



# The XePersian *Package*

Source documentation for version 23.6

to my Master, *Ferdowsi The Great*

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

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

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

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# The XePersian *Package*

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

Source documentation for [version 23.6](#)

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February 20, 2022

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

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## 1 File algorithmic-xepersian.def

```

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

```

## 2 File algorithm-xepersian.def

```

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

```

## 3 File amsart-xepersian.def

```

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

```

## 4 File amsbook-xepersian.def

```

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

```



```

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

```

## 5 File appendix-xepersian.def

```

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

```

## 6 File article-xepersian.def

```

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

```

## 7 File artikel1-xepersian.def

```

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

```

## 8 File artikel2-xepersian.def

```

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

```

## 9 File artikel3-xepersian.def



```

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

```

## 10 File backref-xepersian.def

```

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

```

## 11 File bidentuftsidenote-xepersian.def

```

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

```

## 12 File bidimoderncv-xepersian.def

```

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

```

## 13 File boek3-xepersian.def

```

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

```



```

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

```

## 14 File boek-xepersian.def

```

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

```

## 15 File bookest-xepersian.def

```

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

```

## 16 File book-xepersian.def

```

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

```

## 17 File breqn-xepersian.def

```

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

```



```

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

```

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

```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

893 \eqcommand{      }\{sffamily\}
894 \eqcommand{      }\{shadowbox\}
895 \eqcommand{      }\{sharp\}
896 \eqcommand{      }\{shipout\}
897 \eqcommand{      }\{shortstack\}
898 \eqcommand{      }\{show\}
899 \eqcommand{      }\{showbox\}
900 \eqcommand{      }\{showboxbreadth\}
901 \eqcommand{      }\{showboxdepth\}
902 \eqcommand{      }\{showlists\}
903 \eqcommand{      }\{showthe\}
904 \eqcommand{      }\{simplefontmode\}
905 \eqcommand{      }\@{\sift@n}
906 \eqcommand{      }\{skewchar\}
907 \eqcommand{      }\{skip\}
908 \eqcommand{      }\@{\skip@}
909 \eqcommand{      }\{skipdef\}
910 \eqcommand{      }\{sl\}
911 \eqcommand{      }\{sldefault\}
912 \eqcommand{      }\{slshape\}
913 \eqcommand{      }\{sloppy\}
914 \eqcommand{      }\{slshape\}
915 \eqcommand{      }\{small\}
916 \eqcommand{      }\{smallskip\}
917 \eqcommand{      }\{smallskipamount\}
918 \eqcommand{      }\{smash\}
919 \eqcommand{      }\{smile\}
920 \eqcommand{      }\{sneglnfontlocatecode\}
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{ }{\thinlines}
1019 \eqcommand{ }{\thinspace}
1020 \eqcommand{ }{\thisfancypage}
1021 \eqcommand{ }{\thispagestyle}
1022 \eqcommand{ @}{\thr@@}
1023 \eqcommand{ }{\tilde}
1024 \eqcommand{ }{\tiny}
1025 \eqcommand{ }{\time}
1026 \eqcommand{ }{\times}
1027 \eqcommand{ }{\title}
1028 \eqcommand{ }{\to}
1029 \eqcommand{ }{\today}
1030 \eqcommand{ }{\toks}
1031 \eqcommand{ }{\toksdef}
1032 \eqcommand{ }{\tolerance}
1033 \eqcommand{ }{\top}
1034 \eqcommand{ }{\topfigrule}
1035 \eqcommand{ }{\topfraction}
1036 \eqcommand{ }{\topmargin}
1037 \eqcommand{ }{\topmark}
1038 \eqcommand{ }{\toppageskip}
1039 \eqcommand{ }{\topsep}
1040 \eqcommand{ }{\topskip}
1041 \eqcommand{ }{\totalheight}
1042 \eqcommand{ }{\tracingall}
1043 \eqcommand{ }{\tracingcommands}
1044 \eqcommand{ }{\tracinglostchars}
1045 \eqcommand{ }{\tracingmacros}
1046 \eqcommand{ }{\tracingonline}
1047 \eqcommand{ }{\tracingoutput}
1048 \eqcommand{ }{\tracingpages}
1049 \eqcommand{ }{\tracingparagraphs}
1050 \eqcommand{ }{\tracingrestores}
1051 \eqcommand{ }{\tracingstats}
1052 \eqcommand{ }{\triangle}
1053 \eqcommand{ }{\ttdefault}
1054 \eqcommand{ }{\ttfamily}

```



```

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

```





```

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

```

## 19 File color-localise-xepersian.def

```

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

```

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

```

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

```



```

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

```

21 File enumerate-xepersian.def

```

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

```

## 22 File enumitem-xepersian.def



```

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

```

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

```

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

```



```

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

```

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

```

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

```

## 25 File extarticle-xepersian.def

```

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

```

## 26 File extbook-xepersian.def

```

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

```

## 27 File extrafootnotefeatures-xepersian.def

```

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

```

## 28 File extreport-xepersian.def

```

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

```



```

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

```

## 29 File fancyref-xepersian.def

```

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

```



```

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

```



```

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

```



```

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

```

### 30 File footnote-xepersian.def

```

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

```

### 31 File framed-xepersian.def

```

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

```

### 32 File glossaries-xepersian.def

```

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

```

### 33 File hyperref-xepersian.def

```

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

```





```

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

```

## 34 File imspc-xepersian.def

```

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

```

## 35 File kashida-xepersian.def

```

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

```



```

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

```



```

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

```

## 36 File listings-xepersian.def

```

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

```

## 37 File loadingorder-xepersian.def

```

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

```



```

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

```

### 38 File localise-xepersian.def

```

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

```



```

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

```

### 39 File memoir-xepersian.def

```

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

```



1748 \anappendixtrue}

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

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

## 41 File minitoc-xepersian.def

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

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

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



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



[illegible]

```

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

```

### 43 File natbib-xepersian.def

```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 44 File packages-localise-xepersian.def

