4358, 4413, 4457, 4458, 4461, 4462, 4463, 4468, 4469, 4472, 4473, 4476, 4477, 4478, 4479, 4482, 4483, 4487, 4488, 4491, 4492, 4493, 4494, 4497, 4500, 4505, 4510, 4513, 4515, 4518, 4523, 4524, 4535, 4536, 4539, 4540, 4548, 4549, 4552, 4553, 4558, 4559, 4567, 4568, 4570, 4571, 4572, 4573, 4576, 4577, 4579, 4580, 4590, 4591, 4592, 4593, 4594, 4595, 4600, 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4646, 4651, 4683, 4715, 4729, 4740, 4745, 4753, 4777, 4808, 4840, 4874, 4893, 4997, 5015, 5022, 5064, 5072, 5115, 5121, 5141, 5158, 5187, 5212, 5296, 5297, 5299, 5589, 5591, 5597, 5600, 5602, 5605, 5609, 5611, 5613,
<code>\NAT@parse</code> .....	2190, 2279		
<code>\NAT@partrue</code> .....	2348		
<code>\NAT@penalty</code> ..	2162, 2170, 2306, 2321		
<code>\NAT@reset@citem</code> ...	2179, 2268		
<code>\NAT@reset@parser</code> ..	2177, 2266		
<code>\NAT@set@cites</code> .....	2143, 2346		
<code>\NAT@sort@cites</code> .....	2178, 2267		
<code>\NAT@space</code>	2148, 2153, 2169, 2321		
<code>\NAT@spacechar</code> .....	2153, 2160, 2169, 2171, 2209, 2216, 2240, 2246, 2322, 2324		
<code>\NAT@super@kern</code>	2149, 2154, 2322		
<code>\NAT@swafalse</code> .....	2352		
<code>\NAT@swattrue</code> .....	2348		
<code>\NAT@temp</code>	2203, 2204, 2233, 2234		
<code>\NAT@test</code>	2289, 2322, 2328, 2330		
<code>\NAT@year</code>	2180, 2189, 2202, 2232		



5661, 5662, 5667, 5671, 5676,  
 5695, 5697, 5873  
`\newcount` 3568, 4375, 4376, 4379,  
 4681, 4682, 5720, 5721, 5722,  
 5723, 5724, 5725, 5726, 5727,  
 5728, 5729, 5730, 5731, 5732,  
 5733, 5735, 5736, 5737, 5738,  
 5739, 5740, 5741, 5742  
`\newcounter` ..... 5614, 5615  
`\newdimen` 3569, 3570, 4679, 4680  
`\NewDocumentCommand` .....  
 .. 3261, 3285, 5308, 5316,  
 5324, 5332, 5340, 5553, 5566  
`\newenvironment` .....  
 .. 1668, 2360, 2361, 3522,  
 3532, 3540, 3541, 4648, 4754,  
 4916, 4946, 4970, 5124, 5173,  
 5199, 5643, 5677  
`\newfam` ..... 5223  
`\newfontface` ..... 2766  
`\newfontlanguage` ..... 3126  
`\newfontscript` ..... 3125  
`\newif` ... 1576, 2885, 2886, 3119,  
 3610, 5719  
`\newlength` 4353, 4354, 4355, 4356,  
 4357, 4359, 5607, 5698, 5700  
`\newmathalphabet` ..... 5279  
`\newmathalphabet@@` ..... 5279  
`\newmathalphabet@@@` ..... 5279  
`\newpage` ..... 2945, 4764  
`\newsavebox` ..... 4647  
`\newsection` ..... 5121  
`\newtoks` ..... 4253  
`\next` 1594, 1596, 1597, 2373, 2374,  
 2375, 2379, 2381, 2384, 2388,  
 2389, 2391, 2397, 2402, 2406,  
 2408, 2417, 2419, 2425, 2428,  
 2432, 2439, 2441  
`\nobreak` ..... 1580, 2146  
`\noexpand` 2372, 2392, 2398, 2400,  
 2410, 2418, 2420, 2432, 2433,  
 2442, 3667, 3673, 3684, 3690,  
 3701, 3707, 3712, 3718, 3724,  
 3730, 3736, 3742, 3748, 3766,  
 3782, 3797, 3813, 3829, 3838,  
 3847, 3856, 5235  
`\nohyphens` 4529, 4544, 4563, 4584  
`\noindent` 4474, 4489, 4527, 4537,  
 4542, 4550, 4555, 4561, 4569,  
 4574, 4578, 4582, 4731, 4748,  
 4829, 4855, 4880, 4927, 5004,  
 5018, 5052, 5067, 5105, 5162,  
 5190, 5215, 5217  
`\non@alpherr` ..... 5244, 5270  
`\nopagebreak` ..... 5709  
`\normalcolor` .. 1875, 2116, 2126  
`\normalfont` 3178, 3250, 3356, 3380,  
 3404, 3428, 3452, 3476, 3496,  
 3497, 3510, 3511  
`\normalsize` 3548, 3666, 3667, 3751,  
 4425, 4426, 4472, 5067, 5105  
`\not` ..... 5621  
`\not@math@alphabet` . 3313, 3316,  
 3319, 3322, 3325, 3328  
`\null` ..... 4616, 4632  
`\number` .. 3952, 3954, 3955, 4053,  
 4055, 4056, 4156, 4158, 4160,  
 4162, 5236, 5260, 5874, 5875  
`\numexpr` . 5311, 5319, 5327, 5335,  
 5343  

## O

`\obeyspaces` ..... 5475, 5480  
`\old@endquestion` ... 5704, 5712  
`\old@question` ..... 5703, 5710  
`\or` . 2017, 2018, 2019, 2021, 2022,  
 2046, 2047, 2048, 2052, 2053,  
 2054, 2055, 2056, 2060, 2061,  
 2222, 2223, 2224, 2252, 2253,  
 2254, 2327, 2329, 2331, 3925,  
 3926, 3927, 3928, 3929, 3930,  
 3934, 3935, 3936, 3973, 3974,  
 3975, 3976, 3977, 3978, 3979,  
 3980, 3981, 3982, 3986, 4025,  
 4026, 4027, 4028, 4031, 4034,  
 4037, 4038, 4041, 4042, 4043,  
 4074, 4075, 4076, 4077, 4078,  
 4079, 4080, 4081, 4082, 4083,  
 4087, 4130, 4131, 4132, 4135,  
 4136, 4137, 4138, 4139, 4142,  
 4143, 4144, 4145, 4174, 4175,  
 4178, 4179, 4182, 4183, 4186,  
 4274, 5880, 5881, 5882, 5883,  
 5884, 5885, 5886  
`\orig` 5302, 5303, 5304, 5305, 5306,  
 5309, 5317, 5325, 5333, 5341,  
 5551, 5559, 5560, 5561, 5562,  
 5563, 5571  
`\originaltoday` ..... 3542, 3543  
`\Ovalbox` ..... 5044, 5097



