



The XePersian *Package*

Source documentation for [version 22.4](#)

*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/persiantex/xepersian/issues>

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

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The XePersian *Package*

Persian for L^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 22.4](#)

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Contents

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

35	File imspdoc-xepersian.def	36	50	File report-xepersian.def	57
36	File kashida-xepersian.def	36	51	File scrartcl-xepersian.def	57
37	File listings-xepersian.def	37	52	File scrbook-xepersian.def	58
38	File loadingorder-xepersian.def	37	53	File scrreprt-xepersian.def	58
39	File localise-xepersian.def	38	54	File soul-xepersian.def	59
40	File memoir-xepersian.def	40	55	File tikz.code-xepersian.def	59
41	File latex-localise-messages-xepersian.def	40	56	File tkz-linknodes-xepersian.def	60
42	File minitoc-xepersian.def	40	57	File tocloft-xepersian.def	60
43	File latex-localise-misc-xepersian.def	40	58	File varioref-xepersian.def	60
44	File natbib-xepersian.def	48	59	File xepersian.sty	62
45	File packages-localise-xepersian.def	52	60	File xepersian-magazine.cls	92
46	File persian-tex-text.map	55	61	File xepersian-mathsdigitspec.sty	110
47	File rapport1-xepersian.def	56	62	File xepersian-multiplechoice.sty	116
48	File rapport3-xepersian.def	56	63	File xepersian-persiancal.sty	119
49	File refrep-xepersian.def	57			

1 File algorithmic-xepersian.def

```

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

```

2 File algorithm-xepersian.def

```

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

```

3 File amsart-xepersian.def

```

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

```



4 File amsbook-xepersian.def

```
14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18   \c@chapter\z@ \c@section\z@
19   \let\chaptername\appendixname
20   \def\thechapter{\@harfi\c@chapter}}
21
22
```

5 File appendix-xepersian.def

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

6 File article-xepersian.def

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

7 File artikel1-xepersian.def

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

8 File artikel2-xepersian.def



```

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

```

9 File artikel3-xepersian.def

```

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

```

10 File backref-xepersian.def

```

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

```

11 File bidentuftsidenote-xepersian.def

```

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

```



12 File bidimoderncv-xepersian.def

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

13 File boek3-xepersian.def

```
93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100   \setcounter{chapter}{0}%
101   \setcounter{section}{0}%
102   \gdef\@chapapp{\appendixname}%
103   \gdef\thechapter{\@harfi\c@chapter}}
```

14 File boek-xepersian.def

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

15 File bookest-xepersian.def

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

16 File book-xepersian.def

```
123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
```



```

127 \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130 \setcounter{chapter}{0}%
131 \setcounter{section}{0}%
132 \gdef\@chapapp{\appendixname}%
133 \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

17 File breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137 \everydisplay\expandafter{\the\everydisplay \display@setup}%
138 \if@noskipsec \leavevmode \fi
139 \if@inlabel \leavevmode \global\@inlabelfalse \fi
140 \if\eq@group\else\eq@prelim\fi
141 \setkeys{breqn}{#1}%
142 \the\eqstyle
143 \eq@setnumber
144 \begin@group
145 \eq@setup@a
146 \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151 \global\let\GRP@label\@empty
152 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153 \global\grp@linewidth\z@\global\grp@wdNum\z@
154 \global\let\grp@eqs@numbered\@False
155 \global\let\grp@aligned\@True
156 \global\let\grp@shiftnumber\@False
157 \eq@prelim
158 \setkeys{breqn}{#1}%
159 \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162 \let\display@setup\dseries@display@setup
163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169 \ifdim\lastskip<.3em \unskip
170 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces

```



174 }

18 File latex-localise-commands-xepersian.def

```
175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayshortskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{@alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}
210 \eqcommand{ }{arrayrulecolor}
211 \eqcommand{ }{arraycolsep}
212 \eqcommand{ }{arrayrulewidth}
213 \eqcommand{ }{arraystretch}
214 \eqcommand{ }{AtBeginDocument}
215 \eqcommand{ }{AtEndDocument}
216 \eqcommand{ }{AtEndOfClass}
217 \eqcommand{ }{AtEndOfPackage}
218 \eqcommand{ }{author}
219 \eqcommand{ }{backmatter}
220 \eqcommand{ }{backslash}
```




```

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

```



```

271 \eqcommand{      }\{cleaders\}
272 \eqcommand{      }\{cleardoublepage\}
273 \eqcommand{      }\{clearpage\}
274 \eqcommand{      }\{cline\}
275 \eqcommand{      }\{closein\}
276 \eqcommand{      }\{closeout\}
277 \eqcommand{      }\{closing\}
278 \eqcommand{      }\{clubpenalty\}
279 \eqcommand{      }\{clubsuit\}
280 \eqcommand{      }\{colbotmark\}
281 \eqcommand{      }\{colfirstmark\}
282 \eqcommand{      }\{color\}
283 \eqcommand{      }\{colorbox\}
284 \eqcommand{      }\{coltopmark\}
285 \eqcommand{      }\{columncolor\}
286 \eqcommand{      }\{columnsep\}
287 \eqcommand{      }\{columnwidth\}
288 \eqcommand{      }\{columnseprule\}
289 \eqcommand{      }\{contentsline\}
290 \eqcommand{      }\{contentsname\}
291 \eqcommand{      }\{copy\}
292 \eqcommand{      }\{copyright\}
293 \eqcommand{      }\{count\}
294 \eqcommand{      }@{\count@}
295 \eqcommand{      }\{countdef\}
296 \eqcommand{      }\{cr\}
297 \eqcommand{      }\{crrr\}
298 \eqcommand{      }\{csname\}
299 \eqcommand{      }\{CurrentOption\}
300 \eqcommand{      }\{dashbox\}
301 \eqcommand{      }\{dashv\}
302 \eqcommand{@      }\{@date\}
303 \eqcommand{      }\{date\}
304 \eqcommand{      }\{day\}
305 \eqcommand{      }\{dblbotfigrule\}
306 \eqcommand{      }\{dblbottomfraction\}
307 \eqcommand{      }\{dblfigrule\}
308 \eqcommand{      }\{dblfloatpagefraction\}
309 \eqcommand{      }\{dblfloatsep\}
310 \eqcommand{      }\{dblftntlocatecode\}
311 \eqcommand{      }\{dbltextfloatsep\}
312 \eqcommand{      }\{dbltopfraction\}
313 \eqcommand{      }\{DeclareFixedFont\}
314 \eqcommand{      }\{DeclareGraphicsExtensions\}
315 \eqcommand{      }\{DeclareGraphicsRule\}
316 \eqcommand{      }\{DeclareOldFontCommand\}
317 \eqcommand{      }\{DeclareOption\}
318 \eqcommand{      }\{DeclareRobustCommand\}
319 \eqcommand{      }\{DeclareSymbolFont\}
320 \eqcommand{      }\{deadcycles\}

```



```

321 \eqcommand{ }{def}
322 \eqcommand{ @ }{define@key}
323 \eqcommand{ }{definecolor}
324 \eqcommand{ }{deg}
325 \eqcommand{ }{delcode}
326 \eqcommand{ }{delimiter}
327 \eqcommand{ }{delimiterfactor}
328 \eqcommand{ }{depth}
329 \eqcommand{ }{diamondsuit}
330 \eqcommand{ }{dim}
331 \eqcommand{ }{dimen}
332 \eqcommand{ @ }{dimen@}
333 \eqcommand{ @ }{dimen@i}
334 \eqcommand{ @ }{dimen@ii}
335 \eqcommand{ }{dimendef}
336 \eqcommand{ }{discretionary}
337 \eqcommand{ }{displaybreak}
338 \eqcommand{ }{displayindent}
339 \eqcommand{ }{displaystyle}
340 \eqcommand{ }{displaywidth}
341 \eqcommand{ }{divide}
342 \eqcommand{ }{documentclass}
343 \eqcommand{ }{do}
344 \eqcommand{ }{dospecials}
345 \eqcommand{ }{dot}
346 \eqcommand{ }{doteq}
347 \eqcommand{ }{dotfill}
348 \eqcommand{ }{dots}
349 \eqcommand{ }{doublebox}
350 \eqcommand{ }{doublerulesepcolor}
351 \eqcommand{ }{doublerulesep}
352 \eqcommand{ }{downarrow}
353 \eqcommand{ }{dp}
354 \eqcommand{ }{dump}
355 \eqcommand{ }{edef}
356 \eqcommand{ }{egroup}
357 \eqcommand{ }{eject}
358 \eqcommand{ }{else}
359 \eqcommand{ }{em}
360 \eqcommand{ }{emergencystretch}
361 \eqcommand{ }{emph}
362 \eqcommand{ @ }{@empty}
363 \eqcommand{ }{empty}
364 \eqcommand{ }{emptyset}
365 \eqcommand{ }{end}
366 \eqcommand{ }{endL}
367 \eqcommand{ }{endR}
368 \eqcommand{ }{endcsname}
369 \eqcommand{ }{endfirsthead}
370 \eqcommand{ }{endfoot}

```



```

371 \eqcommand{ }{\endgraf}
372 \eqcommand{ }{\endgroup}
373 \eqcommand{ }{\endhead}
374 \eqcommand{ }{\endinput}
375 \eqcommand{ }{\endlastfoot}
376 \eqcommand{ }{\enlargethispage}
377 \eqcommand{ }{\endline}
378 \eqcommand{ }{\endlinechar}
379 \eqcommand{ }{\enspace}
380 \eqcommand{ }{\enskip}
381 \eqcommand{ }{\eqcommand}
382 \eqcommand{ }{\eqenvironment}
383 \eqcommand{ }{\eqref}
384 \eqcommand{ }{\errhelp}
385 \eqcommand{ }{\errmessage}
386 \eqcommand{ }{\errorcontextlines}
387 \eqcommand{ }{\errorstopmode}
388 \eqcommand{ }{\escapechar}
389 \eqcommand{ }{\euro}
390 \eqcommand{ }{\evensidemargin}
391 \eqcommand{ }{\everycr}
392 \eqcommand{ }{\everydisplay}
393 \eqcommand{ }{\everyhbox}
394 \eqcommand{ }{\everyjob}
395 \eqcommand{ }{\everymath}
396 \eqcommand{ }{\everypar}
397 \eqcommand{ }{\everyvbox}
398 \eqcommand{ }{\ExecuteOptions}
399 \eqcommand{ }{\exhyphenpenalty}
400 \eqcommand{ }{\expandafter}
401 \eqcommand{ }{\extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{ }{fam}
406 \eqcommand{ }{fancy page}
407 \eqcommand{ }{fbox}
408 \eqcommand{ }{fboxrule}
409 \eqcommand{ }{fboxsep}
410 \eqcommand{ }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{ }{figurename}
413 \eqcommand{ }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{ }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{ }{floatpagefraction}
418 \eqcommand{ }{floatingpenalty}
419 \eqcommand{ }{floatsep}
420 \eqcommand{ }{flushbottom}

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisdisplaypenalty}
810 \eqcommand{ }{predisplaysize}
811 \eqcommand{ }{pretolerance}
812 \eqcommand{ }{prevdepth}
813 \eqcommand{ }{prevgraf}
814 \eqcommand{ }{printindex}
815 \eqcommand{ }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{ }{providecommand}
818 \eqcommand{ }{ProvidesClass}
819 \eqcommand{ }{ProvidesFile}
820 \eqcommand{ }{ProvidesPackage}

```



```

821 \eqcommand{    }\{pushtabs}
822 \eqcommand{    }\{quad}
823 \eqcommand{    }\{qqquad}
824 \eqcommand{@    }\{@outputpagerestore}
825 \eqcommand{    }\{radical}
826 \eqcommand{    }\{raggedbottom}
827 \eqcommand{    }\{raggedleft}
828 \eqcommand{    }\{raggedright}
829 \eqcommand{    }\{raise}
830 \eqcommand{    }\{raisebox}
831 \eqcommand{    }\{raisetag}
832 \eqcommand{    }\{rangle}
833 \eqcommand{    }\{rceil}
834 \eqcommand{    }\{read}
835 \eqcommand{    }\{ref}
836 \eqcommand{    }\{reflectbox}
837 \eqcommand{    }\{refname}
838 \eqcommand{    }\{refstepcounter}
839 \eqcommand{    }\{relax}
840 \eqcommand{    }\{removelastskip}
841 \eqcommand{    }\{renewcommand}
842 \eqcommand{    }\{renewenvironment}
843 \eqcommand{    }\{RequirePackage}
844 \eqcommand{    }\{RequirePackageWithOptions}
845 \eqcommand{    }\{resizebox}
846 \eqcommand{    }\{reversemarginpar}
847 \eqcommand{    }\{rfloor}
848 \eqcommand{    }\{right}
849 \eqcommand{    }\{rightmargin}
850 \eqcommand{    }\{rightmark}
851 \eqcommand{    }\{rightpageskip}
852 \eqcommand{    }\{rightskip}
853 \eqcommand{    }\{rmdefault}
854 \eqcommand{    }\{rmfamily}
855 \eqcommand{    }\{Roman}
856 \eqcommand{    }\{roman}
857 \eqcommand{    }\{romannumeral}
858 \eqcommand{    }\{rotatebox}
859 \eqcommand{    }\{rowcolor}
860 \eqcommand{    }\{rule}
861 \eqcommand{@    }\{@secondoftwo}
862 \eqcommand{@    }\{@spaces}
863 \eqcommand{    }\{samepage}
864 \eqcommand{    }\{savebox}
865 \eqcommand{    }\{sbox}
866 \eqcommand{    }\{scalebox}
867 \eqcommand{    }\{scdefault}
868 \eqcommand{    }\{scshape}
869 \eqcommand{    }\{setkeys}
870 \eqcommand{    }\{scriptfont}

```



```

871 \eqcommand{      }{scriptscriptfont}
872 \eqcommand{      }{scriptscriptstyle}
873 \eqcommand{      }{scriptsize}
874 \eqcommand{      }{scripstyle}
875 \eqcommand{      }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{      }{secdef}
878 \eqcommand{      }{see}
879 \eqcommand{      }{seealso}
880 \eqcommand{      }{seename}
881 \eqcommand{      }{selectfont}
882 \eqcommand{      }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{      }{setcounter}
885 \eqcommand{      }{setlength}
886 \eqcommand{      }{setminus}
887 \eqcommand{      }{SetSymbolFont}
888 \eqcommand{      }{settodepth}
889 \eqcommand{      }{settoheight}
890 \eqcommand{      }{settowidth}
891 \eqcommand{      }{sfcode}
892 \eqcommand{      }{sfdefault}
893 \eqcommand{      }{sffamily}
894 \eqcommand{      }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{      }{shipout}
897 \eqcommand{      }{shortstack}
898 \eqcommand{      }{show}
899 \eqcommand{      }{showbox}
900 \eqcommand{      }{showboxbreadth}
901 \eqcommand{      }{showboxdepth}
902 \eqcommand{      }{showlists}
903 \eqcommand{      }{showthe}
904 \eqcommand{      }{simplefontmode}
905 \eqcommand{ @}{sist@@n}
906 \eqcommand{      }{skewchar}
907 \eqcommand{      }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{      }{skipdef}
910 \eqcommand{      }{sl}
911 \eqcommand{      }{sldefault}
912 \eqcommand{      }{slshape}
913 \eqcommand{      }{sloppy}
914 \eqcommand{      }{slshape}
915 \eqcommand{ }{small}
916 \eqcommand{      }{smallskip}
917 \eqcommand{      }{smallskipamount}
918 \eqcommand{ }{smash}
919 \eqcommand{      }{smile}
920 \eqcommand{      }{snlfnllocatecode}

```



```

921 \eqcommand{ }{space}
922 \eqcommand{ }{spacefactor}
923 \eqcommand{ }{spaceskip}
924 \eqcommand{ }{spadesuit}
925 \eqcommand{ }{span}
926 \eqcommand{ }{special}
927 \eqcommand{ }{splitmaxdepth}
928 \eqcommand{ }{splittopskip}
929 \eqcommand{ }{star}
930 \eqcommand{ }{stepcounter}
931 \eqcommand{ }{stretch}
932 \eqcommand{ }{string}
933 \eqcommand{ }{strut}
934 \eqcommand{ }{strutbox}
935 \eqcommand{ }{subitem}
936 \eqcommand{ }{subparagraph}
937 \eqcommand{ }{subsection}
938 \eqcommand{ }{substack}
939 \eqcommand{ }{subsubitem}
940 \eqcommand{ }{subsubsection}
941 \eqcommand{ }{subset}
942 \eqcommand{ }{subseteq}
943 \eqcommand{ }{supereject}
944 \eqcommand{ }{suppressfloats}
945 \eqcommand{@ }{@tempa}
946 \eqcommand{@ }{@tempb}
947 \eqcommand{@ }{@tempc}
948 \eqcommand{@ }{@tempd}
949 \eqcommand{@ }{@tempe}
950 \eqcommand{@ }{@tempboxa}
951 \eqcommand{@ }{@tempcnta}
952 \eqcommand{@ }{@tempcntb}
953 \eqcommand{@ }{@tempdima}
954 \eqcommand{@ }{@tempdimb}
955 \eqcommand{@ }{@tempdimc}
956 \eqcommand{@ }{@tempskipa}
957 \eqcommand{@ }{@tempskipb}
958 \eqcommand{@ }{@tempswafalse}
959 \eqcommand{@ }{@tempswatrue}
960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}

```



```

971 \eqcommand{ }{\TeX}
972 \eqcommand{ }{\text}
973 \eqcommand{ }{\textbullet}
974 \eqcommand{ }{\textfont}
975 \eqcommand{ }{\textemdash}
976 \eqcommand{ }{\textendash}
977 \eqcommand{ }{\textexclamdown}
978 \eqcommand{ }{\textperiodcentered}
979 \eqcommand{ }{\textquestiondown}
980 \eqcommand{ }{\textquotedblleft}
981 \eqcommand{ }{\textquotedblright}
982 \eqcommand{ }{\textquoteleft}
983 \eqcommand{ }{\textquoteright}
984 \eqcommand{ }{\textvisiblespace}
985 \eqcommand{ }{\textbackslash}
986 \eqcommand{ }{\textbar}
987 \eqcommand{ }{\textgreater}
988 \eqcommand{ }{\textless}
989 \eqcommand{ }{\textbf}
990 \eqcommand{ }{\textcircled}
991 \eqcommand{ }{\textcolor}
992 \eqcommand{ }{\textcompwordmark}
993 \eqcommand{ }{\textfloatsep}
994 \eqcommand{ }{\textfraction}
995 \eqcommand{ }{\textheight}
996 \eqcommand{ }{\textindent}
997 \eqcommand{ }{\textit}
998 \eqcommand{ }{\textmd}
999 \eqcommand{ }{\textnormal}
1000 \eqcommand{ }{\textregistered}
1001 \eqcommand{ }{\textrm}
1002 \eqcommand{ }{\textsc}
1003 \eqcommand{ }{\textsf}
1004 \eqcommand{ }{\textsl}
1005 \eqcommand{ }{\textstyle}
1006 \eqcommand{ }{\textsuperscript}
1007 \eqcommand{ }{\texttrademark}
1008 \eqcommand{ }{\texttt}
1009 \eqcommand{ }{\textup}
1010 \eqcommand{ }{\textwidth}
1011 \eqcommand{ }{\thanks}
1012 \eqcommand{ }{\the}
1013 \eqcommand{ }{\thempfn}
1014 \eqcommand{ }{\thicklines}
1015 \eqcommand{ }{\thickmuskip}
1016 \eqcommand{ }{\thinmuskip}
1017 \eqcommand{ }{\thickspace}
1018 \eqcommand{ }{\thinline}
1019 \eqcommand{ }{\thinspace}
1020 \eqcommand{ }{\thisfancy}

```




```

1021 \eqcommand{      }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{ }{toksdef}
1032 \eqcommand{ }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{ }{topfigrule}
1035 \eqcommand{ }{topfraction}
1036 \eqcommand{ }{topmargin}
1037 \eqcommand{ }{topmark}
1038 \eqcommand{ }{toppageskip}
1039 \eqcommand{ }{topsep}
1040 \eqcommand{ }{topskip}
1041 \eqcommand{ }{totalheight}
1042 \eqcommand{ }{tracingall}
1043 \eqcommand{ }{tracingcommands}
1044 \eqcommand{ }{tracinglostchars}
1045 \eqcommand{ }{tracingmacros}
1046 \eqcommand{ }{tracingonline}
1047 \eqcommand{ }{tracingoutput}
1048 \eqcommand{ }{tracingpages}
1049 \eqcommand{ }{tracingparagraphs}
1050 \eqcommand{ }{tracingrestores}
1051 \eqcommand{ }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{ }{ttdefault}
1054 \eqcommand{ }{ttfamily}
1055 \eqcommand{ @}{tw@}
1056 \eqcommand{ }{twocolumn}
1057 \eqcommand{ }{typein}
1058 \eqcommand{ }{typeout}
1059 \eqcommand{ }{uccode}
1060 \eqcommand{ }{uchyph}
1061 \eqcommand{ }{underline}
1062 \eqcommand{ }{unhbox}
1063 \eqcommand{ }{unhcopy}
1064 \eqcommand{ }{unitlength}
1065 \eqcommand{ }{unkern}
1066 \eqcommand{ }{unpenalty}
1067 \eqcommand{ }{unskip}
1068 \eqcommand{ }{unvbox}
1069 \eqcommand{ }{unvcopy}
1070 \eqcommand{ }{updefault}

```



```

1071 \eqcommand{      }{upshape}
1072 \eqcommand{      }{usebox}
1073 \eqcommand{      }{usecounter}
1074 \eqcommand{      }{usefont}
1075 \eqcommand{      }{usepackage}
1076 \eqcommand{@      }{@vobeyspaces}
1077 \eqcommand{@      }{@void}
1078 \eqcommand{      }{vadjust}
1079 \eqcommand{      }{valign}
1080 \eqcommand{      }{value}
1081 \eqcommand{      }{vbadness}
1082 \eqcommand{      }{vbox}
1083 \eqcommand{      }{vcenter}
1084 \eqcommand{      }{verb}
1085 \eqcommand{      }{vfil}
1086 \eqcommand{      }{vfill}
1087 \eqcommand{      }{vfilneg}
1088 \eqcommand{      }{vfuzz}
1089 \eqcommand{      }{visible}
1090 \eqcommand{      }{vline}
1091 \eqcommand{      }{voffset}
1092 \eqcommand{      @ }{voidb@x}
1093 \eqcommand{      }{vpageref}
1094 \eqcommand{      }{vrboxsep}
1095 \eqcommand{      }{vref}
1096 \eqcommand{      }{vrule}
1097 \eqcommand{      }{vsize}
1098 \eqcommand{      }{vskip}
1099 \eqcommand{      }{vspace}
1100 \eqcommand{      }{vsplit}
1101 \eqcommand{      }{vss}
1102 \eqcommand{      }{vtop}
1103 \eqcommand{      }{wd}
1104 \eqcommand{      }{whiledo}
1105 \eqcommand{      }{widehat}
1106 \eqcommand{      }{widetilde}
1107 \eqcommand{      }{widowpenalty}
1108 \eqcommand{      }{width}
1109 \eqcommand{      }{wlog}
1110 \eqcommand{      }{write}
1111 \eqcommand{@      }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{      }{xdef}
1114 \eqcommand{      }{xleaders}
1115 \eqcommand{      }{xspaceskip}
1116 \eqcommand{      }{year}
1117 \eqcommand{@      }{z@}
1118 \eqcommand{@      }{z@skip}

```



19 File color-localise-xepersian.def

```

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

```

20 File xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{      }{autofootnoterule}
1130 \eqcommand{      }{AutoMathsDigits}
1131 \eqcommand{      }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{      }{deflatinfont}
1134 \eqcommand{      }{defpersianfont}
1135 \eqcommand{      }{hboxL}
1136 \eqcommand{      }{hboxR}
1137 \eqcommand{      }{Latincite}
1138 \eqcommand{      }{latinfont}
1139 \eqcommand{      }{latintoday}
1140 \eqcommand{      }{leftfootnoterule}
1141 \eqcommand{      }{lr}
1142 \eqcommand{      }{LRE}
1143 \eqcommand{      }{LTRdblcol}
1144 \eqcommand{      }{LTRfootnote}
1145 \eqcommand{      }{LTRfootnotetext}
1146 \eqcommand{      }{LTRthanks}
1147 \eqcommand{      }{persianday}
1148 \eqcommand{      }{persianfont}
1149 \eqcommand{      }{PersianMathsDigits}
1150 \eqcommand{      }{persianmonth}
1151 \eqcommand{      }{persianyear}
1152 \eqcommand{      }{plq}
1153 \eqcommand{      }{prq}
1154 \eqcommand{      }{rightfootnoterule}
1155 \eqcommand{      }{r1}
1156 \eqcommand{      }{RLE}
1157 \eqcommand{      }{RTLdblcol}
1158 \eqcommand{      }{RTLfootnote}
1159 \eqcommand{      }{RTLfootnotetext}
1160 \eqcommand{      }{RTLthanks}
1161 \eqcommand{@ }{ @SepMark}
1162 \eqcommand{      }{SepMark}
1163 \eqcommand{      }{setdefaultbibitems}

```



```

1164 \eqcommand{      }{\setdefaultmarginpar}
1165 \eqcommand{      }{\setmathdigitfont}
1166 \eqcommand{      }{\setfootnoteLR}
1167 \eqcommand{      }{\setfootnoteRL}
1168 \eqcommand{      }{\setlatintextfont}
1169 \eqcommand{      }{\setLTR}
1170 \eqcommand{      }{\setLTRbibitems}
1171 \eqcommand{      }{\setLTRmarginpar}
1172 \eqcommand{      }{\setRTL}
1173 \eqcommand{      }{\setRTLbibitems}
1174 \eqcommand{      }{\setRTLmarginpar}
1175 \eqcommand{      }{\settextfont}
1176 \eqcommand{      }{\textwidthfootnoterule}
1177 \eqcommand{      }{\twocolumnstableofcontents}
1178 \eqcommand{      }{\unsetfootnoteRL}
1179 \eqcommand{      }{\unsetLTR}
1180 \eqcommand{      }{\unsetRTL}
1181 \eqcommand{      }{\vboxL}
1182 \eqcommand{      }{\vboxR}
1183 \eqcommand{      }{\XeLaTeX}
1184 \eqcommand{      }{\XePersian}
1185 \eqcommand{      }{\xepersianversion}
1186 \eqcommand{      }{\xepersiandate}
1187 \eqcommand{      }{\XeTeX}

```

21 File enumerate-xepersian.def

```

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

```

22 File enumitem-xepersian.def

```

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

```



```

1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }
1211 \SetEnumerateShortLabel{ }\tartibi*}
1212 \SetEnumerateShortLabel{ }\adadi*}
1213 \SetEnumerateShortLabel{ }\harfi*}
1214 \SetEnumerateShortLabel{ }\Abjad*}
1215 \SetEnumerateShortLabel{ }\abjad*}

```

23 File latex-localise-environments-xepersian.def

```

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

```



```

1255 \eqenvironment{      }{theindex}
1256 \eqenvironment{      }{titlepage}
1257 \eqenvironment{      }{trivlist}
1258 \eqenvironment{ }{verse}

```

24 File xepersian-localise-environments-xepersian.def

```

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

```

25 File extarticle-xepersian.def

```

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

```

26 File extbook-xepersian.def

```

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

```

27 File extrafootnotefeatures-xepersian.def

```

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

```



28 File extreport-xepersian.def

```
1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart      {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295   \setcounter{chapter}{0}%
1296   \setcounter{section}{0}%
1297   \gdef\@chapapp{\appendixname}%
1298   \gdef\thechapter{\@harfi\c@chapter}}
```

29 File fancyref-xepersian.def

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



```

1337 }
1338 \renewcommand*{\Frefseenname}{%
1339   \if@RTL
1340 %
1341   \else
1342     See%
1343   \fi
1344 }
1345 \renewcommand*{\Freftablename}{\tablename}
1346 \renewcommand*{\Freffigshortname}{%
1347   \if@RTL
1348     \Freffigname
1349   \else
1350     Fig.%
1351   \fi
1352 }
1353 \renewcommand*{\Frefpgshortname}{%
1354   \if@RTL
1355     \Frefpgname
1356   \else
1357     P.%
1358   \fi
1359 }
1360 \renewcommand*{\Freftabshortname}{%
1361   \if@RTL
1362     \tablename
1363   \else
1364     Tab.%
1365   \fi
1366 }
1367 \renewcommand*{\frefchapname}{%
1368   \if@RTL
1369     \Frefchapname
1370   \else
1371     \MakeLowercase{\Frefchapname}%
1372   \fi
1373 }
1374 \renewcommand*{\frefenumname}{%
1375   \if@RTL
1376     \Frefenumname
1377   \else
1378     \MakeLowercase{\Frefenumname}%
1379   \fi
1380 }
1381 \renewcommand*{\frefeqname}{%
1382   \if@RTL
1383     \Frefeqname
1384   \else
1385     \MakeLowercase{\Frefeqname}%
1386   \fi

```




```

1387 }
1388 \renewcommand*{\freffigname}{%
1389   \if@RTL
1390     \Freffigname
1391   \else
1392     \MakeLowercase{\Freffigname}%
1393   \fi
1394 }
1395 \renewcommand*{\frefnname}{%
1396   \if@RTL
1397     \Frefnname
1398   \else
1399     \MakeLowercase{\Frefnname}%
1400   \fi
1401 }
1402 \renewcommand*{\frefonname}{%
1403   \if@RTL
1404     \Frefonname
1405   \else
1406     \MakeLowercase{\Frefonname}%
1407   \fi
1408 }
1409 \renewcommand*{\frefpgname}{%
1410   \if@RTL
1411     \Frefpgname
1412   \else
1413     \MakeLowercase{\Frefpgname}%
1414   \fi
1415 }
1416 \renewcommand*{\frefsecname}{%
1417   \if@RTL
1418     \Frefsecname
1419   \else
1420     \MakeLowercase{\Frefsecname}%
1421   \fi
1422 }
1423 \renewcommand*{\frefseename}{%
1424   \if@RTL
1425     \Frefseename
1426   \else
1427     \MakeLowercase{\Frefseename}%
1428   \fi
1429 }
1430 \renewcommand*{\frefstabname}{%
1431   \if@RTL
1432     \Frefstabname
1433   \else
1434     \MakeLowercase{\Frefstabname}%
1435   \fi
1436 }

```



```

1437 \renewcommand*{\freffigshortname}{%
1438   \if@RTL
1439     \Freffigshortname
1440   \else
1441     \MakeLowercase{\Freffigshortname}%
1442   \fi
1443 }
1444 \renewcommand*{\frefpgshortname}{%
1445   \if@RTL
1446     \Frefpgshortname
1447   \else
1448     \MakeLowercase{\Frefpgshortname}%
1449   \fi
1450 }
1451 \renewcommand*{\freftabshortname}{%
1452   \if@RTL
1453     \Freftabshortname
1454   \else
1455     \MakeLowercase{\Freftabshortname}%
1456   \fi
1457 }

```

30 File fontspec-xepersian.def

```

1458 \ProvidesFile{fontspec-xepersian.def}[2018/12/14 v0.3 fontspec changes]
1459 \ExplSyntaxOn
1460 \cs_new:Npn \__xepersian_error:nx { \msg_error:nnx {xepersian} }
1461 \char_set_catcode_space:n {32}
1462 \cs_new:Nn \__xepersian_msg_new:nnnn
1463 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
1464 \__xepersian_msg_new:nnnn {xepersian} {font-cannot-be-loaded}
1465 {
1466   The font "#1" cannot be loaded by the xepersian package.
1467 }
1468 {
1469   Select another font and rerun xelatex.
1470 }
1471 \char_set_catcode_ignore:n {32}
1472 \prg_new_conditional:Nnn \__xepersian_font_if_cannot_be_loaded:Nn {p,TF,T,F}
1473 {
1474   \str_if_in:NnTF { #1 } { #2 }
1475   {
1476     \prg_return_true:
1477   }
1478   {
1479     \prg_return_false:
1480   }
1481 }
1482 \cs_undefine:N \__fontspec_load_font:
1483 \cs_new:Nn \__fontspec_load_font:

```



```

1484 {
1485   \__fontspec_primitive_font_set:Nnn \l_fontspec_font
1486   { \__fontspec_construct_font_call:nn { \l_fontspec_fontname_up_tl } {} } {\f@size pt}
1487   \__fontspec_primitive_font_if_null:NT \l_fontspec_font { \__fontspec_error:nx {font-not-found}
1488   \__xepersian_font_if_cannot_be_loaded:NnT \l_fontspec_fontname_up_tl { HM }
1489   {
1490     \__xepersian_error:nx {font-cannot-be-loaded} {\l_fontspec_fontname_up_tl}
1491     \cs_gset_eq:NN \l_fontspec_fontname_up_tl \tex_nullfont:D
1492   }
1493   \__fontspec_set_font_type:N \l_fontspec_font
1494   \__fontspec_primitive_font_gset:Nnn \l_fontspec_font
1495   { \__fontspec_construct_font_call:nn { \l_fontspec_fontname_up_tl } {} } {\f@size pt}
1496   \l_fontspec_font % this is necessary for LuaLaTeX to check the scripts properly
1497 }
1498 \cs_undefine:N \__fontspec_load_fontname:n
1499 \cs_new:Nn \__fontspec_load_fontname:n
1500 {
1501   \__fontspec_load_external_fontoptions:Nn \l_fontspec_fontname_tl {#1}
1502   \prop_get:NVNF \g__fontspec_fontopts_prop \l_fontspec_fontname_tl \l__fontspec_fontopts_cl
1503   { \clist_clear:N \l__fontspec_fontopts_clist }
1504   \keys_set_groups:nnV {fontspec/fontname} {getfontname} \l__fontspec_fontopts_clist
1505   \__fontspec_primitive_font_set:Nnn \l_fontspec_font { \__fontspec_construct_font_call:nn {
1506   \__fontspec_primitive_font_if_null:NT \l_fontspec_font { \__fontspec_error:nx {font-not-found}
1507   \__xepersian_font_if_cannot_be_loaded:NnT #1 { HM }
1508   {
1509     \__xepersian_error:nx {font-cannot-be-loaded} {#1}
1510     \cs_gset_eq:NN \l_fontspec_font \tex_nullfont:D
1511   }
1512 }
1513 \ExplSyntaxOff

```

31 File footnote-xepersian.def

```

1514 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1515
1516 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1517
1518 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1519
1520 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1521

```

32 File framed-xepersian.def

```

1522 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package f
1523 \renewenvironment{titled-frame}[1]{%
1524   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1525   \TitleBarFrame{\textbf{#1}}}%
1526   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1527   \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%

```



```

1528 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1529 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@R
1530 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1531 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1532 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1533 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1534 % could interfere with the width measurement.
1535 {\endMakeFramed}

```

33 File glossaries-xepersian.def

```

1536 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1537 \glsaddprotectedpagefmt{@harfi}
1538 \glsaddprotectedpagefmt{@tartibi}
1539 \glsaddprotectedpagefmt{@adadi}

```

34 File hyperref-xepersian.def

```

1540 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1541 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1542 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1543 \def\itemautorefname{\if@RTL else\ item\fi}%
1544 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1545 \def\tableautorefname{\if@RTL else\ Table\fi}%
1546 \def\partautorefname{\if@RTL else\ Part\fi}%
1547 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1548 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1549 \def\sectionautorefname{\if@RTL else\ section\fi}%
1550 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1551 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1552 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1553 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1554 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1555 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1556 \def\pageautorefname{\if@RTL else\ page\fi}%
1557 \AtBeginDocument{%
1558 \let\HyOrg@appendix\appendix
1559 \def\appendix{%
1560 \ltx@ifundefined{chapter}%
1561 {\gdef\theHsection{\Alph{section}}}%
1562 {\gdef\theHchapter{\Alph{chapter}}}%
1563 \xdef\Hy@chapapp{\Hy@appendixstring}%
1564 \HyOrg@appendix
1565 }
1566 }
1567 \pdfstringdefDisableCommands{%
1568 \let\lr\@firstofone
1569 \let\rl\@firstofone
1570 \def\XePersian{XePersian}
1571 }

```



```

1572 \ltx@ifundefined{@resets@pp}{%
1573 }{%
1574   \let\HyOrg@resets@pp\@resets@pp
1575   \def\@resets@pp{%
1576     \ltx@ifundefined{chapter}{%
1577       \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1578     }{%
1579       \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1580     }%
1581     \xdef\Hy@chapapp{\Hy@appendixstring}%
1582     \HyOrg@resets@pp
1583   }%
1584 }

```

35 File `imsproc-xepersian.def`

```

1585 \ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc class f
1586
1587 \renewcommand \thepart {\@tartibi\c@part}
1588 \def\appendix{\par\c@section\z@ \c@subsection\z@
1589   \let\sectionname\appendixname
1590   \def\thesection{\@harfi\c@section}}
1591

```

36 File `kashida-xepersian.def`

```

1592 \ProvidesFile{kashida-xepersian.def}[2018/01/04 v0.6 implementation of Kashida for xepersian p
1593 \chardef\xepersian@zwj="200D % zero-width joiner
1594 \chardef\xepersian@kashidachar="0640 % kashida
1595
1596 \chardef\xepersian@D=10 % dual-joiner class
1597 \chardef\xepersian@L=11 % lam
1598 \chardef\xepersian@R=12 % right-joiner
1599 \chardef\xepersian@A=13 % alef
1600 \chardef\xepersian@H=14 % heh
1601 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1602 \newif\if@Kashida@on
1603 \newif\if@Kashida@XB@fix
1604 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1605   \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@kashidachar dep
1606
1607 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1608   \expandafter\dosetclass\charlist,\end}
1609 \def\dosetclass#1,#2\end{%
1610   \def\test{#1}\def\charlist{#2}%
1611   \ifx\test\empty\let\next\finishsetclass
1612   \else \XeTeXcharclass "\test = \theclass
1613     \let\next\dosetclass \fi
1614   \expandafter\next\charlist,,\end}
1615 \def\finishsetclass#1,,\end{}

```