```

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

```



```

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

```



```

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

```



```

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

```

## 45 File url-xepersian.def

```

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

```

## 46 File persian-tex-text.map

```

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

```



## 47 File persian-tex-text-nonnumbers.map

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

## 48 File rapport1-xepersian.def

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

## 49 File rapport3-xepersian.def

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

## 50 File refrep-xepersian.def

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



```

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

```

## 51 File report-xepersian.def

```

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

```

## 52 File scrartcl-xepersian.def

```

2593 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2594 \renewcommand*{\thepart}{\@tartibi\c@part}
2595 \renewcommand*\appendix{\par%
2596 \setcounter{section}{0}%
2597 \setcounter{subsection}{0}%
2598 \gdef\thesection{\@harfi\c@section}%
2599 \csname appendixmore\endcsname
2600 }
2601 \renewcommand*{\@maybeautodot}[1]{%
2602 \ifx #1\@stop\let\@maybeautodot\relax
2603 \else
2604 \ifx #1\harfi \@autodottrue\fi
2605 \ifx #1\adadi \@autodottrue\fi
2606 \ifx #1\tartibi \@autodottrue\fi
2607 \ifx #1\Alph \@autodottrue\fi
2608 \ifx #1\alph \@autodottrue\fi
2609 \ifx #1\Roman \@autodottrue\fi
2610 \ifx #1\roman \@autodottrue\fi
2611 \ifx #1\@harfi \@autodottrue\fi
2612 \ifx #1\@adadi \@autodottrue\fi
2613 \ifx #1\@tartibi \@autodottrue\fi
2614 \ifx #1\@Alph \@autodottrue\fi
2615 \ifx #1\@alph \@autodottrue\fi
2616 \ifx #1\@Roman \@autodottrue\fi
2617 \ifx #1\@roman \@autodottrue\fi
2618 \ifx #1\romannumeral \@autodottrue\fi
2619 \fi
2620 \@maybeautodot
2621 }

```

## 53 File scrbook-xepersian.def

```

2622 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2623 \renewcommand*\frontmatter{%
2624 \if@twoside\cleardoubleoddpage\else\clearpage\fi

```



```

2625 \@mainmatterfalse\pagenumbering{harfi}%
2626 }
2627 \renewcommand*{\thepart}{\@tartibi\c@part}
2628 \renewcommand*\appendix{\par%
2629 \setcounter{chapter}{0}%
2630 \setcounter{section}{0}%
2631 \gdef\@chapapp{\appendixname}%
2632 \gdef\thechapter{\@harfi\c@chapter}%
2633 \csname appendixmore\endcsname
2634 }
2635 \renewcommand*{\@maybeautodot}[1]{%
2636 \ifx #1\@stop\let\@maybeautodot\relax
2637 \else
2638 \ifx #1\harfi \@autodottrue\fi
2639 \ifx #1\adadi \@autodottrue\fi
2640 \ifx #1\tartibi \@autodottrue\fi
2641 \ifx #1\Alph \@autodottrue\fi
2642 \ifx #1\alph \@autodottrue\fi
2643 \ifx #1\Roman \@autodottrue\fi
2644 \ifx #1\roman \@autodottrue\fi
2645 \ifx #1\@harfi \@autodottrue\fi
2646 \ifx #1\@adadi \@autodottrue\fi
2647 \ifx #1\@tartibi \@autodottrue\fi
2648 \ifx #1\@Alph \@autodottrue\fi
2649 \ifx #1\@alph \@autodottrue\fi
2650 \ifx #1\@Roman \@autodottrue\fi
2651 \ifx #1\@roman \@autodottrue\fi
2652 \ifx #1\romannumeral \@autodottrue\fi
2653 \fi
2654 \@maybeautodot
2655 }

```

## 54 File scrreprt-xepersian.def

```

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

```



```

2676 \ifx #1\@adadi \@autodottrue\fi
2677 \ifx #1\@tartibi \@autodottrue\fi
2678 \ifx #1\@Alph \@autodottrue\fi
2679 \ifx #1\@alph \@autodottrue\fi
2680 \ifx #1\@Roman \@autodottrue\fi
2681 \ifx #1\@roman \@autodottrue\fi
2682 \ifx #1\romannumeral \@autodottrue\fi
2683 \fi
2684 \@maybeautodot
2685 }

```

## 55 File soul-xepersian.def

```

2686 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2687 \let\SOUL@tt@latin\SOUL@tt
2688 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2689 \def\SOUL@tt{%
2690   \if@nonlatin
2691     \SOUL@tt@nonlatin
2692   \else
2693     \SOUL@tt@latin
2694   \fi
2695 }
2696 \bidi@appto\resetlatinfont{%
2697   \setbox\z@\hbox{\SOUL@tt-}%
2698   \SOUL@ttwidth\wd\z@
2699 }
2700 \bidi@appto\setpersianfont{%
2701   \setbox\z@\hbox{\SOUL@tt-}%
2702   \SOUL@ttwidth\wd\z@
2703 }

```

## 56 File tkz-linknodes-xepersian.def