<code>\ovalbox</code> .....	5039, 5092	<code>\pdfstringdefDisableCommands</code>	.....	1542
<code>\overline</code> .....	5494	<code>\penalty</code> ...	195, 201, 2162, 3557	
<b>P</b>				
<code>\p@</code> .	2149, 3618, 3619, 3620, 3621, 3623, 3626, 3627, 3629, 3633, 3634, 3635, 3637, 3640, 3641, 3652, 3655, 3817, 4617	<code>\persian</code> .....	3530, 3532	
<code>\PackageError</code> .....	.. 1637, 1640, 1643, 1646, 1649, 1652, 1655, 1658, 1661, 2942, 2952, 3896, 3947, 4202	<code>\PersianAlphs</code> .	2968, 2973, 3530, 3541, 4349	
<code>\PackageInfo</code> ..	67, 79, 3603, 3604, 4327, 4328, 5296	<code>\persianday</code> .....	86, 5879	
<code>\PackageWarning</code> ..	2187, 2276, 4148	<code>\persiandecimalseparator</code>	5433, 5509	
<code>\PackageWarningNoLine</code> ...	2204, 2234	<code>\PersianDisplayMathDigits</code>	2921, 5521, 5527	
<code>\page@free</code> .....	4661, 4663	<code>\persianfont</code> ..	3168, 3510, 3512	
<code>\pageautorefname</code> .....	1529	<code>\PersianInlineMathDigits</code>	2914, 5517, 5526	
<code>\pagegoal</code> .....	5143	<code>\PersianMathDigits</code> .	2907, 5525	
<code>\pagename</code> .....	1359, 3920	<code>\persianmathdigits</code> .	5421, 5518, 5522, 5530, 5534	
<code>\pagenumbering</code> ..	15, 127, 138, 156, 1309, 1751, 2659	<code>\persianmathsfdigits</code>	5451, 5519, 5523, 5531, 5535	
<code>\pageref</code> .	2857, 2859, 2865, 2867, 4502, 5000	<code>\persianmathttdigits</code>	5466, 5520, 5524, 5532, 5536	
<code>\pagesFormat</code> .....	4576, 4578	<code>\persianmonth</code> .....	86, 5878	
<code>\pagestyle</code> .....	4719	<code>\persiansfdefault</code> ..	3306, 3314, 3345, 3353	
<code>\pagetotal</code> .....	5144	<code>\persiansffamily</code> ...	3312, 3313, 3330, 3346	
<code>\par</code> .....	10, 17, 24, 40, 46, 52, 58, 128, 139, 146, 158, 816, 1301, 1311, 1323, 1563, 1755, 2577, 2584, 2591, 2599, 2626, 2681, 2733, 4619, 4621, 4627, 4629, 4630, 5119, 5204, 5649, 5709	<code>\persiantoday</code> .....	3544, 5873	
<code>\paragraphautorefname</code> ...	1525	<code>\persianttdefault</code> ..	3307, 3317, 3369, 3377	
<code>\parallel</code> .....	4484	<code>\persianttfamily</code> ...	3315, 3316, 3331, 3370	
<code>\parbox</code> .....	5648, 5708	<code>\persianyear</code> .....	86, 5877	
<code>\parindent</code> .....	3526, 3536	<code>\pictureCaptionFormat</code> ...	4572, 4574	
<code>\parsep</code> ..	3753, 3764, 3765, 3769, 3780, 3781, 3784, 3795, 3796, 3799, 3811, 3812, 3826	<code>\plftitle</code> .....	1764	
<code>\partautorefname</code> .....	1519	<code>\plq</code> .....	3099	
<code>\partname</code> .....	3913	<code>\plttitle</code> .....	1765	
<code>\partopsep</code> ....	3817, 3827, 3876	<code>\pookdefault</code> .	3310, 3326, 3417, 3425	
<code>\PassOptionsToClass</code>	4381, 4382, 4383	<code>\pookfamily</code> ..	3324, 3325, 3334, 3418	
<code>\PassOptionsToPackage</code> ...	2888, 2896, 2899	<code>\postmath</code> .....	201	
<code>\pbs</code> .....	5592, 5593	<code>\PrefixCurrentTab</code> .....	2791	
		<code>\premath</code> .....	197	
		<code>\prepnext@tok</code> .....	2014, 2024	
		<code>\prg</code> .....	5363, 5366, 5368	
		<code>\printindex</code> .....	2945	
		<code>\process@table</code> .....	5282	
		<code>\ProcessKeyOptions</code> .....	3037	
		<code>\ProcessOptions</code> ....	4395, 5715	