```

1616
1617 \setclass \xepersian@A {0622,0623,0625,0627}
1618 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1619 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1620 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1621 %\setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1622 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0649,064A}
1623 \setclass \xepersian@H {0647}
1624 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1625 \setclass \xepersian@L {0644}
1626 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1627
1628 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1629 \XeTeXinterchartoks \xepersian@H \xepersian@D = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1630 \XeTeXinterchartoks \xepersian@D \xepersian@H = {\xepersian@kashida}
1631 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1632 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1633 \XeTeXinterchartoks \xepersian@L \xepersian@H = {\xepersian@kashida}
1634 \XeTeXinterchartoks \xepersian@H \xepersian@L = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1635 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1636 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1637 \XeTeXinterchartoks \xepersian@H \xepersian@R = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1638 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1639 \XeTeXinterchartoks \xepersian@H \xepersian@A = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1640 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1641 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1642
1643 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1644 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1645
1646 \newcommand{\KashidaXBFixOn}{\@Kashida@XB@fixtrue}
1647 \newcommand{\KashidaXBFixOff}{\@Kashida@XB@fixfalse}
1648 \KashidaOn

```

37 File listings-xepersian.def

```

1649 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1650 \def\lstlistingname{\if@RTL else\ Listing\fi}
1651 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

38 File loadingorder-xepersian.def

```

1652 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the la
1653 \bidi@isloaded{algorithmic}
1654 \bidi@isloaded{algorithm}
1655 \bidi@isloaded{backref}
1656 \bidi@isloaded{enumerate}
1657 \bidi@isloaded{enumitem}
1658 \bidi@isloaded{fancyref}
1659 \bidi@isloaded{tocloft}

```



```

1660 \bidi@isloaded{url}
1661 \bidi@isloaded{varioref}
1662 \AtBeginDocument{
1663   \if@bidi@algorithmicloaded@else
1664     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1665   \fi%
1666   \if@bidi@algorithmloaded@else
1667     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1668   \fi%
1669   \if@bidi@backrefloaded@else
1670     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1671   \fi%
1672   \if@bidi@enumerateloaded@else
1673     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1674   \fi%
1675   \if@bidi@enumitemloaded@else
1676     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1677   \fi%
1678   \if@bidi@fancyrefloaded@else
1679     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1680   \fi%
1681   \if@bidi@tocloftloaded@else
1682     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1683   \fi%
1684   \if@bidi@urlloaded@else
1685     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1686   \fi%
1687   \if@bidi@variorefloaded@else
1688     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1689   \fi%
1690 }

```

39 File localise-xepersian.def

```

1691 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1692 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1693 \makezwnjletter
1694 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1695 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1696 \@ifpackageloaded{keyval}{%
1697 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1698   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1699   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1700 }{\@ifpackageloaded{xkeyval}{%
1701 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1702   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1703   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1704 }{}}
1705 \input{latex-localise-commands-xepersian.def}
1706 \input{xepersian-localise-commands-xepersian.def}

```



```

1707 \input{latex-localise-environments-xepersian.def}
1708 \input{xepersian-localise-environments-xepersian.def}
1709 \input{latex-localise-messages-xepersian.def}
1710 \input{latex-localise-misc-xepersian.def}
1711 \input{packages-localise-xepersian.def}
1712 \aliasfontfeature{ExternalLocation}{ }
1713 \aliasfontfeature{Path}{ }
1714 \aliasfontfeature{Renderer}{ }
1715 \aliasfontfeature{BoldFont}{ }
1716 \aliasfontfeature{Language}{ }
1717 \aliasfontfeature{Script}{ }
1718 \aliasfontfeature{UprightFont}{ }
1719 \aliasfontfeature{ItalicFont}{ }
1720 \aliasfontfeature{BoldItalicFont}{ }
1721 \aliasfontfeature{SlantedFont}{ }
1722 \aliasfontfeature{BoldSlantedFont}{ }
1723 \aliasfontfeature{SmallCapsFont}{ }
1724 \aliasfontfeature{UprightFeatures}{ }
1725 \aliasfontfeature{BoldFeatures}{ }
1726 \aliasfontfeature{ItalicFeatures}{ }
1727 \aliasfontfeature{BoldItalicFeatures}{ }
1728 \aliasfontfeature{SlantedFeatures}{ }
1729 \aliasfontfeature{BoldSlantedFeatures}{ }
1730 \aliasfontfeature{SmallCapsFeatures}{ }
1731 \aliasfontfeature{SizeFeatures}{ }
1732 \aliasfontfeature{Scale}{ }
1733 \aliasfontfeature{WordSpace}{ }
1734 \aliasfontfeature{PunctuationSpace}{ }
1735 \aliasfontfeature{FontAdjustment}{ }
1736 \aliasfontfeature{LetterSpace}{ }
1737 \aliasfontfeature{HyphenChar}{ }
1738 \aliasfontfeature{Color}{ }
1739 \aliasfontfeature{Opacity}{ }
1740 \aliasfontfeature{Mapping}{ }
1741 \aliasfontfeature{Weight}{ }
1742 \aliasfontfeature{Width}{ }
1743 \aliasfontfeature{OpticalSize}{ }
1744 \aliasfontfeature{FakeSlant}{ }
1745 \aliasfontfeature{FakeStretch}{ }
1746 \aliasfontfeature{FakeBold}{ }
1747 \aliasfontfeature{AutoFakeSlant}{ }
1748 \aliasfontfeature{AutoFakeBold}{ }
1749 \aliasfontfeature{Ligatures}{ }
1750 \aliasfontfeature{Alternate}{ }
1751 \aliasfontfeature{Variant}{ }
1752 \aliasfontfeature{Variant}{ }
1753 \aliasfontfeature{CharacterVariant}{ }
1754 \aliasfontfeature{Style}{ }
1755 \aliasfontfeature{Annotation}{ }
1756 \aliasfontfeature{RawFeature}{ }

```




```

1757 \aliasfontfeature{CharacterWidth}{      }
1758 \aliasfontfeature{Numbers}{      }
1759 \aliasfontfeature{Contextuals}{      }
1760 \aliasfontfeature{Diacritics}{      }
1761 \aliasfontfeature{Letters}{      }
1762 \aliasfontfeature{Kerning}{      }
1763 \aliasfontfeature{VerticalPosition}{      }
1764 \aliasfontfeature{Fractions}{      }
1765 \aliasfontfeatureoption{Language}{Default}{      }
1766 \aliasfontfeatureoption{Language}{Persian}{      }
1767 \aliasfontfeatureoption{Script}{Persian}{      }
1768 \aliasfontfeatureoption{Script}{Latin}{      }
1769 \aliasfontfeatureoption{Style}{MathScript}{      }
1770 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

40 File memoir-xepersian.def

```

1771 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1772 \renewcommand{\@memfront}{%
1773   \@smemfront\pagenumbering{harfi}}
1774 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1775 \renewcommand*{\thebook}{\@tartibi\c@book}
1776 \renewcommand*{\thepart}{\@tartibi\c@part}
1777 \renewcommand{\appendix}{\par
1778   \setcounter{chapter}{0}%
1779   \setcounter{section}{0}%
1780   \gdef\@chapapp{\appendixname}%
1781   \gdef\thechapter{\@harfi\c@chapter}%
1782   \anappendixtrue}

```

41 File latex-localise-messages-xepersian.def

```

1783 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

42 File minitoc-xepersian.def

```

1784 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1785 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1786 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1787 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1788 \def\mtctitle{\if@RTL else\ Contents\fi}%
1789 \def\mlftitle{\if@RTL else\ Figures\fi}%
1790 \def\mltttitle{\if@RTL else\ Tables\fi}%
1791 \def\stctitle{\if@RTL else\ Contents\fi}%
1792 \def\slftitle{\if@RTL else\ Figures\fi}%
1793 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

43 File latex-localise-misc-xepersian.def

```

1794 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis

```



```

1795 %}1# \ \
1796 \@ \ @ \ \
1797 \1# \
1798 \1# @\
1799 \1# @\
1800 {\@ \ \
1801 %}2#1# @\ \
1802 %1# \ @\ \ \ \
1803 \2# \ @\ \
1804 {{2#1# \}}
1805 undefined\ \ \
1806
1807 %{\ \ \ \ \1#} \ \} \1# \ \
1808 \ { \ \ \
1809 \ \ \
1810
1811
1812 \ \ \ \%} \#1
1813 \1#} \ \ \% \
1814 \ \ \ \
1815 }%
1816 \
1817 \ \ \ \
1818 }
1819 \= \ \
1820
1821
1822 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1823 \def\@xfloat #1[#2]{%
1824 \@nodocument
1825 \def \@capttype {#1}%
1826 \def \@fps {#2}%
1827 \@onelevel@sanitize \@fps
1828 \def \reserved@b {!}%
1829 \ifx \reserved@b \@fps
1830 \@fpsadddefault
1831 \else
1832 \ifx \@fps \empty
1833 \@fpsadddefault
1834 \fi
1835 \fi
1836 \ifhmode
1837 \bsphack
1838 \@floatpenalty -\@Mii
1839 \else
1840 \@floatpenalty -\@Miii
1841 \fi
1842 \ifinner
1843 \@parmoderr\@floatpenalty\z@
1844 \else

```



```

1845 \@next\@currbox\@freelist
1846 {%
1847   \@tempcnta \sixt@@n
1848   \expandafter \@tfor \expandafter \reserved@a
1849   \expandafter :\expandafter =\@fps
1850   \do
1851   {%
1852     \if \reserved@a h%
1853     \ifodd \@tempcnta
1854     \else
1855       \advance \@tempcnta \@ne
1856     \fi
1857   \fi
1858   \if \reserved@a %
1859   \ifodd \@tempcnta
1860   \else
1861     \advance \@tempcnta \@ne
1862   \fi
1863 \fi
1864 \if \reserved@a t%
1865   \@setfpsbit \tw@
1866 \fi
1867 \if \reserved@a %
1868   \@setfpsbit \tw@
1869 \fi
1870 \if \reserved@a b%
1871   \@setfpsbit 4%
1872 \fi
1873 \if \reserved@a %
1874   \@setfpsbit 4%
1875 \fi
1876 \if \reserved@a p%
1877   \@setfpsbit 8%
1878 \fi
1879 \if \reserved@a %
1880   \@setfpsbit 8%
1881 \fi
1882 \if \reserved@a !%
1883   \ifnum \@tempcnta>15
1884     \advance\@tempcnta -\sixt@@n\relax
1885   \fi
1886 \fi
1887 }%
1888 \@tempcntb \csname ftype@\@captype \endcsname
1889 \multiply \@tempcntb \@xxxii
1890 \advance \@tempcnta \@tempcntb
1891 \global \count\@currbox \@tempcnta
1892 }%
1893 \@fltovf
1894 \fi

```



```

1895 \global \setbox\@currbox
1896 \color@vbox
1897 \normalcolor
1898 \vbox \bgroup
1899 \hsize\columnwidth
1900 \@parboxrestore
1901 \@floatboxreset
1902 }
1903 \let\bm@ \bm@c
1904 \let\bm@ \bm@l
1905 \let\bm@ \bm@r
1906 \let\bm@ \bm@b
1907 \let\bm@ \bm@t
1908 \let\bm@ \bm@s
1909 \long\def\@iiparbox#1#2[#3]#4#5{%
1910 \leavevmode
1911 \@pboxswfalse
1912 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1913 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1914 \setlength\@tempdima{#4}%
1915 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1916 \ifx\relax#2\else
1917 \setlength\@tempdimb{#2}%
1918 \edef\@parboxto{to\the\@tempdimb}%
1919 \fi
1920 \if#1b\vbox
1921 \else\if#1\vbox
1922 \else\if #1t\top
1923 \else\if vtop\ #1
1924 \else\ifmmode\center
1925 \else\@pboxswtrue $\center
1926 \fi\fi\fi\fi\fi
1927 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1928 \csname bm@#3\endcsname}%
1929 \if@pboxsw \m@th$\fi
1930 \@end@tempboxa}
1931 \def\@iiiminipage#1#2[#3]#4{%
1932 \leavevmode
1933 \@pboxswfalse
1934 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1935 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1936 \setlength\@tempdima{#4}%
1937 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1938 \setbox\@tempboxa\vbox\bgroup
1939 \color@begingroup
1940 \hsize\@tempdima
1941 \textwidth\hsize \columnwidth\hsize
1942 \@parboxrestore
1943 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1944 \let\@footnotetext\@mpfootnotetext

```



```

1945 \let\@LTRfootnotetext\@mpLTRfootnotetext
1946 \let\@RTLfootnotetext\@mpRTLfootnotetext
1947 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1948 \@minipagerestore
1949 \setminipage}
1950 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1951 \ifnum \@lastchclass=3 5 \else
1952 \z@ \if #1c\@chnum \z@ \else
1953 \if chnum@ \#1 \z@ \else
1954 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1955 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1956 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1957 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1958 \@chclass \if #1|\@ne \else
1959 \if #1@\tw@ \else
1960 \if #1p3 \else
1961 \if 3 #1 \else \z@ \@preamerr 0\fi
1962 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1963 \fi}%
1964 }-{}
1965 \ifdefinitionfileloaded{array-xetex-bidi}{%
1966 \def\@testpach{\@chclass
1967 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1968 \ifnum \@lastchclass=7 5 \else
1969 \ifnum \@lastchclass=8 \tw@ \else
1970 \ifnum \@lastchclass=9 \thr@@
1971 \else \z@
1972 \ifnum \@lastchclass = 10 \else
1973 \edef\@nextchar{\expandafter\string\@nextchar}%
1974 \@chnum
1975 \if \@nextchar c\z@ \else
1976 \if \@nextchar @z\ \else
1977 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1978 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1979 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1980 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1981 \z@ \@chclass
1982 \if \@nextchar |\@ne \else
1983 \if \@nextchar !6 \else
1984 \if \@nextchar @7 \else
1985 \if \@nextchar <8 \else
1986 \if \@nextchar >9 \else
1987 10
1988 \@chnum
1989 \if \@nextchar m\thr@@\else
1990 \if \@nextchar thr@@\else\
1991 \if \@nextchar p4 \else
1992 \if \@nextchar 4 \else
1993 \if \@nextchar b5 \else
1994 \if \@nextchar 5 \else

```



```

1995 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1996 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1997 }{}
1998 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1999 \ifadl@usingarypkg
2000 \def\@testpach{\@chclass
2001 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2002 \ifnum \@lastchclass=7 5 \else
2003 \ifnum \@lastchclass=8 \tw@ \else
2004 \ifnum \@lastchclass=9 \thr@@
2005 \else \z@
2006 \ifnum \@lastchclass = 10 \else
2007 \edef\@nextchar{\expandafter\string\@nextchar}%
2008 \@chnum
2009 \if \@nextchar c\z@ \else
2010 \if \@nextchar @z\ \else
2011 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2012 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2013 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2014 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2015 \z@ \@chclass
2016 \if \@nextchar | \@ne \let\@arrayrule\adl@arrayrule \else
2017 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2018 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2019 \if \@nextchar !6 \else
2020 \if \@nextchar @7 \else
2021 \if \@nextchar <8 \else
2022 \if \@nextchar >9 \else
2023 10
2024 \@chnum
2025 \if \@nextchar m\thr@@\else
2026 \if \@nextchar thr@@\else\
2027 \if \@nextchar p4 \else
2028 \if \@nextchar 4 \else
2029 \if \@nextchar b5 \else
2030 \if \@nextchar 5 \else
2031 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
2032 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2033
2034 \def\@classz{\@classx
2035 \@tempcnta \count@
2036 \prepnext@tok
2037 \@addtopreamble{\ifcase \@chnum
2038 \hfil
2039 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2040 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2041 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2042 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2043 \adl@endmbox\or
2044 \setbox\adl@box\top \@startpbox{\@nextchar}\insert@column \@endpbox \or

```



```

2045 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2046 \fi}\prepnext@tok}
2047 \def\adl@class@start{4}
2048 \def\adl@class@iiiorvii{7}
2049
2050 \else
2051 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2052 \ifnum \@lastchclass=\thr@@ 5\relax \else
2053 \z@ \if #1c\@chnum \z@ \else
2054 \if @chnum\z@ #1 \else
2055 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2056 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2057 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2058 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2059 \@chclass
2060 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2061 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2062 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2063 \if #1@\tw@ \else
2064 \if #1p\thr@@ \else
2065 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2066 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2067
2068 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2069 \or \or \@addamp \or
2070 \@acolampacol \or \@firstampfalse \@acol \fi
2071 \edef\@preamble{\@preamble
2072 \ifcase \@chnum
2073 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2074 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2075 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2076 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2077 \or \or \@addamp \or
2078 \@acolampacol \or \@firstampfalse \@acol \fi
2079 \edef\@preamble{\@preamble
2080 \ifcase \@chnum
2081 \hfil\adl@putlrc{\@sharp\unskip}\hfil
2082 \or \adl@putlrc{\@sharp\unskip}\hfil
2083 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2084 \def\adl@class@start{6}
2085 \def\adl@class@iiiorvii{3}
2086 \fi
2087 }{}
2088 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2089 \def\@testpach{\@chclass
2090 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2091 \ifnum \@lastchclass=7 5 \else
2092 \ifnum \@lastchclass=8 \tw@ \else
2093 \ifnum \@lastchclass=9 \thr@@
2094 \else \z@

```



```

2095 \ifnum \@lastchclass = 10 \else
2096 \edef\@nextchar{\expandafter\string\@nextchar}%
2097 \@chnum
2098 \if \@nextchar c\z@ \else
2099 \if \@nextchar @z\ \else
2100 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2101 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2102 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2103 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2104 \if \@nextchar C7 \else
2105 \if \@nextchar 7 \else
2106 \if \@nextchar L8 \else
2107 \if \@nextchar 8 \else
2108 \if \@nextchar R9 \else
2109 \if \@nextchar 9 \else
2110 \if \@nextchar J10 \else
2111 \if \@nextchar 10 \else
2112 \z@ \@chclass
2113 \if\@nextchar |\@ne \else
2114 \if \@nextchar !6 \else
2115 \if \@nextchar @7 \else
2116 \if \@nextchar <8 \else
2117 \if \@nextchar >9 \else
2118 10
2119 \@chnum
2120 \if \@nextchar m\thr@@\else
2121 \if \@nextchar thr@@\else\
2122 \if \@nextchar p4 \else
2123 \if \@nextchar4 \else
2124 \if \@nextchar b5 \else
2125 \if \@nextchar 5 \else
2126 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi \fi \fi \fi \fi \fi \fi \fi
2127 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2128 {}}}
2129 \ifdefinitionfileloaded{float-xetex-bidi}{%
2130 \let\@float@Hx\@xfloat
2131 \def\@float@#1[{\@ifnextchar{H}{\@float@HH{#1}}]{\@ifnextchar{ }{\@float@{#1} }{\@float@Hx{#1}}
2132 \def\@float@HH#1[H]{%
2133 \expandafter\let\csname end#1\endcsname\float@endH
2134 \let\@currbox\float@box
2135 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}}%
2136 \expandafter\ifx\csname fst@#1\endcsname\relax
2137 \@flstylefalse\else\@flstyletrue\fi
2138 \setbox\@currbox\color@vbox\normalcolor
2139 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2140 \@floatboxreset \@setnobreak
2141 \ignorespaces}
2142 \def\@float@[ ]1# {%
2143 \expandafter\let\csname end#1\endcsname\float@endH
2144 \let\@currbox\float@box

```




```

2145 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2146 \expandafter\ifx\csname fst@#1\endcsname\relax
2147 \@flstylefalse\else\@flstyletrue\fi
2148 \setbox\@currbox\color\vbox\normalcolor
2149 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2150 \floatboxreset \@setnobreak
2151 \ignorespaces}
2152 }-{}
2153 \begingroup \catcode `|=0 \catcode `|=1
2154 \catcode`=2 \catcode `={12 \catcode `}=12
2155 \catcode`\=12 \gdef\@x@xepersian@localize@verbatim#1\[[ ]|1#]{ }
2156 \gdef\@sx@xepersian@localize@verbatim#1\[[* ]|1#]{* }
2157 \endgroup
2158 \def\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2159 \def\end \if@newlist \leavevmode\fi\endtrivlist}
2160 \ExplSyntaxOn
2161 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2162 \ExplSyntaxOff
2163 \expandafter\let\csname end * \endcsname =\end

```

44 File natbib-xepersian.def

```

2164 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2165 \renewcommand\NAT@set@cites{%
2166 \ifNAT@numbers
2167 \ifNAT@super \let\@cite\NAT@citesuper
2168 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2169 \let\citeyearpar=\citeyear
2170 \let\NAT@space\relax
2171 \def\NAT@super@kern{\kern\p}%
2172 \else
2173 \let\NAT@mbox=\mbox
2174 \let\@cite\NAT@citenum
2175 \let\NAT@space\NAT@spacechar
2176 \let\NAT@super@kern\relax
2177 \fi
2178 \let\@citex\NAT@citexnum
2179 \let\@Latincitex\NAT@Latin@citexnum
2180 \let\@biblabel\NAT@biblabelnum
2181 \let\@bibsetup\NAT@bibsetnum
2182 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2183 \def\natexlab##1{%
2184 \def\NAT@penalty{\penalty\@m}%
2185 \else
2186 \let\@cite\NAT@cite
2187 \let\@citex\NAT@citex
2188 \let\@Latincitex\NAT@Latin@citex
2189 \let\@biblabel\NAT@biblabel
2190 \let\@bibsetup\NAT@bibsetup
2191 \let\NAT@space\NAT@spacechar

```



```

2192 \let\NAT@penalty\@empty
2193 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2194 \def\natexlab##1{##1}%
2195 \fi}
2196 \newcommand\NAT@Latin@citex{}
2197 \def\NAT@Latin@citex%
2198   [#1] [#2] #3{%
2199   \NAT@reset@parser
2200   \NAT@sort@cites{#3}%
2201   \NAT@reset@citea
2202   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2203   \for\@citeb:=\NAT@cite@list\do
2204   {\@safe@activestrue
2205   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2206   \@safe@activesfalse
2207   \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2208     {\reset@font\bfseries ?}\NAT@citeundefined
2209     \PackageWarning{natbib}%
2210     {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
2211   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2212   \NAT@parse{\@citeb}%
2213   \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2214     \let\NAT@name=\NAT@all@names
2215     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2216   \fi
2217   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2218     \let\NAT@nm\NAT@name\fi
2219   \ifNAT@swa\ifcase\NAT@ctype
2220     \if\relax\NAT@date\relax
2221       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2222     \else
2223       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2224         \ifx\NAT@last@yr\NAT@year
2225           \def\NAT@temp{?}%
2226           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2227             {Multiple citation on page \thepage: same authors and
2228             year\MessageBreak without distinguishing extra
2229             letter,\MessageBreak appears as question mark}\fi
2230           \NAT@hyper@{\NAT@exlab}%
2231         \else\unskip\NAT@spacechar
2232           \NAT@hyper@{\NAT@date}%
2233         \fi
2234       \else
2235         \@citea\NAT@hyper@{%
2236           \NAT@nmfmt{\NAT@nm}%
2237           \hyper@natlinkbreak{%
2238             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2239           }%
2240           \NAT@date
2241         }%

```



```

2242         \fi
2243     \fi
2244     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2245     \or\@citea\NAT@hyper@{\NAT@date}%
2246     \or\@citea\NAT@hyper@{\NAT@alias}%
2247     \fi \NAT@def@citea
2248 \else
2249     \ifcase\NAT@ctype
2250     \if\relax\NAT@date\relax
2251         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2252     \else
2253         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2254             \ifx\NAT@last@yr\NAT@year
2255                 \def\NAT@temp{{?}}%
2256                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2257                     {Multiple citation on page \thepage: same authors and
2258                     year\MessageBreak without distinguishing extra
2259                     letter,\MessageBreak appears as question mark}\fi
2260                 \NAT@hyper@{\NAT@exlab}%
2261             \else
2262                 \unskip\NAT@spacechar
2263                 \NAT@hyper@{\NAT@date}%
2264             \fi
2265         \else
2266             \@citea\NAT@hyper@{%
2267                 \NAT@nmfmt{\NAT@nm}%
2268                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2269                 {\@citeb\@extra@b@citeb}%
2270                 \NAT@date
2271             }%
2272         \fi
2273     \fi
2274     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2275     \or\@citea\NAT@hyper@{\NAT@date}%
2276     \or\@citea\NAT@hyper@{\NAT@alias}%
2277     \fi
2278     \if\relax\NAT@date\relax
2279         \NAT@def@citea
2280     \else
2281         \NAT@def@citea@close
2282     \fi
2283 \fi
2284 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2285 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2286 \newcommand\NAT@Latin@citexnum{}
2287 \def\NAT@Latin@citexnum[#1][#2]#3{%
2288     \NAT@reset@parser
2289     \NAT@sort@cites{#3}%
2290     \NAT@reset@citea
2291     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty

```



```

2292 \@for\@citeb:=\NAT@cite@list\do
2293 {\@safe@activetrue
2294 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2295 \@safe@activesfalse
2296 \@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2297   {\reset@font\bfseries?}
2298   \NAT@citeundefined\PackageWarning{natbib}%
2299   {Citation `'\@citeb' on page \thepage \space undefined}}%
2300 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2301 \NAT@parse{\@citeb}%
2302 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2303   \let\NAT@name=\NAT@all@names
2304   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2305 \fi
2306 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2307   \let\NAT@nm\NAT@name\fi
2308 \ifNAT@swa
2309   \@ifnum{\NAT@cotype>\@ne}{%
2310     \citea
2311     \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2312   }{%
2313     \@ifnum{\NAT@cmprs>\z@}{%
2314       \NAT@ifcat@num\NAT@num
2315       {\let\NAT@nm=\NAT@num}%
2316       {\def\NAT@nm{-2}}%
2317       \NAT@ifcat@num\NAT@last@num
2318       {\@tempcnta=\NAT@last@num\relax}%
2319       {\@tempcnta\m@ne}%
2320       \@ifnum{\NAT@nm=\@tempcnta}{%
2321         \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2322       }{%
2323         \advance\@tempcnta by\@ne
2324         \@ifnum{\NAT@nm=\@tempcnta}{%
2325           \ifx\NAT@last@yr\relax
2326             \def\NAT@last@yr{\@citea}%
2327           \else
2328             \def\NAT@last@yr{--\NAT@penalty}%
2329           \fi
2330         }{%
2331           \NAT@last@yr@mbox
2332         }%
2333       }%
2334     }{%
2335       \@tempswatrue
2336       \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}%
2337       \if@tempswa\NAT@citea@mbox\fi
2338     }%
2339   }%
2340   \NAT@def@citea
2341 \else

```



```

2342 \ifcase\NAT@ctype
2343 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2344 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2345 \fi
2346 \if*#1*\else#1\NAT@spacechar\fi
2347 \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2348 \NAT@def@citea@box
2349 \or
2350 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2351 \or
2352 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2353 \or
2354 \NAT@hyper@citea@space\NAT@alias
2355 \fi
2356 \fi
2357 }%
2358 }%
2359 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2360 \ifNAT@swa\else
2361 \@ifnum{\NAT@ctype=\z@}{%
2362 \if*#2*\else\NAT@cmt#2\fi
2363 }{}%
2364 \NAT@mbox{\NAT@@close}%
2365 \fi
2366 }{\#1}{\#2}%
2367 }%
2368 \AtBeginDocument{\NAT@set@cites}
2369 \DeclareRobustCommand\Latincite
2370 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2371 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2372 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2373 \ifNAT@numbers\else
2374 \NAT@swafalse
2375 \fi
2376 \NAT@@Latin@@citetp[]}}
2377 \newcommand\NAT@@Latin@@citetp{}
2378 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

45 File packages-localise-xepersian.def

```

2379 packages} \-localise-xepersian.def[2013/04/24 v0.2 localising LaTeX2e Packages]
2380 color} \}{color} @\-localise-xepersian.def}}{}
2381 \@ifpackageloaded{multicol}{%
2382 \newenvironment{ }{\begin{multicols}}{\end{multicols}}}%
2383 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2384 }{}
2385 \@ifpackageloaded{verbatim}{%
2386 \begingroup
2387 \vrb@catcodes
2388 \lccode`!=`\ \lccode`\[=\{ \lccode`\]=`\}

```



```

2389 \catcode\~=\active \lccode\~=\^^M
2390 \lccode\C=\C
2391 \lowercase{\endgroup
2392 \def\xepersian@localize@verbatim@start#1{%
2393 \verbatim@startline
2394 \if\noexpand#1\noexpand~%
2395 \let\next\xepersian@localize@verbatim@
2396 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2397 \next}%
2398 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2399 \def\xepersian@localize@verbatim@@#1! {%
2400 \verbatim@addtoline{#1}%
2401 \futurelet\next\xepersian@localize@verbatim@@}%
2402 \def\xepersian@localize@verbatim@@@#1\@nil{%
2403 \ifx\next\@nil
2404 \verbatim@processline
2405 \verbatim@startline
2406 \let\next\xepersian@localize@verbatim@
2407 \else
2408 \def\@tempa##1! \@nil{##1}%
2409 \@temptokena{! }%
2410 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2411 \fi \next}%
2412 \def\xepersian@localize@verbatim@test#1{%
2413 \let\next\xepersian@localize@verbatim@test
2414 \if\noexpand#1\noexpand~%
2415 \expandafter\verbatim@addtoline
2416 \expandafter{\the\@temptokena}%
2417 \verbatim@processline
2418 \verbatim@startline
2419 \let\next\xepersian@localize@verbatim@
2420 \else \if\noexpand#1
2421 \@temptokena\expandafter{\the\@temptokena#1}%
2422 \else \if\noexpand#1\noexpand[%
2423 \let\@tempc\@empty
2424 \let\next\xepersian@localize@verbatim@testend
2425 \else
2426 \expandafter\verbatim@addtoline
2427 \expandafter{\the\@temptokena}%
2428 \def\next{\xepersian@localize@verbatim@#1}%
2429 \fi\fi\fi
2430 \next}%
2431 \def\xepersian@localize@verbatim@testend#1{%
2432 \if\noexpand#1\noexpand~%
2433 \expandafter\verbatim@addtoline
2434 \expandafter{\the\@temptokena[]}%
2435 \expandafter\verbatim@addtoline
2436 \expandafter{\@tempc}%
2437 \verbatim@processline
2438 \verbatim@startline

```



```

2439         \let\next\xepersian@localize@verbatim@
2440     \else\if\noexpand#1\noexpand]%
2441         \let\next\xepersian@localize@verbatim@@testend
2442     \else\if\noexpand#1\noexpand!%
2443         \expandafter\verbatim@addtoline
2444         \expandafter{\the\@temptokena[]}%
2445         \expandafter\verbatim@addtoline
2446         \expandafter{\@tempc}%
2447         \def\next{\xepersian@localize@verbatim@!}%
2448     \else \expandafter\def\expandafter\@tempc\expandafter
2449         {\@tempc#1}\fi\fi\fi
2450     \next}%
2451 \def\xepersian@localize@verbatim@@testend{%
2452     \ifx\@tempc\@currentvir
2453         \verbatim@finish
2454         \edef\next{\noexpand\end{\@currentvir}}%
2455         \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2456     \else
2457         \expandafter\verbatim@addtoline
2458         \expandafter{\the\@temptokena[]}%
2459         \expandafter\verbatim@addtoline
2460         \expandafter{\@tempc}%
2461         \let\next\xepersian@localize@verbatim@
2462     \fi
2463     \next}%
2464 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2465     \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2466 \def\        {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2467             \xepersian@localize@verbatim@start}
2468 \@namedef{      *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2469 \def\end      {\endtrivlist\endgroup\@doendpe}
2470 \expandafter\let\csname end      *\endcsname =\end
2471 }-{}
2472 \ExplSyntaxOn
2473 \AtBeginDocument{
2474     \xepersian_localize_patch_verbatim:
2475 }
2476 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2477     \@ifpackageloaded{verbatim}{
2478         \cs_set:cpn {*      } }
2479     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2480     }
2481 }{
2482 }
2483 }
2484 \ExplSyntaxOff
2485 \@ifpackageloaded{graphicx}{%
2486 \def\Gin@boolkey#1#2{%
2487 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2488 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%

```



```

2489 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2490 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2491 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2492 \define@key{Grot}{origin}[c]{%
2493 \@tfor\@tempa:=#1\do{%
2494 \if l\@tempa \Grot@x\z@\else
2495 \if tempa@ \Grot@x\z@\else
2496 \if r\@tempa \Grot@x\width\else
2497 \if tempa@ \Grot@x\width\else
2498 \if t\@tempa \Grot@y\height\else
2499 \if tempa@ \Grot@y\height\else
2500 \if b\@tempa \Grot@y-\depth\else
2501 \if tempa@ \Grot@y-\depth\else
2502 \if B\@tempa \Grot@y\z@\else
2503 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2504 {draft}{ \Gin} @ \
2505 {origin}{ \Gin} @ \
2506 {origin}{ \Grot} @ \
2507 {clip}{ \Gin} @ \
2508 {keepaspectratio}{ \Gin} @ \
2509 {natwidth}{ \Gin} @ \
2510 {natheight}{ \Gin} @ \
2511 {bb}{ \Gin} @ \
2512 {viewport}{ \Gin} @ \
2513 {trim}{ \Gin} @ \
2514 {angle}{ \Gin} @ \
2515 {width}{ \Gin} @ \
2516 {height}{ \Gin} @ \
2517 {totalheight}{ \Gin} @ \
2518 {scale}{ \Gin} @ \
2519 {type}{ \Gin} @ \
2520 {ext}{ \Gin} @ \
2521 {read}{ \Gin} @ \
2522 {command}{ \Gin} @ \
2523 {x}{ \Grot} @ \
2524 {y}{ \Grot} @ \
2525 {units}{ \Grot} @ \
2526 {}{}

```

46 File persian-tex-text.map

```

2527 LHSName "persian-TeX-text"
2528 RHSName "Unicode"
2529
2530 pass(Unicode)
2531 U+0030 <> U+06F0 ;
2532 U+0031 <> U+06F1 ;
2533 U+0032 <> U+06F2 ;
2534 U+0033 <> U+06F3 ;
2535 U+0034 <> U+06F4 ;

```




```

2536 U+0035 <> U+06F5 ;
2537 U+0036 <> U+06F6 ;
2538 U+0037 <> U+06F7 ;
2539 U+0038 <> U+06F8 ;
2540 U+0039 <> U+06F9 ;
2541
2542
2543 U+002C <> U+060C ; comma > arabic comma
2544 U+003F <> U+061F ; question mark -> arabic qm
2545 U+003B <> U+061B ; semicolon -> arabic semicolon
2546
2547 ; ligatures from Knuth's original CMR fonts
2548 U+002D U+002D <> U+2013 ; -- -> en dash
2549 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2550
2551 U+0027 <> U+2019 ; ' -> right single quote
2552 U+0027 U+0027 <> U+201D ; '' -> right double quote
2553 U+0022 > U+201D ; " -> right double quote
2554
2555 U+0060 <> U+2018 ; ` -> left single quote
2556 U+0060 U+0060 <> U+201C ; `` -> left double quote
2557
2558 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2559 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2560
2561 ; additions supported in T1 encoding
2562 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2563 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2564 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

47 File rapport1-xepersian.def

```

2565 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2566 \renewcommand*\thepart{\@tartibi\c@part}
2567 \renewcommand*\appendix{\par
2568   \setcounter{chapter}{0}%
2569   \setcounter{section}{0}%
2570   \gdef\@chapapp{\appendixname}%
2571   \gdef\thechapter{\@harfi\c@chapter}}

```

48 File rapport3-xepersian.def

```

2572 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2573 \renewcommand*\thepart{\@tartibi\c@part}
2574 \renewcommand*\appendix{\par
2575   \setcounter{chapter}{0}%
2576   \setcounter{section}{0}%
2577   \gdef\@chapapp{\appendixname}%
2578   \gdef\thechapter{\@harfi\c@chapter}}

```



49 File refrep-xepersian.def

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

50 File report-xepersian.def

```
2587 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2588 \renewcommand \thepart {\@tartibi\c@part}
2589 \renewcommand\appendix{\par
2590   \setcounter{chapter}{0}%
2591   \setcounter{section}{0}%
2592   \gdef\@chapapp{\appendixname}%
2593   \gdef\thechapter{\@harfi\c@chapter}
2594 }%end appendix
```

51 File scrartcl-xepersian.def

```
2595 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2596 \renewcommand*{\thepart}{\@tartibi\c@part}
2597 \renewcommand*\appendix{\par%
2598   \setcounter{section}{0}%
2599   \setcounter{subsection}{0}%
2600   \gdef\thesection{\@harfi\c@section}%
2601   \csname appendixmore\endcsname
2602 }
2603 \renewcommand*{\@maybeautodot}[1]{%
2604   \ifx #1\@stop\let\@maybeautodot\relax
2605   \else
2606     \ifx #1\harfi \@autodottrue\fi
2607     \ifx #1\adadi \@autodottrue\fi
2608     \ifx #1\tartibi \@autodottrue\fi
2609     \ifx #1\Alph \@autodottrue\fi
2610     \ifx #1\alph \@autodottrue\fi
2611     \ifx #1\Roman \@autodottrue\fi
2612     \ifx #1\roman \@autodottrue\fi
2613     \ifx #1\@harfi \@autodottrue\fi
2614     \ifx #1\@adadi \@autodottrue\fi
2615     \ifx #1\@tartibi \@autodottrue\fi
2616     \ifx #1\@Alph \@autodottrue\fi
2617     \ifx #1\@alph \@autodottrue\fi
2618     \ifx #1\@Roman \@autodottrue\fi
2619     \ifx #1\@roman \@autodottrue\fi
2620     \ifx #1\romannumeral \@autodottrue\fi
```