```

2704 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2705 \renewcommand*{\@SetTab}{%
2706   \let\@alph\@latinalph%
2707   \ifnum \value{C@NumTab}>25\relax%
2708     \setcounter{C@NumTab}{1}%
2709   \else%
2710     \stepcounter{C@NumTab}%
2711   \fi%
2712   \setcounter{C@NumGroup}{0}%
2713   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2714   \setboolean{B@FirstLink}{true}
2715   \setboolean{B@NewGroup}{false}
2716   \setcounter{C@NumGroup}{0}
2717   \setcounter{C@CurrentGroup}{0}
2718   \setcounter{NumC@Node}{0}
2719   \setcounter{NumC@stop}{0}
2720   \setcounter{C@NextNode}{0}
2721   \setcounter{C@CurrentStop}{0}
2722   \setcounter{C@CurrentNode}{0}
2723 }%

```





## 57 File tocloft-xepersian.def

```
2724 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2725 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2726 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2727 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2728 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2729 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2730 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2731 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2732 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2733 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2734 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}
```

## 58 File varioref-xepersian.def

```
2735 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2736 \def\reftextfaceafter{%
2737   \if@RTL
2738
2739   \reftextvario{ }{ }%
2740   \else
2741     on the \reftextvario{facing}{next} page%
2742   \fi
2743 }
2744 \def\reftextfacebefore{%
2745   \if@RTL
2746
2747   \reftextvario{ }{ }%
2748   \else
2749     on the \reftextvario{facing}{preceding} page%
2750   \fi
2751 }
2752 \def\reftextafter{%
2753   \if@RTL
2754
2755   \reftextvario{ }{ }%
2756   \else
2757     on the \reftextvario{following}{next} page%
2758   \fi
2759 }
2760 \def\reftextbefore{%
2761   \if@RTL
2762
2763   \reftextvario{ }{ }%
2764   \else
2765     on the \reftextvario{preceding}{previous} page%
2766   \fi
2767 }
2768 \def\reftextcurrent{%
2769   \if@RTL
2770
2771   \reftextvario{ }{ }%
2772   \else
```



```

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

```

## 59 File xepersian.sty

```

2799 \NeedsTeXFormat{LaTeX2e}
2800 \def\xepersian@version{23.6}
2801 \def\xepersiandate{2022/02/20}
2802 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2803 Persian typesetting in XeLaTeX]
2804 \RequirePackage{fontspec}
2805 \RequirePackage{xepersian-persiancal}
2806 \RequirePackage{xepersian-mathdigitspec}
2807 \RequirePackage{bidi}
2808 \edef\xepersian@info{*****~J%
2809 * ~J%
2810 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2811 * ~J%
2812 * Description: The package supports Persian~J%
2813 * typesetting, using fonts provided in the~J%
2814 * distribution.~J%
2815 * ~J%
2816 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2817 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2818 * ~J%
2819 * v\xepersian@version, \xepersiandate~J%
2820 * ~J%
2821 * License: LaTeX Project Public License, version~J%
2822 * 1.3c or higher (your choice)~J%
2823 * ~J%

```



```

2824 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2825 * ^^J%
2826 * Issue tracker: https://github.com/tex-persian/xepersian/issues^^J%
2827 * ^^J%
2828 * Discussions: https://github.com/tex-persian/xepersian/discussions^^J%
2829 * ^^J%
2830 * Support Email: tex-persian@vafa.ac^^J%
2831 * ^^J%
2832 * Primary author of xepersian package: Vafa Khalighi.^^J%
2833 * ^^J%
2834 *****}
2835 \typeout{\@xepersian@info}
2836 \edef\xepersian@everyjob{\the\everyjob}
2837 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2838 \newcommand*\xepersianversion{
2839   \ensuremath\xepersian@version}
2840 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2841   \ifdim\xepersian@version pt > #1 pt %
2842     \expandafter\@firstoftwo
2843   \else
2844     \expandafter\@secondoftwo
2845   \fi}
2846 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2847   \ifdim\xepersian@version pt < #1 pt %
2848     \expandafter\@firstoftwo
2849   \else
2850     \expandafter\@secondoftwo
2851   \fi}
2852 \newcommand*\IfxepersianPackageVersion}[1]{%
2853   \ifdim\xepersian@version pt = #1 pt %
2854     \expandafter\@firstoftwo
2855   \else
2856     \expandafter\@secondoftwo
2857   \fi}
2858 \def\prq{«}
2859 \def\plq{»}
2860 \def\xepersian@cmds@temp#1{%
2861   \begingroup\expandafter\expandafter\expandafter\endgroup
2862   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2863     \begingroup
2864       \escapechar=-1 %
2865       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2866       \def\y{#1}%
2867       \def\z##1->{}%
2868       \edef\y{\expandafter\z\meaning\y}%
2869       \expandafter\endgroup
2870       \ifx\x\y
2871         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2872         \expandafter{%
2873           \csname#1\endcsname
2874         }%
2875       \fi
2876     \fi
2877 }%

```