<code>\proofname</code> .....	3922	<code>\refname</code> .....	121, 3911
<code>\protect</code> .	4801, 4802, 4804, 4833, 4834, 4836, 4867, 4868, 4870, 4887, 4888, 4890, 4908, 4909, 4911, 5007, 5008, 5010, 5598, 5601, 5603, 5606, 5624, 5629, 5630, 5631, 5633, 5634, 5635, 5655, 5656	<code>\refstepcounter</code> ....	5665, 5666
<code>\providecommand</code> .....	4147	<code>\reftextafter</code> .....	2830
<code>\ProvidePersianTranslation</code>	90, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108	<code>\reftextbefore</code> .....	2838
<code>\ProvidesClass</code> .....	4351	<code>\reftextcurrent</code> .....	2846
<code>\ProvidesFile</code> .	1, 4, 8, 14, 23, 38, 44, 50, 56, 62, 82, 89, 111, 120, 122, 133, 144, 152, 164, 204, 1157, 1217, 1234, 1245, 1288, 1299, 1305, 1317, 1321, 1328, 1487, 1495, 1509, 1513, 1560, 1567, 1622, 1625, 1664, 1749, 1762, 1772, 2142, 2505, 2575, 2582, 2589, 2597, 2605, 2656, 2712, 2764, 2782, 2802, 2813	<code>\reftextfaceafter</code> .....	2814
<code>\ProvidesPackage</code> ...	2883, 5220, 5580, 5717	<code>\reftextfacebefore</code> .....	2822
<code>\providetranslation</code> .....	91	<code>\reftextfaraway</code> .....	2854
<code>\prq</code> .....	3098	<code>\reftextlabelrange</code> .....	2870
<code>\ptctitle</code> .....	1763	<code>\reftextpagerange</code> .....	2862
<b>Q</b>		<code>\reftextvario</code> .....	2817, 2819, 2825, 2827, 2833, 2835, 2841, 2843, 2849, 2851
<code>\quad</code> .....	3883	<code>\relax</code>	86, 1665, 1862, 1894, 2029, 2030, 2051, 2052, 2053, 2114, 2124, 2148, 2154, 2198, 2228, 2256, 2263, 2269, 2296, 2303, 2314, 2469, 2636, 2692, 2744, 2785, 2927, 2934, 3023, 3102, 3120, 3487, 3488, 3492, 3493, 3605, 3650, 3654, 3837, 3846, 3855, 4256, 4266, 4271, 4286, 4290, 4296, 4297, 4298, 4322, 4324, 4395, 4614, 4635, 4636, 4641, 4642, 4643, 4644, 5225, 5239, 5249, 5265, 5298, 5300, 5311, 5319, 5327, 5335, 5343, 5412, 5508, 5543, 5547, 5747, 5748, 5750, 5755, 5760, 5761, 5767, 5769, 5771, 5773, 5774, 5775, 5776, 5777, 5778, 5779, 5780, 5781, 5782, 5783, 5785, 5787, 5788, 5793, 5794, 5801, 5803, 5806, 5810, 5811, 5814, 5815, 5818, 5823, 5825, 5827, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5842, 5843, 5846, 5851, 5855, 5861, 5863, 5864
<code>\question</code> .....	5703	<code>\renewcommand</code> .....	9, 16, 24, 30, 31, 34, 39, 40, 45, 46, 51, 52, 57, 58, 85, 115, 117, 123, 124, 128, 134, 135, 139, 145, 146, 153, 157, 158, 1300, 1301, 1306, 1310, 1311, 1318, 1319, 1320, 1322, 1323, 1329, 1330, 1337, 1344, 1345, 1352, 1359, 1360, 1367, 1374, 1375, 1382, 1389, 1396,
<code>\questionsepspace</code> ..	5700, 5701, 5713		
<code>\questionspace</code> .	5607, 5608, 5649		
<code>\questiontitle</code> ....	5695, 5714		
<code>\questiontitlefont</code> ....	5697		
<code>\questiontitlespace</code>	5698, 5699, 5709		
<b>R</b>			
<code>\raggedFormat</code> .	4413, 5061, 5135, 5181, 5206		
<code>\RaggedLeft</code> .....	4413		
<code>\raisebox</code> .....	4459, 4464		
<code>\redeflatinfont</code> .....	3287		
<code>\redefpersianfont</code> .....	3263		
<code>\ref</code> .....	2872, 2874		



1403, 1410, 1417, 1424, 1431,  
1438, 1445, 1452, 1459, 1466,  
1473, 1480, 1489, 1491, 1493,  
1562, 1750, 1752, 1753, 1754,  
1755, 2143, 2160, 2171, 2576,  
2577, 2583, 2584, 2590, 2591,  
2598, 2599, 2606, 2607, 2635,  
2657, 2661, 2662, 2691, 2713,  
2714, 2743, 2783, 2803, 2804,  
2805, 2806, 2807, 2808, 2809,  
2810, 2811, 2812, 2945, 3566,  
3879, 3885, 4196, 4425, 4432,  
4434, 4436, 4443, 4450, 4451,  
4452, 4453, 4454, 4506, 4507,  
4508, 4519, 4520, 4521, 4612,  
4717, 4753, 4773, 5112, 5122,  
5127, 5596

\RenewDocumentCommand ... 3266,  
3290

\renewenvironment .. 1496, 5705

\repeat ..... 3600, 5848, 5857

\RequirePackage .....  
.. 3068, 3069, 3070, 3071,  
4352, 4397, 4398, 4399, 4400,  
4401, 4402, 4404, 4406, 4408,  
4409, 4410, 4411, 4412, 5582,  
5583, 5584, 5585, 5586, 5587

\reserved@a 1826, 1830, 1836, 1842,  
1845, 1848, 1851, 1854, 1857,  
1860

\reserved@b ..... 1806, 1807

\reset@font .. 2186, 2275, 3497,  
3511, 3546, 3560

\resetlatinfont ..... 113,  
115, 1318, 1319, 1489, 1491,  
2774, 3482, 3518, 3520, 3540,  
3547, 3566, 4198

\restore@mathversion ... 5282

\restoreapp ..... 36

\rightline ..... 5116

\rl ..... 1544, 3519, 3544

\RLE ..... 3519

\rmdefault .... 3167, 3175, 3247

\Roman ... 1225, 2643, 2699, 2751

\roman ... 1224, 2644, 2700, 2752

\romannumeral . 2652, 2708, 2760,  
5847, 5856, 5866

\RTL ..... 3530

\RTLfoottextfont ..... 1320

\rule 4476, 4602, 4704, 4710, 4797,  
4829

## S

\sayehdefault . 3311, 3329, 3441,  
3449

\sayehfamily . 3327, 3328, 3335,  
3442

\scan ..... 5365

\scriptsize ... 3711, 3712, 4434

\secondarticle 4808, 4833, 4834,  
4836

\secondSubtitleFormat ... 4548,  
4550

\secondTextFormat .. 4552, 4555

\secondTitleFormat . 4539, 4544,  
4545

\section ..... 3897

\sectionautorefname .... 1522

\sectionname ..... 11, 1564

\select@group ..... 5224

\selectfont 3172, 3197, 3220, 3244,  
3277, 3301, 3314, 3317, 3320,  
3323, 3326, 3329, 3350, 3374,  
3398, 3422, 3446, 3470, 3500,  
3514, 3606

\set@@mathdelimiter .... 5289

\set@fontsize .. 4285, 4289, 4321

\set@mathaccent ..... 5286

\set@mathchar ..... 5286

\set@mathdelimiter ..... 5288

\set@mathsymbol ..... 5287

\setboolean 2792, 2793, 4362, 4364,  
4366, 4368, 4370, 4372, 4374,  
4390, 4391, 4393, 4394, 4756,  
4774, 4919, 4944, 4973, 4995