```

2621 \fi
2622 \@maybeautodot
2623 }

```

52 File scrbook-xepersian.def

```

2624 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2625 \renewcommand*\frontmatter{%
2626   \if@twoside\cleardoubleoddp\else\clearpage\fi
2627   \@mainmatterfalse\pagenumbering{harfi}%
2628 }
2629 \renewcommand*\thepart{\@tartibi\c@part}
2630 \renewcommand*\appendix{\par%
2631   \setcounter{chapter}{0}%
2632   \setcounter{section}{0}%
2633   \gdef\@chapapp{\appendixname}%
2634   \gdef\thechapter{\@harfi\c@chapter}%
2635   \csname appendixmore\endcsname
2636 }
2637 \renewcommand*\@maybeautodot}[1]{%
2638   \ifx #1\@stop\let\@maybeautodot\relax
2639   \else
2640     \ifx #1\harfi \@autodottrue\fi
2641     \ifx #1\adadi \@autodottrue\fi
2642     \ifx #1\tartibi \@autodottrue\fi
2643     \ifx #1\Alph \@autodottrue\fi
2644     \ifx #1\alph \@autodottrue\fi
2645     \ifx #1\Roman \@autodottrue\fi
2646     \ifx #1\roman \@autodottrue\fi
2647     \ifx #1\@harfi \@autodottrue\fi
2648     \ifx #1\@adadi \@autodottrue\fi
2649     \ifx #1\@tartibi \@autodottrue\fi
2650     \ifx #1\@Alph \@autodottrue\fi
2651     \ifx #1\@alph \@autodottrue\fi
2652     \ifx #1\@Roman \@autodottrue\fi
2653     \ifx #1\@roman \@autodottrue\fi
2654     \ifx #1\romannumeral \@autodottrue\fi
2655   \fi
2656   \@maybeautodot
2657 }

```

53 File screprt-xepersian.def

```

2658 \ProvidesFile{screprt-xepersian.def}[2010/07/25 v0.2 adaptations for screprt class]
2659 \renewcommand*\thepart{\@tartibi\c@part}
2660 \renewcommand*\appendix{\par%
2661   \setcounter{chapter}{0}%
2662   \setcounter{section}{0}%
2663   \gdef\@chapapp{\appendixname}%
2664   \gdef\thechapter{\@harfi\c@chapter}%

```



```

2665 \csname appendixmore\endcsname
2666 }
2667 \renewcommand*{\@@maybeautodot}[1]{%
2668 \ifx #1\@stop\let\@@maybeautodot\relax
2669 \else
2670 \ifx #1\harfi \@autodottrue\fi
2671 \ifx #1\adadi \@autodottrue\fi
2672 \ifx #1\tartibi \@autodottrue\fi
2673 \ifx #1\Alph \@autodottrue\fi
2674 \ifx #1\alph \@autodottrue\fi
2675 \ifx #1\Roman \@autodottrue\fi
2676 \ifx #1\roman \@autodottrue\fi
2677 \ifx #1\@harfi \@autodottrue\fi
2678 \ifx #1\@adadi \@autodottrue\fi
2679 \ifx #1\@tartibi \@autodottrue\fi
2680 \ifx #1\@Alph \@autodottrue\fi
2681 \ifx #1\@alph \@autodottrue\fi
2682 \ifx #1\@Roman \@autodottrue\fi
2683 \ifx #1\@roman \@autodottrue\fi
2684 \ifx #1\romannumeral \@autodottrue\fi
2685 \fi
2686 \@@maybeautodot
2687 }

```

54 File soul-xepersian.def

```

2688 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2689 \let\SOUL@tt@latin\SOUL@tt
2690 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2691 \def\SOUL@tt{%
2692 \if@nonlatin
2693 \SOUL@tt@nonlatin
2694 \else
2695 \SOUL@tt@latin
2696 \fi
2697 }
2698 \bidi@appto\resetlatinfont{%
2699 \setbox\z@\hbox{\SOUL@tt-}%
2700 \SOUL@ttwidth\wd\z@
2701 }
2702 \bidi@appto\setpersianfont{%
2703 \setbox\z@\hbox{\SOUL@tt-}%
2704 \SOUL@ttwidth\wd\z@
2705 }

```

55 File tikz.code-xepersian.def

```

2706 \ProvidesFile{tikz.code-xepersian.def}[2018/12/11 v0.1 adaptations for tikz.code.tex file]
2707 \bidi@patchcmd\tikz@finish{%
2708 \beginngroup

```



```

2709 \tikz@options
2710 }{%
2711 \beginingroup
2712 \@@textdigitfont@onfalse
2713 \tikz@options
2714 }{}{}

```

56 File tkz-linknodes-xepersian.def

```

2715 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2716 \renewcommand*{\@SetTab}{%
2717 \let\@alph\@latinalph%
2718 \ifnum \value{C@NumTab}>25\relax%
2719 \setcounter{C@NumTab}{1}%
2720 \else%
2721 \stepcounter{C@NumTab}%
2722 \fi%
2723 \setcounter{C@NumGroup}{0}%
2724 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2725 \setboolean{B@FirstLink}{true}
2726 \setboolean{B@NewGroup}{false}
2727 \setcounter{C@NumGroup}{0}
2728 \setcounter{C@CurrentGroup}{0}
2729 \setcounter{NumC@Node}{0}
2730 \setcounter{NumC@Stop}{0}
2731 \setcounter{C@NextNode}{0}
2732 \setcounter{C@CurrentStop}{0}
2733 \setcounter{C@CurrentNode}{0}
2734 }%

```

57 File tocloft-xepersian.def

```

2735 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2736 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2737 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2738 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2739 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2740 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2741 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2742 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2743 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2744 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2745 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

58 File varioref-xepersian.def

```

2746 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2747 \def\reftextfaceafter{%
2748 \if@RTL
2749

```



```

2750 \reftextvario{ }{ }%
2751 \else
2752   on the \reftextvario{facing}{next} page%
2753 \fi
2754 }
2755 \def\reftextfacebefore{%
2756 \if@RTL
2757
2758 \reftextvario{ }{ }%
2759 \else
2760   on the \reftextvario{facing}{preceding} page%
2761 \fi
2762 }
2763 \def\reftextafter{%
2764 \if@RTL
2765
2766 \reftextvario{ }{ }%
2767 \else
2768   on the \reftextvario{following}{next} page%
2769 \fi
2770 }
2771 \def\reftextbefore{%
2772 \if@RTL
2773
2774 \reftextvario{ }{ }%
2775 \else
2776   on the \reftextvario{preceding}{previous} page%
2777 \fi
2778 }
2779 \def\reftextcurrent{%
2780 \if@RTL
2781
2782 \reftextvario{ }{ }%
2783 \else
2784   on \reftextvario{this}{the current} page%
2785 \fi
2786 }
2787 \def\reftextfaraway#1{%
2788 \if@RTL
2789 %
2790 ~\pageref{#1}%
2791 \else
2792   on page~\pageref{#1}%
2793 \fi
2794 }
2795 \def\reftextpagerange#1#2{%
2796 \if@RTL
2797 %
2798 ~\pageref{#1}--\pageref{#2}%
2799 \else

```



```

2800   on pages~\pageref{#1}--\pageref{#2}%
2801   \fi
2802 }
2803 \def\reftextlabelrange#1#2{%
2804   \if@RTL
2805     \ref{#1} %ref{#2}\~
2806   \else
2807     \ref{#1} to~\ref{#2}%
2808   \fi
2809 }

```

59 File xepersian.sty

```

2810 \NeedsTeXFormat{LaTeX2e}
2811 \def\xepersian@version{22.4}
2812 \def\xepersiandate{2018/12/14}
2813 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2814 Persian typesetting in XeLaTeX]
2815 \RequirePackage{fontspec}
2816 \RequirePackage{xepersian-persiancal}
2817 \RequirePackage{xepersian-mathsdigitspec}
2818 \RequirePackage{bidi}
2819 \edef\x@xepersian@info{*****~J%
2820 * ~J%
2821 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2822 * ~J%
2823 * Description: The package supports Persian~J%
2824 * typesetting, using fonts provided in the~J%
2825 * distribution.~J%
2826 * ~J%
2827 * Copyright (c) 2008--2018 Vafa Khalighi~J%
2828 * ~J%
2829 * v\xepersian@version, \xepersiandate~J%
2830 * ~J%
2831 * License: LaTeX Project Public License, version~J%
2832 * 1.3c or higher (your choice)~J%
2833 * ~J%
2834 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2835 * ~J%
2836 * Issue tracker: https://github.com/persiantex/xepersian/issues~J%
2837 * ~J%
2838 *****}
2839 \typeout{\x@xepersian@info}
2840 \edef\xepersian@everyjob{\the\everyjob}
2841 \everyjob{\xepersian@everyjob\typeout{\x@xepersian@info}}
2842 \newcommand*\xepersianversion{
2843   {\ensuremath\xepersian@version}
2844 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2845   \ifdim\xepersian@version pt > #1 pt %
2846     \expandafter\@firstoftwo

```



```

2847 \else
2848 \expandafter\@secondoftwo
2849 \fi}
2850 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2851 \ifdim\xepersian@version pt < #1 pt %
2852 \expandafter\@firstoftwo
2853 \else
2854 \expandafter\@secondoftwo
2855 \fi}
2856 \newcommand*\IfxepersianPackageVersion}[1]{%
2857 \ifdim\xepersian@version pt = #1 pt %
2858 \expandafter\@firstoftwo
2859 \else
2860 \expandafter\@secondoftwo
2861 \fi}
2862 \def\prq{«}
2863 \def\plq{»}
2864 \def\xepersian@cmds@temp#1{%
2865 \begingroup\expandafter\expandafter\expandafter\endgroup
2866 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2867 \begingroup
2868 \escapechar=-1 %
2869 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2870 \def\y{#1}%
2871 \def\z##1->{}%
2872 \edef\y{\expandafter\z\meaning\y}%
2873 \expandafter\endgroup
2874 \ifx\x\y
2875 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2876 \expandafter{%
2877 \csname#1\endcsname
2878 }%
2879 \fi
2880 \fi
2881 }%
2882 \xepersian@cmds@temp{shellescape}
2883 \newif\ifwritexviii
2884 \ifnum\xepersian@shellescape=1\relax
2885 \writexviii true
2886 \else
2887 \writexviii false
2888 \fi
2889 \newfontscript{Persian}{arab}
2890 \newfontlanguage{Persian}{FAR}
2891 \ExplSyntaxOn
2892
2893 \keys_define:nn {fontspec-opentype}
2894 {
2895 Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text} }
2896 Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },

```




```

2897 }
2898
2899 \keys_define:nn {fontspec-aat}
2900 {
2901   Ligatures / PersianTeX .code:n =
2902   {
2903     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
2904   }
2905 }
2906
2907 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2908 {
2909   \__xepersian_main_settextfont:nn {#1,#3} {#2}
2910   \ignorespaces
2911 }
2912 \cs_new:Nn \__xepersian_main_settextfont:nn
2913 {
2914   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {Script=Persian,Ligatures=Persi
2915   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
2916   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2917   {
2918     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2919     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
2920     \exp_not:N \selectfont
2921   }
2922 }
2923 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2924 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2925 \__xepersian_settextfont_hook:nn {#1} {#2}
2926 \normalfont
2927 }
2928
2929 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
2930
2931 \DeclareDocumentCommand \settextdigitfont { 0{} m 0{} }
2932 {
2933   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2934   \ignorespaces
2935 }
2936 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
2937 {
2938   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Script=Persian,Ligatures=Per
2939   \use:x
2940   {
2941     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2942     {
2943       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
2944       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2945       \exp_not:N \selectfont
2946     }

```



```

2947 }
2948 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
2949 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2950 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
2951 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2952 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
2953 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
2954 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharClass}
2955 \if@bidi@csundef{xepersian@D}{\%
2956 \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2957 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
2958 \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2959 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
2960 \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2961 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
2962 \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2963 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
2964 \XeTeXinterchartoks \xepersian@H \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2965 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@H = {\xepersian@@stop@switch@textdigitfont}
2966 }
2967 }
2968
2969 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin\
2970 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin\i
2971
2972 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
2973
2974 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
2975 {
2976 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2977 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
2978 \ignorespaces
2979 }
2980
2981
2982 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
2983 {
2984 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
2985 \ignorespaces
2986 }
2987 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
2988 {
2989 \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
2990 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2991 {
2992 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2993 \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
2994 \exp_not:N \selectfont
2995 }
2996 }

```



```

2997 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2998 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2999 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3000 \normalfont
3001 }
3002
3003 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3004
3005 \tl_set_eq:NN \setlatinsansfont \setsansfont
3006 \tl_set_eq:NN \setlatinmonofont \setmonofont
3007
3008 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3009 {
3010   \__xepersian_main_defpersianfont:nnnN {#1} {#2,#4} {#3}
3011   \NewDocumentCommand
3012 }
3013 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3014 {
3015   \__xepersian_main_defpersianfont:nnnN {#1} {#2,#4} {#3}
3016   \RenewDocumentCommand
3017 }
3018 \cs_new:Nn \__xepersian_main_defpersianfont:nnnN
3019 {
3020   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Script=Persian,Ligatures=TeX}
3021   \use:x
3022   {
3023     \exp_not:N #4 \exp_not:N #1 {}
3024     {
3025       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl} }
3026       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3027       \exp_not:N \selectfont
3028     }
3029   }
3030 }
3031
3032 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3033 {
3034   \__xepersian_main_deflatinfont:nnnN {#1} {#2,#4} {#3}
3035   \NewDocumentCommand
3036 }
3037 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3038 {
3039   \__xepersian_main_deflatinfont:nnnN {#1} {#2,#4} {#3}
3040   \RenewDocumentCommand
3041 }
3042 \cs_new:Nn \__xepersian_main_deflatinfont:nnnN
3043 {
3044   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3045   \use:x
3046   {

```



```

3047 \exp_not:N #4 \exp_not:N #1 {}
3048 {
3049 \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3050 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3051 \exp_not:N \selectfont
3052 }
3053 }
3054 }
3055
3056 \newcommand\persiansfdefault{}
3057 \newcommand\persianttdefault{}
3058 \newcommand\iranicsfdefault{}
3059 \newcommand\navarsfdefault{}
3060 \newcommand\pooksfdefault{}
3061 \newcommand\sayehsfdefault{}
3062 \DeclareRobustCommand\persiansffamily
3063     {\not@math@alphabet\persiansffamily\mathpersiansf
3064     \fontfamily\persiansfdefault\selectfont}
3065 \DeclareRobustCommand\persianttfamily
3066     {\not@math@alphabet\persianttfamily\mathpersiantt
3067     \fontfamily\persianttdefault\selectfont}
3068 \DeclareRobustCommand\iranicfamily
3069     {\not@math@alphabet\iranicfamily\mathiranicsf
3070     \fontfamily\iranicsfdefault\selectfont}
3071 \DeclareRobustCommand\navarfamilysf
3072     {\not@math@alphabet\navarfamilysf\mathnavarsf
3073     \fontfamily\navarsfdefault\selectfont}
3074 \DeclareRobustCommand\pookfamilysf
3075     {\not@math@alphabet\pookfamilysf\mathpooksf
3076     \fontfamily\pooksfdefault\selectfont}
3077 \DeclareRobustCommand\sayehsfamilysf
3078     {\not@math@alphabet\sayehsfamilysf\mathsayehsf
3079     \fontfamily\sayehsfdefault\selectfont}
3080 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3081 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3082 \DeclareTextFontCommand{\textiranicsf}{\iranicsfdefault}
3083 \DeclareTextFontCommand{\textnavarsf}{\navarfamilysf}
3084 \DeclareTextFontCommand{\textpooksf}{\pookfamilysf}
3085 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamilysf}
3086
3087 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3088 {
3089 \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3090 \ignorespaces
3091 }
3092 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3093 {
3094 \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {Script=Persian,Ligatures=P
3095 \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3096 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }

```



```

3097 {
3098   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3099   \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3100   \exp_not:N \selectfont
3101 }
3102 }
3103 \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
3104 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3105 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3106 \normalfont
3107 }
3108
3109 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3110
3111 \DeclareDocumentCommand \setpersianmonofont { O{} m O{} }
3112 {
3113   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3114   \ignorespaces
3115 }
3116 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3117 {
3118   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {Script=Persian,Ligatures=P
3119   \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
3120   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3121     {
3122       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3123       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3124       \exp_not:N \selectfont
3125     }
3126   }
3127   \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
3128   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3129   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3130   \normalfont
3131 }
3132
3133 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3134
3135 \DeclareDocumentCommand \setnavarfont { O{} m O{} }
3136 {
3137   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3138   \ignorespaces
3139 }
3140 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3141 {
3142   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {Script=Persian,Ligatures=Persi
3143   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3144   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3145     {
3146       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3147 \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3148 \exp_not:N \selectfont
3149 }
3150 }
3151 \str_if_eq_x:nnT {\familydefault} {\navardefault}
3152 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3153 \__xepersian_setnavarfont_hook:nn {#1} {#2}
3154 \normalfont
3155 }
3156
3157 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3158
3159 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3160 {
3161   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3162   \ignorespaces
3163 }
3164 \cs_new:Nn \__xepersian_main_setpookfont:nn
3165 {
3166   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {Script=Persian,Ligatures=Persia
3167   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3168   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3169   {
3170     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3171     \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3172     \exp_not:N \selectfont
3173   }
3174 }
3175 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
3176 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3177 \__xepersian_setpookfont_hook:nn {#1} {#2}
3178 \normalfont
3179 }
3180
3181 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3182
3183 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3184 {
3185   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3186   \ignorespaces
3187 }
3188 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3189 {
3190   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {Script=Persian,Ligatures=Persi
3191   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3192   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3193   {
3194     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3195     \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3196     \exp_not:N \selectfont

```



```

3197   }
3198   }
3199   \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
3200   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3201   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3202   \normalfont
3203   }
3204
3205   \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3206
3207   \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3208   {
3209     \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3210     \ignorespaces
3211   }
3212   \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3213   {
3214     \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {Script=Persian,Ligatures=Pers
3215     \tl_set_eq:NN \iraniconfont \l__xepersian_iranicfamily_family_tl
3216     \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3217     {
3218       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3219       \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
3220       \exp_not:N \selectfont
3221     }
3222   }
3223   \str_if_eq_x:nnT {\familydefault} {\iraniconfont}
3224   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3225   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3226   \normalfont
3227   }
3228
3229   \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3230
3231   \ExplSyntaxOff
3232   \def\resetlatinfont{%
3233     \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3234     \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3235     \def\xepersian@@fontsize@scale{%
3236       \strip@pt\dimexpr 1pt * \dimexpr
3237       \xepersian@@latin@fontsize@scale pt\relax
3238       / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3239     }%
3240     \def\xepersian@@baselineskip@scale{%
3241       \strip@pt\dimexpr 1pt * \dimexpr
3242       \xepersian@@latin@baselineskip@scale pt\relax
3243       / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3244     }%
3245     \@nonlatinfalse%
3246     \let\normalfont\latinfont%

```



```

3247 \let\reset@font\normalfont%
3248 \latinfont%
3249 \fontsize\fontsize\font@size\font@baselineskip%
3250 \selectfont%
3251 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3252 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3253 }
3254 \def\setpersianfont{%
3255 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3256 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3257 \let\xepersian@@fontsize@scale\one%
3258 \let\xepersian@@baselineskip@scale\one%
3259 \@nonlatintrue%
3260 \let\normalfont\persianfont%
3261 \let\reset@font\normalfont%
3262 \persianfont%
3263 \fontsize\fontsize\font@size\font@baselineskip%
3264 \selectfont%
3265 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3266 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3267 }
3268 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3269 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3270 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3271 \def\endlatin{\endLTR}
3272 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3273 \def\endpersian{\endRTL}
3274 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{latinitems}}
3275 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{persianitems}}
3276 \let\originaltoday=\today
3277 \def\latintoday{\lr{\originaltoday}}
3278 \def\today{\rl{\persiantoday}}
3279 \def \@LTRmarginparreset {%
3280     \reset@font
3281     \resetlatinfont
3282     \normalsize
3283     \@minipagetrue
3284     \everypar{\@minipagefalse\everypar{}\beginL}%
3285 }
3286 \DeclareRobustCommand\Latincite{%
3287     \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
3288 \def\@Latincitex[#1]#2{\leavevmode
3289     \let\@citea\@empty
3290     \@cite{\lr{\@for\@citeb:=#2\do
3291         {\@citea\def\@citea{\penalty\@m\ }%
3292         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3293         \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3294         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3295         \G@refundefinedtrue
3296         \@latex@warning

```




```

3297         {Citation ` \@citeb' on page \thepage \space undefined}}%
3298         {\@citeofmt{\csname b@\@citeb\endcsname}}}{#1}}
3299
3300 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3301
3302 \newif\if@xepersian@@computeautoilg
3303 \newcount\xepersian@tcl
3304 \newdimen\xepersian@ilg
3305 \newdimen\xepersian@strutilg
3306 \chardef\f@ur=4
3307 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3308 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3309 \loop
3310 \iffontchar\font\xepersian@tcl
3311 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
3312 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3313 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3314 \fi
3315 \else
3316 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
3317 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3318 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3319 \fi
3320 \fi
3321 \fi
3322 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
3323 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3324 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3325 \fi
3326 \else
3327 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
3328 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3329 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3330 \fi
3331 \fi
3332 \fi
3333 \fi
3334 \advance\xepersian@tcl\@ne
3335 \ifnum\xepersian@tcl<1792\repeat
3336 \advance\xepersian@strutilg\xepersian@ilg
3337 % \ifdim\xepersian@strutilg>\baselineskip
3338 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3339 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3340 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3341 % \selectfont
3342 % \fi
3343 }
3344
3345 \newif\if@textdigitfont@on
3346

```



```

3347 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3348 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3349
3350 \TextDigitFontOn
3351
3352 \newcommand*\xepersian@setlength[4]{%
3353   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3354   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3355   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3356   \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3357   \else
3358   \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3359   \fi
3360   \else
3361   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3362   \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3363   \else
3364   \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3365   \fi
3366   \fi
3367   \else
3368   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3369   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3370   \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3371   \else
3372   \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3373   \fi
3374   \else
3375   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3376   \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3377   \else
3378   \setlength{#1}{#2 \@plus#3 \@minus#4}%
3379   \fi
3380   \fi
3381   \fi
3382 }
3383
3384 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3385   \@defaultunits\@tempdima#2pt\relax\@nnil
3386   \setlength{\@tempdimc}{\@tempdima}%
3387   \addtolength{\@tempdimc}{-10\p@}%
3388   \edef\@ptsize{\strip@pt\@tempdimc}%
3389   \@defaultunits\@tempdimb#1pt\relax\@nnil
3390   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3391   \edef\@tempb{\the\@tempdimc}%
3392   \setlength{\@tempdimc}{\@tempdima}%
3393   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3394   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3395   \xepersian@setlength{\abovedisplayskip}%
3396   {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%

```



```

3397 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3398 \xepersian@setlength{\belowdisplayskip}{%
3399     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3400 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3401 \edef\normalsize{%
3402     \noexpand\@setfontsize\noexpand\normalsize
3403     {\the\@tempdima}{\the\@tempdimb}%
3404     \abovedisplayskip \the\abovedisplayskip
3405     \abovedisplayshortskip \the\abovedisplayshortskip
3406     \belowdisplayskip \the\belowdisplayskip
3407     \belowdisplayshortskip \the\belowdisplayshortskip
3408     \let\noexpand\@listi\noexpand\@listI
3409 }%
3410 \setlength{\@tempdima}{0.9125\@tempdimc}%
3411 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3412 \xepersian@setlength{\abovedisplayskip}{%
3413     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3414 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3415 \xepersian@setlength{\belowdisplayskip}{%
3416     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3417 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3418 \edef\small{%
3419     \noexpand\@setfontsize\noexpand\small
3420     {\the\@tempdima}{\the\@tempdimb}%
3421     \abovedisplayskip \the\abovedisplayskip
3422     \abovedisplayshortskip \the\abovedisplayshortskip
3423     \belowdisplayskip \the\belowdisplayskip
3424     \belowdisplayshortskip \the\belowdisplayshortskip
3425     \let\noexpand\@listi\noexpand\@listi@small
3426 }%
3427 \setlength{\@tempdima}{.83334\@tempdimc}%
3428 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3429 \xepersian@setlength{\abovedisplayskip}{%
3430     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3431 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3432 \xepersian@setlength{\belowdisplayskip}{%
3433     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3434 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3435 \edef\footnotesize{%
3436     \noexpand\@setfontsize\noexpand\footnotesize
3437     {\the\@tempdima}{\the\@tempdimb}%
3438     \abovedisplayskip \the\abovedisplayskip
3439     \abovedisplayshortskip \the\abovedisplayshortskip
3440     \belowdisplayskip \the\belowdisplayskip
3441     \belowdisplayshortskip \the\belowdisplayshortskip
3442     \let\noexpand\@listi\noexpand\@listi@footnotesize
3443 }%
3444 \setlength{\@tempdima}{.66667\@tempdimc}%
3445 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3446 \edef\scriptsize{%

```



```

3447 \noexpand\@setfontsize\noexpand\scriptsize
3448 {\the\@tempdima}{\the\@tempdimb}%
3449 }%
3450 \setlength{\@tempdima}{.5\@tempdimc}%
3451 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3452 \edef\tiny{%
3453 \noexpand\@setfontsize\noexpand\tiny
3454 {\the\@tempdima}{\the\@tempdimb}%
3455 }%
3456 \setlength{\@tempdima}{1.2\@tempdimc}%
3457 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3458 \edef\large{%
3459 \noexpand\@setfontsize\noexpand\large
3460 {\the\@tempdima}{\the\@tempdimb}%
3461 }%
3462 \setlength{\@tempdima}{1.44\@tempdimc}%
3463 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3464 \edef\Large{%
3465 \noexpand\@setfontsize\noexpand\Large
3466 {\the\@tempdima}{\the\@tempdimb}%
3467 }%
3468 \setlength{\@tempdima}{1.728\@tempdimc}%
3469 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3470 \edef\LARGE{%
3471 \noexpand\@setfontsize\noexpand\LARGE
3472 {\the\@tempdima}{\the\@tempdimb}%
3473 }%
3474 \setlength{\@tempdima}{2.074\@tempdimc}%
3475 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3476 \edef\huge{%
3477 \noexpand\@setfontsize\noexpand\huge
3478 {\the\@tempdima}{\the\@tempdimb}%
3479 }%
3480 \setlength{\@tempdima}{2.488\@tempdimc}%
3481 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3482 \edef\Huge{%
3483 \noexpand\@setfontsize\noexpand\Huge
3484 {\the\@tempdima}{\the\@tempdimb}%
3485 }%
3486 \normalsize
3487 \setlength{\@tempdimb}{\f@baselineskip}%
3488 \xepersian@setlength{\parsep}%
3489 {\.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3490 \xepersian@setlength{\topsep}%
3491 {\.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3492 \@tempwafalse
3493 \begingroup
3494 \def\@list@extra{\aftergroup\@tempwattrue}%
3495 \csname @listi\endcsname
3496 \endgroup

```



```

3497 \edef\@listi{\leftmargin\leftmargini
3498 \topsep \the\topsep
3499 \parsep \the\parsep
3500 \itemsep \parsep
3501 \if@tempswa\noexpand\@list@extra\fi
3502 }%
3503 \let\@listI\@listi
3504 \xepersian@setlength{\parsep}%
3505     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3506 \xepersian@setlength{\topsep}%
3507     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3508 \@tempwafalse
3509 \begingroup
3510 \def\@list@extra{\aftergroup\@tempwattrue}%
3511 \csname @listi\endcsname
3512 \endgroup
3513 \edef\@listi@small{\leftmargin\leftmargini
3514 \topsep \the\topsep
3515 \parsep \the\parsep
3516 \itemsep \parsep
3517 \if@tempswa\noexpand\@list@extra\fi
3518 }%
3519 \xepersian@setlength{\parsep}%
3520     {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3521 \xepersian@setlength{\topsep}%
3522     {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
3523 \@tempwafalse
3524 \begingroup
3525 \def\@list@extra{\aftergroup\@tempwattrue}%
3526 \csname @listi\endcsname
3527 \endgroup
3528 \edef\@listi@footnotesize{\leftmargin\leftmargini
3529 \topsep \the\topsep
3530 \parsep \the\parsep
3531 \itemsep \parsep
3532 \if@tempswa\noexpand\@list@extra\fi
3533 }%
3534 \xepersian@setlength{\parsep}%
3535     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3536 \xepersian@setlength{\topsep}%
3537     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3538 \@tempwafalse
3539 \begingroup
3540 \def\@list@extra{\aftergroup\@tempwattrue}%
3541 \csname @listii\endcsname
3542 \endgroup
3543 \edef\@listii{\leftmargin\leftmarginii
3544 \labelwidth=\dimexpr \leftmargin-\labelsep
3545 \topsep \the\topsep
3546 \parsep \the\parsep

```



```

3547 \itemsep \parsep
3548 \if@tempswa\noexpand\@list@extra\fi
3549 }%
3550 \xepersian@setlength{\topsep}%
3551         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3552 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3553 \@tempwafalse
3554 \begingroup
3555 \def\@list@extra{\aftergroup\@tempwattrue}%
3556 \csname @listiii\endcsname
3557 \endgroup
3558 \edef\@listiii{\leftmargin\leftmarginiii
3559 \labelwidth=\dimexpr \leftmargin-\labelsep
3560 \topsep \the\topsep
3561 \parsep \z@
3562 \partopsep \the\partopsep
3563 \itemsep \topsep
3564 \if@tempswa\noexpand\@list@extra\fi
3565 }%
3566 \@tempwafalse
3567 \begingroup
3568 \def\@list@extra{\aftergroup\@tempwattrue}%
3569 \csname @listiv\endcsname
3570 \endgroup
3571 \edef\@listiv{\leftmargin\leftmarginiv
3572 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3573 \if@tempswa\noexpand\@list@extra\fi
3574 }%
3575 \@tempwafalse
3576 \begingroup
3577 \def\@list@extra{\aftergroup\@tempwattrue}%
3578 \csname @listv\endcsname
3579 \endgroup
3580 \edef\@listv{\leftmargin\leftmarginv
3581 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3582 \if@tempswa\noexpand\@list@extra\fi
3583 }%
3584 \@tempwafalse
3585 \begingroup
3586 \def\@list@extra{\aftergroup\@tempwattrue}%
3587 \csname @listvi\endcsname
3588 \endgroup
3589 \edef\@listvi{\leftmargin\leftmarginvi
3590 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3591 \if@tempswa\noexpand\@list@extra\fi
3592 }%
3593 \@listi
3594 \setlength{\@tempdimb}{\f@baselineskip}%
3595 \setlength{\footnotesep}{.555\@tempdimb}%
3596 \xepersian@setlength{\skip\footins}%

```



```

3597         {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3598 \xepersian@setlength{\floatsep}%
3599         {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3600 \xepersian@setlength{\textfloatsep}%
3601         {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3602 \setlength{\intextsep}{\floatsep}%
3603 \setlength{\dblfloatsep}{\floatsep}%
3604 \setlength{\dbltextfloatsep}{\textfloatsep}%
3605 \setlength{\@fptop}{\z@ \@plus 1fil}%
3606 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3607 \setlength{\@fpbot}{\@fptop}%
3608 \setlength{\@dblfpbot}{\@fptop}%
3609 \setlength{\@dblfpsep}{\@fpsep}%
3610 \setlength{\@dblfpbot}{\@fpbot}%
3611 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3612 }
3613
3614 \renewcommand*{\@bidi@logo@}{%
3615   \@bidi@logo@hb@xt@columnwidth
3616   {\hss\bfseries
3617
3618   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3619
3620 \renewcommand*{\@bidi@pdfcreator}{%
3621   The xepersian package, v\xepersian@version, \xepersian@date
3622 }
3623
3624 \newcommand*{\@xepersian@pdfcustomproperties}{%
3625   This is the xepersian package, Version \xepersian@version,
3626   Released December 14, 2018.
3627 }
3628
3629 \newcommand\twocolumnstableofcontents{%
3630 \if@bidi@csundef{multi@column@out}{%
3631 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3632 \begin{multicols}{2}[\section*{\contentsname}]%
3633   \small
3634   \@starttoc{toc}%
3635 \end{multicols}}%
3636 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3637   \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3638 \def\figurename{\if@RTL else\ Figure\fi}
3639 \def\tablename{\if@RTL else\ Table\fi}
3640 \def\contentsname{\if@RTL else\ Contents\fi}
3641 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3642 \def\listtablename{\if@RTL else\ List of Tables\fi}
3643 \def\appendixname{\if@RTL else\ Appendix\fi}
3644 \def\indexname{\if@RTL else\ Index\fi}
3645 \def\refname{\if@RTL else\ References\fi}
3646 \def\abstractname{\if@RTL else\ Abstract\fi}

```



```

3647 \def\partname{\if@RTL else\ Part\fi}
3648 \def\datename{\if@RTL else\ Date:\fi}
3649 \def\@and{\if@RTL else\ and\fi}
3650 \def\bibName{\if@RTL else\ Bibliography\fi}
3651 \def\chaptername{\if@RTL else\ Chapter\fi}
3652 \def\ccname{\if@RTL else\ cc\fi}
3653 \def\enclname{\if@RTL else\ encl\fi}
3654 \def\pagename{\if@RTL else\ Page\fi}
3655 \def\headtoname{\if@RTL else\ To\fi}
3656 \def\proofname{\if@RTL else\ Proof\fi}
3657 \def\@Abjad#1{%
3658 \ifcase#1\or or\ or\ or\ or\ %
3659 \or or\ or\ or\ or\ or\ %
3660 \or or\ or\ or\ or\ or\ %
3661 \or or\ or\ or\ or\ or\ %
3662 \or or\ or\ or\ or\ or\ %
3663 \or or\ or\ or\ or\ or\ %
3664 \else\@ctrerr\fi}
3665 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3666 \let\Abjadnumeral\@Abjad
3667 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
3668 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3669 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3670 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3671 \let\harfinumeral\@harfi
3672 \newcommand{\adadi}[1]{%
3673 \expandafter\@adadi\csname c@#1\endcsname%
3674 }
3675 \newcommand{\@adadi}[1]{%
3676 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3677 }
3678 \let\adadinumeral\@adadi%
3679 \def\xepersian@numberoutofrange#1#2{%
3680 \PackageError{xepersian}{The number `#1' is too large %
3681 to be formatted using xepersian}{The largest possible %
3682 number is 999,999,999.}%
3683 }
3684 \def\xepersian@numberstring#1#2#3#4{%
3685 \ifnum\number#1<\@ne%
3686 #3%
3687 \else\ifnum\number#1<1000000000 %
3688 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3689 \else%
3690 \xepersian@numberoutofrange{#1}{#4}%
3691 \fi\fi%
3692 }
3693 \def\xepersian@adadi#1#2{%
3694 \expandafter\xepersian@@adadi%
3695 \ifcase%
3696 \ifnum#1<10 1%

```




```

3697 \else\ifnum#1<100 2%
3698 \else\ifnum#1<\@m 3%
3699 \else\ifnum#1<\@M 4%
3700 \else\ifnum#1<100000 5%
3701 \else\ifnum#1<1000000 6%
3702 \else\ifnum#1<10000000 7%
3703 \else\ifnum#1<100000000 8%
3704 \else9%
3705 \fi\fi\fi\fi\fi\fi\fi\fi %
3706 \or00000000#1% case 1: Add 8 leading zeros
3707 \or0000000#1% case 2: Add 7 leading zeros
3708 \or000000#1% case 3: Add 6 leading zeros
3709 \or00000#1% case 4: Add 5 leading zeros
3710 \or0000#1% case 5: Add 4 leading zeros
3711 \or000#1% case 6: Add 3 leading zeros
3712 \or00#1% case 7: Add 2 leading zeros
3713 \or0#1% case 8: Add 1 leading zero
3714 \or#1% case 9: Add no leading zeros
3715 \or%
3716 \@nil#2%
3717 \fi%
3718 }
3719 \def\xepersian@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3720 \ifnum#1#2#3>\z@
3721 \xepersian@milyoongan#1#2#3%
3722 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3723 \fi%
3724 \ifnum#4#5#6>\z@%
3725 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3726 \ifnum#4#5#6>\@ne\fi%
3727 %
3728 \ifnum#7>\z@\ \fi%
3729 \fi%
3730 \xepersian@sadgan#7{#4#5#6}1#9%
3731 }
3732 \def\xepersian@milyoongan#1#2#3{%
3733 \ifnum#1#2#3=\@ne%
3734 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3735 %
3736 %
3737 \else%
3738 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3739 %
3740 %
3741 \fi%
3742 }
3743 \def\xepersian@sadgan#1#2#3#4#5#6{%
3744 \ifnum#1>\z@%
3745 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3746 %

```



```

3747 \ifnum#2#3>\z@ \fi%
3748 \fi%
3749 \ifnum#2#3<20%
3750 \ifnum#5#2#3>\one#6{#2#3}\fi%
3751 \else%
3752 \xepersian@dahgan#2%
3753 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3754 #60%
3755 \fi%
3756 }
3757 \def\xepersian@yekani#1{%
3758 \ifcase#1\@empty\or or\ or\ or\ or\ %
3759 \or or\ or\ or\ or\ or\ %
3760 \or or\ or\ %
3761 \or or\ %fi\
3762 }
3763 \def\xepersian@yekanii#1{%
3764 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3765 }
3766 \def\xepersian@yekaniii#1{%
3767 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3768 }
3769 \def\xepersian@yeکانiv#1{%
3770 \ifcase#1\@empty\or\or or\ or\ or\ %
3771 \or or\ or\ %fi\
3772 }
3773 \def\xepersian@dahgan#1{%
3774 \ifcase#1\or\or or\ or\ %
3775 \or or\ or\ %
3776 \or %fi\
3777 }
3778 \newcommand{\tartibi}[1]{%
3779 \expandafter \@tartibi\csname c@#1\endcsname%
3780 }
3781 \newcommand{@tartibi}[1]{%
3782 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{}%
3783 }
3784 \let\tartibinumeral\@tartibi%
3785 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3786 \ifnum\number#1<\@ne%
3787 #3%
3788 \else\ifnum\number#1<1000000000 %
3789 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3790 \else%
3791 \xepersian@numberoutofrange{#1}{#4}%
3792 \fi\fi%
3793 }
3794 \def\xepersian@adadi@tartibi#1#2{%
3795 \expandafter\xepersian@@adadi@tartibi%
3796 \ifcase%