```

2878 \xepersian@cmds@temp{shellescape}
2879 \newif\ifwritexviii
2880 \ifnum\xepersian@shellescape=1\relax
2881   \writexviii>true
2882 \else
2883 \writexviii>false
2884 \fi
2885 \newfontscript{Persian}{arab}
2886 \newfontlanguage{Persian}{FAR}
2887 \ExplSyntaxOn
2888
2889 \cs_new:Nn \xepersian_set_family:Nnn { \__xepersian_set_family:NnnN #1 {#2} {#3} \tl_set_eq:NN
2890 \cs_generate_variant:Nn \xepersian_set_family:Nnn {c}
2891
2892 \cs_new_protected:Nn \__xepersian_select_font_family:nn
2893 {
2894   \group_begin:
2895   \__fontspec_font_suppress_not_found_error:
2896   \__fontspec_init:
2897
2898   \__fontspec_sanitise_fontname:Nn \l_fontspec_fontname_tl {#2}
2899   \__fontspec_sanitise_fontname:Nn \l__fontspec_fontname_up_tl {#2}
2900   \__fontspec_sanitise_fontname:Nn \l__fontspec_basename_tl {#2}
2901
2902   \__fontspec_if_detect_external:nT {#2}
2903   { \keys_set:nn {fontspec-preparse-external} {Path} }
2904
2905   \keys_set_known:nn {fontspec-preparse-cfg} {#1}
2906
2907   \__fontspec_init_ttc:n {#2}
2908   \__fontspec_load_external_fontoptions:N \l_fontspec_fontname_tl
2909
2910   \__fontspec_extract_all_features:n {#1}
2911   \tl_set:Nx \l__fontspec_fontid_tl { \tl_to_str:N \l_fontspec_fontname_tl-:-\tl_to_str:N \l__fontspec_fontname_tl }
2912
2913   \__fontspec_preparse_features:
2914   \__fontspec_load_font:
2915   \__fontspec_set_scriptlang:
2916   \__xepersian_get_features:n {}
2917   \bool_set_false:N \l__fontspec_firsttime_bool
2918
2919   \__fontspec_save_family_needed:nTF {#2}
2920   {
2921     \__xepersian_save_family:nn {#1} {#2}
2922   }
2923   {
2924   }
2925 }
2926 \group_end:
2927
2928 \tl_set_eq:NN \l_fontspec_family_tl \g__fontspec_nfss_family_tl
2929 }
2930
2931 \cs_new:Nn \__xepersian_set_family:NnnN

```



```

2932 {
2933   \tl_set:Nn \l__fontspec_fontface_cs_tl {\l_fontspec_font} % reset
2934   \tl_set:Nn \l__fontspec_family_label_tl {#1}
2935   \__xepersian_select_font_family:nn {#2} {#3}
2936   \__fontspec_tl_new_if_free:N #1
2937   #4 #1 \l_fontspec_family_tl
2938   \tl_set:Nn \l__fontspec_fontface_cs_tl {\l_fontspec_font} % reset
2939 }
2940
2941 \cs_new:Nn \__xepersian_setup_nfss:Nnnn
2942 {
2943   \__xepersian_get_features:n { #2 , #3 , #4 }
2944
2945   \tl_if_empty:NF \l__fontspec_scale_tl
2946   {
2947     \tl_set:Nx \l__fontspec_scale_tl { s*[\l__fontspec_scale_tl] }
2948   }
2949
2950   \tl_build_put_right:Nx #1
2951   {
2952     <\l__fontspec_size_tl> \l__fontspec_scale_tl
2953     \__fontspec_construct_font_call:nn { \l_fontspec_fontname_tl }
2954     { \l__fontspec_pre_feat_sclist \g__fontspec_rawfeatures_sclist }
2955   }
2956 }
2957
2958
2959 \cs_new:Nn \__xepersian_setup_single_size:nn
2960 {
2961   \tl_clear:N \l__fontspec_size_tl
2962   \tl_set_eq:NN \l__fontspec_sizedfont_tl \l__fontspec_saved_fontname_tl % in case not spec
2963
2964   \keys_set_known:nxN {fontspec-sizing} { \exp_after:wN \use:n #2 }
2965   \l__fontspec_sizing_leftover_clist
2966   \tl_if_empty:NT \l__fontspec_size_tl { \__fontspec_error:n {no-size-info} }
2967
2968   % "normal"
2969   \__fontspec_load_fontname:Nn \l_fontspec_fontname_tl {\l__fontspec_sizedfont_tl}
2970   \__xepersian_setup_nfss:Nnnn \l__fontspec_nfss_tl {#1} {\l__fontspec_sizing_leftover_clist}
2971
2972   % small caps
2973   \clist_set_eq:NN \l__fontspec_fontfeat_curr_clist \l__fontspec_fontfeat_sc_clist
2974
2975   \bool_if:NF \l__fontspec_nosc_bool
2976   {
2977     \tl_if_empty:NTF \l__fontspec_fontname_sc_tl
2978     {
2979       \__fontspec_make_smallcaps:TF
2980       {
2981         \clist_put_left:Nn \l__fontspec_fontfeat_curr_clist {Letters=SmallCaps}
2982       }
2983       {
2984         \bool_set_true:N \l__fontspec_nosc_bool
2985       }
2986     }
2987   }

```