\setbox 179, 1873, 1916, 2020, 2022,  
2023, 2113, 2116, 2123, 2126,  
2775, 2779, 3524, 3534

\setclass 1590, 1600, 1601, 1602,  
1603, 1604, 1605, 1606, 1607

\setcounter .. 27, 29, 33, 41, 42,  
47, 48, 53, 54, 59, 60, 129,  
130, 140, 141, 147, 148, 159,  
160, 1302, 1303, 1312, 1313,  
1324, 1325, 1756, 1757, 2578,  
2579, 2585, 2586, 2592, 2593,  
2600, 2601, 2627, 2628, 2682,  
2683, 2734, 2735, 2786, 2790,  
2794, 2795, 2796, 2797, 2798,  
2799, 2800, 4634, 5618



<code>\setdigitfont</code> .....	3224	<code>\setsansfont</code> .....	3255
<code>\SetDisplayMathDigits</code> ...	5512, 5521, 5533, 5543, 5546	<code>\setsayehfont</code> .....	3433
<code>\SetEnumerateShortLabel</code> .	1240, 1241, 1242, 1243, 1244	<code>\SetSymbolFont</code> .....	5284
<code>\setfontsize</code> ..	3649, 4273, 4275	<code>\SetSymbolFont@</code> .....	5284
<code>\SetInlineMathDigits</code>	5511, 5517, 5529, 5542, 5547	<code>\setttextdigitfont</code> .....	3183
<code>\setiranicfont</code> .....	3457	<code>\setttextfont</code> .....	3159, 4203
<code>\setkeys</code> .....	170, 187	<code>\setthesection</code> .....	1752
<code>\setlatinmonofont</code> .....	3256	<code>\sf@size</code> .....	4308, 4310
<code>\setlatinsansfont</code> .....	3255	<code>\sffamily</code> .....	4457
<code>\setlatintextfont</code> ..	3232, 4339	<code>\shadowbox</code> .....	5029, 5082
<code>\setlength</code>	1892, 1895, 1914, 3621, 3623, 3627, 3629, 3635, 3637, 3641, 3643, 3651, 3655, 3657, 3665, 3675, 3676, 3682, 3692, 3693, 3699, 3709, 3710, 3715, 3716, 3721, 3722, 3727, 3728, 3733, 3734, 3739, 3740, 3745, 3746, 3752, 3817, 3859, 3860, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 4360, 4392, 4427, 4428, 4429, 4430, 4438, 4439, 4440, 4441, 4445, 4446, 4447, 4448, 4653, 4657, 4698, 4699, 4716, 4721, 4722, 4846, 4878, 4950, 4975, 4978, 5026, 5027, 5075, 5076, 5142, 5143, 5159, 5608, 5699, 5701	<code>\shadowsize</code> ...	5027, 5076, 5080
<code>\setLTRcitationfont</code> .....	113	<code>\shortarticleitem</code> .....	5212
<code>\SetMathAlphabet</code> .....	5285	<code>\shortarticleItemTitleFormat</code> .....	4610, 4611
<code>\SetMathAlphabet@</code> .....	5285	<code>\shortarticleSubtitleFormat</code> . .....	4608, 4609
<code>\SetMathCharDef</code> ....	5299, 5433	<code>\shortarticleTitleFormat</code>	4606, 4607
<code>\SetMathCode</code> .....	.. 5297, 5422, 5423, 5424, 5425, 5426, 5427, 5428, 5429, 5430, 5431, 5432, 5555, 5557, 5568, 5570	<code>\sixt@n</code> .....	1825, 1862
<code>\setmathdigitfont</code> .....	5406	<code>\skip</code> .....	3861
<code>\setmathsfdigitfont</code> ....	5441	<code>\slftitle</code> .....	1770
<code>\setmathttdigitfont</code> ....	5456	<code>\slttitle</code> .....	1771
<code>\setmonofont</code> .....	3256	<code>\small</code>	3683, 3684, 3898, 4436, 4437, 4491, 4495, 4501, 4572, 4594, 4613
<code>\setnavarfont</code> .....	3385	<code>\smash</code> .....	3901
<code>\setpersianfont</code> .....	117, 1320, 1493, 2778, 3504, 3519, 3530, 3541, 3566	<code>\SOUL@tt</code> .	2765, 2767, 2775, 2779
<code>\setpersianmonofont</code> ....	3361	<code>\SOUL@tt@latin</code> .....	2765, 2771
<code>\setpersiansansfont</code> ....	3337	<code>\SOUL@tt@nonlatin</code> ..	2766, 2769
<code>\setpookfont</code> .....	3409	<code>\SOUL@ttwidth</code> .....	2776, 2780
		<code>\space</code>	2188, 2277, 2883, 3049, 3563, 3886, 3890, 4154, 4660, 4661, 4801, 4802, 4804, 4833, 4834, 4836, 4867, 4868, 4870, 4887, 4888, 4890, 4908, 4909, 4911, 5007, 5008, 5010, 5117, 5639, 5874, 5875
		<code>\ssf@size</code> .....	4314, 4316
		<code>\stctitle</code> .....	1769
		<code>\stepcounter</code>	26, 2788, 5614, 5627, 5658
		<code>\str</code>	3175, 3247, 3353, 3377, 3401, 3425, 3449, 3473
		<code>\string</code>	67, 1951, 1985, 2074, 2443, 2611, 2612, 2615, 2617, 2619, 2621, 2622, 2623, 2666, 2667, 2670, 2672, 2674, 2676, 2677, 2678, 2718, 2719, 2722, 2724, 2726, 2728, 2729, 2730, 3559, 4302, 4304, 4308, 4310, 4314,





4316  
`\strip@pt` 3486, 3491, 3605, 3653,  
 4295  
`\subparagraphautorefname` 1526  
`\subsectionautorefname` .. 1523  
`\subsubsectionautorefname` 1524  
`\SwitchToDefaultMathDigits` ..  
 ..... 5553  
`\SwitchToPersianMathDigits` ..  
 ..... 5566  
`\symnew@mathbf@font@digits` ..  
 ..... 5311  
`\symnew@mathit@font@digits` ..  
 ..... 5319  
`\symnew@mathrm@font@digits` ..  
 ..... 5327  
`\symnew@mathsf@font@digits` ..  
 ..... 5335  
`\symnew@mathtt@font@digits` ..  
 ..... 5343