```



```

3797 \ifnum#1<10 1%
3798 \else\ifnum#1<100 2%
3799 \else\ifnum#1<\@m 3%
3800 \else\ifnum#1<\@M 4%
3801 \else\ifnum#1<100000 5%
3802 \else\ifnum#1<1000000 6%
3803 \else\ifnum#1<10000000 7%
3804 \else\ifnum#1<100000000 8%
3805 \else9%
3806 \fi\fi\fi\fi\fi\fi\fi %
3807 \or00000000#1% case 1: Add 8 leading zeros
3808 \or0000000#1% case 2: Add 7 leading zeros
3809 \or000000#1% case 3: Add 6 leading zeros
3810 \or00000#1% case 4: Add 5 leading zeros
3811 \or0000#1% case 5: Add 4 leading zeros
3812 \or000#1% case 6: Add 3 leading zeros
3813 \or00#1% case 7: Add 2 leading zeros
3814 \or0#1% case 8: Add 1 leading zero
3815 \or#1% case 9: Add no leading zeros
3816 \or%
3817 \@nil#2%
3818 \fi%
3819 }
3820 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3821 \ifnum#1#2#3>\z@
3822 \xepersian@milyoongan@tartibi#1#2#3%
3823 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3824 \fi%
3825 \ifnum#4#5#6>\z@%
3826 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3827 \ifnum#4#5#6>\@ne \fi%
3828 %
3829 \ifnum#7>\z@\ \fi%
3830 \fi%
3831 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3832 }
3833 \def\xepersian@milyoongan@tartibi#1#2#3{%
3834 \ifnum#1#2#3=\@ne%
3835 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3836 %
3837 %
3838 \else%
3839 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3840 %
3841 %
3842 \fi%
3843 }
3844 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3845 \ifnum#1>\z@%
3846 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%

```



```

3847 %
3848 \ifnum#2#3>\z@ \fi%
3849 \fi%
3850 \ifnum#2#3<20%
3851 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3852 \else%
3853 \ifnum#2#3=30%
3854 \xepersian@dahgan@tartibi#2%
3855 \else%
3856 \xepersian@dahgan#2%
3857 \fi%
3858 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3859 #60%
3860 \fi%
3861 }
3862 \def\xepersian@dahgan@tartibi#1{%
3863 \ifcase#1\or\or or\ or\ %
3864 \or or\ or\ or\ %
3865 \or %fi\
3866 }
3867 \def\xepersian@tartibi#1{%
3868 \ifcase#1\or or\ or\ or\ %
3869 \or or\ or\ or\ or\ %
3870 \or or\ or\ or\ %
3871 \or or\ or\ %
3872 \or or\ or\ %fi\
3873 }
3874 \def\xepersian@yekanv#1{%
3875 \ifcase#1\@empty\or or\ or\ or\ or\ or\ or\ %
3876 \or or\ or\ or\ or\ or\ or\ %
3877 \or or\ or\ or\ %
3878 \or or\ %fi\
3879 }
3880 \providecommand*\xpg@warning}[1]{%
3881 \PackageWarning{XePersian}%
3882 {#1}}
3883 \if@bidi@csundef{@abjad}{%
3884 \def\@abjad#1{%
3885 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3886 \else
3887 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3888 \else
3889 \ifnum#1<10\expandafter\abj@num@i\number#1%
3890 \else
3891 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3892 \else
3893 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3894 \else
3895 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3896 \fi

```



```

3897         \fi
3898     \fi
3899 \fi
3900 \fi
3901 \fi
3902 }
3903 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3904 \let\abjadnumeral\@abjad
3905 \def\abjad@zero{}
3906 \def\abj@num@i#1{%
3907     \ifcase#1\or or\ or\ or\ %
3908         \or or\ or\ or\ or\ fi\
3909     \ifnum#1=z@\abjad@zero\fi}
3910 \def\abj@num@ii#1{%
3911     \ifcase#1\or or\ or\ or\ or\ %
3912         \or or\ or\ or\ fi\
3913     \ifnum#1=z@\fi\abj@num@i}
3914 \def\abj@num@iii#1{%
3915     \ifcase#1\or or\ or\ or\ or\ %
3916         \or or\ or\ or\ fi\
3917     \ifnum#1=z@\fi\abj@num@ii}
3918 \def\abj@num@iv#1{%
3919     \ifcase#1\or fi\
3920     \ifnum#1=z@\fi\abj@num@iii}
3921 }{}
3922 \let\@latinalph\@alph%
3923 \let\@latinAlph\@Alph%
3924 \def\LatinAlphs{%
3925     \let\@alph\@latinalph%
3926     \let\@Alph\@latinAlph%
3927 }
3928 \def\thempfootnote{\{ \itshape\@latinalph\c@mpfootnote}}
3929 \renewcommand*{\bidi@thebibliography@font@hook}{%
3930 \if@LTRbibitems
3931     \resetlatinfont
3932 \fi}
3933 \bidi@AfterEndPreamble{%
3934 \if@bidi@csundef{persianfont}{%
3935 \PackageError{xepersian}{You have not specified any font\MessageBreak
3936 for the main Persian text}{Use '\settextfont' to load a font.}%
3937 }{}
3938 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3939 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3940 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3941 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3942 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3943 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3944 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3945 \@ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
3946 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}

```



```

3947 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3948 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3949 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3950 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3951 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3952 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3953 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3954 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3955 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3956 \@ifpackageloaded{tikz}{\input{tikz.code-xepersian.def}}{}
3957 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3958 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}{}}
3959 \@ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
3960 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3961 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3962 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3963 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3964 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3965 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3966 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3967 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3968 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3969 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3970 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3971 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3972 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3973 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3974 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3975 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3976 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3977 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3978 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3979 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3980 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3981 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3982 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3983
3984 \def\xepersian@fontsize@branch#1{%
3985   \@tempcnta\z@
3986   \@for\xepersian@tmp:=#1\do{%
3987     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
3988     \ifcase\@tempcnta\relax% cnta == 0
3989       \edef\xepersian@value{\xepersian@frag}%
3990       \setfontsize{\xepersian@frag}%
3991     \or% cnta == 1
3992       \setfontsize[\xepersian@frag]{\xepersian@value}%
3993     \else\fi
3994     \advance\@tempcnta\@ne}%
3995 }
3996

```



```

3997
3998 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3999 \ifcase\xepersian@tempb\relax
4000 \AutoMathsDigits
4001 \or
4002 \DefaultMathsDigits
4003 \or
4004 \PersianMathsDigits
4005 \fi}
4006 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4007 \ifcase\xepersian@tempb\relax
4008 \AutoInlineMathsDigits
4009 \or
4010 \DefaultInlineMathsDigits
4011 \or
4012 \PersianInlineMathsDigits
4013 \fi}
4014 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4015 \ifcase\xepersian@tempb\relax
4016 \AutoDisplayMathsDigits
4017 \or
4018 \DefaultDisplayMathsDigits
4019 \or
4020 \PersianDisplayMathsDigits
4021 \fi}
4022 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4023 \ifcase\xepersian@tempb\relax
4024 \@RTLtrue
4025 \or
4026 \@RTLfalse
4027 \fi}
4028
4029 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4030 \ifcase\xepersian@tempb\relax
4031 \@RTLtrue
4032 \or
4033 \@RTLfalse
4034 \fi}
4035
4036
4037 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4038 \ifcase\xepersian@tempb\relax
4039 \@RTLtabtrue
4040 \or
4041 \@RTLtabfalse
4042 \fi}
4043
4044 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[latin]
4045 \ifcase\xepersian@tempb\relax
4046 \@nonlatinfalse

```



```

4047 \or
4048 \nonlatintrue
4049 \fi}
4050
4051 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4052 \ifcase\xepersian@tempb\relax
4053 \RTLtrue
4054 \or
4055 \RTLfalse
4056 \fi}
4057 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left,
4058 \ifcase\xepersian@tempb\relax
4059 \autofootnoterule
4060 \or
4061 \leftfootnoterule
4062 \or
4063 \rightfootnoterule
4064 \or
4065 \SplitFootnoteRule
4066 \or
4067 \textwidthfootnoterule
4068 \fi}
4069 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,
4070 \ifcase\xepersian@tempb\relax
4071 \RTL@footnotetrue
4072 \or
4073 \RTL@footnotefalse
4074 \fi}
4075 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4076 \ifcase\xepersian@tempb\relax
4077 \footdir@debugtrue
4078 \or
4079 \footdir@debugfalse
4080 \fi}
4081 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4082 \ifcase\xepersian@tempb\relax
4083 \input{kashida-xepersian.def}
4084 \fi}
4085 \define@choicekey{xepersian.sty}{KashidaXBFix}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4086 \ifcase\xepersian@tempb\relax
4087 \@Kashida@XB@fixtrue
4088 \or
4089 \@Kashida@XB@fixfalse
4090 \fi}
4091 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4092 \ifcase\xepersian@tempb\relax
4093 \input{localise-xepersian.def}
4094 \fi}
4095 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4096 \ifcase\xepersian@tempb\relax

```




```

4097 \extrafootnotefeaturestrue
4098 \or
4099 \extrafootnotefeaturesfalse
4100 \fi}
4101 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4102 \ifcase\xepersian@tempb\relax
4103 \PackageWarning{xepersian}{Obsolete option}%
4104 \ifwritexviii%
4105 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
4106 \renewcommand\printindex{\newpage%
4107 \immediate\closeout\@indexfile
4108 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
4109 \@input@{\jobname.ind}}}%
4110 \else
4111 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
4112 \fi
4113 \fi}
4114 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
4115 \ifcase\xepersian@tempb\relax
4116 \ifwritexviii%
4117 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
4118 \renewcommand\printindex{\newpage%
4119 \immediate\closeout\@indexfile
4120 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
4121 \@input@{\jobname.ind}}}%
4122 \else
4123 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4124 \fi
4125 \fi}
4126 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
4127 \ifcase\xepersian@tempb\relax
4128 \ifwritexviii%
4129 \ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
4130 \renewcommand\printindex{\newpage%
4131 \immediate\closeout\@indexfile
4132 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4133 \@input@{\jobname.ind}}}%
4134 \else
4135 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4136 \fi
4137 \fi}
4138 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4139 \ifcase\xepersian@tempb\relax
4140 \def\PersianAlphs{%
4141 \let\@alph\@abjad%
4142 \let\@Alph\@abjad%
4143 }
4144 \or
4145 \def\PersianAlphs{%
4146 \let\@alph\@Abjad%

```



```

4147 \let\@Alpha\@Abjad%
4148 }
4149 \fi}
4150 \DeclareOptionX{defaultlatinfontfeatures}{%
4151 \defaultfontfeatures
4152 [\latinfont]
4153 {#1}
4154 }
4155
4156 \DeclareOptionX{mathfontsizescale}{%
4157 \def\xepersian@@math@fontsize@scale{#1}%
4158 }
4159
4160 \DeclareOptionX{fontsizescale}{%
4161 \def\xepersian@@@fontsize@scale{#1}%
4162 }
4163
4164 \DeclareOptionX{fontsize}{%
4165 \xepersian@@@fontsize@branch{#1}%
4166 }
4167
4168 \DeclareOptionX{latinfontsizescale}{%
4169 \def\xepersian@@@latin@fontsize@scale{#1}%
4170 }
4171
4172 \DeclareOptionX{baselineskipscale}{%
4173 \def\xepersian@@@baselineskip@scale{#1}%
4174 }
4175
4176 \DeclareOptionX{latinbaselineskipscale}{%
4177 \def\xepersian@@@latin@baselineskip@scale{#1}%
4178 }
4179
4180 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4181 \ifcase\xepersian@tempb\relax
4182 \AtBeginDocument{\@bidi@inslogo@}%
4183 \or
4184 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4185 \fi}
4186
4187 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4188 \ifcase\xepersian@tempb\relax
4189 \@bidi@pdfm@marktrue
4190 \or
4191 \@bidi@pdfm@markfalse
4192 \fi}
4193
4194 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4195 \ifcase\xepersian@tempb\relax
4196 \@xepersian@@computeautoilgtrue

```



```

4197 \or
4198 \xepersian@@computeautoilgfalse
4199 \fi}
4200
4201 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4202 \ifcase\xepersian@tempb\relax
4203 \def\bidi@firstcolumn@status@write{%
4204 \protected@write\@auxout{}%
4205 {\string\bidi@column@status
4206 {1}}}%
4207 \def\bidi@lastcolumn@status@write{%
4208 \protected@write\@auxout{}%
4209 {\string\bidi@column@status{2}}}%
4210 \or
4211 \let\bidi@firstcolumn@status@write\relax
4212 \let\bidi@lastcolumn@status@write\relax
4213 \fi}
4214
4215
4216 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4217 \ifcase\xepersian@tempb\relax
4218 \bidi@AtEndPreamble{%
4219 \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4220 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4221 }
4222 \or
4223 \relax
4224 \fi}
4225
4226 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4227 \ifcase\xepersian@tempb\relax
4228 \@bidi@perpage@footnotetrue
4229 \or
4230 \@bidi@perpage@footnotefalse
4231 \fi}
4232
4233 \ExplSyntaxOn
4234 \bool_new:N \l__xepersian_fontsloadable_bool
4235 \define@choicekey{xepersian.sty}{fontsloadable}[\xepersian@tempa\xepersian@tempb]{true,false}[true]{%
4236 \ifcase\xepersian@tempb\relax
4237 \bool_set_true:N \l__xepersian_fontsloadable_bool
4238 \or
4239 \bool_set_false:N \l__xepersian_fontsloadable_bool
4240 \fi}
4241 \ExplSyntaxOff
4242
4243 \ExecuteOptionsX{%
4244 fontsloadable=false,
4245 documentdirection=righttoleft,
4246 tabledirection=righttoleft,

```



```

4247 script=nonlatin,
4248 footnotedirection=righttoleft,
4249 footnoterule=automatic,
4250 abjadvariant=two,
4251 DetectColumn=off,
4252 fontsizescale=\@ne,
4253 latinfontsizescale=\@ne,
4254 mathfontsizescale=\@ne,
4255 baselineskip scale=\@ne,
4256 latinbaselineskip scale=\@ne
4257 }
4258
4259 \ProcessOptionsX
4260
4261 \if@extrafootnote features
4262   \input{extrafootnote features-xetex-bidi.def}%
4263   \input{extrafootnote features-xepersian.def}%
4264 \fi
4265
4266 \ExplSyntaxOn
4267 \bool_if:NF \l__xepersian_fontsloadable_bool
4268 {
4269   \input{fontspec-xepersian.def}%
4270 }
4271 \ExplSyntaxOff
4272
4273 \bidi@patchcmd{\set@font size}{\@tempdimb#2pt}{%
4274   \@tempdimb\xepersian@@font size@scale\dimexpr#2pt\relax
4275 }{}{}
4276
4277 \bidi@patchcmd{\set@font size}{\@tempkipa#3pt}{%
4278   \@tempkipa\xepersian@@baseline skip@scale\dimexpr#3pt\relax
4279 }{}{}
4280
4281
4282 \newcommand*{\xepersian@@update@math@font size}[1]{%
4283   \strip@pt\dimexpr\xepersian@@math@font size@scale
4284   \dimexpr 1pt * \dimexpr #1 pt\relax /
4285   \dimexpr \xepersian@@font size@scale pt\relax
4286   \relax\relax
4287 }
4288
4289 \bidi@patchcmd{\getanddefine@font s}{%
4290   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4291 }{%
4292   \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\tf@size\endcsname}%
4293 }{}{}
4294
4295 \bidi@patchcmd{\getanddefine@font s}{%
4296   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%

```



```

4297 }{%
4298 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4299 }{}{}
4300
4301 \bidi@patchcmd{\getanddefine@fonts}{%
4302 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4303 }{%
4304 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4305 }{}{}
4306
4307
4308 \if\xepersian@@computeautoilg
4309 \bidi@patchcmd{\set@fontsize}{%
4310 \baselineskip\font@baselineskip\relax
4311 }{%
4312 \baselineskip\font@baselineskip\relax
4313 \xepersian@computeautoilg
4314 \ifdim\xepersian@strutilg>\baselineskip
4315 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found
4316 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4317 \baselineskip\xepersian@strutilg
4318 \ifdim\footnotesep=.7\baselineskip
4319 \else
4320 \footnotesep=.7\baselineskip
4321 \fi
4322 \fi
4323 }{}{}
4324 \fi
4325
4326 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicF
4327 \PersianAlphs

```

60 File xepersian-magazine.cls

```

4328 \NeedsTeXFormat{LaTeX2e}
4329 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4330 \RequirePackage{ifthen}
4331 \newlength{\xepersian@imgsize}
4332 \newlength{\xepersian@coltitsize}
4333 \newlength{\xepersian@pageneed}
4334 \newlength{\xepersian@pageleft}
4335 \newlength{\xepersian@indexwidth}
4336 \newcommand{\xepersian@ncolumns}{0}
4337 \newlength{\columnlines}
4338 \setlength{\columnlines}{0 pt} % no lines by default
4339 \newboolean{xepersian@hyphenatedtitles}
4340 \setboolean{xepersian@hyphenatedtitles}{true}
4341 \newboolean{xepersian@ninepoints}
4342 \setboolean{xepersian@ninepoints}{false}
4343 \newboolean{xepersian@showgrid}

```



```

4344 \setboolean{xepersian@showgrid}{false}
4345 \newboolean{xepersian@a3paper}
4346 \setboolean{xepersian@a3paper}{false}
4347 \newboolean{xepersian@insidefrontpage}
4348 \setboolean{xepersian@insidefrontpage}{false}
4349 \newboolean{xepersian@insideweather}
4350 \setboolean{xepersian@insideweather}{false}
4351 \newboolean{xepersian@insideindex}
4352 \setboolean{xepersian@insideindex}{false}
4353 \newcount\xepersian@gridrows
4354 \newcount\xepersian@gridcolumns
4355 \xepersian@gridrows=40
4356 \xepersian@gridcolumns=50
4357 \newcount\minraggedcols
4358 \minraggedcols=5
4359 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4360 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4361 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4362 \DeclareOption{twocolumn}%
4363 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4364 \DeclareOption{notitlepage}%
4365 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4366 \DeclareOption{twoside}%
4367 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4368 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4369 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4370 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4371 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4372 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4373 \ProcessOptions\relax
4374 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4375 \RequirePackage{ifxetex}
4376 \RequirePackage{multido}
4377 \RequirePackage{datetime}
4378 \RequirePackage{multicol}
4379 \RequirePackage{fancyhdr}
4380 \RequirePackage{fancybox}
4381 \ifthenelse{\boolean{xepersian@a3paper}}{%
4382 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4383 }{
4384 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4385 }
4386 \RequirePackage[absolute]{textpos} % absolute positioning
4387 \RequirePackage{hyphenat} % when hyphenate
4388 \RequirePackage{lastpage} % to know the last page number
4389 \RequirePackage{setspace} % set space between lines
4390 \RequirePackage{ragged2e}
4391 \newcommand{\raggedFormat}{\RaggedLeft}
4392 \AtEndOfClass{\xepersianInit}
4393 \ifthenelse{\boolean{xepersian@showgrid}}{%

```



```

4394 \AtBeginDocument{
4395 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4396 \advance\minraggedcols by -1
4397 }{%
4398 \AtBeginDocument{
4399 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4400 \advance\minraggedcols by -1
4401 }
4402 \ifthenelse{\boolean{xepersian@ninepoints}}{
4403 \renewcommand{\normalsize}{%
4404 \setfontsize{\normalsize}{9pt}{10pt}%
4405 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4406 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4407 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4408 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4409
4410 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4411
4412 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4413
4414 \renewcommand{\small}{%
4415 \setfontsize{\small}{8pt}{9pt}%
4416 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4417 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4418 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4419 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4420
4421 \renewcommand{\footnotesize}{%
4422 \setfontsize{\footnotesize}{8pt}{9pt}%
4423 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4424 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4425 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4426 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4427
4428 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4429 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4430 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4431 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4432 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4433 }{}
4434 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4435 \newcommand{\xepersian@wwwFormat}{\sffamily}
4436 \newcommand{\xepersian@www}{%
4437 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4438 }
4439 \newcommand{\xepersian@edition}{
4440 \newcommand{\editionFormat}{\large\bfseries\texttt}
4441 \newcommand{\xepersian@editionLogo}{%
4442 \raisebox{-3pt}{%
4443 {\editionFormat\xepersian@edition}%

```



```

4444 }%
4445 }
4446 \newcommand{\indexFormat}{\large\bfseries}
4447 \newcommand{\xepersian@indexFrameTitle}[1]
4448 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4449
4450 \newcommand{\indexEntryFormat}{\normalsize}
4451 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4452 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4453 \end{minipage}}
4454 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4455 \newcommand{\indexEntryPageTxt}{ }
4456 \newcommand{\indexEntryPageFormat}{\footnotesize}
4457 \newcommand{\xepersian@indexEntryPage}[1]{%
4458 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4459 }
4460 \newcommand{\headDateTimeFormat}{}
4461 \newcommand{\xepersian@headDateTime}{%
4462 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4463 \currenttime %
4464 }
4465 \newcommand{\weatherFormat}{\bfseries}
4466 \newcommand{\xepersian@weather}[1]{%
4467 \noindent{\weatherFormat #1}%
4468 }
4469 \newcommand{\weatherTempFormat}{\small}
4470 \newcommand{\weatherUnits}{\textdegree{C}}
4471 \newcommand{\xepersian@section}[0]{ {
4472 \newcommand{\xepersian@headleft}{%
4473 {\small\bfseries \@custommagazinename} \date
4474 }
4475 \newcommand{\xepersian@headcenter}{%
4476 \xepersian@section{}
4477 }
4478 \newcommand{\xepersian@headright}{%
4479 \small\xepersian@edition%
4480 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4481 }
4482
4483 \newcommand{\heading}[3]{%
4484 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4485 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4486 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4487 }
4488 \newcommand{\xepersian@footright}{%
4489 {\footnotesize\lr{\copyright \@customwwwTxt}}-- - \lr{\XePersian}}%
4490 }
4491 \newcommand{\xepersian@footcenter}{%
4492 }
4493 \newcommand{\xepersian@footleft}{%

```




```

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

```



```

4544 }
4545 \newcommand{\thirdSubtitleFormat}{\large}
4546 \newcommand{\xepersian@thirdSubtitle}[1]{%
4547 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4548 \newcommand{\thirdTextFormat}{}
4549 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4550 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4551 \newcommand{\xepersian@pictureCaption}[1]{%
4552 {\noindent\pictureCaptionFormat #1}}
4553 }
4554 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4555 \newcommand{\xepersian@pages}[1]{%
4556 {\noindent\pagesFormat\MakeUppercase{#1}}}
4557 \newcommand{\innerTitleFormat}{\Huge}
4558 \newcommand{\xepersian@innerTitle}[1]{%
4559 \begin{flushright}{%
4560 \noindent
4561 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4562 {\nohyphens{\innerTitleFormat #1}}%
4563 {\innerTitleFormat #1}}%
4564 }%
4565 \\%
4566 \end{flushright}}%
4567 }
4568 \newcommand{\innerSubtitleFormat}{\large}
4569 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4570 \newcommand{\timestampTxt}{}
4571 \newcommand{\timestampSeparator}{|}
4572 \newcommand{\timestampFormat}{\small}
4573 \newcommand{\timestamp}[1]{%
4574 {\timestampFormat%
4575 #1~\timestampTxt}%
4576 }~\timestampSeparator}%
4577 }
4578 \newcommand{\innerAuthorFormat}{\footnotesize}
4579 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4580 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4581 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4582 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4583 \newcommand{\editorialAuthorFormat}{\textsc}
4584 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4585 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4586 \newcommand{\shortarticleSubtitleFormat}{\Large}
4587 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4588 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4589 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4590 \renewcommand{\maketitle}{\begin{titlepage}%
4591 \let\footnotesize\small
4592 \let\footnoterule\relax
4593 \let\footnote\thanks

```



```

4594 \null\vfil
4595 \vskip 60\p@
4596 \begin{center}%
4597   {\LARGE \@title \par}%
4598   \vskip 1em%
4599   {\LARGE «\xepersian@edition» \par}%
4600   \vskip 3em%
4601   {\large
4602     \lineskip .75em%
4603     \begin{tabular}[t]{c}%
4604       \@author
4605     \end{tabular}\par}%
4606     \vskip 1.5em%
4607     {\large \@date \par}%
4608 \end{center}\par
4609 \@thanks
4610 \vfil\null
4611 \end{titlepage}%
4612 \setcounter{footnote}{0}%
4613 \global\let\thanks\relax
4614 \global\let\maketitle\relax
4615 \global\let\@thanks\@empty
4616 \global\let\@author\@empty
4617 \global\let\@date\@empty
4618 \global\let\@title\@empty
4619 \global\let\title\relax
4620 \global\let\author\relax
4621 \global\let\date\relax
4622 \global\let\and\relax
4623 }
4624 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4625 \newsavebox{\xepersian@fmbox}
4626 \newenvironment{xepersian@fmpage}[1]
4627   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4628   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4629 \newcommand{\image}[2]{
4630   \vspace{5pt}
4631   \setlength{\fboxsep}{1pt}
4632   \addtolength{\xepersian@imgsize}{\columnwidth}
4633   \addtolength{\xepersian@imgsize}{-1\columnsep}
4634   \ifxetex
4635     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4636     \addtolength{\xepersian@pageneed}{50pt}
4637     \ClassWarning{xepersian-magazine}{%
4638       Image #1 needs: \the\xepersian@pageneed \space %
4639       and there is left: \the\page@free\space%
4640     }
4641     \ifdim \xepersian@pageneed < \page@free
4642
4643     {\centering\fbox{%

```



```

4644 \includegraphics[width = \xepersian@imgsize,
4645 height = \xepersian@imgsize,
4646 keepaspectratio ]{#1}}
4647 \xepersian@pictureCaption{#2}
4648
4649 \vspace{5pt}
4650 \else
4651 \ClassWarning{Image #1 needs more space!%
4652   It was not inserted!}
4653 \fi
4654 \fi
4655 }
4656 \textblockorigin{1cm}{1cm}
4657 \newdimen\xepersian@dx
4658 \newdimen\xepersian@dy
4659 \newcount\xepersian@cx
4660 \newcount\xepersian@cy
4661 \newcommand{\grid}[3][ ]{
4662   \xepersian@dx=\textwidth%
4663   \xepersian@dy=\textheight%
4664   \xepersian@cx=#3% %columns
4665   \xepersian@cy=#2% %rows
4666
4667   \count1=#3%
4668   \advance\count1 by 1
4669
4670   \count2=#2%
4671   \advance\count2 by 1
4672
4673   \divide\xepersian@dx by #3
4674   \divide\xepersian@dy by #2
4675
4676   \setlength{\TPHorizModule}{\xepersian@dx}
4677   \setlength{\TPVertModule}{\xepersian@dy}
4678
4679   \ifthenelse{\equal{#1}{show}}{
4680     \multido{\xepersian@nrow=0+1}{\count2}{
4681       \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4682       \rule[0pt]{\textwidth}{.1pt}
4683       \end{textblock}
4684     }
4685
4686     \multido{\xepersian@ncol=0+1}{\count1}{
4687       \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4688       \rule[0pt]{.1pt}{\textheight}
4689       \end{textblock}
4690     }
4691   }{}
4692 }
4693 \newcommand{\xepersianInit}{

```



```

4694 \setlength{\headheight}{14pt}
4695 \renewcommand{\headrulewidth}{0.4pt}
4696
4697 \pagestyle{fancy}
4698
4699 \setlength{\columnseprule}{\columnlines}
4700 \setlength{\fboxrule}{0.1 pt}
4701
4702 }
4703
4704 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4705 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4706 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4707 \newcommand{\logo}[0]{
4708 %% Heading %%
4709 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4710
4711 \vspace*{-3pt}
4712
4713 {\Large\bfseries \@customlogo}
4714 \hrulefill
4715 \hspace{10pt}\xepersian@headDateTime
4716
4717 }
4718 \newcommand{\minilogo}[0]{
4719 {\large\bfseries \@customminilogo}
4720
4721 \vspace*{5pt}
4722 }
4723 \newcommand{\mylogo}[1]{
4724 {\beginR#1\endR}
4725
4726 \noindent
4727 \xepersian@editionLogo\hspace{5pt}
4728 \hrulefill
4729 \hspace{5pt}\xepersian@headDateTime
4730 }
4731 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4732 \newenvironment{frontpage}[0]
4733 {
4734 \setboolean{xepersian@insidefrontpage}{true}
4735 \thispagestyle{empty}
4736 \logo
4737
4738 }%
4739 {
4740 \thispagestyle{empty}
4741 \clearpage
4742 \newpage
4743 \fancyhead{}

```



```

4744 \fancyfoot{}
4745 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4746 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4747 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4748 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4749 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4750 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4751 \renewcommand{\headrulewidth}{0.4pt}
4752 \setboolean{xepersian@insidefrontpage}{false}
4753
4754 }
4755 \newcommand{\firstarticle}[3]
4756 {
4757 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4758 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4759 \begin{textblock}{24}(22,5)
4760 }
4761 {
4762 \begin{textblock}{28}(22,5)
4763 }
4764 \vspace{-7pt}
4765 \xepersian@firstTitle{#1}
4766 \end{textblock}
4767 \begin{textblock}{29}(22,10)
4768 \vspace{5pt plus 2pt minus 2pt}
4769
4770 \xepersian@firstText{\timestamp{#3}~#2}
4771
4772 \end{textblock}
4773
4774 \begin{textblock}{50}(0,15)
4775 \rule{50\TPHorizModule}{.3pt}
4776 \end{textblock}
4777 }{%else
4778 \ClassError{xepersian-magazine}{%
4779 \protect\firstarticle\space in a wrong place.\MessageBreak
4780 \protect\firstarticle\space may only appear inside frontpage environment.
4781 }{%
4782 \protect\firstarticle\space may only appear inside frontpage environment.
4783 }%
4784 }
4785 }
4786 \newcommand{\secondarticle}[5]
4787 {
4788 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4789 \begin{textblock}{33}(2,16)
4790 \xepersian@pages{#4}
4791 \vspace{-5pt}
4792 \xepersian@secondTitle{#1}
4793

```



```

4794 \vspace*{5pt}
4795
4796 \xepersian@secondSubtitle{#2}
4797
4798 \vspace*{-7pt}
4799
4800 \xepersian@secondText{\timestamp{#5}~#3}
4801
4802 \end{textblock}
4803
4804 \begin{textblock}{33}(2,25)
4805 \vspace{5pt plus 2pt minus 2pt}
4806
4807 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4808 \end{textblock}
4809 }{%else
4810 \ClassError{xepersian-magazine}{%
4811 \protect\secondarticle\space in a wrong place.\MessageBreak
4812 \protect\secondarticle\space may only appear inside frontpage environment.
4813 }{%
4814 \protect\secondarticle\space may only appear inside frontpage environment.
4815 }%
4816 }
4817 }
4818 \newcommand{\thirdarticle}[6]
4819 {
4820 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4821 \begin{textblock}{32}(2,26)
4822 \xepersian@pages{#5}
4823 \vspace{-5pt}
4824 \setlength{\fboxsep}{1pt}
4825 \xepersian@thirdTitle{#1}
4826
4827 \vspace*{5pt}
4828
4829 \xepersian@thirdSubtitle{#2}
4830
4831 \vspace*{5pt}
4832
4833 {\noindent\ignorespaces %
4834 \ifthenelse{\equal{#4}{}}{}
4835
4836 \xepersian@thirdText{\timestamp{#6}~#3}
4837
4838 }
4839
4840 \vspace*{5pt}
4841
4842 \end{textblock}
4843 }{%else

```



```

4844 \ClassError{xepersian-magazine}{%
4845 \protect\thirdarticle\space in a wrong place.\MessageBreak
4846 \protect\thirdarticle\space may only appear inside frontpage environment.
4847 }{%
4848 \protect\thirdarticle\space may only appear inside frontpage environment.
4849 }%
4850 }
4851 }
4852 \newcommand{\firstimage}[2]
4853 {
4854 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4855 \begin{textblock}{18}(2,5)
4856 \setlength{\fboxsep}{1pt}
4857 \ifxetex % only in PDF
4858 \noindent\fbbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4859 \fi
4860
4861 \xepersian@pictureCaption{#2}
4862 \end{textblock}%
4863 }
4864 {\ClassError{xepersian-magazine}{%
4865 \protect\firstimage\space in a wrong place.\MessageBreak
4866 \protect\firstimage\space may only appear inside frontpage environment.
4867 }{%
4868 \protect\firstimage\space may only appear inside frontpage environment.
4869 }}
4870 }%
4871 \newcommand{\weatheritem}[5]{%
4872 \ifthenelse{\boolean{xepersian@insideweather}}{
4873 \begin{minipage}{45pt}
4874 \ifxetex
4875 \includegraphics[width=40pt]{#1}
4876 \fi
4877 \end{minipage}
4878 \begin{minipage}{50pt}
4879 \weatherTempFormat
4880 #2\\
4881 \beginL#3 $| $ #4 \lr{\weatherUnits{}}\endL\\
4882 #5
4883 \end{minipage}
4884 }{%else
4885 \ClassError{xepersian-magazine}{%
4886 \protect\weatheritem\space in a wrong place.\MessageBreak
4887 \protect\weatheritem\space may only appear inside weatherblock environment.
4888 }{%
4889 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4890 weatherblock environment may only appear inside frontpage environment.
4891 }%
4892 }
4893 }

```




```

4894 \newenvironment{weatherblock}[1]
4895 {
4896 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4897 \setboolean{xepersian@insideweather}{true}
4898 \begin{textblock}{32}(2,38)
4899 \vspace*{-15pt}
4900
4901 \xepersian@weather{\beginR#1\endR}
4902
4903 \vspace*{5pt}
4904
4905 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4906 \begin{minipage}{32\TPHorizModule}
4907 \hspace{5pt}
4908
4909 }{%
4910 \ClassError{xepersian-magazine}{%
4911 weatherblock in a wrong place.\MessageBreak
4912 weatherblock may only appear inside frontpage environment.
4913 }{%
4914 weatherblock may only appear inside frontpage environment.
4915 }
4916 }
4917 }%
4918 {
4919 \end{minipage}
4920 \end{xepersian@fmpage}
4921 \end{textblock}
4922 \setboolean{xepersian@insideweather}{false}
4923 }
4924 \newenvironment{authorblock}[0]
4925 {
4926 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4927 \begin{textblock}{15}(36,35)
4928 \setlength{\fboxsep}{5pt}
4929 \begin{xepersian@fmpage}{13\TPHorizModule}
4930 \begin{minipage}{13\TPHorizModule}
4931 \centering
4932 \minilogo
4933
4934 }{%else
4935 \ClassError{xepersian-magazine}{%
4936 authorblock in a wrong place.\MessageBreak
4937 authorblock may only appear inside frontpage environment.
4938 }{%
4939 authorblock may only appear inside frontpage environment.
4940 }
4941 }
4942 }
4943 {

```



```

4944 \end{minipage}
4945 \end{xepersian@fmpage}
4946 \end{textblock}
4947 }
4948 \newenvironment{indexblock}[1]
4949 {
4950 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4951 \setboolean{xepersian@insideindex}{true}%let's in
4952 \begin{textblock}{15}(36,16)
4953 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4954 \xepersian@indexFrameTitle{#1}
4955
4956 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
4957 \begin{xepersian@fmpage}{xepersian@indexwidth}
4958 \begin{minipage}{xepersian@indexwidth}
4959 \vspace*{10pt}
4960 }{%else
4961 \ClassError{xepersian-magazine}{%
4962 indexblock in a wrong place.\MessageBreak
4963 indexblock may only appear inside frontpage environment.
4964 }{%
4965 indexblock may only appear inside frontpage environment.
4966 }
4967 }
4968 }%
4969 {
4970 \end{minipage}
4971 \end{xepersian@fmpage}
4972 \end{textblock}
4973 \setboolean{xepersian@insideindex}{false}%let's out
4974 }
4975 \newcommand{\indexitem}[2]
4976 {
4977 \ifthenelse{\boolean{xepersian@insideindex}}{
4978 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4979
4980 \vspace{0.5cm}
4981
4982 \noindent\ignorespaces\indexEntrySeparator{}
4983 }{%else
4984 \ClassError{xepersian-magazine}{%
4985 \protect\indexitem\space in a wrong place.\MessageBreak
4986 \protect\indexitem\space may only appear inside indexblock environment.
4987 }{%
4988 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4989 indexblock environment may only appear inside frontpage environment.
4990 }%
4991 }
4992 }
4993 \newcommand{\xepersian@inexpandedtitle}[1]{

```



```

4994 \begin{minipage}{.95\textwidth}
4995 \begin{center}
4996 \noindent\Large\textbf{\beginR#1\endR}
4997 \end{center}
4998 \end{minipage}
4999 }
5000 \newcommand{\expandedtitle}[2]{
5001 \end{multicols}
5002
5003 \begin{center}
5004 \setlength{\fboxsep}{5pt}
5005 \setlength{\shadowsize}{2pt}
5006 \ifthenelse{\equal{#1}{shadowbox}}{%
5007 \shadowbox{%
5008 \xepersian@inexpandedtitle{#2}%
5009 }%
5010 }{}
5011 \ifthenelse{\equal{#1}{doublebox}}{%
5012 \doublebox{%
5013 \xepersian@inexpandedtitle{#2}%
5014 }%
5015 }{}
5016 \ifthenelse{\equal{#1}{ovalbox}}{%
5017 \ovalbox{%
5018 \xepersian@inexpandedtitle{#2}%
5019 }%
5020 }{}
5021 \ifthenelse{\equal{#1}{ovalbox}}{%
5022 \ovalbox{%
5023 \xepersian@inexpandedtitle{#2}%
5024 }%
5025 }{}
5026 \ifthenelse{\equal{#1}{lines}}{
5027 \hrule
5028 \vspace*{8pt}
5029 \begin{center}
5030 \noindent\Large\textbf{#2}
5031 \end{center}
5032 \vspace*{8pt}
5033 \hrule
5034 }{}
5035 \end{center}
5036
5037 \begin{multicols}{\xepersian@ncolumns}
5038 \ifnum \xepersian@ncolumns > \minraggedcols
5039 \raggedFormat
5040 \fi
5041 }
5042 \newcommand{\xepersian@incolumntitle}[2]{
5043 \begin{minipage}{#1}