```

2986     }
2987     { \_fontspec_load_fontname:Nn \l_fontspec_fontname_tl {\l_fontspec_fontname_sc_tl
2988   }
2989
2990   \bool_if:NF \l_fontspec_nosc_bool
2991   {
2992     \_fontspec_setup_nfss:Nnnn \l_fontspec_nfss_sc_tl
2993     {#1} {\l_fontspec_sizing_leftover_clist} {\l_fontspec_fontfeat_curr_clist}
2994   }
2995 }
2996
2997 \cs_new:Nn \_xepersian_declare_shape:nnnn
2998 {
2999   \tl_build_begin:N \l_fontspec_nfss_tl
3000   \tl_build_begin:N \l_fontspec_nfss_sc_tl
3001   \tl_set_eq:NN \l_fontspec_saved_fontname_tl \l_fontspec_fontname_tl
3002
3003   \exp_args:Nx \clist_map_inline:nn {#4} { \_xepersian_setup_single_size:nn {#3} {##1} }
3004
3005   \tl_build_end:N \l_fontspec_nfss_tl
3006   \tl_build_end:N \l_fontspec_nfss_sc_tl
3007
3008   \_fontspec_declare_shapes_normal:nn {#1} {#2}
3009   \_fontspec_declare_shapes_smcaps:nn {#1} {#2}
3010   \_fontspec_declare_shape_slanted:nn {#1} {#2}
3011   \_fontspec_declare_shapes_bx:nn {#1} {#2}
3012   \_fontspec_declare_shape_loginfo:nn {#1} {#2}
3013 }
3014 \cs_generate_variant:Nn \_xepersian_declare_shape:nnnn {nnxx}
3015
3016 \cs_new:Nn \_xepersian_make_font_shapes:Nnnnn
3017 {
3018   \group_begin:
3019     \_fontspec_keys_set_known:nxN {fontspec-prepare-external} { #4 } \l_fontspec_leftover
3020     \_fontspec_load_fontname:Nn \l_fontspec_fontname_tl {#1}
3021     \_xepersian_declare_shape:nnxx {#2} {#3} { \l_fontspec_fontopts_clist, \l_fontspec_l
3022   \group_end:
3023 }
3024
3025 \cs_new:Nn \_xepersian_set_faces_aux:nnnnn
3026 {
3027   \fontspec_complete_fontname:Nn \l_fontspec_curr_fontname_tl {#3}
3028   \_xepersian_make_font_shapes:Nnnnn \l_fontspec_curr_fontname_tl {#1} {#2} {#4} {#5}
3029 }
3030
3031 \cs_new:Nn \_xepersian_set_faces:
3032 {
3033   \_fontspec_add_nfssfont:nnnn \mddefault \shapedefault \l_fontspec_fontname_tl \l_fontsp
3034   \_fontspec_add_nfssfont:nnnn \bfdefault \shapedefault \l_fontspec_fontname_bf_tl \l
3035   \_fontspec_add_nfssfont:nnnn \mddefault \itdefault \l_fontspec_fontname_it_tl \l
3036   \_fontspec_add_nfssfont:nnnn \mddefault \sldefault \l_fontspec_fontname_sl_tl \l
3037   \_fontspec_add_nfssfont:nnnn \mddefault \swdefault \l_fontspec_fontname_sw_tl \l
3038   \_fontspec_add_nfssfont:nnnn \bfdefault \itdefault \l_fontspec_fontname_bfit_tl \l
3039   \_fontspec_add_nfssfont:nnnn \bfdefault \sldefault \l_fontspec_fontname_bfsl_tl \l

```



```

3040 \__fontspec_add_nfssfont:nnnn \bfdefault \swdefault \l__fontspec_fontname_bfsw_tl \l
3041 \prop_map_inline:Nn \l__fontspec_nfssfont_prop { \__xepersian_set_faces_aux:nnnnn ##2 }
3042 }
3043
3044 \cs_new:Nn \__xepersian_save_family:nn
3045 {
3046   \__fontspec_save_fontinfo:n {#2}
3047   \__fontspec_find_autofonts:
3048   \DeclareFontFamily{\g__fontspec_nfss_enc_tl}{\g__fontspec_nfss_family_tl}{
3049     \__xepersian_set_faces:
3050     \__fontspec_info:nxx {defining-font} {#1} {#2}
3051   }
3052
3053 \cs_new:Nn \__xepersian_get_features:n
3054 {
3055   \__fontspec_init_fontface:
3056   \__fontspec_keys_set_known:nxN {fontspec-renderer} {\l__fontspec_fontfeat_clist,#1}
3057   \l__fontspec_keys_leftover_clist
3058   \__fontspec_keys_set_known:nxN {fontspec} {\l__fontspec_keys_leftover_clist} \l__fontspec
3059   \bool_if:NTF \l__fontspec_ot_bool
3060   {
3061     \keys_set:nV {fontspec-opentype} \l__fontspec_keys_leftover_clist
3062   }
3063   {
3064     \bool_if:nT { \l__fontspec_atsui_bool || \l__fontspec_graphite_bool }
3065     { \keys_set:nV {fontspec-aat} \l__fontspec_keys_leftover_clist }
3066   }
3067   \__fontspec_update_featstr:n { script = arab }
3068
3069   \tl_if_empty:NF \l__fontspec_mapping_tl
3070   { \__fontspec_update_featstr:n { mapping = \l__fontspec_mapping_tl } }
3071
3072   \str_if_eq:eeF { \l__fontspec_hexcol_tl \l__fontspec_opacity_tl }
3073   { \c__fontspec_hexcol_tl \c__fontspec_opacity_tl }
3074   { \__fontspec_update_featstr:n { color = \l__fontspec_hexcol_tl\l__fontspec_opacity_tl }
3075   }
3076
3077 \keys_define:nn {fontspec-opentype}
3078 {
3079   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3080   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3081   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3082 }
3083
3084 \keys_define:nn {fontspec-aat}
3085 {
3086   Ligatures / PersianTeX .code:n =
3087   {
3088     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3089   }
3090 }
3091
3092 \keys_define:nn {fontspec-opentype}
3093 {

```