## T

`\tableautorefname` ..... 1518  
`\tablename` .... 1374, 1391, 3905  
`\tabularxcolumn` ..... 5596  
`\tartibi` . 1221, 1235, 1240, 2640,  
 2696, 2748, 4045  
`\tartibinumeral` ..... 4051  
`\test` ..... 1593, 1594, 1595  
`\tex` ..... 5362, 5365  
`\textbf` 2, 3, 1498, 1500, 1502, 1504,  
 5018, 5052, 5067, 5105  
`\textblockorigin` ..... 4678  
`\textdegree` ..... 4492  
`\TextDigitFontOff` ..... 3613  
`\TextDigitFontOn` ... 3612, 3615  
`\textfloatsep` ..... 3865, 3869  
`\textheight` ..... 4685, 4710  
`\textiranic` ..... 3332  
`\textit` ..... 4603  
`\textnavar` ..... 3333  
`\textpersiansf` ..... 3330  
`\textpersiantt` ..... 3331  
`\textpook` ..... 3334  
`\textsayeh` ..... 3335  
`\textsc` ..... 4605  
`\textsf` ..... 3883  
`\textsuperscript` ..... 2146  
`\texttt` ..... 4462

`\textwidth` 1919, 4684, 4704, 5016,  
 5645  
`\tf@size` ..... 4302, 4304  
`\thanks` ..... 4615, 4635  
`\the` ..... 86, 166,  
 171, 1582, 1584, 1896, 2394,  
 2399, 2405, 2412, 2422, 2436,  
 3063, 3576, 3577, 3578, 3581,  
 3582, 3583, 3587, 3588, 3589,  
 3592, 3593, 3594, 3656, 3668,  
 3669, 3670, 3671, 3672, 3685,  
 3686, 3687, 3688, 3689, 3702,  
 3703, 3704, 3705, 3706, 3713,  
 3719, 3725, 3731, 3737, 3743,  
 3749, 3763, 3764, 3779, 3780,  
 3794, 3795, 3810, 3811, 3825,  
 3827, 4266, 4660, 4661, 5146,  
 5542, 5546, 5847, 5856, 5866  
`\the@choice` ..... 5617, 5639  
`\thebook` ..... 1753  
`\thechapter` 20, 31, 132, 143, 150,  
 162, 1315, 1327, 1752, 1759,  
 2581, 2588, 2595, 2603, 2685,  
 2737  
`\theclass` ..... 1590, 1595  
`\theHchapter` ..... 1536, 1554  
`\theHsection` ..... 1535, 1552  
`\thempfn` ..... 1921  
`\thempfootnote` ..... 1921, 4195  
`\theoremautorefname` .... 1528  
`\thepage` . 2188, 2205, 2235, 2277,  
 3563, 4502  
`\thepart` ..... 9, 16,  
 39, 45, 51, 57, 123, 134, 145,  
 157, 1300, 1310, 1322, 1562,  
 1754, 2576, 2583, 2590, 2598,  
 2606, 2661, 2713  
`\thequestion` .. 5638, 5678, 5714  
`\thesection` 12, 34, 43, 49, 55, 61,  
 1304, 1565, 2629  
`\thirdarticle` . 4840, 4867, 4868,  
 4870  
`\thirdSubtitleFormat` 4567, 4569  
`\thirdTextFormat` ... 4570, 4571  
`\thirdTitleFormat` .. 4558, 4563,  
 4564  
`\thispagestyle` ..... 4757, 4762  
`\thr@@` 1948, 1967, 1968, 1982, 2003,  
 2004, 2030, 2042, 2043, 2071,  
 2098, 2099





<code>\timestamp</code>	4595, 4792, 4822, 4858
<code>\timestampFormat</code>	... 4594, 4596
<code>\timestampSeparator</code>	4593, 4598
<code>\timestampTxt</code>	... 4592, 4597
<code>\tiny</code>	... 3717, 3718, 4432
<code>\title</code>	... 4641
<code>\TitleBarFrame</code>	1498, 1500, 1502, 1504
<code>\tl</code>	... 3131, 3132, 3133, 3140, 3146, 3147, 3148, 3155, 3167, 3176, 3248, 3255, 3256, 3345, 3354, 3369, 3378, 3393, 3402, 3417, 3426, 3441, 3450, 3465, 3474, 5276, 5293, 5351, 5434, 5435, 5436, 5451, 5466, 5558, 5559, 5560, 5561, 5562, 5563, 5571, 5572, 5573, 5574, 5575, 5576
<code>\tmp</code>	... 5592
<code>\today</code>	... 3542, 3544, 5113
<code>\topsep</code>	... 3755, 3763, 3771, 3779, 3786, 3794, 3801, 3810, 3815, 3825, 3828
<code>\TPHorizModule</code>	... 4473, 4698, 4797, 4829, 4880, 4927, 4928, 4951, 4952, 4975
<code>\TPVertModule</code>	... 4699
<code>\true</code>	... 5667
<code>\truesymbol</code>	... 5661
<code>\ttdefault</code>	... 3219, 3220
<code>\tw@</code>	1581, 1843, 1846, 1928, 1934, 1935, 1937, 1947, 1957, 1958, 1981, 1991, 1992, 2029, 2035, 2036, 2041, 2070, 2080, 2081, 2289, 3576, 3577, 3578, 3581, 3582, 3583
<code>\twocolumnstableofcontents</code>	... 3894
<code>\typeout</code>	... 3065, 3066, 4646
<b>U</b>	
<code>\uccode</code>	... 5477
<code>\Umathchardef</code>	... 5300
<code>\Umathcode</code>	... 5298
<code>\Umathcodenum</code>	... 2509
<code>\undefined</code>	1783, 5509, 5518, 5519, 5520, 5522, 5523, 5524, 5530, 5531, 5532, 5534, 5535, 5536
<code>\unhbox</code>	... 1905
<code>\unpenalty</code>	... 201
<code>\unskip</code>	... 198, 2059, 2060, 2061, 2146, 2209, 2240
<code>\unvbox</code>	... 1905
<code>\uppercase</code>	... 5478
<code>\Url@actpercent</code>	... 2508
<code>\Url@Edit</code>	... 2508
<code>\Url@String</code>	... 2508
<code>\use</code>	3168, 3181, 3191, 3222, 3240, 3253, 3271, 3275, 3295, 3299, 3346, 3359, 3370, 3383, 3394, 3407, 3418, 3431, 3442, 3455, 3466, 3479, 5439, 5454, 5469
<code>\use@mathgroup</code>	... 5235
<code>\usebox</code>	... 4650
<code>\usecounter</code>	... 5651
<code>\usefonttheme</code>	... 83
<code>\UseOneTimeHook</code>	2632, 2688, 2740
<b>V</b>	
<code>\value</code>	... 2785, 5621, 5637
<code>\vbox</code>	1876, 1893, 1898, 1899, 1916, 2023, 2113, 2117, 2123, 2127, 5189, 5215
<code>\vcenter</code>	... 1902, 1903
<code>\verbatim@</code>	... 1669
<code>\verbatim@addtoline</code>	... 2378, 2393, 2404, 2411, 2413, 2421, 2423, 2435, 2437
<code>\verbatim@finish</code>	... 2431
<code>\verbatim@processline</code>	... 2382, 2395, 2415
<code>\verbatim@startline</code>	2371, 2383, 2396, 2416
<code>\version@elt</code>	... 5281
<code>\version@list</code>	... 5281
<code>\vfil</code>	... 4616, 4632
<code>\voidb@x</code>	... 179
<code>\vrb@catcodes</code>	... 2365
<code>\vskip</code>	... 4617, 4620, 4622, 4628
<code>\vspace</code>	... 4652, 4671, 4733, 4743, 4786, 4790, 4813, 4816, 4820, 4827, 4845, 4849, 4853, 4862, 4921, 4925, 4981, 5002, 5050, 5054, 5073, 5103, 5107, 5152, 5154, 5164, 5167, 5192, 5194, 5214, 5216, 5649, 5707, 5709
<code>\vss</code>	... 1905
<code>\vtop</code>	... 1900, 1901, 2022