```



```

5044 \begin{center}
5045 \noindent\normalsize\textbf{#2}
5046 \end{center}
5047 \end{minipage}
5048 }
5049
5050 \newcommand{\columntitle}[2]{
5051 \vspace*{5pt}
5052 \begin{center}
5053 \setlength{\fboxsep}{5pt}
5054 \setlength{\shadowsize}{2pt}
5055 \addtolength{\xepersian@coltitsize}{\columnwidth}
5056 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5057 \addtolength{\xepersian@coltitsize}{-5pt}
5058 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5059 \ifthenelse{\equal{#1}{shadowbox}}{%
5060 \shadowbox{%
5061 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5062 }%
5063 }{}
5064 \ifthenelse{\equal{#1}{doublebox}}{%
5065 \doublebox{%
5066 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5067 }%
5068 }{}
5069 \ifthenelse{\equal{#1}{ovalbox}}{%
5070 \ovalbox{%
5071 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5072 }%
5073 }{}
5074 \ifthenelse{\equal{#1}{ovalbox}}{%
5075 \ovalbox{%
5076 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5077 }%
5078 }{}
5079 \ifthenelse{\equal{#1}{lines}}{
5080 \hrule
5081 \vspace*{5pt}
5082 \begin{center}
5083 \noindent\normalsize\textbf{#2}
5084 \end{center}
5085 \vspace*{5pt}
5086 \hrule
5087 }{}
5088 \end{center}
5089 }
5090 \renewcommand{\date}{%
5091 \longdate{\today}%
5092 }
5093 \newcommand{\authorandplace}[2]{%

```



```

5094 \rightline{%
5095 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5096 }%
5097 \par %
5098 }
5099 \newcommand{\newsection}[1]{
5100 \renewcommand{\xepersian@section}{#1}
5101 }
5102 \newenvironment{article}[5]
5103 {
5104 \xepersian@say{Adding a new piece of article}
5105 \renewcommand{\xepersian@ncolumns}{#1}
5106 \begin{multicols}{#1}[
5107 \xepersian@pages{#4}
5108 \xepersian@innerTitle{#2}%
5109 \xepersian@innerSubtitle{#3}%
5110 ] [4cm]%
5111 \label{#5}
5112 \ifnum #1 > \minraggedcols
5113 \raggedFormat
5114 \fi
5115 }
5116 {\sim\innerTextFinalMark{}
5117 \end{multicols}
5118 }
5119 \newcommand{\articlesep}{%
5120 \setlength{\xepersian@pageneed}{16000pt}
5121 \setlength\xepersian@pageleft{\pagegoal}
5122 \addtolength\xepersian@pageleft{-\pagetotal}
5123
5124 \xepersian@say{How much left \the\xepersian@pageleft}
5125
5126 \ifdim \xepersian@pageneed < \xepersian@pageleft
5127 \xepersian@say{Not enough space}
5128 \else
5129 \xepersian@say{Adding sep line between articles}
5130 \vspace*{10pt plus 10pt minus 5pt}
5131 \hrule
5132 \vspace*{10pt plus 5pt minus 5pt}
5133 \fi
5134
5135 }
5136 \newcommand{\xepersian@editorialTit}[2]{
5137 \setlength{\arrayrulewidth}{.1pt}
5138 \begin{center}
5139 \begin{tabular}{c}
5140 \noindent
5141 \xepersian@editorialTitle{#1}
5142 \vspace{2pt plus 1pt minus 1pt}
5143 \\

```



```

5144 \hline
5145 \vspace{2pt plus 1pt minus 1pt}
5146 \\
5147 \editorialAuthorFormat{#2}
5148 \end{tabular}
5149 \end{center}
5150 }
5151 \newenvironment{editorial}[4]
5152 {
5153 \xepersian@say{Adding a new editorial}
5154 \begin{multicols}{#1}[%
5155 \xepersian@editorialTit{#2}{#3}%
5156 ] [4cm]
5157 \label{#4}
5158 \ifnum #1 > \minraggedcols
5159 \raggedFormat
5160 \fi
5161 }
5162 {
5163 \end{multicols}
5164 }
5165 \newcommand{\xepersian@shortarticleTit}[2]{
5166 \begin{center}
5167 \vbox{%
5168 \noindent
5169 \xepersian@shortarticleTitle{#1}
5170 \vspace{4pt plus 2pt minus 2pt}
5171 \hrule
5172 \vspace{4pt plus 2pt minus 2pt}
5173 \xepersian@shortarticleSubtitle{#2}
5174 }
5175 \end{center}
5176 }
5177 \newenvironment{shortarticle}[4]
5178 {
5179 \xepersian@say{Adding a short article block}
5180 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5181 \label{#4}
5182 \par %
5183 \ifnum #1 > \minraggedcols
5184 \raggedFormat
5185 \fi
5186 }
5187 {
5188 \end{multicols}
5189 }
5190 \newcommand{\shortarticleitem}[2]{
5191 \goodbreak
5192 \vspace{5pt plus 3pt minus 3pt}
5193 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}

```



```

5194 \vspace{5pt plus 3pt minus 3pt}
5195 {\noindent #2}\
5196 }

```

61 File xepersian-mathsdigitspec.sty

```

5197 \NeedsTeXFormat{LaTeX2e}
5198 \ProvidesPackage{xepersian-mathsdigitspec}
5199 [2018/12/14 v1.1.6 Unicode Persian maths digits in XeLaTeX]
5200 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5201 \let\newfam\new@mathgroup
5202 \def\select@group#1#2#3#4{%
5203   \ifx\math@bgroup\bggroup\else\relax\expandafter\@firstofone\fi
5204   {%
5205     \ifmmode
5206       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5207         \begingroup
5208           \escapechar\m@ne
5209           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5210           \globaldefs\@ne \math@fonts
5211         \endgroup
5212         \init@restore@version
5213         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5214           {\number\csname c@mv@\math@version\endcsname}}%
5215         \global\advance\csname c@mv@\math@version\endcsname\@ne
5216       \else
5217         \let#1\relax
5218         \@latex@error{Too many math alphabets used in
5219           version \math@version}%
5220         \@eha
5221       \fi
5222     \else \expandafter\non@alpherr\fi
5223     #1{#4}%
5224   }%
5225 }
5226 \def\document@select@group#1#2#3#4{%
5227   \ifx\math@bgroup\bggroup\else\relax\expandafter\@firstofone\fi
5228   {%
5229     \ifmmode
5230       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5231         \begingroup
5232           \escapechar\m@ne
5233           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5234           \globaldefs\@ne \math@fonts
5235         \endgroup
5236         \expandafter\extract@alph@from@version
5237           \csname mv@\math@version\expandafter\endcsname
5238           \expandafter{\number\csname
5239             c@mv@\math@version\endcsname}%
5240           #1%

```



```

5241 \global\advance\csname c@mv@\math@version\endcsname\@ne
5242 \else
5243 \let#1\relax
5244 \@latex@error{Too many math alphabets used
5245 in version \math@version}%
5246 \@eha
5247 \fi
5248 \else \expandafter\non@alpherr\fi
5249 #1{#4}%
5250 }%
5251 }
5252 \ExplSyntaxOn
5253 \bool_set_false:N \g__fontspec_math_bool
5254 \tl_map_inline:nn
5255 {
5256 \new@mathgroup\c@p@list\c@p@elt\DeclareMathSizes
5257 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5258 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5259 \version@list\version@elt\alpha@list\alpha@elt
5260 \restore@mathversion\init@restore@version\dorestore@version\process@table
5261 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5262 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@c@p
5263 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5264 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5265 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5266 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5267 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5268 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5269 }
5270 {
5271 \tl_remove_once:Nn \@preamblecmds {\do#1}
5272 }
5273 \ExplSyntaxOff
5274 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
5275 \newcommand\SetMathCode[4]{%
5276 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5277 \newcommand\SetMathCharDef[4]{%
5278 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5279 \ExplSyntaxOn
5280 \cs_new_eq:NN \orig_mathbf:n \mathbf
5281 \cs_new_eq:NN \orig_mathit:n \mathit
5282 \cs_new_eq:NN \orig_mathrm:n \mathrm
5283 \cs_new_eq:NN \orig_mathsf:n \mathsf
5284 \cs_new_eq:NN \orig_mathtt:n \mathtt
5285 \NewDocumentCommand \new@mathbf { m } {
5286 \orig_mathbf:n {
5287 \int_step_inline:nnnn { `0 } { `c_one } { `9 } {
5288 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5289 }
5290 #1

```




```

5291 }
5292 }
5293 \NewDocumentCommand \new@mathit { m } {
5294   \orig_mathit:n {
5295     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
5296       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5297     }
5298     #1
5299   }
5300 }
5301 \NewDocumentCommand \new@mathrm { m } {
5302   \orig_mathrm:n {
5303     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
5304       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5305     }
5306     #1
5307   }
5308 }
5309 \NewDocumentCommand \new@mathsf { m } {
5310   \orig_mathsf:n {
5311     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
5312       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5313     }
5314     #1
5315   }
5316 }
5317 \NewDocumentCommand \new@mathtt { m } {
5318   \orig_mathtt:n {
5319     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
5320       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5321     }
5322     #1
5323   }
5324 }
5325
5326 \cs_new:Npn \__xepersian_mathsdigitspec_error:nxx { \msg_error:nxxx {xepersian-mathsdigi
5327 \cs_new:Nn \__xepersian_mathsdigitspec_msg_new:nnnn
5328   { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5329 \char_set_catcode_space:n {32}
5330 \__xepersian_mathsdigitspec_msg_new:nnnn {xepersian-mathsdigitspec} {char-not-exist}
5331 {
5332   The font "#1" does not contain U+#2.
5333 }
5334 {
5335   Select another font and rerun xelatex.
5336 }
5337 \char_set_catcode_ignore:n {32}
5338
5339 \prg_new_conditional:Nnn \__xepersian_mathsdigitspec_primitive_font_char_if_exist:n {p,TF,T,F}
5340 {

```



```

5341 \etex_iffontchar:D \l_fontspec_font `#1 \scan_stop:
5342 \prg_return_true:
5343 \else:
5344 \prg_return_false:
5345 \fi:
5346 }
5347
5348 \cs_new:Nn \__xepersian_mathsdigitspec_char_not_exist_error:n
5349 {
5350 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5351 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5352 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5353 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5354 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5355 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5356 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5357 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5358 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5359 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5360 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5361 \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF } \__xepersian_mathsdigitspec_primitive_font_char_if_exist:nF
5362 }
5363
5364 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5365 {
5366 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5367 }
5368 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5369 {
5370 \let\glb@currsz\relax
5371 \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Ligatures=PersianTeX,#1} {#2}
5372 \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5373 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
5374 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5375 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5376 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5377 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5378 \__xepersian_mathsdigitspec_char_not_exist_error:n { #2 }
5379 \def\persianmathsdigits{%
5380 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5381 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5382 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5383 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5384 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5385 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5386 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5387 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5388 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5389 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5390 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

```



```

5391 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
5392 \tl_set_eq:NN \mathbf \new@mathbf
5393 \tl_set_eq:NN \mathit \new@mathit
5394 \tl_set_eq:NN \mathrm \new@mathrm}
5395 }
5396
5397 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5398
5399 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
5400 {
5401   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5402 }
5403 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5404 {
5405   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5406   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5407   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5408   \__xepersian_mathsdigitspec_char_not_exist_error:n { #2 }
5409   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5410 }
5411
5412 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5413
5414 \DeclareDocumentCommand \setmathttdigitfont { O{} m O{} }
5415 {
5416   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5417 }
5418 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5419 {
5420   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5421   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5422   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5423   \__xepersian_mathsdigitspec_char_not_exist_error:n { #2 }
5424   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5425 }
5426
5427 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5428
5429 \ExplSyntaxOff
5430 \ifx\newcommand\undefined\else
5431   \newcommand{\ZifferAn}{}
5432 \fi
5433 \mathchardef\ziffer@DotOri="013A
5434 {\ZifferAn
5435   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
5436 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
5437 \def\ziffer@check#1#2{%
5438   \ifx\n1\endgroup#1\else
5439     \ifx\n2\endgroup#1\else
5440       \ifx\n3\endgroup#1\else

```



```

5441 \ifx\n4\endgroup#1\else
5442 \ifx\n5\endgroup#1\else
5443 \ifx\n6\endgroup#1\else
5444 \ifx\n7\endgroup#1\else
5445 \ifx\n8\endgroup#1\else
5446 \ifx\n9\endgroup#1\else
5447 \ifx\n0\endgroup#1\else
5448 \ifx\n\overline\endgroup#1\else
5449 \endgroup#2%
5450 \fi
5451 \fi
5452 \fi
5453 \fi
5454 \fi
5455 \fi
5456 \fi
5457 \fi
5458 \fi
5459 \fi
5460 \fi}
5461 \mathcode`.="8000\relax
5462 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
5463 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
5464 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
5465 \def\DefaultMathsDigits{%
5466 \DefaultInlineMathsDigits%
5467 \DefaultDisplayMathsDigits%
5468 }
5469 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
5470 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5471 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5472 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5473 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5474 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5475 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5476 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5477 \def\PersianMathsDigits{%
5478 \PersianInlineMathsDigits%
5479 \PersianDisplayMathsDigits%
5480 }
5481 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
5482 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5483 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5484 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5485 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5486 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5487 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5488 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5489 \def\AutoMathsDigits{%
5490 \AutoInlineMathsDigits%

```



```

5491 \AutoDisplayMathsDigits%
5492 }
5493 \AutoMathsDigits
5494 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
5495 \let\SetDisplayMathsDigits\relax%
5496 }
5497 \everydisplay\expandafter{%
5498 \the\everydisplay\SetDisplayMathsDigits%
5499 \let\SetInlineMathsDigits\relax%
5500 }

```

62 File xepersian-multiplechoice.sty

```

5501 \NeedsTeXFormat{LaTeX2e}
5502 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5503 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5504 \RequirePackage{pifont}
5505 \RequirePackage{fullpage}
5506 \RequirePackage{ifthen}
5507 \RequirePackage{calc}
5508 \RequirePackage{verbatim}
5509 \RequirePackage{tabularx}
5510 \def\@headerfont{\bfseries}
5511 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5512 \def\@X{X}
5513 \newcommand\X[1]{\gdef\@X{#1}}
5514 \def\pbs#1{\let\tmp=\@#1\let\@=\tmp}
5515 \newcolumnntype{D}{>{\pbs\centering}X}
5516 \newcolumnntype{Q}{>{\@headerfont}X}
5517
5518 \renewcommand\tabularxcolumn[1]{m{#1}}
5519 \newcommand\makeform@nocorrection{%
5520 \addtocontents{frm}{\protect\end{tabularx}}
5521 \@starttoc{frm}}
5522 \newcommand\makeform@correction{%
5523 \addtocontents{frm}{\protect\end{tabularx}}}
5524 \newcommand\makemask@nocorrection{%
5525 \addtocontents{msk}{\protect\end{tabularx}}
5526 \@starttoc{msk}}
5527 \newcommand\makemask@correction{%
5528 \addtocontents{msk}{\protect\end{tabularx}}}
5529 \newlength\questionspace
5530 \setlength\questionspace{0pt}
5531 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5532 \def\@answerstitlefont{\bfseries}
5533 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5534 \def\@answernumberfont{\bfseries}
5535 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5536 \newcounter{question}\stepcounter{question}
5537 \newcounter{choice}

```



```

5538 \def\@initorcheck{%
5539   \xdef\@choices{\the@choice}%
5540   \setcounter{@choice}{1}%
5541   \gdef\@arraydesc{|Q||}%
5542   \gdef\@headerline{%
5543     \whiledo{\not{\value{@choice}>\@choices}}{
5544       \xdef\@arraydesc{\@arraydesc D|}
5545       \def\@appendheader{\g@addto@macro\@headerline}
5546       \@appendheader{&\protect\@headerfont}
5547       \edef\@the@choice{\alph{@choice}}
5548       \expandafter\@appendheader\@the@choice
5549       \stepcounter{@choice}}%
5550   \addtocontents{frm}{%
5551     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5552     \protect\hline
5553     \@headerline\protect\\ \protect\hline\protect\hline}%
5554   \addtocontents{msk}{%
5555     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5556     \protect\hline
5557     \@headerline\protect\\ \protect\hline\protect\hline}%
5558   \gdef\@initorcheck{%
5559     \ifthenelse{\value{@choice} = \@choices}{%
5560       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5561         (\the@choice\space instead of \@choices)}{%
5562         Questions must all have the same number of proposed answers.%
5563         \MessageBreak
5564         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
5565 \newenvironment{question}[1]{%
5566   %% \begin{question}
5567   \begin{minipage}{\textwidth}
5568     \xdef\@formanswerline{\@questionheader}%
5569     \xdef\@maskanswerline{\@questionheader}%
5570     \fbox{\parbox[c]{\linewidth}{#1}}
5571     \vspace\questionspace\par
5572     {\@answerstitlefont\@answerstitle}
5573     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}{%
5574   %% \end{question}
5575     \end{list}
5576     \@initorcheck%
5577     \addtocontents{frm}{\@formanswerline\protect\\ \protect\hline}%
5578     \addtocontents{msk}{\@maskanswerline\protect\\ \protect\hline}%
5579   \end{minipage}
5580   \stepcounter{question}}
5581 \def\@truesymbol{\ding{52}~}
5582 \def\@falsesymbol{\ding{56}~}
5583 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5584 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5585 \def\@true@nocorrection{\item}
5586 \def\@false@nocorrection{\item}
5587 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}

```



```

5588 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5589 \newcommand\true{%
5590   \xdef\@formanswerline{\@formanswerline&}%
5591   \xdef\@maskanswerline{\@maskanswerline&\@X}%
5592   \@true}%
5593 \newcommand\false{%
5594   \xdef\@formanswerline{\@formanswerline&}%
5595   \xdef\@maskanswerline{\@maskanswerline&}%
5596   \@false}%
5597 \def\@correctionstyle{\itshape}
5598 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5599 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
5600 \def\@questionheader{\thequestion}
5601 \answerstyle{
5602 \DeclareOption{nocorrection}{%
5603   \let\@true\@true@nocorrection
5604   \let\@false\@false@nocorrection
5605   \let\correction\comment
5606   \let\endcorrection\endcomment
5607   \def\makeform{\makeform@nocorrection}
5608   \def\makemask{\makemask@nocorrection}}
5609 \DeclareOption{correction}{%
5610   \let\@true\@true@correction
5611   \let\@false\@false@correction
5612   \let\correction\@correction
5613   \let\endcorrection\end@correction
5614   \def\makeform{\makeform@correction}
5615   \def\makemask{\makemask@correction}}
5616 \ExecuteOptions{nocorrection}
5617 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5618 \def\@questiontitlefont{\bfseries}
5619 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5620 \newlength\questiontitlespace
5621 \setlength\questiontitlespace{5pt}
5622 \newlength\questionsepspace
5623 \setlength\questionsepspace{20pt}
5624 \gdef\@questionsepspace{0pt}
5625 \let\old@question\question
5626 \let\old@endquestion\endquestion
5627 \renewenvironment{question}[1]{%
5628   %% \begin{question}
5629   \vspace\@questionsepspace
5630   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5631   \nopagebreak\vspace\questiontitlespace\par
5632   \old@question{#1}}{%
5633   %% \end{question}
5634   \old@endquestion
5635   \gdef\@questionsepspace{\questionsepspace}}
5636 \questiontitle{\thequestion:}
5637 \ProcessOptions

```



63 File xepersian-persiancal.sty

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5638 \NeedsTeXFormat{LaTeX2e}
5639 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5640
5641 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5642 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5643 \newcount\XePersian@latini \newcount\XePersian@persiani
5644 \newcount\XePersian@latinii \newcount\XePersian@persianii
5645 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5646 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5647 \newcount\XePersian@latinv \newcount\XePersian@persianv
5648 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5649 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5650 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5651 \newcount\XePersian@latinix \newcount\XePersian@persianix
5652 \newcount\XePersian@latinx \newcount\XePersian@persianx
5653 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5654 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5655 \newcount\XePersian@persianxiii
5656
5657 \newcount\XePersian@temp
5658 \newcount\XePersian@temptwo
5659 \newcount\XePersian@tempthree
5660 \newcount\XePersian@yModHundred
5661 \newcount\XePersian@thirtytwo
5662 \newcount\XePersian@dn
5663 \newcount\XePersian@sn
5664 \newcount\XePersian@mminusone
5665
5666
5667 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5668 \XePersian@temp=\XePersian@y
5669 \divide\XePersian@temp by 100\relax
5670 \multiply\XePersian@temp by 100\relax
5671 \XePersian@yModHundred=\XePersian@y
5672 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5673 \ifodd\XePersian@yModHundred
5674 \XePersian@leapfalse
5675 \else
5676 \XePersian@temp=\XePersian@yModHundred
5677 \divide\XePersian@temp by 2\relax
5678 \ifodd\XePersian@temp\XePersian@leapfalse
5679 \else
5680 \ifnum\XePersian@yModHundred=0%
5681 \XePersian@temp=\XePersian@y
5682 \divide\XePersian@temp by 400\relax
5683 \multiply\XePersian@temp by 400\relax
5684 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5685 \else\XePersian@leaptrue

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5686     \fi
5687   \fi
5688 \fi
5689 \XePersian@latini=31\relax
5690 \ifXePersian@leap
5691   \XePersian@latinii = 29\relax
5692 \else
5693   \XePersian@latinii = 28\relax
5694 \fi
5695 \XePersian@latiniii = 31\relax
5696 \XePersian@latiniv = 30\relax
5697 \XePersian@latin v = 31\relax
5698 \XePersian@latinvi = 30\relax
5699 \XePersian@latinvii = 31\relax
5700 \XePersian@latinviii = 31\relax
5701 \XePersian@latinix = 30\relax
5702 \XePersian@latinx = 31\relax
5703 \XePersian@latinxi = 30\relax
5704 \XePersian@latinxii = 31\relax
5705 \XePersian@thirtytwo=32\relax
5706 \XePersian@temp=\XePersian@y
5707 \advance\XePersian@temp by -17\relax
5708 \XePersian@temptwo=\XePersian@temp
5709 \divide\XePersian@temptwo by 33\relax
5710 \multiply\XePersian@temptwo by 33\relax
5711 \advance\XePersian@temp by -\XePersian@temptwo
5712 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5713 \else
5714   \XePersian@temptwo=\XePersian@temp
5715   \divide\XePersian@temptwo by 4\relax
5716   \multiply\XePersian@temptwo by 4\relax
5717   \advance\XePersian@temp by -\XePersian@temptwo
5718   \ifnum\XePersian@temp=z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5719 \fi
5720 \XePersian@tempthree=\XePersian@y % Number of Leap years
5721 \advance\XePersian@tempthree by -1
5722 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5723 \divide\XePersian@temp by 4\relax
5724 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5725 \divide\XePersian@temptwo by 100\relax
5726 \advance\XePersian@temp by -\XePersian@temptwo
5727 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5728 \divide\XePersian@temptwo by 400\relax
5729 \advance\XePersian@temp by \XePersian@temptwo
5730 \advance\XePersian@tempthree by -611 % Number of Kabise years
5731 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5732 \divide\XePersian@temptwo by 33\relax
5733 \multiply\XePersian@temptwo by 8\relax
5734 \advance\XePersian@temp by -\XePersian@temptwo
5735 \XePersian@temptwo=\XePersian@tempthree %

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5736 \divide\XePersian@temptwo by 33\relax
5737 \multiply\XePersian@temptwo by 33\relax
5738 \advance\XePersian@tempthree by -\XePersian@temptwo
5739 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
5740 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5741 \advance\XePersian@temp by -\XePersian@tempthree
5742 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5743 \XePersian@persiani=31
5744 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5745 \XePersian@persianii = 30\relax
5746 \ifXePersian@kabiseh
5747 \XePersian@persianiii = 30\relax
5748 \else
5749 \XePersian@persianiii = 29\relax
5750 \fi
5751 \XePersian@persianiv = 31\relax
5752 \XePersian@persianv = 31\relax
5753 \XePersian@persianvi = 31\relax
5754 \XePersian@persianvii = 31\relax
5755 \XePersian@persianviii= 31\relax
5756 \XePersian@persianix = 31\relax
5757 \XePersian@persianx = 30\relax
5758 \XePersian@persianxi = 30\relax
5759 \XePersian@persianxii = 30\relax
5760 \XePersian@persianxiii= 30\relax
5761 \XePersian@dn= 0\relax
5762 \XePersian@sn= 0\relax
5763 \XePersian@mminusone=\XePersian@m
5764 \advance\XePersian@mminusone by -1\relax
5765 \XePersian@i=0\relax
5766 \ifnum\XePersian@i < \XePersian@mminusone
5767 \loop
5768 \advance \XePersian@i by 1\relax
5769 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5770 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5771 \fi
5772 \advance \XePersian@dn by \XePersian@d
5773 \XePersian@i=1\relax
5774 \XePersian@sn = \XePersian@persiani
5775 \ifnum \XePersian@sn<\XePersian@dn
5776 \loop
5777 \advance \XePersian@i by 1\relax
5778 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5779 \ifnum \XePersian@sn<\XePersian@dn \repeat
5780 \fi
5781 \ifnum \XePersian@i < 4
5782 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5783 \advance \XePersian@y by -622\relax
5784 \else
5785 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax

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5786 \advance \XePersian@y by -621\relax
5787 \fi
5788 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5789 \endcsname
5790 \ifnum\XePersian@i = 1
5791 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5792 \else
5793 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5794 \fi
5795 \newcommand*{\persiantoday}{%
5796 \number\XePersian@d\space%
5797 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5798 }
5799 \let\persianyear\XePersian@y
5800 \let\persianmonth\XePersian@m
5801 \let\persianday\XePersian@d
5802 \def\XePersian@persian@month#1{\ifcase#1\or or\
5803 or\
5804 or\ or\
5805 or\
5806 or\ or\
5807 or\ or\
5808 or\ or\
5809 \fi\

```



Index

Symbols	
\!	2388
\%	5390
\.	5435
\@and	3649
\@math	166
\@maybeautodot	2603, 2604, 2622, 2637, 2638, 2656, 2667, 2668, 2686
\@par	1915
\@textdigitfont@onfalse	2712, 3348
\@textdigitfont@ontrue	3347
\@Abjad	1209, 3657, 3665, 3666, 4146, 4147
\@Alph	2616, 2650, 2680, 3923, 3926, 4142, 4147
\@DeclareMathDelimiter	5266
\@DeclareMathSizes	5257
\@False	154, 156
\@Kashida@XB@fixfalse	1647, 4089
\@Kashida@XB@fixtrue	1646, 4087
\@Kashida@onfalse	1644
\@Kashida@ontrue	1643
\@LTRfootnotetext	1945
\@LTRmarginparreset	3279
\@Latincitex	73, 74, 2179, 2188, 2378, 3287, 3288
\@M	170, 3699, 3800, 3895
\@Mi	166
\@Mii	1838
\@Miii	1840
\@RTL@footnotefalse	3270, 3274, 4073
\@RTL@footnotettrue	3272, 3275, 4071
\@RTLfalse	136, 148, 161, 4026, 4033, 4055
\@RTLfootnotetext	1946
\@RTLtabfalse	4041
\@RTLtabtrue	4039
\@RTLtrue	4024, 4031, 4053
\@Roman	2618, 2652, 2682
\@SepMark	1774
\@SetTab	2716
\@True	149, 155
\@X	5512, 5513, 5591
\@abjad	1210, 3884, 3903, 3904, 4141, 4142
\@acol	2070, 2078
\@acolampacol	2068, 2070, 2076, 2078
\@adadi	1207, 2614, 2648, 2678, 3673, 3675, 3678
\@addamp	2069, 2077
\@addtopreamble	2037
\@alph	2617, 2651, 2681, 2717, 3922, 3925, 4141, 4146
\@ampacol	2068, 2076
\@answernumberfont	5534, 5535, 5573
\@answerstitle	5531, 5572
\@answerstitlefont	5532, 5533, 5572
\@appendheader	5545, 5546, 5548
\@arrayclassz	2068
\@arraydesc	5541, 5544, 5551, 5555
\@arrayrule	2016, 2017, 2018, 2060, 2061, 2062
\@author	4604, 4616
\@autodottrue	2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684
\@auxout	3293, 4204, 4208
\@begin@tempboxa	1915
\@biblabel	2180, 2189
\@bibsetup	2181, 2190
\@bidi@inslogo@	4182, 4184
\@bidi@list@minipage@parbox@not@nobtrue	

..... 1912, 1934	\@classx 2034
\@bidi@list@minipage@parboxtrue	\@classz 2034
..... 1913, 1935	\@correction 5612
\@bidi@logo 3618	\@correctionstyle 5597, 5598, 5599
\@bidi@logo@ 3614, 4184	\@ctrerr 3664, 3669
\@bidi@logo@hb@xt@columnwidth	\@currbox . 1845, 1891, 1895, 2134,
..... 3615	2138, 2144, 2148
\@bidi@pdfcreator 3620	\@currenvir 2452, 2454, 2455
\@bidi@pdfm@markfalse 4191	\@customlogo 4704, 4713
\@bidi@pdfm@marktrue 4189	\@custommagazinenam . 4473, 4706
\@bidi@perpage@footnotefalse .	\@customminilogo 4705, 4719
..... 4230	\@customwwwTxt .. 4434, 4437, 4489
\@bidi@perpage@footnotetrue ..	\@date 4607, 4617
..... 4228	\@dblfpbot 3610
\@bidi@tufte@sidenote@LTRmarginfont	\@dblfpsep 3609
..... 86	\@dblfpsep 3608
\@bidi@tufte@sidenote@RTLmarginfont	\@defaultunits 3385, 3389
..... 88	\@dgroup 148
\@bsphack 1837	\@dmath 136, 165
\@capytype .. 1825, 1888, 2135, 2145	\@doendpe 2469
\@ccclvi 5200, 5206, 5230	\@dseries 161
\@chapapp .. 30, 102, 113, 120, 132,	\@eha 5220, 5246
1285, 1297, 1780, 2570, 2577,	\@empty 151, 1832, 2192, 2202, 2205,
2584, 2592, 2633, 2663	2291, 2294, 2423, 3289, 3292,
\@chclass . 1950, 1958, 1966, 1981,	3758, 3764, 3767, 3770, 3875,
1995, 2000, 2015, 2031, 2051,	4184, 4615, 4616, 4617, 4618
2059, 2089, 2112, 2126	\@emptytoks 150
\@chnum 1952, 1953, 1954, 1955, 1956,	\@enGroup 1199
1957, 1967, 1974, 1988, 2001,	\@enLabel . 1190, 1191, 1192, 1193,
2008, 2024, 2037, 2053, 2054,	1194, 1195, 1196, 1197
2055, 2056, 2057, 2058, 2072,	\@enOther 1201
2080, 2090, 2097, 2119	\@enSpace 1198
\@choices .. 5539, 5543, 5559, 5561	\@end@tempboxa 1930
\@cite 2167, 2174, 2186, 2202, 2291,	\@endpbox 2044, 2045
3290	\@enhook 1202
\@cite@ofmt 3298	\@enloop@ 1189
\@citea 2207, 2221, 2235, 2244, 2245,	\@entemp .. 1190, 1191, 1192, 1193,
2246, 2251, 2266, 2274, 2275,	1194, 1195, 1196, 1197, 1198,
2276, 2310, 2326, 2344, 3289,	1199, 1200
3291	\@enum@ 1200
\@citeb 2203, 2205, 2207, 2210, 2212,	\@extra@b@citeb 2207, 2213, 2215,
2213, 2215, 2238, 2269, 2292,	2238, 2269, 2296, 2302, 2304
2294, 2296, 2299, 2301, 2302,	\@extrafootnotefeaturesfalse .
2304, 3290, 3292, 3293, 3294,	..... 4099
3297, 3298	\@extrafootnotefeaturestrue ..
\@citex 2178, 2187	..... 4097



\@false	5596, 5604, 5611	\@ifnextchar	2131, 2372, 2378, 3287
\@false@correction . .	5588, 5611	\@ifnum	2309, 2311, 2313, 2320, 2321, 2324, 2336, 2359, 2361
\@false@nocorrection .	5586, 5604	\@ifpackageloaded	76, 1696, 1700, 2381, 2385, 2477, 2485, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959
\@falsesymbol . . .	5582, 5584, 5588	\@ifstar	2371
\@firstampfalse	2070, 2078	\@ifundefined	72, 2207, 2213, 2296, 2302, 3294
\@firstofone	1568, 1569, 2205, 2294, 3292, 5203, 5227	\@ignoretrue	172
\@firstoftwo	2846, 2852, 2858	\@iiminipage	1931
\@float@HH	2131, 2132	\@iiparbox	1909
\@float@Hx	2130, 2131	\@indexfile	4107, 4119, 4131
\@float@	2131, 2142	\@initorcheck . . .	5538, 5558, 5576
\@floatboxreset .	1901, 2140, 2150	\@inlabelfalse	139
\@floatcapt	2135, 2145	\@input@	4109, 4121, 4133
\@floatpenalty . .	1838, 1840, 1843	\@lastchclass . .	1950, 1951, 1967, 1968, 1969, 1970, 1972, 2001, 2002, 2003, 2004, 2006, 2051, 2052, 2068, 2076, 2090, 2091, 2092, 2093, 2095
\@flstylefalse	2137, 2147	\@latex@error	5218, 5244
\@flstyletrue	2137, 2147	\@latex@warning	3296
\@fltovf	1893	\@latinAlph	3923, 3926
\@footnotetext	1944	\@latinalph .	2717, 3922, 3925, 3928
\@for	2203, 2292, 3290, 3986	\@list@extra	3494, 3501, 3510, 3517, 3525, 3532, 3540, 3548, 3555, 3564, 3568, 3573, 3577, 3582, 3586, 3591
\@formanswerline	5568, 5577, 5590, 5594	\@listI	3408, 3503
\@fpbot	3607	\@listdepth	1947
\@fps . .	1826, 1827, 1829, 1832, 1849	\@listi	3408, 3425, 3442, 3497, 3503, 3593
\@fpsadddefault	1830, 1833	\@listi@footnotesize .	3442, 3528
\@fpsep	3606, 3609	\@listi@small	3425, 3513
\@fptop	3605, 3607, 3608, 3610	\@listii	3543
\@freelist	1845	\@listiii	3558
\@gobble	1200	\@listiv	3571
\@harfi	12, 20, 31, 34, 43, 49, 55, 61, 103, 114, 121, 133, 1208, 1275, 1286, 1298, 1590, 1781, 2571, 2578, 2585, 2593, 2600, 2613, 2634, 2647, 2664, 2677, 3667, 3670, 3671	\@listv	3580
\@headerfont	5510, 5511, 5516, 5546	\@listvi	3589
\@headerline	5542, 5545, 5553, 5557	\@m	2184, 3291, 3698, 3799, 3893
\@ifclassloaded	3958, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 4105, 4117, 4129	\@mainmatterfalse . .	97, 108, 126, 1279, 2627
\@ifdefinable	2487, 2489		
\@ifdefinitionfileloaded	1822, 1965, 1998, 2088, 2129, 3938, 3939		



\@maskanswerline	5569, 5578, 5591, 5595	\@nonlatinfalse	3245, 4046
\@memfront	1772	\@nonlatintrue	3259, 4048
\@minipagefalse	3284	\@onelevel@sanitize	1827
\@minipagerestore	1948	\@parboxrestore	1900, 1915, 1942, 2139, 2149
\@minipagetrue	3283	\@parboxto	1918, 1927
\@minus	3356, 3358, 3362, 3364, 3370, 3372, 3376, 3378, 3552	\@parmoderr	1843
\@mpLTRfootnotetext	1945	\@pboxswfalse	1911, 1933
\@mpRTLfootnotetext	1946	\@pboxswtrue	1925
\@mpargs	1937	\@plus	3356, 3358, 3362, 3364, 3370, 3372, 3376, 3378, 3552, 3605, 3606
\@mpfn	1943	\@ppsavesec	25
\@mpfootnotetext	1944	\@preamble	2071, 2079
\@mplistdepth	1947	\@preamblecmds	5271
\@namedef	2161, 2215, 2304, 2468	\@preamerr	1961, 1995, 2031, 2065, 2126
\@ne	1855, 1861, 1954, 1955, 1958, 1967, 1977, 1978, 1982, 2001, 2011, 2012, 2016, 2017, 2018, 2055, 2056, 2060, 2061, 2062, 2090, 2100, 2101, 2113, 2309, 2321, 2323, 2336, 2344, 3257, 3258, 3334, 3685, 3726, 3733, 3745, 3750, 3786, 3827, 3834, 3846, 3851, 3994, 4252, 4253, 4254, 4255, 4256, 5210, 5215, 5234, 5241	\@ptsize	3388
\@next	1845	\@questionheader	5568, 5569, 5600
\@nextchar	1973, 1975, 1976, 1977, 1978, 1979, 1980, 1982, 1983, 1984, 1985, 1986, 1989, 1990, 1991, 1992, 1993, 1994, 2007, 2009, 2010, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2025, 2026, 2027, 2028, 2029, 2030, 2042, 2044, 2045, 2096, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2113, 2114, 2115, 2116, 2117, 2120, 2121, 2122, 2124, 2125	\@questionsepspace	5624, 5629, 5635
\@nextchar	2123	\@questiontitle	5617, 5630
\@nil	2398, 2402, 2403, 2408, 2410, 3716, 3719, 3817, 3820	\@questiontitlefont	5618, 5619, 5630
\@nnil	3385, 3389, 3393, 3394	\@resets@pp	24, 1574, 1575
\@nodocument	1824	\@roman	2619, 2653, 2683
		\@safe@activesfalse	2206, 2295
		\@safe@activetrue	2204, 2293
		\@secondoftwo	2848, 2854, 2860
		\@setfontsize	3402, 3419, 3436, 3447, 3453, 3459, 3465, 3471, 3477, 3483, 4404, 4410, 4412, 4415, 4422, 4428, 4429, 4430, 4431, 4432
		\@setfpsbit	1865, 1868, 1871, 1874, 1877, 1880
		\@setminipage	1949
		\@setnobreak	2140, 2150
		\@sharp	2073, 2074, 2075, 2081, 2082, 2083
		\@smemfront	1773
		\@sptoken	1198
		\@startpbox	2044, 2045
		\@starttoc	3634, 5521, 5526
		\@stop	2604, 2638, 2668



<code>\@sx@xepersian@localize@verbatim</code>	3391, 3392, 3410, 3427, 3444, 3450, 3456, 3462, 3468, 3474, 3480
<code>\@tabclassz</code>	2076
<code>\@tartibi</code>	9, 16, 39, 45, 51, 57, 94, 105, 116, 128, 1206, 1271, 1281, 1293, 1587, 1775, 1776, 2566, 2573, 2580, 2588, 2596, 2615, 2629, 2649, 2659, 2679, 3779, 3781, 3784
<code>\@tempa</code>	1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1204, 2408, 2410, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 3393, 3394
<code>\@tempb</code>	3391, 3394, 3411, 3428, 3445, 3451, 3457, 3463, 3469, 3475, 3481
<code>\@tempboxa</code>	1938
<code>\@tempc</code>	2423, 2436, 2446, 2448, 2449, 2452, 2460
<code>\@tempcnta</code>	1847, 1853, 1855, 1859, 1861, 1883, 1884, 1890, 1891, 2035, 2318, 2319, 2320, 2323, 2324, 3985, 3988, 3994
<code>\@tempcntb</code>	1888, 1889, 1890
<code>\@tempdima</code>	1914, 1915, 1936, 1940, 3384, 3385, 3386, 3390, 3392, 3403, 3410, 3411, 3420, 3427, 3428, 3437, 3444, 3445, 3448, 3450, 3451, 3454, 3456, 3457, 3460, 3462, 3463, 3466, 3468, 3469, 3472, 3474, 3475, 3478, 3480, 3481, 3484
<code>\@tempdimb</code>	1917, 1918, 3389, 3390, 3396, 3397, 3399, 3403, 3411, 3413, 3414, 3416, 3420, 3428, 3430, 3431, 3433, 3437, 3445, 3448, 3451, 3454, 3457, 3460, 3463, 3466, 3469, 3472, 3475, 3478, 3481, 3484, 3487, 3489, 3491, 3505, 3507, 3520, 3522, 3535, 3537, 3551, 3594, 3595, 3597, 3599, 3601, 3606, 3611, 4273, 4274
<code>\@tempdimc</code>	3386, 3387, 3388, 3390,
<code>\@tempskipa</code>	4277, 4278
<code>\@tempswafalse</code>	2336, 3287, 3492, 3508, 3523, 3538, 3553, 3566, 3575, 3584
<code>\@tempwatrue</code>	2335, 3287, 3494, 3510, 3525, 3540, 3555, 3568, 3577, 3586
<code>\@temptokena</code>	2409, 2416, 2421, 2427, 2434, 2444, 2458
<code>\@testpach</code>	1950, 1966, 2000, 2051, 2089
<code>\@tfor</code>	1848, 2493
<code>\@thanks</code>	4609, 4615
<code>\@the@choice</code>	5547, 5548
<code>\@title</code>	4597, 4618
<code>\@true</code>	5592, 5603, 5610
<code>\@true@correction</code>	5587, 5610
<code>\@true@nocorrection</code>	5585, 5603
<code>\@truesymbol</code>	5581, 5583, 5587
<code>\@verbatim</code>	2158, 2161, 2466, 2468, 2479
<code>\@vobeyspaces</code>	2158, 2466
<code>\@warning</code>	2465
<code>\@x@xepersian@localize@verbatim</code>	2158
<code>\@xDeclareMathDelimiter</code>	5266
<code>\@xepersian@@baselineskip@scale</code>	3234, 3243, 3256, 3266
<code>\@xepersian@@computeautoilgfalse</code>	4198
<code>\@xepersian@@computeautoilgtrue</code>	4196
<code>\@xepersian@@fontsize@scale</code>	3233, 3238, 3255, 3265
<code>\@xepersian@info</code>	2819, 2839, 2841
<code>\@xepersian@pdfcustomproperties</code>	3624
<code>\@xfloat</code>	1823, 2130, 2131
<code>\@xxDeclareMathDelimiter</code>	5265
<code>\@xxxii</code>	1889
<code>@\</code>	1802, 1803
<code>@\</code>	1798, 1799, 1801
<code>@\</code>	2380



\backslash	2388	\backslash abovedisplayshortskip	3397, 3405, 3414, 3422, 3431, 3439, 4407, 4408, 4418, 4419, 4425, 4426
$\backslash\backslash$	2155, 2388, 4565, 4880, 4881, 5143, 5146, 5195, 5514, 5553, 5557, 5577, 5578	\backslash abovedisplayskip	3395, 3400, 3404, 3412, 3417, 3421, 3429, 3434, 3438, 4405, 4406, 4416, 4417, 4423, 4424
$\backslash\{$	2154, 2388	\backslash abstractname	3646
$\backslash\}$	2154, 2388	\backslash active	2389, 5435
$\backslash]$	2388	\backslash adadi	1191, 1207, 1212, 2607, 2641, 2671, 3672
$\backslash^$	2389	\backslash adadinumeral	3678
$\backslash_$	1460, 1462, 1464, 1472, 1482, 1483, 1485, 1486, 1487, 1488, 1490, 1493, 1494, 1495, 1498, 1499, 1501, 1505, 1506, 1507, 1509, 2909, 2912, 2925, 2929, 2933, 2936, 2948, 2972, 2976, 2977, 2984, 2987, 2999, 3003, 3010, 3015, 3018, 3034, 3039, 3042, 3089, 3092, 3105, 3109, 3113, 3116, 3129, 3133, 3137, 3140, 3153, 3157, 3161, 3164, 3177, 3181, 3185, 3188, 3201, 3205, 3209, 3212, 3225, 3229, 5326, 5327, 5330, 5339, 5348, 5350, 5351, 5352, 5353, 5354, 5355, 5356, 5357, 5358, 5359, 5360, 5361, 5366, 5368, 5372, 5378, 5397, 5401, 5403, 5406, 5408, 5412, 5416, 5418, 5421, 5423, 5427	\backslash AddEnumerateCounter	1206, 1207, 1208, 1209, 1210
$\backslash|$	4881	\backslash addfontfeature	4220
$\backslash\sim$	2389	\backslash addfontfeatures	136, 148, 161
		\backslash addtocontents	5520, 5523, 5525, 5528, 5550, 5554, 5577, 5578
		\backslash addtolength	3387, 4632, 4633, 4636, 5055, 5056, 5057, 5058, 5122
		\backslash addtoversion	5258
		\backslash adl@argarraydashrule	2018, 2062
		\backslash adl@arraydashrule	2017, 2061
		\backslash adl@arrayrule	2016, 2060
		\backslash adl@box	2042, 2044, 2045
		\backslash adl@class@iiiorvii	2048, 2085
		\backslash adl@class@start	2047, 2084
		\backslash adl@endmbox	2043
		\backslash adl@putlrc	2039, 2040, 2041, 2073, 2074, 2075, 2081, 2082, 2083
		\backslash adl@startmbox	2042
\backslashsqcup	1529, 1531, 3291, 3722, 3728, 3747, 3753, 3823, 3829, 3848, 3858, 4480, 4489	\backslash advance	1532, 1855, 1861, 1884, 1890, 2323, 3334, 3336, 3994, 4396, 4400, 4668, 4671, 5215, 5241, 5672, 5707, 5711, 5717, 5721, 5726, 5729, 5730, 5734, 5738, 5739, 5741, 5742, 5744, 5764, 5768, 5769, 5772, 5777, 5778, 5782, 5783, 5785, 5786, 5788, 5791, 5793
A			
\backslash abj@num@i	3889, 3906, 3913	\backslash aftergroup	3494, 3510, 3525, 3540, 3555, 3568, 3577, 3586
\backslash abj@num@ii	3891, 3910, 3917	\backslash ALG@name	5, 7
\backslash abj@num@iii	3893, 3914, 3920	\backslash algorithmicensure	3
\backslash abj@num@iv	3895, 3918	\backslash algorithmicrequire	2
\backslash Abjad	1209, 1214, 3665		
\backslash abjad	1210, 1215, 3903		
\backslash abjad@zero	3905, 3909		
\backslash Abjadnumeral	3666		
\backslash abjadnumeral	3904		



`\ALGS@name` 6, 7
`\aliasfontfeature` . . 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, 1743,
1744, 1745, 1746, 1747, 1748,
1749, 1750, 1751, 1752, 1753,
1754, 1755, 1756, 1757, 1758,
1759, 1760, 1761, 1762, 1763,
1764
`\aliasfontfeatureoption` . 1765,
1766, 1767, 1768, 1769, 1770
`\alloc@` 5200
`\Alph` . 1193, 1561, 1562, 2609, 2643,
2673
`\alph` . 1194, 2610, 2644, 2674, 2724,
5547, 5573
`\alpha@elt` 5259
`\alpha@list` 5259
`\anappendixtrue` 1782
`\and` 4622
`\answernumberfont` 5535
`\answerstitle` 5531, 5601
`\answerstitlefont` 5533
`\appendix` 10, 17, 40, 46,
52, 58, 99, 110, 117, 129, 1272,
1282, 1294, 1558, 1559, 1588,
1777, 2567, 2574, 2581, 2589,
2597, 2630, 2660
`\appendixautorefname` 1547
`\appendixname` 11, 19, 30,
102, 113, 120, 132, 1285, 1297,
1589, 1780, 2570, 2577, 2584,
2592, 2633, 2663, 3643
`\arabic` 1197
`\arrayrulewidth` 5137
`\articlesep` 5119
`\AtBeginDocument` . 71, 1557, 1662,
2161, 2368, 2473, 4182, 4394,
4398
`\AtEndOfClass` 4392
`\author` 4620
`\authorandplace` 5093
`\AutoDisplayMathsDigits` . 4016,
5485, 5491
`\autofootnoterule` 4059
`\AutoInlineMathsDigits` . . 4008,
5481, 5490
`\AutoMathsDigits` 4000, 5489, 5493

B

`\backrefpagesname` 63
`\baselineskip` . . 3337, 3340, 4310,
4312, 4314, 4317, 4318, 4320
`\begin` 2382, 2383, 3274, 3275, 3632,
4448, 4451, 4504, 4519, 4532,
4538, 4559, 4590, 4596, 4603,
4627, 4681, 4687, 4759, 4762,
4767, 4774, 4789, 4804, 4821,
4855, 4873, 4878, 4898, 4905,
4906, 4927, 4929, 4930, 4952,
4957, 4958, 4994, 4995, 5003,
5029, 5037, 5043, 5044, 5052,
5082, 5106, 5138, 5139, 5154,
5166, 5180, 5551, 5555, 5566,
5567, 5573, 5628
`\beginingroup` . 144, 2153, 2370, 2386,
2466, 2468, 2708, 2711, 2865,
2867, 3493, 3509, 3524, 3539,
3554, 3567, 3576, 3585, 5207,
5231, 5435
`\beginL` 3284, 4480, 4881
`\beginR` 4484, 4485, 4486, 4497, 4498,
4499, 4704, 4705, 4706, 4724,
4745, 4746, 4747, 4748, 4749,
4750, 4901, 4996
`\belowdisplayshortskip` . . 3398,
3407, 3415, 3424, 3432, 3441,
4408, 4419, 4426
`\belowdisplayskip` . . 3400, 3406,
3417, 3423, 3434, 3440, 4406,
4417, 4424
`\bfseries` . 2208, 2297, 3294, 3616,
4440, 4446, 4465, 4473, 4501,
4517, 4536, 4550, 4554, 4579,
4584, 4588, 4713, 4719, 5510,
5532, 5534, 5618
`\bgroup` 1199, 1898, 1938, 2139, 2149,
2969, 5203, 5227



`\char` 1461, 1471, 5329, 5337
`\chardef` . . . 1593, 1594, 1596, 1597,
1598, 1599, 1600, 1601, 3306,
5200
`\charlist` . . . 1607, 1608, 1610, 1614
`\citation` 3293
`\citenumfont` 2347
`\citeyear` 2169
`\citeyearpar` 2169
`\ClassError` 4778, 4810, 4844, 4864,
4885, 4910, 4935, 4961, 4984,
5560
`\ClassWarning` . . . 4363, 4365, 4367,
4637, 4651
`\cleardoubleoddpaper` 2626
`\cleardoublepage` 15, 96, 107, 125,
1278
`\clearpage` 2626, 4741
`\clist` 1503
`\closeout` 4107, 4119, 4131
`\color@begingroup` 1939
`\color@vbox` 1896, 2138, 2148
`\columnlines` 4337, 4338, 4370, 4699
`\columnsep` 4633, 5056
`\columnseprule` 4699
`\columntitle` 5050
`\columnwidth` 1899, 1941, 2139, 2149,
4632, 5055
`\comment` 5605
`\contentsname` 3632, 3640
`\copyright` 4489
`\correction` 5605, 5612
`\correctionstyle` 5598
`\count` 1891, 4667, 4668, 4670, 4671,
4680, 4686
`\count@` 2035
`\cs` 1460, 1462, 1482, 1483, 1491, 1498,
1499, 1510, 2476, 2478, 2912,
2929, 2936, 2972, 2987, 3003,
3018, 3020, 3025, 3042, 3044,
3049, 3092, 3109, 3116, 3133,
3140, 3157, 3164, 3181, 3188,
3205, 3212, 3229, 5280, 5281,
5282, 5283, 5284, 5326, 5327,
5348, 5368, 5397, 5403, 5412,
5418, 5427
`\csname` 1695, 1888, 1928, 2133, 2136,
2143, 2146, 2163, 2470, 2487,
2488, 2489, 2490, 2491, 2601,
2635, 2665, 2866, 2869, 2875,
2877, 3298, 3495, 3511, 3526,
3541, 3556, 3569, 3578, 3587,
3665, 3670, 3673, 3779, 3903,
4290, 4292, 4296, 4298, 4302,
4304, 5206, 5209, 5214, 5215,
5230, 5233, 5237, 5238, 5241,
5276, 5278, 5769, 5778, 5788
`\currenttime` 4463
`\customlogo` 4704
`\custommagazinenam` 4706
`\customminilogo` 4705
`\customwwwTxt` 4434

D
`\dollarbegin` 2039, 2040, 2041
`\dollarend` 2039, 2040, 2041
`\date` 4462, 4473, 4621, 5090
`\datename` 3648
`\day` 5667
`\dblfloatsep` 3603
`\dbltextfloatsep` 3604
`\decimalseparator` . . . 5391, 5462
`\DeclareDocumentCommand` . . 2907,
2931, 2974, 2982, 3008, 3013,
3032, 3037, 3087, 3111, 3135,
3159, 3183, 3207, 5364, 5399,
5414
`\DeclareMathAccent` 5264
`\DeclareMathAlphabet` 5263
`\DeclareMathDelimiter` 5265
`\DeclareMathRadical` 5267
`\DeclareMathSizes` 5256
`\DeclareMathSymbol` 5264
`\DeclareMathVersion` 5258
`\DeclareOption` . . 4359, 4360, 4361,
4362, 4364, 4366, 4368, 4369,
4370, 4371, 4372, 5602, 5609
`\DeclareOptionX` 4150, 4156, 4160,
4164, 4168, 4172, 4176
`\DeclareRobustCommand` 2369, 2916,
2941, 2990, 3062, 3065, 3068,



3071, 3074, 3077, 3096, 3120,
 3144, 3168, 3192, 3216, 3286
 \backslash DeclareSymbolFont . 5261, 5374,
 5375, 5376, 5377, 5407, 5422
 \backslash DeclareSymbolFontAlphabet 5268
 \backslash DeclareSymbolFontAlphabet@ . .
 5268
 \backslash DeclareTextFontCommand . 3080,
 3081, 3082, 3083, 3084, 3085
 \backslash def 2, 3, 5,
 6, 7, 10, 12, 15, 17, 20, 63, 64,
 77, 92, 136, 148, 161, 168, 172,
 1189, 1190, 1191, 1192, 1193,
 1194, 1195, 1196, 1197, 1524,
 1526, 1528, 1530, 1541, 1542,
 1543, 1544, 1545, 1546, 1547,
 1548, 1549, 1550, 1551, 1552,
 1553, 1554, 1555, 1556, 1559,
 1570, 1575, 1588, 1590, 1604,
 1607, 1609, 1610, 1615, 1650,
 1651, 1785, 1786, 1787, 1788,
 1789, 1790, 1791, 1792, 1793,
 1823, 1825, 1826, 1828, 1909,
 1931, 1937, 1943, 1950, 1966,
 2000, 2034, 2047, 2048, 2051,
 2068, 2076, 2084, 2085, 2089,
 2131, 2132, 2135, 2142, 2145,
 2158, 2159, 2168, 2171, 2183,
 2184, 2194, 2197, 2210, 2225,
 2255, 2287, 2291, 2316, 2378,
 2392, 2396, 2398, 2399, 2402,
 2408, 2410, 2412, 2428, 2431,
 2447, 2448, 2451, 2464, 2466,
 2469, 2486, 2691, 2747, 2755,
 2763, 2771, 2779, 2787, 2795,
 2803, 2811, 2812, 2862, 2863,
 2864, 2870, 2871, 2875, 3232,
 3235, 3240, 3254, 3270, 3271,
 3272, 3273, 3277, 3278, 3279,
 3288, 3291, 3393, 3494, 3510,
 3525, 3540, 3555, 3568, 3577,
 3586, 3638, 3639, 3640, 3641,
 3642, 3643, 3644, 3645, 3646,
 3647, 3648, 3649, 3650, 3651,
 3652, 3653, 3654, 3655, 3656,
 3657, 3665, 3667, 3670, 3679,
 3684, 3693, 3719, 3732, 3743,
 3757, 3763, 3766, 3769, 3773,
 3785, 3794, 3820, 3833, 3844,
 3862, 3867, 3874, 3884, 3903,
 3905, 3906, 3910, 3914, 3918,
 3924, 3928, 3984, 4140, 4145,
 4157, 4161, 4169, 4173, 4177,
 4203, 4207, 4434, 4704, 4705,
 4706, 5200, 5202, 5226, 5379,
 5409, 5424, 5436, 5437, 5462,
 5463, 5464, 5465, 5469, 5473,
 5477, 5481, 5485, 5489, 5510,
 5512, 5514, 5532, 5534, 5538,
 5545, 5581, 5582, 5585, 5586,
 5587, 5588, 5597, 5600, 5607,
 5608, 5614, 5615, 5618, 5802
 \backslash def@NAT@last@yr 2326, 2328
 \backslash DefaultDisplayMathsDigits 4018,
 5464, 5467
 \backslash defaultfontfeatures 4151
 \backslash DefaultInlineMathsDigits 4010,
 5463, 5466
 \backslash DefaultMathsDigits . . 4002, 5465
 \backslash define@choicekey . . 3998, 4006,
 4014, 4022, 4029, 4037, 4044,
 4051, 4057, 4069, 4075, 4081,
 4085, 4091, 4095, 4101, 4114,
 4126, 4138, 4180, 4187, 4194,
 4201, 4216, 4226, 4235
 \backslash define@key 2492
 \backslash define@mathalphabet 5258
 \backslash define@mathgroup 5258
 \backslash deflatinfont 3032
 \backslash defpersianfont 3008
 \backslash depth 2500, 2501
 \backslash DigitsDotDashInterCharToks . .
 2954
 \backslash dimexpr . . 3236, 3238, 3241, 3243,
 3340, 3390, 3544, 3559, 3572,
 3581, 3590, 4274, 4278, 4283,
 4284, 4285
 \backslash ding 5581, 5582
 \backslash display@setup 137, 162
 \backslash divide 4673, 4674, 5669, 5677, 5682,
 5709, 5715, 5723, 5725, 5728,
 5732, 5736, 5740



`\do` 1850, 2203, 2292, 2493, 3290, 3986,
 5271
`\document@select@group` . . . 5226
`\dorestore@version` 5260
`\dosetclass` 1608, 1609, 1613
`\doublebox` 5012, 5065
`\dquad` 170, 172
`\dseries@display@setup` . . . 162

E

`\e@alloc@intercharclass@top` . .
 2949, 2950
`\edef` . 1918, 1973, 2007, 2071, 2079,
 2096, 2205, 2294, 2454, 2819,
 2840, 2869, 2872, 3292, 3388,
 3391, 3401, 3418, 3435, 3446,
 3452, 3458, 3464, 3470, 3476,
 3482, 3497, 3513, 3528, 3543,
 3558, 3571, 3580, 3589, 3989,
 5547
`\edition` 4731
`\editionFormat` 4440, 4443
`\editorialAuthorFormat` . . 4583,
 5147
`\editorialTitleFormat` 4581, 4582
`\egroup` 2970
`\else` 2, 3,
 5, 7, 32, 63, 92, 140, 170, 1190,
 1191, 1192, 1193, 1194, 1195,
 1196, 1197, 1198, 1199, 1200,
 1289, 1304, 1311, 1319, 1326,
 1334, 1341, 1349, 1356, 1363,
 1370, 1377, 1384, 1391, 1398,
 1405, 1412, 1419, 1426, 1433,
 1440, 1447, 1454, 1516, 1527,
 1529, 1531, 1541, 1542, 1543,
 1544, 1545, 1546, 1547, 1548,
 1549, 1550, 1551, 1552, 1553,
 1554, 1555, 1556, 1612, 1629,
 1634, 1637, 1639, 1650, 1651,
 1663, 1666, 1669, 1672, 1675,
 1678, 1681, 1684, 1687, 1785,
 1786, 1787, 1788, 1789, 1790,
 1791, 1792, 1793, 1831, 1839,
 1844, 1854, 1860, 1913, 1916,
 1921, 1922, 1923, 1924, 1925,

1935, 1950, 1951, 1952, 1953,
 1954, 1955, 1956, 1957, 1958,
 1959, 1960, 1961, 1967, 1968,
 1969, 1971, 1972, 1975, 1976,
 1977, 1978, 1979, 1980, 1982,
 1983, 1984, 1985, 1986, 1989,
 1990, 1991, 1992, 1993, 1994,
 2001, 2002, 2003, 2005, 2006,
 2009, 2010, 2011, 2012, 2013,
 2014, 2016, 2017, 2018, 2019,
 2020, 2021, 2022, 2025, 2026,
 2027, 2028, 2029, 2030, 2050,
 2051, 2052, 2053, 2054, 2055,
 2056, 2057, 2058, 2060, 2061,
 2062, 2063, 2064, 2065, 2090,
 2091, 2092, 2094, 2095, 2098,
 2099, 2100, 2101, 2102, 2103,
 2104, 2105, 2106, 2107, 2108,
 2109, 2110, 2111, 2113, 2114,
 2115, 2116, 2117, 2120, 2121,
 2122, 2123, 2124, 2125, 2137,
 2147, 2172, 2185, 2217, 2222,
 2231, 2234, 2248, 2252, 2261,
 2265, 2268, 2280, 2284, 2285,
 2306, 2327, 2341, 2343, 2346,
 2360, 2362, 2373, 2396, 2407,
 2420, 2422, 2425, 2440, 2442,
 2448, 2456, 2464, 2491, 2494,
 2495, 2496, 2497, 2498, 2499,
 2500, 2501, 2502, 2605, 2626,
 2639, 2669, 2694, 2720, 2736,
 2737, 2738, 2739, 2740, 2741,
 2742, 2743, 2744, 2745, 2751,
 2759, 2767, 2775, 2783, 2791,
 2799, 2806, 2847, 2853, 2859,
 2886, 2969, 2970, 3300, 3315,
 3326, 3353, 3354, 3355, 3357,
 3360, 3361, 3363, 3367, 3368,
 3369, 3371, 3374, 3375, 3377,
 3638, 3639, 3640, 3641, 3642,
 3643, 3644, 3645, 3646, 3647,
 3648, 3649, 3650, 3651, 3652,
 3653, 3654, 3655, 3656, 3664,
 3669, 3687, 3689, 3697, 3698,
 3699, 3700, 3701, 3702, 3703,
 3704, 3722, 3737, 3751, 3764,



3767, 3788, 3790, 3798, 3799,	\endgroup . 2391, 2469, 2865, 2873,
3800, 3801, 3802, 3803, 3804,	3496, 3512, 3527, 3542, 3557,
3805, 3823, 3838, 3851, 3852,	3570, 3579, 3588, 5211, 5235,
3855, 3886, 3888, 3890, 3892,	5438, 5439, 5440, 5441, 5442,
3894, 3993, 4110, 4122, 4134,	5443, 5444, 5445, 5446, 5447,
4319, 4650, 5128, 5203, 5216,	5448, 5449
5222, 5227, 5242, 5248, 5343,	\endL 4480, 4881
5430, 5438, 5439, 5440, 5441,	\endlatin 3271
5442, 5443, 5444, 5445, 5446,	\endLTR 3271
5447, 5448, 5462, 5470, 5471,	\endMakeFramed 1535
5472, 5474, 5475, 5476, 5482,	\endmath 167
5483, 5484, 5486, 5487, 5488,	\endpersian 3273
5675, 5679, 5684, 5685, 5692,	\endquestion 5626
5713, 5718, 5748, 5784, 5792	\endR . 4484, 4485, 4486, 4497, 4498,
\empty 1611	4499, 4704, 4705, 4706, 4724,
\enclname 3653	4745, 4746, 4747, 4748, 4749,
\encodingdefault 2924, 2998, 3104,	4750, 4901, 4996
3128, 3152, 3176, 3200, 3224	\endRTL 3273
\end . . 1608, 1609, 1614, 1615, 2382,	\ends@math 167
2383, 2454, 2465, 3274, 3275,	\endtrivlist 2159, 2469
3635, 4448, 4453, 4510, 4524,	\end . . . 2159, 2163, 2469, 2470
4534, 4543, 4566, 4605, 4608,	\ensuremath 2843
4611, 4628, 4683, 4689, 4766,	\eq@addpunct 172
4772, 4776, 4802, 4808, 4842,	\eq@group 140, 149
4862, 4877, 4883, 4919, 4920,	\eq@GRP@first@dmath 149
4921, 4944, 4945, 4946, 4970,	\eq@prelim 140, 157
4971, 4972, 4997, 4998, 5001,	\eq@setnumber 143
5031, 5035, 5046, 5047, 5084,	\eq@setup@a 145
5088, 5117, 5148, 5149, 5163,	\eq@startup 146
5175, 5188, 5520, 5523, 5525,	\eq@wdCond 164
5528, 5574, 5575, 5579, 5633	\eqcommand 176,
\end@correction 5613	177, 178, 179, 180, 181, 182,
\endcomment 5606	183, 184, 185, 186, 187, 188,
\endcorrection 5606, 5613	189, 190, 191, 192, 193, 194,
\endcsname 1695, 1888, 1928, 2133,	195, 196, 197, 198, 199, 200,
2136, 2143, 2146, 2163, 2470,	201, 202, 203, 204, 205, 206,
2487, 2488, 2489, 2490, 2491,	207, 208, 209, 210, 211, 212,
2601, 2635, 2665, 2866, 2869,	213, 214, 215, 216, 217, 218,
2875, 2877, 3298, 3495, 3511,	219, 220, 221, 222, 223, 224,
3526, 3541, 3556, 3569, 3578,	225, 226, 227, 228, 229, 230,
3587, 3665, 3670, 3673, 3779,	231, 232, 233, 234, 235, 236,
3903, 4290, 4292, 4296, 4298,	237, 238, 239, 240, 241, 242,
4302, 4304, 5206, 5209, 5214,	243, 244, 245, 246, 247, 248,
5215, 5230, 5233, 5237, 5239,	249, 250, 251, 252, 253, 254,
5241, 5276, 5278, 5769, 5778,	255, 256, 257, 258, 259, 260,
5789	261, 262, 263, 264, 265, 266,



267, 268, 269, 270, 271, 272,
273, 274, 275, 276, 277, 278,
279, 280, 281, 282, 283, 284,
285, 286, 287, 288, 289, 290,
291, 292, 293, 294, 295, 296,
297, 298, 299, 300, 301, 302,
303, 304, 305, 306, 307, 308,
309, 310, 311, 312, 313, 314,
315, 316, 317, 318, 319, 320,
321, 322, 323, 324, 325, 326,
327, 328, 329, 330, 331, 332,
333, 334, 335, 336, 337, 338,
339, 340, 341, 342, 343, 344,
345, 346, 347, 348, 349, 350,
351, 352, 353, 354, 355, 356,
357, 358, 359, 360, 361, 362,
363, 364, 365, 366, 367, 368,
369, 370, 371, 372, 373, 374,
375, 376, 377, 378, 379, 380,
381, 382, 383, 384, 385, 386,
387, 388, 389, 390, 391, 392,
393, 394, 395, 396, 397, 398,
399, 400, 401, 402, 403, 404,
405, 406, 407, 408, 409, 410,
411, 412, 413, 414, 415, 416,
417, 418, 419, 420, 421, 422,
423, 424, 425, 426, 427, 428,
429, 430, 431, 432, 433, 434,
435, 436, 437, 438, 439, 440,
441, 442, 443, 444, 445, 446,
447, 448, 449, 450, 451, 452,