```

3094   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3095   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3096   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3097 }
3098
3099 \keys_define:nn {fontspec-aat}
3100 {
3101   Ligatures / PersianTeXNoNumbers .code:n =
3102   {
3103     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3104   }
3105 }
3106
3107 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3108 {
3109   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3110   \ignorespaces
3111 }
3112 \cs_new:Nn \__xepersian_main_settextfont:nn
3113 {
3114   \xepersian_set_family:Nnn \l__xepersian_persianfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3115   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
3116   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3117   {
3118     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3119     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
3120     \exp_not:N \selectfont
3121   }
3122 }
3123 \str_if_eq:eeT {\familydefault} {\rmdefault}
3124   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3125   \__xepersian_settextfont_hook:nn {#1} {#2}
3126   \normalfont
3127 }
3128
3129 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3130
3131 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3132 {
3133   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3134   \ignorespaces
3135 }
3136 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3137 {
3138   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3139   \use:x
3140   {
3141     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3142     {
3143       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
3144       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3145       \exp_not:N \selectfont
3146     }
3147   }

```





```

3148 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3149 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3150 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3151 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3152 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3153 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3154 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3155 \if@bidi@csundef{xepersian@D}{\%
3156 \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3157 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3158 \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3159 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3160 \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3161 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3162 \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3163 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3164 }
3165 }
3166
3167 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3168 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3169
3170 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3171
3172 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3173 {
3174 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3175 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3176 \ignorespaces
3177 }
3178
3179
3180 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3181 {
3182 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3183 \ignorespaces
3184 }
3185 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3186 {
3187 \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3188 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3189 {
3190 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3191 \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
3192 \exp_not:N \selectfont
3193 }
3194 }
3195 \str_if_eq:eeT {\familydefault} {\rmdefault}
3196 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3197 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3198 \normalfont
3199 }
3200
3201 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn

```



```

3202
3203 \tl_set_eq:NN \setlatinsansfont \setsansfont
3204 \tl_set_eq:NN \setlatinmonofont \setmonofont
3205
3206 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3207 {
3208   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3209   \NewDocumentCommand
3210 }
3211 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3212 {
3213   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3214   \RenewDocumentCommand
3215 }
3216 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3217 {
3218   \xepersian_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=PersianT
3219   \use:x
3220   {
3221     \exp_not:N #4 \exp_not:N #1 {}
3222     {
3223       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3224       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3225       \exp_not:N \selectfont
3226     }
3227   }
3228 }
3229
3230 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3231 {
3232   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3233   \NewDocumentCommand
3234 }
3235 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3236 {
3237   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3238   \RenewDocumentCommand
3239 }
3240 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3241 {
3242   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#
3243   \use:x
3244   {
3245     \exp_not:N #4 \exp_not:N #1 {}
3246     {
3247       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3248       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3249       \exp_not:N \selectfont
3250     }
3251   }
3252 }
3253
3254 \newcommand\persiansfdefault{}
3255 \newcommand\persianttdefault{}

```



```

3256 \newcommand\iranicondefault{}
3257 \newcommand\navardefault{}
3258 \newcommand\pookdefault{}
3259 \newcommand\sayehdefault{}
3260 \DeclareRobustCommand\persiansffamily
3261     {\not@math@alphabet\persiansffamily\mathpersiansf
3262     \fontfamily\persiansfdefault\selectfont}
3263 \DeclareRobustCommand\persianttfamily
3264     {\not@math@alphabet\persianttfamily\mathpersiantt
3265     \fontfamily\persianttdefault\selectfont}
3266 \DeclareRobustCommand\iraniconfamily
3267     {\not@math@alphabet\iraniconfamily\mathiranicon
3268     \fontfamily\iranicondefault\selectfont}
3269 \DeclareRobustCommand\navarfamily
3270     {\not@math@alphabet\navarfamily\mathnavar
3271     \fontfamily\navardefault\selectfont}
3272 \DeclareRobustCommand\pookfamily
3273     {\not@math@alphabet\pookfamily\mathpook
3274     \fontfamily\pookdefault\selectfont}
3275 \DeclareRobustCommand\sayehfamily
3276     {\not@math@alphabet\sayehfamily\mathsayeh
3277     \fontfamily\sayehdefault\selectfont}
3278 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3279 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3280 \DeclareTextFontCommand{\textiranicon}{\iraniconfamily}
3281 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3282 \DeclareTextFontCommand{\textpook}{\pookfamily}
3283 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3284
3285 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3286 {
3287     \_xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3288     \ignorespaces
3289 }
3290 \cs_new:Nn \_xepersian_main_setpersiansansfont:nn
3291 {
3292     \xepersian_set_family:Nnn \l__xepersian_persiansffamily_family_tl {Ligatures=PersianTeX,#1}
3293     \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3294     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3295     {
3296         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3297         \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3298         \exp_not:N \selectfont
3299     }
3300 }
3301 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3302 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3303 \_xepersian_setpersiansansfont_hook:nn {#1} {#2}
3304 \normalfont
3305 }
3306
3307 \cs_set_eq:NN \_xepersian_setpersiansansfont_hook:nn \use_none:nn
3308
3309 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }

```