## W

\wd ..... 2776, 2780  
 \weatherFormat ..... 4487, 4489  
 \weatheritem . 4893, 4908, 4909,  
 4911  
 \weatherTempFormat . 4491, 4901  
 \weatherUnits ..... 4492, 4903  
 \whiledo ..... 5621  
 \width ..... 1506, 2474, 2475  
 \write ..... 2947, 3559  
 \writexviiiifalse ..... 3123  
 \writexviiiitruer ..... 3121

## X

\X ..... 5591  
 \x ..... 3105, 3110  
 \xdef 1537, 1556, 4302, 4304, 4308,  
 4310, 4314, 4316, 5235, 5617,  
 5622, 5646, 5647, 5668, 5669,  
 5672, 5673  
 \XePersian 1545, 3883, 3901, 4511  
 \xepersian ..... 2452, 2454  
 \xepersian@adadi .. 3961, 3986  
 \xepersian@adadi@tartibi 4062,  
 4087  
 \xepersian@@baselineskip@scale  
 .. 3000, 3484, 3490, 3502,  
 3506, 3508, 3516, 4290  
 \xepersian@@fontsize@branch .  
 ..... 2992, 4267  
 \xepersian@@fontsize@scale ..  
 .. 2988, 3483, 3485, 3501,  
 3505, 3507, 3515, 4286, 4297  
 \xepersian@@latin@baselineskip@scale  
 ... 3004, 3492, 3502  
 \xepersian@@latin@fontsize@scale  
 ... 2996, 3487, 3501  
 \xepersian@@math@fontsize@scale  
 ..... 2984, 4295  
 \xepersian@@sp@b ... 4259, 4261,  
 4263  
 \xepersian@@sp@c ... 4263, 4266  
 \xepersian@@sp@d ... 4256, 4257  
 \xepersian@@sp@def . 4255, 4270  
 \xepersian@@start@switch@textdigitfont  
 .. 3018, 3201, 3203, 3206,  
 3208, 3210, 3212, 3214, 3219  
 \xepersian@@stop@switch@textdigitfont  
 .. 3202, 3204, 3205, 3209,  
 3211, 3213, 3215, 3220

\xepersian@@update@math@fontsize  
 . 4294, 4304, 4310, 4316  
 \xepersian@A . 1574, 1600, 1614,  
 1616, 3212, 3213  
 \xepersian@adadi ... 3955, 3960  
 \xepersian@adadi@tartibi 4056,  
 4061  
 \xepersian@cmds@temp 3100, 3118  
 \xepersian@coltitsize .....  
 .. 4354, 5077, 5078, 5079,  
 5080, 5083, 5088, 5093, 5098  
 \xepersian@computeautoilg 3572,  
 4325  
 \xepersian@cx .. 4681, 4686, 4703  
 \xepersian@cy .. 4682, 4687, 4709  
 \XePersian@d . 5720, 5745, 5850,  
 5869, 5871, 5874, 5879  
 \xepersian@D .....  
 .. 1571, 1602, 1603, 1604,  
 1605, 1609, 1610, 1611, 1613,  
 1614, 3208, 3209  
 \xepersian@dahgan .. 4019, 4040,  
 4123  
 \xepersian@dahgan@tartibi 4121,  
 4129  
 \XePersian@dn .....  
 .. 5740, 5839, 5847, 5850,  
 5853, 5857, 5869, 5871  
 \xepersian@dx . 4679, 4684, 4695,  
 4698  
 \xepersian@dy . 4680, 4685, 4696,  
 4699  
 \xepersian@edition . 4461, 4465,  
 4501, 4621, 4753  
 \xepersian@editionLogo .. 4463,  
 4731, 4749  
 \xepersian@editorialTit . 5158,  
 5177  
 \xepersian@editorialTitle 4604,  
 5163  
 \xepersian@everyjob 3063, 3066  
 \xepersian@firstText 4536, 4792  
 \xepersian@firstTitle ... 4524,  
 4787  
 \xepersian@fmbbox ... 4647, 4649,  
 4650  
 \xepersian@footcenter ... 4513,  
 4520, 4772  
 \xepersian@footleft 4515, 4519,  
 4771