453, 454, 455, 456, 457, 458,
459, 460, 461, 462, 463, 464,
465, 466, 467, 468, 469, 470,
471, 472, 473, 474, 475, 476,
477, 478, 479, 480, 481, 483,
484, 485, 486, 487, 488, 489,
490, 491, 492, 493, 494, 495,
496, 497, 498, 499, 500, 501,
502, 503, 504, 505, 506, 507,
508, 509, 510, 511, 512, 513,
514, 515, 516, 517, 518, 519,
520, 521, 522, 523, 524, 525,
526, 527, 528, 529, 530, 531,
532, 533, 534, 535, 536, 537,
538, 539, 540, 541, 542, 543,

544, 545, 546, 547, 548, 549,
550, 551, 552, 553, 554, 555,
556, 557, 558, 559, 560, 561,
562, 563, 564, 565, 566, 567,
568, 569, 570, 571, 572, 573,
574, 575, 576, 577, 578, 579,
580, 581, 582, 583, 584, 585,
586, 587, 588, 589, 590, 591,
592, 593, 594, 595, 596, 597,
598, 599, 600, 601, 602, 603,
604, 605, 606, 607, 608, 609,
610, 611, 612, 613, 614, 615,
616, 617, 618, 619, 620, 621,
622, 623, 624, 625, 626, 627,
628, 629, 630, 631, 632, 633,
634, 635, 636, 637, 638, 639,
640, 641, 642, 643, 644, 645,
646, 647, 648, 649, 650, 651,
652, 653, 654, 655, 656, 657,
658, 659, 660, 661, 662, 663,
664, 665, 666, 667, 668, 669,
670, 671, 672, 673, 674, 675,
676, 677, 678, 679, 680, 681,
682, 683, 684, 685, 686, 687,
688, 689, 690, 691, 692, 693,
694, 695, 696, 697, 698, 699,
700, 701, 702, 703, 704, 705,
706, 707, 708, 709, 710, 711,
712, 713, 714, 715, 716, 717,
718, 719, 720, 721, 722, 723,
724, 725, 726, 727, 728, 729,
730, 731, 732, 733, 734, 735,
736, 737, 738, 739, 740, 741,
742, 743, 744, 745, 746, 747,
748, 749, 750, 751, 752, 753,
754, 755, 756, 757, 758, 759,
760, 761, 762, 763, 764, 765,
766, 767, 768, 769, 770, 771,
772, 773, 774, 775, 776, 777,
778, 779, 780, 781, 782, 783,
784, 785, 786, 788, 789, 790,
791, 792, 793, 794, 795, 796,
797, 798, 799, 800, 801, 802,
803, 804, 805, 806, 807, 808,
809, 810, 811, 812, 813, 814,
815, 816, 817, 818, 819, 820,



821, 822, 823, 824, 825, 826,	1081, 1082, 1083, 1084, 1085,
827, 828, 829, 830, 831, 832,	1086, 1087, 1088, 1089, 1090,
833, 834, 835, 836, 837, 838,	1091, 1092, 1093, 1094, 1095,
839, 840, 841, 842, 843, 844,	1096, 1097, 1098, 1099, 1100,
845, 846, 847, 848, 849, 850,	1101, 1102, 1103, 1104, 1105,
851, 852, 853, 854, 855, 856,	1106, 1107, 1108, 1109, 1110,
857, 858, 859, 860, 861, 862,	1111, 1112, 1113, 1114, 1115,
863, 864, 865, 866, 867, 868,	1116, 1117, 1118, 1129, 1130,
869, 870, 871, 872, 873, 874,	1131, 1132, 1133, 1134, 1135,
875, 876, 877, 878, 879, 880,	1136, 1137, 1138, 1139, 1140,
881, 882, 883, 884, 885, 886,	1141, 1142, 1143, 1144, 1145,
887, 888, 889, 890, 891, 892,	1146, 1147, 1148, 1149, 1150,
893, 894, 895, 896, 897, 898,	1151, 1152, 1153, 1154, 1155,
899, 900, 901, 902, 903, 904,	1156, 1157, 1158, 1159, 1160,
905, 906, 907, 908, 909, 910,	1161, 1162, 1163, 1164, 1165,
911, 912, 913, 914, 915, 916,	1166, 1167, 1168, 1169, 1170,
917, 918, 919, 920, 921, 922,	1171, 1172, 1173, 1174, 1175,
923, 924, 925, 926, 927, 928,	1176, 1177, 1178, 1179, 1180,
929, 930, 931, 932, 933, 934,	1181, 1182, 1183, 1184, 1185,
935, 936, 937, 938, 939, 940,	1186, 1187, 1694
941, 942, 943, 944, 945, 946,	<code>\eqenvironment</code> . 1217, 1218, 1219,
947, 948, 949, 950, 951, 952,	1220, 1221, 1222, 1223, 1224,
953, 954, 955, 956, 957, 958,	1225, 1226, 1227, 1228, 1229,
959, 960, 961, 962, 963, 964,	1230, 1231, 1232, 1233, 1234,
965, 966, 967, 968, 969, 970,	1235, 1236, 1237, 1238, 1239,
971, 972, 973, 974, 975, 976,	1240, 1241, 1242, 1243, 1244,
977, 978, 979, 980, 981, 982,	1245, 1246, 1247, 1248, 1249,
983, 984, 985, 986, 987, 988,	1250, 1251, 1252, 1253, 1254,
989, 990, 991, 992, 993, 994,	1255, 1256, 1257, 1258, 1260,
995, 996, 997, 998, 999, 1000,	1261, 1262, 1263, 1264, 1265,
1001, 1002, 1003, 1004, 1005,	1266, 1267, 1268, 1269, 1695
1006, 1007, 1008, 1009, 1010,	<code>\eqstyle</code> 142
1011, 1012, 1013, 1014, 1015,	<code>\equal</code> 4679, 4834, 5006, 5011, 5016,
1016, 1017, 1018, 1019, 1020,	5021, 5026, 5059, 5064, 5069,
1021, 1022, 1023, 1024, 1025,	5074, 5079
1026, 1027, 1028, 1029, 1030,	<code>\equationautorefname</code> 1541
1031, 1032, 1033, 1034, 1035,	<code>\escapechar</code> 2868, 5208, 5232
1036, 1037, 1038, 1039, 1040,	<code>\etex</code> 5341
1041, 1042, 1043, 1044, 1045,	<code>\everydisplay</code> . . . 137, 5497, 5498
1046, 1047, 1048, 1049, 1050,	<code>\everyjob</code> 2840, 2841
1051, 1052, 1053, 1054, 1055,	<code>\everymath</code> 5494
1056, 1057, 1058, 1059, 1060,	<code>\everypar</code> 3284
1061, 1062, 1063, 1064, 1065,	<code>\ExecuteOptions</code> 5616
1066, 1067, 1068, 1069, 1070,	<code>\ExecuteOptionsX</code> 4243
1071, 1072, 1073, 1074, 1075,	<code>\exp</code> . . 2916, 2918, 2919, 2920, 2941,
1076, 1077, 1078, 1079, 1080,	2943, 2944, 2945, 2990, 2992,



2993, 2994, 3023, 3025, 3026,	<code>\fboxrule</code> . 1524, 1526, 1528, 1530,
3027, 3047, 3049, 3050, 3051,	4700
3096, 3098, 3099, 3100, 3120,	<code>\fboxsep</code> . . 1524, 1526, 1528, 1530,
3122, 3123, 3124, 3144, 3146,	4631, 4824, 4856, 4928, 4956,
3147, 3148, 3168, 3170, 3171,	5004, 5053
3172, 3192, 3194, 3195, 3196,	<code>\fi</code> 2, 3, 5, 7, 35,
3216, 3218, 3219, 3220	63, 68, 92, 136, 138, 139, 140,
<code>\expandafter</code> 137, 1608, 1614, 1848,	148, 159, 161, 170, 1203, 1289,
1849, 1973, 2007, 2096, 2133,	1306, 1313, 1321, 1328, 1336,
2136, 2143, 2146, 2163, 2205,	1343, 1351, 1358, 1365, 1372,
2294, 2410, 2415, 2416, 2421,	1379, 1386, 1393, 1400, 1407,
2426, 2427, 2433, 2434, 2435,	1414, 1421, 1428, 1435, 1442,
2436, 2443, 2444, 2445, 2446,	1449, 1456, 1516, 1527, 1529,
2448, 2457, 2458, 2459, 2460,	1531, 1541, 1542, 1543, 1544,
2470, 2487, 2488, 2489, 2490,	1545, 1546, 1547, 1548, 1549,
2846, 2848, 2852, 2854, 2858,	1550, 1551, 1552, 1553, 1554,
2860, 2865, 2866, 2869, 2872,	1555, 1556, 1605, 1613, 1629,
2873, 2875, 2876, 3292, 3394,	1634, 1637, 1639, 1650, 1651,
3665, 3670, 3673, 3688, 3694,	1665, 1668, 1671, 1674, 1677,
3779, 3789, 3795, 3889, 3891,	1680, 1683, 1686, 1689, 1785,
3893, 3895, 3903, 5203, 5222,	1786, 1787, 1788, 1789, 1790,
5227, 5236, 5237, 5238, 5248,	1791, 1792, 1793, 1834, 1835,
5494, 5497, 5548	1841, 1856, 1857, 1862, 1863,
<code>\expandedtitle</code> 5000	1866, 1869, 1872, 1875, 1878,
<code>\ExplSyntaxOff</code> . 1513, 2162, 2484,	1881, 1885, 1886, 1894, 1912,
3231, 4241, 4271, 5273, 5429	1913, 1919, 1926, 1929, 1934,
<code>\ExplSyntaxOn</code> . . 1459, 2160, 2472,	1935, 1954, 1955, 1956, 1957,
2891, 4233, 4266, 5252, 5279	1961, 1962, 1963, 1977, 1978,
<code>\extract@alph@from@version</code> 5236	1979, 1980, 1995, 1996, 2011,
	2012, 2013, 2014, 2031, 2032,
F	2046, 2055, 2056, 2057, 2058,
<code>\f@baselineskip</code> 3249, 3263, 3487,	2065, 2066, 2070, 2075, 2078,
3594, 4310, 4312	2083, 2086, 2100, 2101, 2102,
<code>\f@family</code> 2969, 2970	2103, 2126, 2127, 2137, 2147,
<code>\f@size</code> 1486, 1495, 1505, 3249, 3263	2159, 2177, 2195, 2216, 2218,
<code>\f@ur</code> . 1605, 3306, 3322, 3323, 3324,	2229, 2233, 2242, 2243, 2247,
3327, 3328, 3329	2259, 2264, 2268, 2272, 2273,
<code>\false</code> 5593	2277, 2282, 2283, 2284, 2285,
<code>\falsesymbol</code> 5584	2305, 2307, 2329, 2337, 2345,
<code>\familydefault</code> . 2923, 2997, 3103,	2346, 2355, 2356, 2362, 2365,
3127, 3151, 3175, 3199, 3223	2375, 2396, 2411, 2429, 2449,
<code>\fancyfoot</code> . 4744, 4748, 4749, 4750	2462, 2465, 2491, 2503, 2606,
<code>\fancyhead</code> . 4743, 4745, 4746, 4747	2607, 2608, 2609, 2610, 2611,
<code>\FancyVerbLineautorefname</code> 1554	2612, 2613, 2614, 2615, 2616,
<code>\fbox</code> . . 4628, 4643, 4858, 5570, 5630	2617, 2618, 2619, 2620, 2621,
	2626, 2640, 2641, 2642, 2643,



2644, 2645, 2646, 2647, 2648,
 2649, 2650, 2651, 2652, 2653,
 2654, 2655, 2670, 2671, 2672,
 2673, 2674, 2675, 2676, 2677,
 2678, 2679, 2680, 2681, 2682,
 2683, 2684, 2685, 2696, 2722,
 2736, 2737, 2738, 2739, 2740,
 2741, 2742, 2743, 2744, 2745,
 2753, 2761, 2769, 2777, 2785,
 2793, 2801, 2808, 2849, 2855,
 2861, 2879, 2880, 2888, 2969,
 2970, 3293, 3300, 3314, 3319,
 3320, 3321, 3325, 3330, 3331,
 3332, 3333, 3342, 3353, 3354,
 3355, 3359, 3361, 3365, 3366,
 3368, 3369, 3373, 3375, 3379,
 3380, 3381, 3501, 3517, 3532,
 3548, 3564, 3573, 3582, 3591,
 3638, 3639, 3640, 3641, 3642,
 3643, 3644, 3645, 3646, 3647,
 3648, 3649, 3650, 3651, 3652,
 3653, 3654, 3655, 3656, 3664,
 3669, 3691, 3705, 3717, 3722,
 3723, 3726, 3728, 3729, 3741,
 3745, 3747, 3748, 3750, 3753,
 3755, 3761, 3764, 3767, 3771,
 3776, 3792, 3806, 3818, 3823,
 3824, 3827, 3829, 3830, 3842,
 3846, 3848, 3849, 3851, 3857,
 3858, 3860, 3865, 3872, 3878,
 3896, 3897, 3898, 3899, 3900,
 3901, 3908, 3909, 3912, 3913,
 3916, 3917, 3919, 3920, 3932,
 3993, 4005, 4013, 4021, 4027,
 4034, 4042, 4049, 4056, 4068,
 4074, 4080, 4084, 4090, 4094,
 4100, 4112, 4113, 4124, 4125,
 4136, 4137, 4149, 4185, 4192,
 4199, 4213, 4224, 4231, 4240,
 4264, 4321, 4322, 4324, 4653,
 4654, 4859, 4876, 5040, 5114,
 5133, 5160, 5185, 5203, 5221,
 5222, 5227, 5247, 5248, 5345,
 5432, 5450, 5451, 5452, 5453,
 5454, 5455, 5456, 5457, 5458,
 5459, 5460, 5462, 5470, 5471,
 5472, 5474, 5475, 5476, 5482,
 5483, 5484, 5486, 5487, 5488,
 5684, 5686, 5687, 5688, 5694,
 5718, 5719, 5739, 5750, 5771,
 5780, 5787, 5794, 5809
 \figureautorefname 1544
 \figurename 1315, 3638
 \finishsetclass 1611, 1615
 \firstarticle 4755, 4779, 4780,
 4782
 \FirstFrameCommand 1526
 \firstimage 4852, 4865, 4866, 4868
 \firstTextFormat 4513, 4515
 \firstTitleFormat 4501, 4507, 4508
 \float@box 2134, 2144
 \float@endH 2133, 2143
 \floatsep 3598, 3602, 3603
 \flushright 4501, 4520, 4539
 \font 3310
 \font@name 4290, 4292, 4296, 4298,
 4302, 4304
 \fontencoding 2918, 2944, 2992,
 3026, 3050, 3098, 3122, 3146,
 3170, 3194, 3218
 \fontfamily 2919, 2943, 2993, 3025,
 3049, 3064, 3067, 3070, 3073,
 3076, 3079, 3099, 3123, 3147,
 3171, 3195, 3219
 \fontsize 3249, 3263
 \fontspec 2161, 2479, 2914, 2938,
 2989, 3020, 3044, 3094, 3118,
 3142, 3166, 3190, 3214, 5371,
 5405, 5420
 \foot 4496
 \footdir@debugfalse 4079
 \footdir@debugtrue 4077
 \footins 3596
 \footnote 4593
 \footnoteautorefname 1542
 \footnoterule 4592
 \footnotesep 3595, 4318, 4320
 \footnotesize 84, 86, 88, 1289, 1290,
 1291, 1516, 1518, 1520, 3435,
 3436, 4421, 4422, 4456, 4489,
 4554, 4578, 4579, 4591
 \foottextfont 1289



\FrameCommand	1524	2571, 2577, 2578, 2584, 2585,	
\FrameRestore	1532	2592, 2593, 2600, 2633, 2634,	
\Frefchapname	1300, 1369, 1371	2663, 2664, 4434, 4704, 4705,	
\frefchapname	1367	4706, 5435, 5511, 5513, 5531,	
\Frefenumname	1301, 1376, 1378	5533, 5535, 5541, 5542, 5558,	
\frefenumname	1374	5583, 5584, 5598, 5617, 5619,	
\Frefeqname	1308, 1383, 1385	5624, 5635	
\frefeqname	1381	\get@cdp	5262
\Freffigname	1315, 1348, 1390, 1392	\getanddefine@fonts	4289, 4295,
\freffigname	1388	4301, 5209, 5233	
\Freffigshortname	1346, 1439, 1441	\Gin@boolkey	2486
\freffigshortname	1437	\glb@currsiz	5370
\Freffnname	1316, 1397, 1399	\global	73, 74, 139, 149, 150, 151, 152,
\freffnname	1395	153, 154, 155, 156, 164, 1891,	
\Frefonname	1323, 1404, 1406	1895, 2215, 2304, 4613, 4614,	
\frefonname	1402	4615, 4616, 4617, 4618, 4619,	
\Frefpgname	1330, 1355, 1411, 1413	4620, 4621, 4622, 5215, 5241	
\frefpgname	1409	\globaldefs	5210, 5234
\Frefpgshortname	1353, 1446, 1448	\glsaddprotectedpagefmt	1537,
\frefpgshortname	1444	1538, 1539	
\Frefsecname	1331, 1418, 1420	\goodbreak	5191
\frefsecname	1416	\grid	4395, 4399, 4661
\Frefseenname	1338, 1425, 1427	\Grot@x	2494, 2495, 2496, 2497
\frefseenname	1423	\Grot@y	2498, 2499, 2500, 2501, 2502,
\Freftabname	1345, 1432, 1434	2503	
\freftabname	1430	\group	2479
\Freftabshortname	1360, 1453, 1455	\group@elt	5261
\freftabshortname	1451	\group@list	5261
\frenchspacing	2158, 2466	\grp@aligned	155
\frontmatter	15, 95, 106, 124, 1277,	\GRP@box	150
2625		\grp@eqs@numbered	154
\futurelet	2401, 5435	\grp@hasNumber	159
		\GRP@label	151
G		\grp@linewidth	153
\g	1502, 2918, 2924, 2944, 2992, 2998,	\GRP@queue	150
3026, 3050, 3098, 3104, 3122,		\grp@setnumber	159
3128, 3146, 3152, 3170, 3176,		\grp@shiftnumber	156
3194, 3200, 3218, 3224, 5253,		\grp@wdL	152
5371, 5374, 5375, 5376, 5377,		\grp@wdNum	153
5405, 5407, 5420, 5422		\grp@wdR	152
\g@addto@macro	5545	\grp@wdT	152
\G@refundefinedtrue	3295		
\gdef	43, 49, 55, 61, 102, 103, 113, 114,	H	
120, 121, 132, 133, 1275, 1285,		\harfi	1190, 1208, 1213, 1774, 2606,
1286, 1297, 1298, 1561, 1562,		2640, 2670, 3670	
1577, 1579, 1780, 1781, 2570,		\harfinumeral	3671



`\hbox` . 2042, 2699, 2703, 3294, 3636, 3637
`\headDateTimeFormat` .. 4460, 4462
`\headerfont` 5511
`\headheight` 4694
`\heading` 4483
`\headrulewidth` 4695, 4751
`\headtoname` 3655
`\height` 2498, 2499
`\hfil` . 2038, 2039, 2040, 2041, 2073, 2074, 2075, 2081, 2082, 2083
`\hline` 5144, 5552, 5553, 5556, 5557, 5577, 5578
`\hrule` 1605, 5027, 5033, 5080, 5086, 5131, 5171
`\hrulefill` 4709, 4714, 4728
`\hsize` 1532, 1899, 1915, 1940, 1941, 2139, 2149
`\hskip` 1605, 2040, 2041, 2083
`\hspace` 4462, 4480, 4709, 4715, 4727, 4729, 4907
`\hss` 1927, 3616
`\Huge` .. 3482, 3483, 4432, 4501, 4557
`\huge` 3476, 3477, 4431
`\Hy@AlphNoErr` 1577, 1579
`\Hy@appendixstring` .. 1563, 1581
`\Hy@backout` 69, 77
`\Hy@chapapp` 1563, 1581
`\HyOrg@appendix` 1558, 1564
`\HyOrg@resets@pp` 1574, 1582
`\hyper@natlinkbreak` .. 2237, 2268
`\hyper@natlinkstart` 77

I

`\if` . 140, 159, 1852, 1858, 1864, 1867, 1870, 1873, 1876, 1879, 1882, 1913, 1920, 1921, 1922, 1923, 1935, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1975, 1976, 1977, 1978, 1979, 1980, 1982, 1983, 1984, 1985, 1986, 1989, 1990, 1991, 1992, 1993, 1994, 2009, 2010, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2025, 2026, 2027, 2028, 2029, 2030, 2053, 2054, 2055, 2056, 2057, 2058, 2060, 2061, 2062, 2063, 2064, 2065, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2113, 2114, 2115, 2116, 2117, 2120, 2121, 2122, 2123, 2124, 2125, 2220, 2250, 2268, 2278, 2284, 2285, 2346, 2362, 2394, 2414, 2420, 2422, 2432, 2440, 2442, 2464, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503
`\if@@textdigitfont@on` 2969, 2970, 3345
`\if@bidi@algorithmicloaded@` 1663
`\if@bidi@algorithmloaded@` 1666
`\if@bidi@backrefloaded@` .. 1669
`\if@bidi@csprimitive` 1694
`\if@bidi@csundef` 2955, 3630, 3883, 3934
`\if@bidi@enumerateloaded@` 1672
`\if@bidi@enumitemloaded@` . 1675
`\if@bidi@fancyrefloaded@` . 1678
`\if@bidi@tocloftloaded@` .. 1681
`\if@bidi@urlloaded@` 1684
`\if@bidi@variorefloaded@` . 1687
`\if@chapter@pp` 28
`\if@extrafootnotefeatures` 4261
`\if@files@w` 3293
`\if@hboxRconstruct` .. 1912, 1934
`\if@inlabel` 139
`\if@Kashida@on` 1602, 1604
`\if@Kashida@XB@fix` . 1603, 1629, 1634, 1637, 1639
`\if@LTRbibitems` 3930
`\if@newlist` 2159
`\if@nonlatin` 2692, 2969, 2970, 5482, 5483, 5484, 5486, 5487, 5488
`\if@noskipsec` 138
`\if@pboxsw` 1929
`\if@RTL` 2, 3, 5, 7, 63, 92, 136, 148, 161, 1302, 1309, 1317, 1324, 1332, 1339, 1347, 1354, 1361, 1368, 1375,



1382, 1389, 1396, 1403, 1410,	\iffontchar 3310
1417, 1424, 1431, 1438, 1445,	\ifhmode 1836
1452, 1527, 1529, 1531, 1541,	\ifinner 1842
1542, 1543, 1544, 1545, 1546,	\ifmmode 1924, 5205, 5229
1547, 1548, 1549, 1550, 1551,	\ifNAT@full 2217, 2306
1552, 1553, 1554, 1555, 1556,	\ifNAT@longnames 2213, 2302
1650, 1651, 1785, 1786, 1787,	\ifNAT@numbers 2166, 2373
1788, 1789, 1790, 1791, 1792,	\ifNAT@super 2167
1793, 1913, 1935, 2736, 2737,	\ifNAT@swa . . 2219, 2284, 2308, 2360
2738, 2739, 2740, 2741, 2742,	\ifnum . . 170, 1883, 1950, 1951, 1967,
2743, 2744, 2745, 2748, 2756,	1968, 1969, 1970, 1972, 2001,
2764, 2772, 2780, 2788, 2796,	2002, 2003, 2004, 2006, 2051,
2804, 3638, 3639, 3640, 3641,	2052, 2090, 2091, 2092, 2093,
3642, 3643, 3644, 3645, 3646,	2095, 2718, 2884, 3335, 3685,
3647, 3648, 3649, 3650, 3651,	3687, 3696, 3697, 3698, 3699,
3652, 3653, 3654, 3655, 3656	3700, 3701, 3702, 3703, 3720,
\if@RTL@footnote 1289, 1516	3722, 3724, 3726, 3728, 3733,
\if@RTLmain 3300	3744, 3745, 3747, 3749, 3750,
\if@RTLtab 1954, 1955, 1956, 1957,	3753, 3786, 3788, 3797, 3798,
1977, 1978, 1979, 1980, 2011,	3799, 3800, 3801, 3802, 3803,
2012, 2013, 2014, 2055, 2056,	3804, 3821, 3823, 3825, 3827,
2057, 2058, 2100, 2101, 2102,	3829, 3834, 3845, 3846, 3848,
2103	3850, 3851, 3853, 3858, 3885,
\if@tempswa . . 2337, 3501, 3517, 3532,	3887, 3889, 3891, 3893, 3895,
3548, 3564, 3573, 3582, 3591	3909, 3913, 3917, 3920, 5038,
\if@twoside 2626	5112, 5158, 5183, 5206, 5230,
\if@xepersian@@computeautoilg	5680, 5684, 5712, 5718, 5739,
. 3302, 4308	5766, 5770, 5775, 5779, 5781,
\ifadl@usingarypkg 1999	5790
\ifBR@verbose 66	\ifodd 1853, 1859, 5673, 5678
\ifcase . . 2037, 2068, 2072, 2076, 2080,	\ifthenelse . . 4381, 4393, 4402, 4506,
2219, 2249, 2342, 3658, 3667,	4521, 4540, 4561, 4679, 4757,
3695, 3758, 3764, 3767, 3770,	4758, 4788, 4820, 4834, 4854,
3774, 3796, 3863, 3868, 3875,	4872, 4896, 4926, 4950, 4977,
3907, 3911, 3915, 3919, 3988,	5006, 5011, 5016, 5021, 5026,
3999, 4007, 4015, 4023, 4030,	5059, 5064, 5069, 5074, 5079,
4038, 4045, 4052, 4058, 4070,	5559
4076, 4082, 4086, 4092, 4096,	\ifwritexviii . . 2883, 4104, 4116,
4102, 4115, 4127, 4139, 4181,	4128
4188, 4195, 4202, 4217, 4227,	\ifx . . . 1190, 1191, 1192, 1193, 1194,
4236, 5802	1195, 1196, 1197, 1198, 1199,
\ifdim . . 169, 2845, 2851, 2857, 3311,	1200, 1611, 1829, 1832, 1916,
3312, 3316, 3317, 3322, 3323,	2136, 2146, 2223, 2224, 2226,
3327, 3328, 3337, 3353, 3354,	2253, 2254, 2256, 2325, 2343,
3355, 3361, 3368, 3369, 3375,	2403, 2452, 2491, 2604, 2606,
4314, 4318, 4641, 5126	2607, 2608, 2609, 2610, 2611,



2612, 2613, 2614, 2615, 2616,
 2617, 2618, 2619, 2620, 2638,
 2640, 2641, 2642, 2643, 2644,
 2645, 2646, 2647, 2648, 2649,
 2650, 2651, 2652, 2653, 2654,
 2668, 2670, 2671, 2672, 2673,
 2674, 2675, 2676, 2677, 2678,
 2679, 2680, 2681, 2682, 2683,
 2684, 2866, 2874, 2969, 2970,
 5203, 5227, 5430, 5438, 5439,
 5440, 5441, 5442, 5443, 5444,
 5445, 5446, 5447, 5448, 5462,
 5470, 5471, 5472, 5474, 5475,
 5476, 5482, 5483, 5484, 5486,
 5487, 5488
 \ifXePersian@kabiseh . 5641, 5746
 \ifXePersian@leap ... 5641, 5690
 \IfxepersianPackageVersion 2856
 \IfxepersianPackageVersionBefore
 2850
 \IfxepersianPackageVersionLater
 2844
 \ifxetex 4634, 4857, 4874
 \ignorespaces 173, 2141, 2151, 2910,
 2934, 2978, 2985, 3090, 3114,
 3138, 3162, 3186, 3210, 4452,
 4505, 4515, 4520, 4528, 4533,
 4539, 4547, 4807, 4833, 4982
 \image 4629
 \immediate 3293, 4107, 4108, 4119,
 4120, 4131, 4132
 \includegraphics 4644, 4858, 4875
 \indexEntryFormat ... 4450, 4452
 \indexEntryPageFormat 4456, 4458
 \indexEntryPageTxt .. 4455, 4458
 \indexEntrySeparator . 4454, 4982
 \indexFormat 4446, 4448
 \indexitem . 4975, 4985, 4986, 4988
 \indexname 3644
 \init@restore@version 5212, 5260
 \innerAuthorFormat .. 4578, 5095
 \innerPlaceFormat ... 4579, 5095
 \innerSubtitleFormat . 4568, 4569
 \innerTextFinalMark .. 4580, 5116
 \innerTitleFormat 4557, 4562, 4563
 \input 1705, 1706, 1707, 1708, 1709,
 1710, 1711, 3938, 3939, 3940,
 3941, 3942, 3943, 3944, 3945,
 3946, 3947, 3948, 3949, 3950,
 3951, 3952, 3953, 3954, 3955,
 3956, 3957, 3958, 3959, 3960,
 3961, 3962, 3963, 3964, 3965,
 3966, 3967, 3968, 3969, 3970,
 3971, 3972, 3973, 3974, 3975,
 3976, 3977, 3978, 3979, 3980,
 3981, 3982, 4083, 4093, 4262,
 4263, 4269
 \insert@column . 2039, 2040, 2041,
 2042, 2044, 2045
 \int ... 5287, 5295, 5303, 5311, 5319
 \intermath@penalty 172
 \intextsep 3602
 \iranicdefault . 3058, 3070, 3215,
 3223
 \iranicfamily .. 3068, 3069, 3082,
 3216
 \item 5585, 5586, 5587, 5588
 \itemautorefname 1543
 \itemsep .. 3500, 3516, 3531, 3547,
 3563
 \itshape 3928, 5597

 J
 \jobname .. 4108, 4109, 4120, 4121,
 4132, 4133

 K
 \KashidaOff 1644
 \KashidaOn 1643, 1648
 \KashidaXBFixOff 1647
 \KashidaXBFixOn 1646
 \kern 2171, 3637
 \keys 1504, 2893, 2899
 \keyval@eq@alias@key . 1697, 1701
 \KV@@sp@def 3987

 L
 \l 1485, 1486, 1487, 1488, 1490, 1491,
 1493, 1494, 1495, 1496, 1501,
 1502, 1503, 1504, 1505, 1506,
 1510, 2895, 2896, 2903, 2914,
 2915, 2919, 2938, 2943, 2989,



2993, 3094, 3095, 3099, 3118,	2062, 2130, 2133, 2134, 2143,
3119, 3123, 3142, 3143, 3147,	2144, 2163, 2167, 2169, 2170,
3166, 3167, 3171, 3190, 3191,	2173, 2174, 2175, 2176, 2178,
3195, 3214, 3215, 3219, 4234,	2179, 2180, 2181, 2186, 2187,
4237, 4239, 4267, 5341	2188, 2189, 2190, 2191, 2192,
<code>\label</code> 5111, 5157, 5181	2202, 2211, 2214, 2217, 2218,
<code>\labelsep</code> . 3544, 3559, 3572, 3581,	2291, 2300, 2303, 2306, 2307,
3590	2315, 2370, 2395, 2406, 2413,
<code>\labelwidth</code> 3544, 3559, 3572, 3581,	2419, 2423, 2424, 2439, 2441,
3590	2461, 2470, 2488, 2490, 2604,
<code>\LARGE</code> 3470, 3471, 4430, 4517, 4581,	2638, 2668, 2689, 2717, 3233,
4584, 4597, 4599	3234, 3246, 3247, 3251, 3252,
<code>\Large</code> 3464, 3465, 4429, 4536, 4586,	3255, 3256, 3257, 3258, 3260,
4713, 4996, 5030	3261, 3265, 3266, 3276, 3289,
<code>\large</code> 3458, 3459, 4428, 4440, 4446,	3408, 3425, 3442, 3503, 3666,
4526, 4545, 4568, 4588, 4601,	3671, 3678, 3784, 3904, 3922,
4607, 4719	3923, 3925, 3926, 4141, 4142,
<code>\LastFrameCommand</code> 1530	4146, 4147, 4184, 4211, 4212,
<code>\lastpenalty</code> 170	4591, 4592, 4593, 4613, 4614,
<code>\lastskip</code> 169	4615, 4616, 4617, 4618, 4619,
<code>\latin</code> 3270	4620, 4621, 4622, 5201, 5217,
<code>\LatinAlphs</code> 3270, 3274, 3924	5243, 5370, 5495, 5499, 5514,
<code>\Latincite</code> 2369, 3286	5603, 5604, 5605, 5606, 5610,
<code>\latinfont</code> . 2990, 3246, 3248, 4152	5611, 5612, 5613, 5625, 5626,
<code>\latintoday</code> 3277	5799, 5800, 5801
<code>\lccode</code> 2388, 2389, 2390	<code>\lineskip</code> 4602
<code>\leaders</code> 1605	<code>\linespread</code> 3340
<code>\leavevmode</code> . . 138, 139, 1910, 1932,	<code>\linewidth</code> . 5551, 5555, 5570, 5630
2159, 3288, 3636	<code>\listalgorithmname</code> 7
<code>\leftfootnoterule</code> 4061	<code>\listfigurename</code> 3641
<code>\leftmargin</code> 3497, 3513, 3528, 3543,	<code>\listtablename</code> 3642
3544, 3558, 3559, 3571, 3572,	<code>\LoadClass</code> 4374
3580, 3581, 3589, 3590	<code>\logo</code> 4707, 4736
<code>\leftmargini</code> 3497, 3513, 3528	<code>\long</code> 1909
<code>\leftmarginii</code> 3543	<code>\longdate</code> 5091
<code>\leftmarginiii</code> 3558	<code>\loop</code> 3309, 5767, 5776
<code>\leftmarginiv</code> 3571	<code>\lower</code> 3636
<code>\leftmarginv</code> 3580	<code>\lowercase</code> 2391
<code>\leftmarginvi</code> 3589	<code>\lr</code> 1568, 2202, 2291, 3268, 3277, 3290,
<code>\let</code> . . . 11, 19, 73, 74, 149, 151, 154,	4434, 4489, 4881
155, 156, 162, 167, 1198, 1199,	<code>\LRE</code> 3268
1200, 1201, 1558, 1568, 1569,	<code>\lstlistingname</code> 1650
1574, 1589, 1611, 1613, 1903,	<code>\lstlistlistingname</code> 1651
1904, 1905, 1906, 1907, 1908,	<code>\LTR</code> 3270
1927, 1944, 1945, 1946, 1947,	<code>\LTRfoottextfont</code> 1290
2016, 2017, 2018, 2060, 2061,	<code>\ltx@ifundefined</code> 1560, 1572, 1576



M

`\m@ne` 2319, 5208, 5232
`\m@th` 1929
`\makeform` 5607, 5614
`\makeform@correction` . 5522, 5614
`\makeform@nocorrection` .. 5519, 5607
`\MakeFramed` 1532
`\MakeLowercase` . 1371, 1378, 1385, 1392, 1399, 1406, 1413, 1420, 1427, 1434, 1441, 1448, 1455
`\makemask` 5608, 5615
`\makemask@correction` . 5527, 5615
`\makemask@nocorrection` .. 5524, 5608
`\maketitle` 4590, 4614
`\MakeUppercase` 4556
`\makezwjletter` 1692, 1693
`\math@bgroup` 5203, 5227
`\math@fonts` 5210, 5234
`\math@version` .. 5206, 5209, 5214, 5215, 5219, 5230, 5233, 5237, 5239, 5241, 5245
`\mathalpha` 5380, 5381, 5382, 5383, 5384, 5385, 5386, 5387, 5388, 5389
`\mathbf` 5280, 5392
`\mathbin` 5390
`\mathchar@type` .. 5267, 5276, 5278
`\mathchardef` 5433
`\mathcode` . 5288, 5296, 5304, 5312, 5320, 5461
`\mathgroup` 5200
`\mathiranic` 3069
`\mathit` 5281, 5393
`\mathnavar` 3072
`\mathord` 5391
`\mathpersiansf` 3063
`\mathpersiantt` 3066
`\mathpook` 3075
`\mathrm` 5282, 5394
`\mathsayeh` 3078
`\mathsf` 5283, 5409
`\mathsurround` 166
`\mathtt` 5284, 5424
`\mbox` 2173

`\meaning` 2869, 2872
`\MessageBreak` .. 2228, 2229, 2258, 2259, 3935, 4779, 4811, 4845, 4865, 4886, 4889, 4911, 4936, 4962, 4985, 4988, 5563
`\MidFrameCommand` 1528
`\minilogo` 4718, 4932
`\minraggedcols` . 4357, 4358, 4396, 4400, 5038, 5112, 5158, 5183
`\mlftitle` 1789
`\mltttitle` 1790
`\month` 5667
`\msg` 1460, 1463, 5326, 5328
`\mtctitle` 1788
`\multido` 4680, 4686
`\multiply` . 1889, 5670, 5683, 5710, 5716, 5733, 5737
`\mylogo` 4723

N

`\n` 5435, 5438, 5439, 5440, 5441, 5442, 5443, 5444, 5445, 5446, 5447, 5448
`\NAT@@close` 2285, 2364
`\NAT@@Latin@citetp` . 2372, 2376, 2377, 2378
`\NAT@@open` 2268, 2344
`\NAT@alias` . 2246, 2276, 2311, 2354
`\NAT@all@names` . 2214, 2217, 2303, 2306
`\NAT@aysep` 2238
`\NAT@biblabel` 2189
`\NAT@biblabelnum` 2180
`\NAT@bibsetnum` 2181
`\NAT@bibsetup` 2190
`\NAT@cite` 2186
`\NAT@cite@list` 2203, 2292
`\NAT@citea@mbox` 2337
`\NAT@citenum` 2174
`\NAT@citesuper` 2167
`\NAT@citeundefined` .. 2208, 2298
`\NAT@citex` 2187
`\NAT@citexnum` 2178
`\NAT@close` 2182, 2193
`\NAT@cmprs` 2313, 2359
`\NAT@cmt` 2284, 2362



<code>\NAT@ctype</code>	2219, 2249, 2309, 2311, 2342, 2350, 2352, 2361, 2370	<code>\NAT@partrue</code>	2370
<code>\NAT@date</code>	2193, 2210, 2220, 2221, 2232, 2240, 2245, 2250, 2263, 2270, 2275, 2278, 2285	<code>\NAT@penalty</code>	2184, 2192, 2328, 2343
<code>\NAT@def@citea</code>	2247, 2279, 2340	<code>\NAT@reset@citea</code>	2201, 2290
<code>\NAT@def@citea@box</code>	2348	<code>\NAT@reset@parser</code>	2199, 2288
<code>\NAT@def@citea@close</code>	2281	<code>\NAT@set@cites</code>	2165, 2368
<code>\NAT@exlab</code>	2226, 2230, 2256, 2260	<code>\NAT@sort@cites</code>	2200, 2289
<code>\NAT@fullfalse</code>	2371	<code>\NAT@space</code>	2170, 2175, 2191, 2343
<code>\NAT@fulltrue</code>	2371	<code>\NAT@spacechar</code>	2175, 2182, 2191, 2193, 2231, 2238, 2262, 2268, 2344, 2346
<code>\NAT@hyper@</code>	2221, 2230, 2232, 2235, 2244, 2245, 2246, 2251, 2260, 2263, 2266, 2274, 2275, 2276, 2311, 2347	<code>\NAT@super@kern</code>	2171, 2176, 2344
<code>\NAT@hyper@citea@space</code>	2350, 2352, 2354	<code>\NAT@swafalse</code>	2374
<code>\NAT@idtxt</code>	2182, 2193	<code>\NAT@swatru</code>	2370
<code>\NAT@ifcat@num</code>	2314, 2317	<code>\NAT@temp</code>	2225, 2226, 2255, 2256
<code>\NAT@last@nm</code>	2211, 2223, 2253, 2300, 2343	<code>\NAT@test</code>	2311, 2344, 2350, 2352
<code>\NAT@last@num</code>	2300, 2317, 2318, 2336	<code>\NAT@year</code>	2202, 2211, 2224, 2254
<code>\NAT@last@yr</code>	2211, 2224, 2254, 2291, 2325, 2359	<code>\NAT@yrsep</code>	2223, 2253, 2343
<code>\NAT@last@yr@mbx</code>	2321, 2331	<code>\natexlab</code>	2183, 2194
<code>\NAT@Latin@cites</code>	2371, 2372	<code>\navardefault</code>	3059, 3073, 3143, 3151
<code>\NAT@Latin@citex</code>	2188, 2196, 2197	<code>\navarfamly</code>	3071, 3072, 3083, 3144
<code>\NAT@Latin@citexnum</code>	2179, 2286, 2287	<code>\NeedsTeXFormat</code>	2810, 4328, 5197, 5501, 5638
<code>\NAT@mbx</code>	2168, 2173, 2344, 2347, 2364	<code>\new@mathalphabet</code>	5263
<code>\NAT@merge</code>	2321, 2336	<code>\new@mathbf</code>	5285, 5392
<code>\NAT@name</code>	2182, 2193, 2214, 2218, 2303, 2307	<code>\new@mathgroup</code>	5200, 5201, 5256
<code>\NAT@nm</code>	2202, 2211, 2217, 2218, 2221, 2223, 2236, 2244, 2251, 2253, 2267, 2274, 2291, 2300, 2306, 2307, 2315, 2316, 2320, 2324, 2343	<code>\new@mathit</code>	5293, 5393
<code>\NAT@nmfmt</code>	2221, 2236, 2244, 2251, 2267, 2274	<code>\new@mathrm</code>	5301, 5394
<code>\NAT@num</code>	2182, 2291, 2300, 2314, 2315, 2336, 2347	<code>\new@mathsf</code>	5309, 5409
<code>\NAT@open</code>	2182, 2193	<code>\new@mathtt</code>	5317, 5424
<code>\NAT@parse</code>	2212, 2301	<code>\new@mathversion</code>	5261
		<code>\new@symbolfont</code>	5262
		<code>\newboolean</code>	4339, 4341, 4343, 4345, 4347, 4349, 4351
		<code>\newcolumnntype</code>	5515, 5516
		<code>\newcommand</code>	1643, 1644, 1646, 1647, 1692, 1694, 1695, 1697, 1701, 2196, 2286, 2372, 2377, 2724, 2842, 2844, 2850, 2856, 2969, 2970, 3056, 3057, 3058, 3059, 3060, 3061, 3307, 3347, 3348, 3352, 3384, 3624, 3629, 3672, 3675, 3778, 3781, 4282, 4336, 4391, 4435, 4436, 4439, 4440, 4441, 4446, 4447, 4450, 4451, 4454, 4455, 4456, 4457, 4460,



4461, 4465, 4466, 4469, 4470,
 4471, 4472, 4475, 4478, 4483,
 4488, 4491, 4493, 4496, 4501,
 4502, 4513, 4514, 4517, 4518,
 4526, 4527, 4530, 4531, 4536,
 4537, 4545, 4546, 4548, 4549,
 4550, 4551, 4554, 4555, 4557,