```

3310 {
3311   \_xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3312   \ignorespaces
3313 }
3314 \cs_new:Nn \_xepersian_main_setpersianmonofont:nn
3315 {
3316   \xepersian_set_family:Nnn \l__xepersian_persianttfamily_family_tl {Ligatures=PersianTeX,#1}
3317   \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
3318   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3319     {
3320       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3321       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3322       \exp_not:N \selectfont
3323     }
3324   }
3325   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3326     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3327   \_xepersian_setpersianmonofont_hook:nn {#1} {#2}
3328   \normalfont
3329 }
3330
3331 \cs_set_eq:NN \_xepersian_setpersianmonofont_hook:nn \use_none:nn
3332
3333 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3334 {
3335   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3336   \ignorespaces
3337 }
3338 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3339 {
3340   \xepersian_set_family:Nnn \l__xepersian_navarfamilly_family_tl {Ligatures=PersianTeX,#1} {#2}
3341   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3342   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3343     {
3344       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3345       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3346       \exp_not:N \selectfont
3347     }
3348   }
3349   \str_if_eq:eeT {\familydefault} {\navardefault}
3350     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3351   \_xepersian_setnavarfont_hook:nn {#1} {#2}
3352   \normalfont
3353 }
3354
3355 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3356
3357 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3358 {
3359   \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3360   \ignorespaces
3361 }
3362 \cs_new:Nn \_xepersian_main_setpookfont:nn
3363 {

```



```

3364 \xepersian_set_family:Nnn \l__xepersian_pookfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3365 \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3366 \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3367 {
3368   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3369   \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3370   \exp_not:N \selectfont
3371 }
3372 }
3373 \str_if_eq:eeT {\familydefault} {\pookdefault}
3374 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3375 \__xepersian_setpookfont_hook:nn {#1} {#2}
3376 \normalfont
3377 }
3378
3379 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3380
3381 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3382 {
3383   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3384   \ignorespaces
3385 }
3386 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3387 {
3388   \xepersian_set_family:Nnn \l__xepersian_sayehfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3389   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3390   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3391   {
3392     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3393     \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3394     \exp_not:N \selectfont
3395   }
3396 }
3397 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3398 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3399 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3400 \normalfont
3401 }
3402
3403 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3404
3405 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3406 {
3407   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3408   \ignorespaces
3409 }
3410 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3411 {
3412   \xepersian_set_family:Nnn \l__xepersian_iranicfamily_family_tl {Ligatures=PersianTeX,#1} {#2}
3413   \tl_set_eq:NN \iranicondefault \l__xepersian_iranicfamily_family_tl
3414   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
3415   {
3416     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3417     \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }

```



```

3418 \exp_not:N \selectfont
3419 }
3420 }
3421 \str_if_eq:eeT {\familydefault} {\iranicdefault}
3422 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3423 \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3424 \normalfont
3425 }
3426
3427 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3428
3429 \ExplSyntaxOff
3430 \def\resetlatinfont{%
3431 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3432 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3433 \def\xepersian@@fontsize@scale{%
3434 \strip@pt\dimexpr 1pt * \dimexpr
3435 \xepersian@@latin@fontsize@scale pt\relax
3436 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3437 }%
3438 \def\xepersian@@baselineskip@scale{%
3439 \strip@pt\dimexpr 1pt * \dimexpr
3440 \xepersian@@latin@baselineskip@scale pt\relax
3441 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3442 }%
3443 \@nonlatinfalse%
3444 \let\normalfont\latinfont%
3445 \let\reset@font\normalfont%
3446 \latinfont%
3447 \fontsize\font@size\font@baselineskip%
3448 \selectfont%
3449 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3450 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3451 }
3452 \def\setpersianfont{%
3453 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3454 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3455 \let\xepersian@@fontsize@scale\@ne%
3456 \let\xepersian@@baselineskip@scale\@ne%
3457 \@nonlatintrue%
3458 \let\normalfont\persianfont%
3459 \let\reset@font\normalfont%
3460 \persianfont%
3461 \fontsize\font@size\font@baselineskip%
3462 \selectfont%
3463 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3464 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
3465 }
3466 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3467 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3468 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3469 \def\endlatin{\endLTR}
3470 \newenvironment{latin*}{\latin
3471 \everypar{

```



```

3472      {\setbox\z@\lastbox
3473        \ifvoid\z@
3474          \kern-\parindent
3475        \fi}%
3476    }%
3477  }{\endlatin\@endpetrue}
3478  \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3479  \def\endpersian{\endRTL}
3480  \newenvironment{persian*}{\persian
3481    \everypar{%
3482      {\setbox\z@\lastbox
3483        \ifvoid\z@
3484          \kern-\parindent
3485        \fi}%
3486      }%
3487    }{\endpersian\@endpetrue}
3488  \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{latinitems}}
3489  \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{persianitems}}
3490  \let\originaltoday=\today
3491  \def\latintoday{\lr{\originaltoday}}
3492  \def\today{\rl{\persiantoday}}
3493  \def \@LTRmarginparreset {%
3494    \reset@font
3495    \resetlatinfont
3496    \normalsize
3497    \@minipagetrue
3498    \everypar{\@minipagefalse\everypar{}\beginL}%
3499  }
3500  \DeclareRobustCommand\Latincite{%
3501    \@ifnextchar [{\@tempswatrue\@Latincite}{\@tempswafalse\@Latincite[]}]
3502  \def\@Latincite[#1]#2{\leavevmode
3503    \let\@citea\@empty
3504    \@cite{\lr{\@for\@citeb:=#2\do
3505      {\@citea\def\@citea{,\penalty\@m }}%
3506      \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3507      \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3508      \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3509      \G@refundefinedtrue
3510      \@latex@warning
3511        {Citation ``\@citeb' on page \thepage \space undefined}}%
3512      {\@citeofmt{\cename b@\@citeb\endcsname}}}\@#1}}
3513
3514  \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3515
3516  \newif\if@xepersian@computeautoilg
3517  \newcount\xepersian@tcl
3518  \newdimen\xepersian@ilg
3519  \newdimen\xepersian@strutilg
3520  \chardef\f@ur=4
3521  \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3522    \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3523    \loop
3524      \iffontchar\font\xepersian@tcl
3525      \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@

```