\expersian@footright 4510, 4521, 4770  
\expersian@frag 4270, 4272, 4273, 4275  
\expersian@gridcolumns .. 4376, 4378, 4417, 4421  
\expersian@gridrows 4375, 4377, 4417, 4421  
\expersian@headcenter ... 4497, 4507, 4769  
\expersian@headDateTime . 4483, 4737, 4751  
\expersian@headleft 4494, 4506, 4768  
\expersian@headright 4500, 4508, 4767  
\XePersian@i .....  
.. 5720, 5843, 5844, 5846, 5847, 5848, 5851, 5855, 5856, 5859, 5860, 5863, 5866, 5868  
\expersian@ilg 3569, 3573, 3577, 3578, 3582, 3583, 3601  
\expersian@imgsize . 4353, 4654, 4655, 4657, 4666, 4667  
\expersian@incolumntitle 5064, 5083, 5088, 5093, 5098  
\expersian@indexEntry ... 4473, 5000  
\expersian@indexEntryPage 4479, 5000  
\expersian@indexFrameTitle ..  
..... 4469, 4976  
\expersian@indexwidth ... 4357, 4476, 4975, 4979, 4980  
\expersian@inexpandedtitle ..  
.. 5015, 5030, 5035, 5040, 5045  
\expersian@innerSubtitle 4591, 5131  
\expersian@innerTitle ... 4580, 5130  
\XePersian@kabisehfalse . 5790, 5796  
\XePersian@kabisehtrue .. 5796  
\expersian@kashida .....  
.. 1577, 1609, 1610, 1611, 1612, 1613, 1614, 1615  
\expersian@kashidachar .. 1569, 1582, 1584  
\expersian@L .....  
.. 1572, 1606, 1610, 1611, 1612, 1615, 1616, 3210, 3211  
\XePersian@latini .. 5721, 5767  
\XePersian@latinii . 5722, 5769, 5771  
\XePersian@latiniii 5723, 5773  
\XePersian@latiniv . 5724, 5774  
\XePersian@latinix . 5729, 5779  
\XePersian@latinvi . 5725, 5775  
\XePersian@latinvi . 5726, 5776  
\XePersian@latinvii 5727, 5777  
\XePersian@latinviii 5728, 5778  
\XePersian@latinix .. 5730, 5780  
\XePersian@latinxi . 5731, 5781  
\XePersian@latinxii 5732, 5782  
\XePersian@leapfalse 5752, 5756, 5762  
\XePersian@leaptrue 5762, 5763  
\expersian@localize@verbatim@  
.. 1669, 2373, 2374, 2376, 2384, 2397, 2406, 2417, 2425, 2439  
\expersian@localize@verbatim@  
..... 2376, 2377  
\expersian@localize@verbatim@@  
..... 2379, 2380  
\expersian@localize@verbatim@ttestend  
..... 2419, 2429  
\expersian@localize@verbatim@rescan  
..... 2433, 2442  
\expersian@localize@verbatim@start  
. 2370, 2445, 2446, 2457  
\expersian@localize@verbatim@test  
... 2388, 2390, 2391  
\expersian@localize@verbatim@ttestend  
..... 2402, 2409  
\XePersian@m . 5720, 5745, 5841, 5860, 5863, 5875, 5878  
\expersian@milyoongan ... 3988, 3999  
\expersian@milyoongan@tartibi  
..... 4089, 4100  
\XePersian@mminusone 5742, 5841, 5842, 5844, 5848  
\expersian@ncol .... 4708, 4709  
\expersian@ncolumns 4358, 5059, 5060, 5127  
\expersian@nrow .... 4702, 4703  
\expersian@numberoutofrange .  
... 3946, 3957, 4058



`\xepersian@numberstring` . 3943, 3951  
`\xepersian@numberstring@tartibi` . . . . . 4049, 4052  
`\xepersian@PackageInfo` . . 5296, 5415  
`\xepersian@pageleft` 4356, 5143, 5144, 5146, 5148  
`\xepersian@pageneed` . . . . .  
. . 4355, 4657, 4658, 4660, 4663, 5142, 5148  
`\xepersian@pages` . . . 4577, 4812, 4844, 5129  
`\xepersian@persian@releasename` . . . . . 2881, 2882  
`\XePersian@persian@month` 5875, 5880  
`\XePersian@persiani` 5721, 5821, 5822, 5852, 5869  
`\XePersian@persianii` 5722, 5823  
`\XePersian@persianiii` . . . 5723, 5825, 5827  
`\XePersian@persianiv` 5724, 5829  
`\XePersian@persianix` 5729, 5834  
`\XePersian@persianv` 5725, 5830  
`\XePersian@persianvi` 5726, 5831  
`\XePersian@persianvii` . . . 5727, 5832  
`\XePersian@persianviii` . . 5728, 5833  
`\XePersian@persianx` 5730, 5835  
`\XePersian@persianxi` 5731, 5836  
`\XePersian@persianxii` . . . 5732, 5837  
`\XePersian@persianxiii` . . 5733, 5838  
`\xepersian@pictureCaption` 4573, 4669, 4883  
`\xepersian@R` . 1573, 1601, 1613, 1615, 3214, 3215  
`\xepersian@releasename` . . . . .  
. . 2880, 2882, 2883, 3049, 3886, 3890  
`\xepersian@resa` . . . . 4256, 4258  
`\xepersian@sadgan` . . . . .  
. . 3992, 3997, 4001, 4005, 4010, 4093, 4106  
`\xepersian@sadgan@tartibi` 4098, 4102, 4111  
`\xepersian@save@@family` 3219, 3220  
`\xepersian@say` 4646, 5126, 5146, 5149, 5151, 5175, 5201  
`\xepersian@secondSubtitle` 4549, 4818  
`\xepersian@secondText` . . . 4553, 4822  
`\xepersian@secondTitle` . . 4540, 4814  
`\xepersian@section` . 4493, 4498, 5122  
`\xepersian@setlength` . . . . .  
. . 3617, 3660, 3662, 3663, 3677, 3679, 3680, 3694, 3696, 3697, 3753, 3755, 3769, 3771, 3784, 3786, 3799, 3801, 3815, 3861, 3863, 3865, 3876  
`\xepersian@shellescape` . . 3120  
`\xepersian@shortarticleItemTitle` . . . . . 4611, 5215  
`\xepersian@shortarticleSubtitle` . . . . . 4609, 5195  
`\xepersian@shortarticleTit` . . . . . 5187, 5202  
`\xepersian@shortarticleTitle` . . . . . 4607, 5191  
`\XePersian@sn` . . . . .  
. . 5741, 5840, 5852, 5853, 5856, 5857, 5866, 5871  
`\xepersian@strutilg` . . . . .  
. . 3570, 3573, 3588, 3589, 3593, 3594, 3601, 3602, 3605, 4326, 4329  
`\xepersian@tartibi` . 4049, 4134  
`\xepersian@tcl` . . . . .  
. . 3568, 3573, 3575, 3576, 3577, 3578, 3581, 3582, 3583, 3587, 3588, 3589, 3592, 3593, 3594, 3599, 3600  
`\XePersian@temp` . . . . .  
. . 5735, 5746, 5747, 5748, 5750, 5754, 5755, 5756, 5759, 5760, 5761, 5762, 5784, 5785, 5786, 5789, 5790, 5792, 5795, 5796, 5800, 5801, 5804, 5807, 5812, 5817, 5819, 5820, 5822  
`\xepersian@tempa` . . . 4254, 4265  
`\XePersian@tempthree` . . . . .  
. . 5737, 5798, 5799, 5800, 5802, 5805, 5808, 5809, 5813,