 4558, 4568, 4569, 4570, 4571,
 4572, 4573, 4578, 4579, 4580,
 4581, 4582, 4583, 4584, 4585,
 4586, 4587, 4588, 4589, 4624,
 4629, 4661, 4693, 4707, 4718,
 4723, 4731, 4755, 4786, 4818,
 4852, 4871, 4975, 4993, 5000,
 5042, 5050, 5093, 5099, 5119,
 5136, 5165, 5190, 5274, 5275,
 5277, 5430, 5431, 5511, 5513,
 5519, 5522, 5524, 5527, 5531,
 5533, 5535, 5583, 5584, 5589,
 5593, 5598, 5617, 5619, 5795
 \backslash newcount . 3303, 4353, 4354, 4357,
 4659, 4660, 5642, 5643, 5644,
 5645, 5646, 5647, 5648, 5649,
 5650, 5651, 5652, 5653, 5654,
 5655, 5657, 5658, 5659, 5660,
 5661, 5662, 5663, 5664
 \backslash newcounter 5536, 5537
 \backslash newdimen . . 3304, 3305, 4657, 4658
 \backslash NewDocumentCommand . 3011, 3035,
 5285, 5293, 5301, 5309, 5317
 \backslash newenvironment 1695, 2382, 2383,
 3274, 3275, 4626, 4732, 4894,
 4924, 4948, 5102, 5151, 5177,
 5565, 5599
 \backslash newfam 5201
 \backslash newfontface 2690
 \backslash newfontlanguage 2890
 \backslash newfontscript 2889
 \backslash newif 1602, 1603, 2883, 3302, 3345,
 5641
 \backslash newlength 4331, 4332, 4333, 4334,
 4335, 4337, 5529, 5620, 5622
 \backslash newmathalphabet 5257
 \backslash newmathalphabet@@ 5257
 \backslash newmathalphabet@@@ 5257
 \backslash newpage . . . 4106, 4118, 4130, 4742
 \backslash newsavebox 4625
 \backslash newsection 5099
 \backslash next . 1611, 1613, 1614, 2395, 2396,
 2397, 2401, 2403, 2406, 2410,
 2411, 2413, 2419, 2424, 2428,
 2430, 2439, 2441, 2447, 2450,
 2454, 2461, 2463
 \backslash nobreak 1604, 2168
 \backslash noexpand . 2394, 2414, 2420, 2422,
 2432, 2440, 2442, 2454, 2455,
 2464, 3402, 3408, 3419, 3425,
 3436, 3442, 3447, 3453, 3459,
 3465, 3471, 3477, 3483, 3501,
 3517, 3532, 3548, 3564, 3573,
 3582, 3591, 5213
 \backslash nohyphens . 4507, 4522, 4541, 4562
 \backslash noindent . 4452, 4467, 4505, 4515,
 4520, 4528, 4533, 4539, 4547,
 4552, 4556, 4560, 4709, 4726,
 4807, 4833, 4858, 4905, 4982,
 4996, 5030, 5045, 5083, 5140,
 5168, 5193, 5195
 \backslash non@alpherr 5222, 5248
 \backslash nopagebreak 5631
 \backslash normalcolor 1897, 2138, 2148
 \backslash normalfont 2926, 3000, 3106, 3130,
 3154, 3178, 3202, 3226, 3246,
 3247, 3260, 3261
 \backslash normalsize 3282, 3401, 3402, 3486,
 4403, 4404, 4450, 5045, 5083
 \backslash not 5543
 \backslash not@math@alphabet . 3063, 3066,
 3069, 3072, 3075, 3078
 \backslash null 4594, 4610
 \backslash number 3685, 3687, 3688, 3786, 3788,
 3789, 3889, 3891, 3893, 3895,
 5214, 5238, 5796, 5797
 \backslash numexpr . . 5288, 5296, 5304, 5312,
 5320

O

 \backslash obeyspaces 5435
 \backslash old@endquestion 5626, 5634
 \backslash old@question 5625, 5632
 \backslash or 2039, 2040, 2041, 2043, 2044, 2068,
 2069, 2070, 2074, 2075, 2076,



2077, 2078, 2082, 2083, 2244,
 2245, 2246, 2274, 2275, 2276,
 2349, 2351, 2353, 3658, 3659,
 3660, 3661, 3662, 3663, 3667,
 3668, 3669, 3706, 3707, 3708,
 3709, 3710, 3711, 3712, 3713,
 3714, 3715, 3719, 3758, 3759,
 3760, 3761, 3764, 3767, 3770,
 3771, 3774, 3775, 3776, 3807,
 3808, 3809, 3810, 3811, 3812,
 3813, 3814, 3815, 3816, 3820,
 3863, 3864, 3865, 3868, 3869,
 3870, 3871, 3872, 3875, 3876,
 3877, 3878, 3907, 3908, 3911,
 3912, 3915, 3916, 3919, 3991,
 4001, 4003, 4009, 4011, 4017,
 4019, 4025, 4032, 4040, 4047,
 4054, 4060, 4062, 4064, 4066,
 4072, 4078, 4088, 4098, 4144,
 4183, 4190, 4197, 4210, 4222,
 4229, 4238, 5802, 5803, 5804,
 5805, 5806, 5807, 5808
 \orig . 5280, 5281, 5282, 5283, 5284,
 5286, 5294, 5302, 5310, 5318
 \originaltoday 3276, 3277
 \Ovalbox 5022, 5075
 \ovalbox 5017, 5070
 \overline 5448

P
 \p@ 2171, 3353, 3354, 3355, 3356, 3358,
 3361, 3362, 3364, 3368, 3369,
 3370, 3372, 3375, 3376, 3387,
 3390, 3552, 4595
 \PackageError . . . 1664, 1667, 1670,
 1673, 1676, 1679, 1682, 1685,
 1688, 3631, 3680, 3935, 4105,
 4111, 4117, 4123, 4129, 4135
 \PackageInfo . . . 67, 79, 3338, 3339,
 4315, 4316, 5274
 \PackageWarning 2209, 2298, 3881,
 4103
 \PackageWarningNoLine 2226, 2256
 \page@free 4639, 4641
 \pageautorefname 1556
 \pagegoal 5121

 \pagename 1330, 3654
 \pagenumbering . . 15, 98, 109, 127,
 1280, 1773, 2627
 \pageref . . 2790, 2792, 2798, 2800,
 4480, 4978
 \pagesFormat 4554, 4556
 \pagestyle 4697
 \pagetotal 5122
 \par . . . 10, 17, 24, 40, 46, 52, 58, 99,
 110, 117, 129, 787, 1272, 1282,
 1294, 1588, 1777, 2567, 2574,
 2581, 2589, 2597, 2630, 2660,
 4597, 4599, 4605, 4607, 4608,
 5097, 5182, 5571, 5631
 \paragraphautorefname 1552
 \parallel 4462
 \parbox 5570, 5630
 \parsep 3488, 3499, 3500, 3504, 3515,
 3516, 3519, 3530, 3531, 3534,
 3546, 3547, 3561
 \partautorefname 1546
 \partname 3647
 \partopsep 3552, 3562, 3611
 \PassOptionsToClass . 4359, 4360,
 4361
 \pbs 5514, 5515
 \pdfstringdefDisableCommands .
 1567
 \penalty 166, 172, 2184, 3291
 \persian 3272
 \PersianAlphs . . 3272, 3275, 4140,
 4145, 4327
 \persianday 5801
 \PersianDisplayMathsDigits 4020,
 5473, 5479
 \persianfont 2916, 3260, 3262
 \PersianInlineMathsDigits 4012,
 5469, 5478
 \PersianMathsDigits . . 4004, 5477
 \persianmathsdigits . 5379, 5470,
 5474, 5482, 5486
 \persianmathsfdigits 5409, 5471,
 5475, 5483, 5487
 \persianmathttdigits 5424, 5472,
 5476, 5484, 5488
 \persianmonth 5800



`\persiansfdefault` .. 3056, 3064, 3095, 3103
`\persiansffamily` 3062, 3063, 3080, 3096
`\persiantoday` 3278, 5795
`\persianttdefault` .. 3057, 3067, 3119, 3127
`\persianttfamily` 3065, 3066, 3081, 3120
`\persianyear` 5799
`\pictureCaptionFormat` 4550, 4552
`\plftitle` 1786
`\plq` 2863
`\plttitle` 1787
`\pookdefault` 3060, 3076, 3167, 3175
`\pookfamily` . 3074, 3075, 3084, 3168
`\postmath` 172
`\PrefixCurrentTab` 2724
`\premath` 168
`\prepnext@tok` 2036, 2046
`\prg` .. 1472, 1476, 1479, 5339, 5342, 5344
`\printindex` 4106, 4118, 4130
`\process@table` 5260
`\ProcessOptions` 4373, 5637
`\ProcessOptionsX` 4259
`\proofname` 3656
`\prop` 1502
`\protect` .. 4779, 4780, 4782, 4811, 4812, 4814, 4845, 4846, 4848, 4865, 4866, 4868, 4886, 4887, 4889, 4985, 4986, 4988, 5520, 5523, 5525, 5528, 5546, 5551, 5552, 5553, 5555, 5556, 5557, 5577, 5578
`\protected@write` 4204, 4208
`\providecommand` 3880
`\ProvidesClass` 4329
`\ProvidesFile` ... 1, 4, 8, 14, 23, 38, 44, 50, 56, 62, 82, 91, 93, 104, 115, 123, 135, 175, 1128, 1188, 1205, 1216, 1259, 1270, 1276, 1288, 1292, 1299, 1458, 1514, 1522, 1536, 1540, 1585, 1592, 1649, 1652, 1691, 1771, 1784, 1794, 2164, 2565, 2572, 2579, 2587, 2595, 2624, 2658, 2688, 2706, 2715, 2735, 2746
`\ProvidesPackage` 2813, 5198, 5502, 5639
`\prq` 2862
`\ptctitle` 1785

Q

`\quad` 3618
`\question` 5625
`\questionsepspace` 5622, 5623, 5635
`\questionspace` .. 5529, 5530, 5571
`\questiontitle` 5617, 5636
`\questiontitlefont` 5619
`\questiontitlespace` . 5620, 5621, 5631

R

`\raggedFormat` .. 4391, 5039, 5113, 5159, 5184
`\RaggedLeft` 4391
`\raisebox` 4437, 4442
`\redeflatinfont` 3037
`\redefpersianfont` 3013
`\ref` 2805, 2807
`\refname` 92, 3645
`\refstepcounter` 5587, 5588
`\reftextafter` 2763
`\reftextbefore` 2771
`\reftextcurrent` 2779
`\reftextfaceafter` 2747
`\reftextfacebefore` 2755
`\reftextfaraway` 2787
`\reftextlabelrange` 2803
`\reftextpagerange` 2795
`\reftextvario` .. 2750, 2752, 2758, 2760, 2766, 2768, 2774, 2776, 2782, 2784
`\relax` 1692, 1884, 1916, 2051, 2052, 2073, 2074, 2075, 2136, 2146, 2170, 2176, 2220, 2250, 2278, 2285, 2291, 2318, 2325, 2336, 2491, 2604, 2638, 2668, 2718, 2866, 2884, 3237, 3238, 3242, 3243, 3340, 3385, 3389, 3572, 3581, 3590, 3988, 3999, 4007,



4015, 4023, 4030, 4038, 4045,
 4052, 4058, 4070, 4076, 4082,
 4086, 4092, 4096, 4102, 4115,
 4127, 4139, 4181, 4188, 4195,
 4202, 4211, 4212, 4217, 4223,
 4227, 4236, 4274, 4278, 4284,
 4285, 4286, 4310, 4312, 4373,
 4592, 4613, 4614, 4619, 4620,
 4621, 4622, 5203, 5217, 5227,
 5243, 5276, 5278, 5288, 5296,
 5304, 5312, 5320, 5370, 5461,
 5495, 5499, 5669, 5670, 5672,
 5677, 5682, 5683, 5689, 5691,
 5693, 5695, 5696, 5697, 5698,
 5699, 5700, 5701, 5702, 5703,
 5704, 5705, 5707, 5709, 5710,
 5715, 5716, 5723, 5725, 5728,
 5732, 5733, 5736, 5737, 5740,
 5745, 5747, 5749, 5751, 5752,
 5753, 5754, 5755, 5756, 5757,
 5758, 5759, 5760, 5761, 5762,
 5764, 5765, 5768, 5773, 5777,
 5783, 5785, 5786
 \renewcommand
 . 9, 16, 24, 30, 31, 34, 39, 40,
 45, 46, 51, 52, 57, 58, 86, 88,
 94, 95, 99, 105, 106, 110, 116,
 117, 124, 128, 129, 1271, 1272,
 1277, 1281, 1282, 1289, 1290,
 1291, 1293, 1294, 1300, 1301,
 1308, 1315, 1316, 1323, 1330,
 1331, 1338, 1345, 1346, 1353,
 1360, 1367, 1374, 1381, 1388,
 1395, 1402, 1409, 1416, 1423,
 1430, 1437, 1444, 1451, 1516,
 1518, 1520, 1587, 1772, 1774,
 1775, 1776, 1777, 2165, 2182,
 2193, 2566, 2567, 2573, 2574,
 2580, 2581, 2588, 2589, 2596,
 2597, 2603, 2625, 2629, 2630,
 2637, 2659, 2660, 2667, 2716,
 2736, 2737, 2738, 2739, 2740,
 2741, 2742, 2743, 2744, 2745,
 3300, 3614, 3620, 3929, 4106,
 4118, 4130, 4403, 4410, 4412,
 4414, 4421, 4428, 4429, 4430,
 4431, 4432, 4484, 4485, 4486,
 4497, 4498, 4499, 4590, 4695,
 4731, 4751, 5090, 5100, 5105,
 5518
 \RenewDocumentCommand 3016, 3040
 \renewenvironment . . . 1523, 5627
 \repeat 3335, 5770, 5779
 \RequirePackage 2815, 2816, 2817,
 2818, 4330, 4375, 4376, 4377,
 4378, 4379, 4380, 4382, 4384,
 4386, 4387, 4388, 4389, 4390,
 5504, 5505, 5506, 5507, 5508,
 5509
 \reserved@a 1848, 1852, 1858, 1864,
 1867, 1870, 1873, 1876, 1879,
 1882
 \reserved@b 1828, 1829
 \reset@font 2208, 2297, 3247, 3261,
 3280, 3294
 \resetlatinfont 84, 86, 1289, 1290,
 1516, 1518, 2698, 3232, 3268,
 3270, 3274, 3281, 3300, 3931
 \restore@mathversion 5260
 \restoreapp 36
 \rightfootnoterule 4063
 \rightline 5094
 \rl 1569, 3269, 3278
 \RLE 3269
 \rmdefault 2915, 2923, 2997
 \Roman 1196, 2611, 2645, 2675
 \roman 1195, 2612, 2646, 2676
 \romannumeral . . 2620, 2654, 2684,
 5769, 5778, 5788
 \RTL 3272
 \RTLfoottextfont 1291
 \rule . 4454, 4580, 4682, 4688, 4775,
 4807

 S
 \sayehdefault . . 3061, 3079, 3191,
 3199
 \sayehfamily 3077, 3078, 3085, 3192
 \scan 5341
 \scriptsize 3446, 3447, 4412
 \secondarticle . 4786, 4811, 4812,
 4814



`\secondSubtitleFormat` 4526, 4528
`\secondTextFormat` ... 4530, 4533
`\secondTitleFormat` . 4517, 4522, 4523
`\section` 3632
`\sectionautorefname` 1549
`\sectionname` 11, 1589
`\select@group` 5202
`\selectfont` 2920, 2945, 2994, 3027, 3051, 3064, 3067, 3070, 3073, 3076, 3079, 3100, 3124, 3148, 3172, 3196, 3220, 3250, 3264, 3341
`\set@mathdelimiter` 5267
`\set@fontsize` ... 4273, 4277, 4309
`\set@mathaccent` 5264
`\set@mathchar` 5264
`\set@mathdelimiter` 5266
`\set@mathsymbol` 5265
`\setboolean` 2725, 2726, 4340, 4342, 4344, 4346, 4348, 4350, 4352, 4368, 4369, 4371, 4372, 4734, 4752, 4897, 4922, 4951, 4973
`\setbox` 150, 1895, 1938, 2042, 2044, 2045, 2135, 2138, 2145, 2148, 2699, 2703
`\setclass` . 1607, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626
`\setcounter`
. 27, 29, 33, 41, 42, 47, 48, 53, 54, 59, 60, 100, 101, 111, 112, 118, 119, 130, 131, 1273, 1274, 1283, 1284, 1295, 1296, 1778, 1779, 2568, 2569, 2575, 2576, 2582, 2583, 2590, 2591, 2598, 2599, 2631, 2632, 2661, 2662, 2719, 2723, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 4612, 5540
`\setdigitfont` 2974
`\SetDisplayMathsDigits` .. 5464, 5473, 5485, 5495, 5498
`\SetEnumerateShortLabel` . 1211, 1212, 1213, 1214, 1215
`\setfontsize` 3384, 3990, 3992
`\SetInlineMathsDigits` 5463, 5469, 5481, 5494, 5499
`\setiraniconfont` 3207
`\setkeys` 141, 158
`\setlatinmonofont` 3006
`\setlatinsansfont` 3005
`\setlatintextfont` ... 2982, 4326
`\setlength` 1914, 1917, 1936, 3356, 3358, 3362, 3364, 3370, 3372, 3376, 3378, 3386, 3390, 3392, 3400, 3410, 3411, 3417, 3427, 3428, 3434, 3444, 3445, 3450, 3451, 3456, 3457, 3462, 3463, 3468, 3469, 3474, 3475, 3480, 3481, 3487, 3552, 3594, 3595, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 4338, 4370, 4405, 4406, 4407, 4408, 4416, 4417, 4418, 4419, 4423, 4424, 4425, 4426, 4631, 4635, 4676, 4677, 4694, 4699, 4700, 4824, 4856, 4928, 4953, 4956, 5004, 5005, 5053, 5054, 5120, 5121, 5137, 5530, 5621, 5623
`\setLTRcitationfont` 84
`\SetMathAlphabet` 5263
`\SetMathAlphabet@` 5263
`\SetMathCharDef` 5277, 5391
`\SetMathCode` 5275, 5380, 5381, 5382, 5383, 5384, 5385, 5386, 5387, 5388, 5389, 5390
`\setmathdigitfont` 5364
`\setmathsfdigitfont` 5399
`\setmathttdigitfont` 5414
`\setmonofont` 3006
`\setnavarfont` 3135
`\setpersianfont` .. 88, 1291, 1520, 2702, 3254, 3269, 3272, 3275, 3300
`\setpersianmonofont` 3111
`\setpersiansansfont` 3087
`\setpookfont` 3159
`\setsansfont` 3005
`\setsayehfont` 3183
`\SetSymbolFont` 5262
`\SetSymbolFont@` 5262



\settextdigitfont	2931	\subsectionautorefname	1551
\setttextfont	2907, 3936	\symnew@mathbf@font@digits	5288
\setthesection	1774	\symnew@mathit@font@digits	5296
\sf@size	4296, 4298	\symnew@mathrm@font@digits	5304
\sffamily	4435	\symnew@mathsf@font@digits	5312
\shadowbox	5007, 5060	\symnew@mathtt@font@digits	5320
\shadowsize	5005, 5054, 5058		
\shortarticleitem	5190	T	
\shortarticleItemTitleFormat	4588, 4589	\tableautorefname	1545
\shortarticleSubtitleFormat	4586, 4587	\tablename	1345, 1362, 3639
\shortarticleTitleFormat	4584, 4585	\tabularxcolumn	5518
\sixt@@n	1847, 1884	\tartibi	1192, 1206, 1211, 2608, 2642, 2672, 3778
\skip	3596	\tartibinumeral	3784
\slftitle	1792	\test	1610, 1611, 1612
\slttitle	1793	\tex	1491, 1510
\small	3418, 3419, 3633, 4414, 4415, 4469, 4473, 4479, 4550, 4572, 4591	\textbf	2, 3, 1525, 1527, 1529, 1531, 4996, 5030, 5045, 5083
\smash	3636	\textblockorigin	4656
\SOUL@tt	2689, 2691, 2699, 2703	\textdegree	4470
\SOUL@tt@latin	2689, 2695	\TextDigitFontOff	3348
\SOUL@tt@nonlatin	2690, 2693	\TextDigitFontOn	3347, 3350
\SOUL@ttwidth	2700, 2704	\textfloatsep	3600, 3604
\space	2210, 2299, 2813, 3297, 3887, 4638, 4639, 4779, 4780, 4782, 4811, 4812, 4814, 4845, 4846, 4848, 4865, 4866, 4868, 4886, 4887, 4889, 4985, 4986, 4988, 5095, 5561, 5796, 5797	\textheight	4663, 4688
\SplitFootnoteRule	4065	\textiranic	3082
\ssf@size	4302, 4304	\textit	4581
\stctitle	1791	\textnavar	3083
\stepcounter	26, 2721, 5536, 5549, 5580	\textpersiansf	3080
\str	1474, 2923, 2997, 3103, 3127, 3151, 3175, 3199, 3223	\textpersiantt	3081
\string	67, 1973, 2007, 2096, 2465, 3293, 4205, 4209, 4290, 4292, 4296, 4298, 4302, 4304	\textpook	3084
\strip@pt	3236, 3241, 3340, 3388, 4283	\textsayeh	3085
\subparagraphautorefname	1553	\textsc	4583
\subsectionautorefname	1550	\textsf	3618
		\textsuperscript	2168
		\texttt	4440
		\textwidth	1941, 4662, 4682, 4994, 5567
		\textwidthfootnoterule	4067
		\tf@size	4290, 4292
		\thanks	4593, 4613
		\the	137, 142, 1605, 1918, 2416, 2421, 2427, 2434, 2444, 2458, 2840, 3311, 3312, 3313, 3316, 3317, 3318, 3322, 3323, 3324, 3327, 3328, 3329, 3391, 3403, 3404, 3405, 3406, 3407, 3420, 3421,

3422, 3423, 3424, 3437, 3438,
 3439, 3440, 3441, 3448, 3454,
 3460, 3466, 3472, 3478, 3484,
 3498, 3499, 3514, 3515, 3529,
 3530, 3545, 3546, 3560, 3562,
 4638, 4639, 5124, 5494, 5498,
 5769, 5778, 5788
 \the@choice 5539, 5561
 \thebook 1775
 \thechapter 20, 31,
 103, 114, 121, 133, 1286, 1298,
 1774, 1781, 2571, 2578, 2585,
 2593, 2634, 2664
 \theclass 1607, 1612
 \theHchapter 1562, 1579
 \theHsection 1561, 1577
 \thempfn 1943
 \thempfootnote 1943, 3928
 \theoremautorefname 1555
 \thepage . . . 2210, 2227, 2257, 2299,
 3297, 4480
 \thepart 9, 16, 39, 45, 51, 57,
 94, 105, 116, 128, 1271, 1281,
 1293, 1587, 1776, 2566, 2573,
 2580, 2588, 2596, 2629, 2659
 \thequestion 5560, 5600, 5636
 \thesection . . . 12, 34, 43, 49, 55, 61,
 1275, 1590, 2600
 \thirdarticle . . . 4818, 4845, 4846,
 4848
 \thirdSubtitleFormat . 4545, 4547
 \thirdTextFormat 4548, 4549
 \thirdTitleFormat 4536, 4541, 4542
 \thispagestyle 4735, 4740
 \thr@@ 1970, 1989, 1990, 2004, 2025,
 2026, 2052, 2064, 2065, 2093,
 2120, 2121
 \tikz@finish 2707
 \tikz@options 2709, 2713
 \timestamp . 4573, 4770, 4800, 4836
 \timestampFormat 4572, 4574
 \timestampSeparator . . 4571, 4576
 \timestampTxt 4570, 4575
 \tiny 3452, 3453, 4410
 \title 4619
 \TitleBarFrame . 1525, 1527, 1529,
 1531
 \tl 1463, 2895, 2896, 2903, 2915, 2924,
 2998, 3005, 3006, 3095, 3104,
 3119, 3128, 3143, 3152, 3167,
 3176, 3191, 3200, 3215, 3224,
 5254, 5271, 5328, 5392, 5393,
 5394, 5409, 5424
 \tmp 5514
 \today 3276, 3278, 5091
 \topsep 3490, 3498, 3506, 3514, 3521,
 3529, 3536, 3545, 3550, 3560,
 3563
 \TPHorizModule . 4451, 4676, 4775,
 4807, 4858, 4905, 4906, 4929,
 4930, 4953
 \TPVertModule 4677
 \true 5589
 \truesymbol 5583
 \ttdefault 2969, 2970
 \tw@ . . . 1605, 1865, 1868, 1950, 1956,
 1957, 1959, 1969, 1979, 1980,
 2003, 2013, 2014, 2051, 2057,
 2058, 2063, 2092, 2102, 2103,
 2311, 3311, 3312, 3313, 3316,
 3317, 3318
 \twocolumnstableofcontents 3629
 \typeout 2839, 2841, 4624

 U
 \Umathchardef 5278
 \Umathcode 5276
 \undefined 1805, 5430, 5462, 5470,
 5471, 5472, 5474, 5475, 5476,
 5482, 5483, 5484, 5486, 5487,
 5488
 \unhbox 1927
 \unpenalty 172
 \unskip 169, 2081, 2082, 2083, 2168,
 2231, 2262
 \unvbox 1927
 \use . . . 2916, 2929, 2939, 2972, 2990,
 3003, 3021, 3025, 3045, 3049,
 3096, 3109, 3120, 3133, 3144,
 3157, 3168, 3181, 3192, 3205,
 3216, 3229, 5397, 5412, 5427
 \use@mathgroup 5213



\usebox 4628
 \usecounter 5573

V

\value 2718, 5543, 5559
 \vbox . 1898, 1915, 1920, 1921, 1938,
 2045, 2135, 2139, 2145, 2149,
 5167, 5193
 \vcenter 1924, 1925
 \verbatim@addtoline . 2400, 2415,
 2426, 2433, 2435, 2443, 2445,
 2457, 2459
 \verbatim@finish 2453
 \verbatim@processline 2404, 2417,
 2437
 \verbatim@startline . 2393, 2405,
 2418, 2438
 \version@elt 5259
 \version@list 5259
 \vfil 4594, 4610
 \voidb@x 150
 \vrb@catcodes 2387
 \vskip 4595, 4598, 4600, 4606
 \vspace 4630, 4649, 4711, 4721, 4764,
 4768, 4791, 4794, 4798, 4805,
 4823, 4827, 4831, 4840, 4899,
 4903, 4959, 4980, 5028, 5032,
 5051, 5081, 5085, 5130, 5132,
 5142, 5145, 5170, 5172, 5192,
 5194, 5571, 5629, 5631
 \vss 1927
 \vtop 1922, 1923, 2044

W

\wd 2700, 2704
 \weatherFormat 4465, 4467
 \weatheritem 4871, 4886, 4887, 4889
 \weatherTempFormat .. 4469, 4879
 \weatherUnits 4470, 4881
 \whiledo 5543
 \width 1533, 2496, 2497
 \write 3293, 4108, 4120, 4132
 \writexviiifalse 2887
 \writexviiitruer 2885

X

\X 5513

\x 2869, 2874
 \xdef . 1563, 1581, 4290, 4292, 4296,
 4298, 4302, 4304, 5213, 5539,
 5544, 5568, 5569, 5590, 5591,
 5594, 5595

\XePersian . 1570, 3618, 3636, 4489
 \xepersian 2474, 2476
 \xepersian@adadi ... 3694, 3719
 \xepersian@adadi@tartibi 3795,
 3820

\xepersian@baselineskip@scale
 3234, 3240, 3252, 3256, 3258,
 3266, 4173, 4278

\xepersian@fontsize@branch ..
 3984, 4165

\xepersian@fontsize@scale 3233,
 3235, 3251, 3255, 3257, 3265,
 4161, 4274, 4285

\xepersian@latin@baselineskip@scale
 3242, 3252, 4177

\xepersian@latin@fontsize@scale
 3237, 3251, 4169

\xepersian@math@fontsize@scale
 4157, 4283

\xepersian@start@switch@textdigitfont
 2949, 2951, 2954, 2956, 2958,
 2960, 2962, 2964, 2969, 4219

\xepersian@stop@switch@textdigitfont
 2950, 2952, 2953, 2957, 2959,
 2961, 2963, 2965, 2970

\xepersian@update@math@fontsize
 .. 4282, 4292, 4298, 4304

\xepersian@A 1599, 1617, 1638, 1639,
 1641, 2960, 2961

\xepersian@adadi 3688, 3693
 \xepersian@adadi@tartibi 3789,
 3794

\xepersian@cmds@temp . 2864, 2882
 \xepersian@coltitsize 4332, 5055,
 5056, 5057, 5058, 5061, 5066,
 5071, 5076

\xepersian@computeautoilg 3307,
 4313

\xepersian@cx ... 4659, 4664, 4681
 \xepersian@cy ... 4660, 4665, 4687
 \XePersian@d 5642, 5667, 5772, 5791,



5793, 5796, 5801
 \xepersian@D 1596, 1619, 1620, 1621,
 1622, 1624, 1628, 1629, 1630,
 1631, 1632, 1636, 1638, 2956,
 2957
 \xepersian@dahgan 3752, 3773, 3856
 \xepersian@dahgan@tartibi 3854,
 3862
 \XePersian@dn . . 5662, 5761, 5769,
 5772, 5775, 5779, 5791, 5793
 \xepersian@dx . . 4657, 4662, 4673,
 4676
 \xepersian@dy . . 4658, 4663, 4674,
 4677
 \xepersian@edition . 4439, 4443,
 4479, 4599, 4731
 \xepersian@editionLogo . . 4441,
 4709, 4727
 \xepersian@editorialTit . 5136,
 5155
 \xepersian@editorialTitle 4582,
 5141
 \xepersian@everyjob . . 2840, 2841
 \xepersian@firstText . 4514, 4770
 \xepersian@firstTitle 4502, 4765
 \xepersian@fmbox 4625, 4627, 4628
 \xepersian@footcenter 4491, 4498,
 4750
 \xepersian@footleft . 4493, 4497,
 4749
 \xepersian@footright 4488, 4499,
 4748
 \xepersian@frag 3987, 3989, 3990,
 3992
 \xepersian@gridcolumns . . 4354,
 4356, 4395, 4399
 \xepersian@gridrows . 4353, 4355,
 4395, 4399
 \xepersian@H 1600, 1623, 1629, 1630,
 1633, 1634, 1637, 1639, 2964,
 2965
 \xepersian@headcenter 4475, 4485,
 4747
 \xepersian@headDateTime . 4461,
 4715, 4729
 \xepersian@headleft . 4472, 4484,
 4746
 \xepersian@headright 4478, 4486,
 4745
 \XePersian@i 5642, 5765, 5766, 5768,
 5769, 5770, 5773, 5777, 5778,
 5781, 5782, 5785, 5788, 5790
 \xepersian@ilg . 3304, 3308, 3312,
 3313, 3317, 3318, 3336
 \xepersian@imgsize . 4331, 4632,
 4633, 4635, 4644, 4645
 \xepersian@incolumntitle 5042,
 5061, 5066, 5071, 5076
 \xepersian@indexEntry 4451, 4978
 \xepersian@indexEntryPage 4457,
 4978
 \xepersian@indexFrameTitle 4447,
 4954
 \xepersian@indexwidth 4335, 4454,
 4953, 4957, 4958
 \xepersian@inexpandedtitle 4993,
 5008, 5013, 5018, 5023
 \xepersian@innerSubtitle 4569,
 5109
 \xepersian@innerTitle 4558, 5108
 \XePersian@kabisehfalsh . 5712,
 5718
 \XePersian@kabisehtrue . . . 5718
 \xepersian@kashida . 1604, 1628,
 1629, 1630, 1631, 1632, 1633,
 1634, 1635, 1636, 1637, 1638,
 1639, 1640
 \xepersian@kashidachar . . 1594,
 1605
 \xepersian@L 1597, 1625, 1631, 1632,
 1633, 1634, 1635, 1640, 1641,
 2958, 2959
 \XePersian@latini . . . 5643, 5689
 \XePersian@latinii . 5644, 5691,
 5693
 \XePersian@latiniii . . 5645, 5695
 \XePersian@latiniv . . 5646, 5696
 \XePersian@latinix . . 5651, 5701
 \XePersian@latinvi . . 5647, 5697
 \XePersian@latinvi . . 5648, 5698
 \XePersian@latinvii . . 5649, 5699
 \XePersian@latinviii . 5650, 5700



\XePersian@latinx . . .	5652, 5702	\xepersian@pages	4555, 4790, 4822,
\XePersian@latinxi . .	5653, 5703		5107
\XePersian@latinxii . .	5654, 5704	\XePersian@persian@month	5797,
\XePersian@leapfalse	5674, 5678,		5802
	5684	\XePersian@persiani .	5643, 5743,
\XePersian@leaptrue . .	5684, 5685		5744, 5774, 5791
\xepersian@localize@verbatim@		\XePersian@persianii .	5644, 5745
	2395, 2396, 2398, 2406, 2419,	\XePersian@persianiii	5645, 5747,
	2428, 2439, 2447, 2461		5749
\xepersian@localize@verbatim@@		\XePersian@persianiv .	5646, 5751
	..... 2398, 2399	\XePersian@persianix .	5651, 5756
\xepersian@localize@verbatim@@@		\XePersian@persianv . .	5647, 5752
	..... 2401, 2402	\XePersian@persianvi .	5648, 5753
\xepersian@localize@verbatim@@@testend		\XePersian@persianvii	5649, 5754
	..... 2441, 2451	\XePersian@persianviii . .	5650,
\xepersian@localize@verbatim@rescan			5755
	..... 2455, 2464	\XePersian@persianx . .	5652, 5757
\xepersian@localize@verbatim@start		\XePersian@persianxi .	5653, 5758
	.. 2392, 2467, 2468, 2479	\XePersian@persianxii	5654, 5759
\xepersian@localize@verbatim@test		\XePersian@persianxiii . .	5655,
	.... 2410, 2412, 2413		5760
\xepersian@localize@verbatim@testend		\xepersian@pictureCaption	4551,
	..... 2424, 2431		4647, 4861
\XePersian@m	5642, 5667, 5763, 5782,	\xepersian@R	1598, 1618, 1636, 1637,
	5785, 5797, 5800		1640, 2962, 2963
\xepersian@milyoongan	3721, 3732	\xepersian@sadgan . .	3725, 3730,
\xepersian@milyoongan@tartibi			3734, 3738, 3743, 3826, 3839
	..... 3822, 3833	\xepersian@sadgan@tartibi	3831,
\XePersian@mminusone	5664, 5763,		3835, 3844
	5764, 5766, 5770	\xepersian@say .	4624, 5104, 5124,
\xepersian@ncol	..... 4686, 4687		5127, 5129, 5153, 5179
\xepersian@ncolumns .	4336, 5037,	\xepersian@secondSubtitle	4527,
	5038, 5105		4796
\xepersian@nrow	..... 4680, 4681	\xepersian@secondText	4531, 4800
\xepersian@numberoutofrange . .		\xepersian@secondTitle . .	4518,
	.... 3679, 3690, 3791		4792
\xepersian@numberstring .	3676,	\xepersian@section .	4471, 4476,
	3684		5100
\xepersian@numberstring@tartibi		\xepersian@setlength	3352, 3395,
	..... 3782, 3785		3397, 3398, 3412, 3414, 3415,
\xepersian@PackageInfo . .	5274,		3429, 3431, 3432, 3488, 3490,
	5373		3504, 3506, 3519, 3521, 3534,
\xepersian@pageleft .	4334, 5121,		3536, 3550, 3596, 3598, 3600,
	5122, 5124, 5126		3611
\xepersian@pageneed .	4333, 4635,	\xepersian@shellescape . . .	2884
	4636, 4638, 4641, 5120, 5126	\xepersian@shortarticleItemTitle	



..... 4589, 5193
 \xepersian@shortarticleSubtitle
 4587, 5173
 \xepersian@shortarticleTit 5165,
 5180
 \xepersian@shortarticleTitle .
 4585, 5169
 \XePersian@sn . . 5663, 5762, 5774,
 5775, 5778, 5779, 5788, 5793
 \xepersian@strutilg . 3305, 3308,
 3323, 3324, 3328, 3329, 3336,
 3337, 3340, 4314, 4317
 \xepersian@tartibi . . 3782, 3867
 \xepersian@tcl . 3303, 3308, 3310,
 3311, 3312, 3313, 3316, 3317,
 3318, 3322, 3323, 3324, 3327,
 3328, 3329, 3334, 3335
 \XePersian@temp 5657, 5668, 5669,
 5670, 5672, 5676, 5677, 5678,
 5681, 5682, 5683, 5684, 5706,
 5707, 5708, 5711, 5712, 5714,
 5717, 5718, 5722, 5723, 5726,
 5729, 5734, 5739, 5741, 5742,
 5744
 \xepersian@tempa 3998, 4006, 4014,
 4022, 4029, 4037, 4044, 4051,
 4057, 4069, 4075, 4081, 4085,
 4091, 4095, 4101, 4114, 4126,
 4138, 4180, 4187, 4194, 4201,
 4216, 4226, 4235
 \xepersian@tempb 3998, 3999, 4006,
 4007, 4014, 4015, 4022, 4023,
 4029, 4030, 4037, 4038, 4044,
 4045, 4051, 4052, 4057, 4058,
 4069, 4070, 4075, 4076, 4081,
 4082, 4085, 4086, 4091, 4092,
 4095, 4096, 4101, 4102, 4114,
 4115, 4126, 4127, 4138, 4139,
 4180, 4181, 4187, 4188, 4194,
 4195, 4201, 4202, 4216, 4217,
 4226, 4227, 4235, 4236
 \XePersian@temphree 5659, 5720,
 5721, 5722, 5724, 5727, 5730,
 5731, 5735, 5738, 5739, 5740,
 5741
 \XePersian@temptwo . 5658, 5708,
 5709, 5710, 5711, 5714, 5715,
 5716, 5717, 5724, 5725, 5726,
 5727, 5728, 5729, 5731, 5732,
 5733, 5734, 5735, 5736, 5737,
 5738
 \xepersian@textdigitfont 2941,
 2969, 4220
 \xepersian@thirdSubtitle 4546,
 4829
 \xepersian@thirdText . 4549, 4836
 \xepersian@thirdTitle 4537, 4825
 \XePersian@thirtytwo 5661, 5705,
 5712
 \xepersian@tmp 3986, 3987
 \xepersian@V 1601, 1626
 \xepersian@value 3989, 3992
 \xepersian@version . 2811, 2813,
 2829, 2843, 2845, 2851, 2857,
 3621, 3625
 \xepersian@weather . . 4466, 4901
 \xepersian@www 4436, 4709
 \xepersian@wwwFormat . 4435, 4437
 \XePersian@y 5642, 5667, 5668, 5671,
 5681, 5684, 5706, 5720, 5783,
 5786, 5797, 5799
 \xepersian@yekani . . 3725, 3753,
 3757, 3764, 3767, 3826
 \xepersian@yekanii . 3676, 3738,
 3763, 3839
 \xepersian@yekaniii . 3734, 3766,
 3835
 \xepersian@yekaniv . 3745, 3769,
 3846
 \xepersian@yekanv . . . 3858, 3874
 \XePersian@yModHundred . . 5660,
 5671, 5672, 5673, 5676, 5680
 \xepersian@zwj . . 1593, 1604, 1605
 \xepersiandate . 2812, 2813, 2829,
 3621
 \xepersianInit 4392, 4693
 \xepersianversion 2842
 \XeTeXcharclass 1612
 \XeTeXcharglyph 1605, 3311, 3312,
 3313, 3316, 3317, 3318, 3322,
 3323, 3324, 3327, 3328, 3329
 \XeTeXglyphbounds . . 1605, 3311,



3312, 3313, 3316, 3317, 3318,	\ 1802, 1803, 1807, 1814
3322, 3323, 3324, 3327, 3328,	\ 1795, 1801, 1802, 1807, 1812, 1813
3329	\ . . 1120, 1121, 1122, 1123, 1124,
\XeTeXinterchartoks . 1628, 1629,	1125, 1126, 1127, 1805
1630, 1631, 1632, 1633, 1634,	\ . 1807, 1808, 1813, 1814, 1816,
1635, 1636, 1637, 1638, 1639,	1817
1640, 1641, 2949, 2950, 2951,	\ 1807, 1812
2952, 2953, 2954, 2956, 2957,	\ 1807, 1808, 1813, 1817
2958, 2959, 2960, 2961, 2962,	\ 1802, 1803
2963, 2964, 2965	\ 1807, 1809, 1814, 1819
\xpg@warning 3880, 3885, 3887	@ \ 1796, 1800
Y	☒
\y 2870, 2872, 2874	@ \ 2504, 2505, 2506, 2507, 2508,
\year 5667	2509, 2510, 2511, 2512, 2513,
Z	2514, 2515, 2516, 2517, 2518,
\z 2871, 2872	2519, 2520, 2521, 2522, 2523,
\z@ . . 10, 18, 152, 153, 164, 166, 1588,	2524, 2525
1843, 1943, 1947, 1952, 1953,	@ \ 1796
1961, 1971, 1975, 1976, 1981,	\ 1802
1995, 2005, 2009, 2010, 2015,	\ 1796, 1800
2031, 2053, 2054, 2065, 2083,	\ 2158, 2466
2094, 2098, 2099, 2112, 2126,	\ 2380
2313, 2359, 2361, 2370, 2494,	\ 1803, 2155, 2156
2495, 2502, 2503, 2699, 2700,	☒
2703, 2704, 2951, 2952, 3308,	\ 1795
3311, 3316, 3322, 3327, 3353,	\ 1798
3354, 3355, 3361, 3368, 3369,	\ 1797, 1799
3375, 3397, 3414, 3431, 3552,	
3561, 3605, 3720, 3722, 3724,	
3728, 3744, 3747, 3753, 3821,	
3823, 3825, 3829, 3845, 3848,	
3858, 3887, 3909, 3913, 3917,	
3920, 3985, 5718	
\ziffer@check 5436, 5437	
\ziffer@dcheck 5435, 5436	
\ziffer@DotOri 5433, 5436	
\ZifferAn 5431, 5434	
\ZifferLeer 5436, 5462	
☒	
\ 1119, 1783, 2379	
\ 1807, 1809, 1812, 1819	
\ 1812	
\ . . 1797, 1804, 1805, 1808, 1809,	
1817, 1819	