5816, 5817, 5818, 5819  
 \XePersian@temptwo .....  
 .. 5736, 5786, 5787, 5788,  
 5789, 5792, 5793, 5794, 5795,  
 5802, 5803, 5804, 5805, 5806,  
 5807, 5809, 5810, 5811, 5812,  
 5813, 5814, 5815, 5816  
 \xepersian@textdigitfont 3018,  
 3193, 3219  
 \xepersian@thirdSubtitle 4568,  
 4851  
 \xepersian@thirdText 4571, 4858  
 \xepersian@thirdTitle ... 4559,  
 4847  
 \XePersian@thirtytwo 5739, 5783,  
 5790  
 \xepersian@tmp ..... 4269, 4270  
 \xepersian@toks ..... 4253, 4266  
 \xepersian@V ..... 1575, 1607  
 \xepersian@value ... 4272, 4275  
 \xepersian@version .....  
 .. 2878, 2883, 3049, 3079,  
 3081, 3087, 3093, 3886, 3890  
 \xepersian@weather . 4488, 4923  
 \xepersian@www ..... 4458, 4731  
 \xepersian@wwwFormat 4457, 4459  
 \XePersian@y .....  
 .. 5720, 5745, 5746, 5749,  
 5759, 5762, 5784, 5798, 5861,  
 5864, 5875, 5877  
 \xepersian@yekani .. 3992, 4020,  
 4024, 4031, 4034, 4093  
 \xepersian@yekanii . 3943, 4005,  
 4030, 4106  
 \xepersian@yekaniii 4001, 4033,  
 4102  
 \xepersian@yekaniv . 4012, 4036,  
 4113  
 \xepersian@yekanv .. 4125, 4141  
 \XePersian@yModHundred .....  
 .. 5738, 5749, 5750, 5751,  
 5754, 5758  
 \xepersian@zwj . 1568, 1579, 1586  
 \xepersiandate 2879, 2883, 3049,  
 3886  
 \xepersianInit ..... 4414, 4715  
 \xepersianreleasename ... 2882  
 \xepersianversion ..... 3078  
 \XeTeXcharclass ..... 1595  
 \XeTeXcharglyph .....  
 .. 1582, 1584, 3576, 3577,  
 3578, 3581, 3582, 3583, 3587,  
 3588, 3589, 3592, 3593, 3594  
 \XeTeXglyphbounds .....  
 .. 1581, 1583, 3576, 3577,  
 3578, 3581, 3582, 3583, 3587,  
 3588, 3589, 3592, 3593, 3594  
 \XeTeXinterchartoks .....  
 .. 1609, 1610, 1611, 1612,  
 1613, 1614, 1615, 1616, 3201,  
 3202, 3203, 3204, 3205, 3206,  
 3208, 3209, 3210, 3211, 3212,  
 3213, 3214, 3215  
 \xpg@warning .. 4147, 4152, 4154  
  
**Y**  
 \y ..... 3106, 3108, 3110  
 \year ..... 5745  
  
**Z**  
 \z ..... 3107, 3108  
 \z@ ..... 10, 18, 181, 182, 193,  
 195, 1563, 1821, 1921, 1925,  
 1930, 1931, 1939, 1949, 1953,  
 1954, 1959, 1973, 1983, 1987,  
 1988, 1993, 2009, 2031, 2032,  
 2043, 2061, 2072, 2076, 2077,  
 2090, 2104, 2291, 2337, 2339,  
 2348, 2472, 2473, 2480, 2481,  
 2775, 2776, 2779, 2780, 3203,  
 3204, 3524, 3525, 3534, 3535,  
 3573, 3576, 3581, 3587, 3592,  
 3618, 3619, 3620, 3626, 3633,  
 3634, 3640, 3662, 3679, 3696,  
 3817, 3826, 3870, 3987, 3989,  
 3991, 3995, 4011, 4014, 4020,  
 4088, 4090, 4092, 4096, 4112,  
 4115, 4125, 4154, 4176, 4180,  
 4184, 4187, 4268, 5796  
  
 \ ..... 1148, 1761, 2357  
 \ ..... 1785, 1787, 1790, 1797  
 \ ..... 1790  
 \ . 1775, 1782, 1783, 1786, 1787,  
 1795, 1797  
 \ .... 1780, 1781, 1785, 1792  
 \ .. 1773, 1779, 1780, 1785, 1790,  
 1791  
 \ . 1149, 1150, 1151, 1152, 1153,  
 1154, 1155, 1156, 1783



\ 1785, 1786, 1791, 1792, 1794,  
 1795  
 \ ..... 1785, 1790  
 \ ..... 1785, 1786, 1791, 1795  
 \ ..... 1780, 1781  
 \ ..... 1785, 1787, 1792, 1797  
 @ \ ..... 1774, 1778  
  
 @ \ . . . 2482, 2483, 2484, 2485,  
 2486, 2487, 2488, 2489, 2490,  
 2491, 2492, 2493, 2494, 2495,  
 2496, 2497, 2498, 2499, 2500,  
 2501, 2502, 2503  
 @ \ ..... 1774  
 \ ..... 1780  
 \ ..... 1774, 1778  
 \ ..... 2136, 2444  
 \ ..... 2358  
 \ ..... 1781, 2133, 2134  
  
 \ ..... 1773  
 \ ..... 1776  
 \ ..... 1775, 1777