```

3526 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3527 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3528 \fi
3529 \else
3530 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3531 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3532 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3533 \fi
3534 \fi
3535 \fi
3536 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3537 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3538 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3539 \fi
3540 \else
3541 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3542 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3543 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3544 \fi
3545 \fi
3546 \fi
3547 \fi
3548 \advance\xepersian@tcl\@ne
3549 \ifnum\xepersian@tcl<1792\repeat
3550 \advance\xepersian@strutilg\xepersian@ilg
3551 % \ifdim\xepersian@strutilg>\baselineskip
3552 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3553 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3554 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3555 % \selectfont
3556 % \fi
3557 }
3558
3559 \newif\if@@textdigitfont@on
3560
3561 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3562 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3563
3564 \TextDigitFontOn
3565
3566 \newcommand*\xepersian@setlength[4]{%
3567 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3568 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3569 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3570 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3571 \else
3572 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3573 \fi
3574 \else
3575 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3576 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3577 \else
3578 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3579 \fi

```





```

3580     \fi
3581   \else
3582     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3583     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3584     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3585   \else
3586     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3587   \fi
3588 \else
3589   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3590   \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3591 \else
3592   \setlength{#1}{#2 \@plus#3 \@minus#4}%
3593 \fi
3594 \fi
3595 \fi
3596 }
3597
3598 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3599   \@defaultunits\@tempdima#2pt\relax\@nnil
3600   \setlength{\@tempdimc}{\@tempdima}%
3601   \addtolength{\@tempdimc}{-10\p@}%
3602   \edef\@ptsize{\strip@pt\@tempdimc}%
3603   \@defaultunits\@tempdimb#1pt\relax\@nnil
3604   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3605   \edef\@tempb{\the\@tempdimc}%
3606   \setlength{\@tempdimc}{\@tempdima}%
3607   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3608   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3609   \xepersian@setlength{\abovedisplayskip}%
3610     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3611   \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3612   \xepersian@setlength{\belowdisplayshortskip}%
3613     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3614   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3615   \edef\normalsize{%
3616     \noexpand\setfontsize\noexpand\normalsize
3617     {\the\@tempdima}{\the\@tempdimb}%
3618     \abovedisplayskip \the\abovedisplayskip
3619     \abovedisplayshortskip \the\abovedisplayshortskip
3620     \belowdisplayskip \the\belowdisplayskip
3621     \belowdisplayshortskip \the\belowdisplayshortskip
3622     \let\noexpand\@listi\noexpand\@listI
3623   }%
3624   \setlength{\@tempdima}{0.9125\@tempdimc}%
3625   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3626   \xepersian@setlength{\abovedisplayskip}%
3627     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3628   \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3629   \xepersian@setlength{\belowdisplayshortskip}%
3630     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3631   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3632   \edef\small{%
3633     \noexpand\setfontsize\noexpand\small

```



```

3634 {\the\@tempdima}{\the\@tempdimb}%
3635 \abovedisplayskip \the\abovedisplayskip
3636 \abovedisplayshortskip \the\abovedisplayshortskip
3637 \belowdisplayskip \the\belowdisplayskip
3638 \belowdisplayshortskip \the\belowdisplayshortskip
3639 \let\noexpand\@listi\noexpand\@listi@small
3640 }%
3641 \setlength{\@tempdima}{.83334\@tempdimc}%
3642 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3643 \xepersian@setlength{\abovedisplayskip}%
3644     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3645 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3646 \xepersian@setlength{\belowdisplayshortskip}%
3647     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3648 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3649 \edef\footnotesize{%
3650     \noexpand\@setfontsize\noexpand\footnotesize
3651     {\the\@tempdima}{\the\@tempdimb}%
3652     \abovedisplayskip \the\abovedisplayskip
3653     \abovedisplayshortskip \the\abovedisplayshortskip
3654     \belowdisplayskip \the\belowdisplayskip
3655     \belowdisplayshortskip \the\belowdisplayshortskip
3656     \let\noexpand\@listi\noexpand\@listi@footnotesize
3657 }%
3658 \setlength{\@tempdima}{.66667\@tempdimc}%
3659 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3660 \edef\scriptsize{%
3661     \noexpand\@setfontsize\noexpand\scriptsize
3662     {\the\@tempdima}{\the\@tempdimb}%
3663 }%
3664 \setlength{\@tempdima}{.5\@tempdimc}%
3665 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3666 \edef\tiny{%
3667     \noexpand\@setfontsize\noexpand\tiny
3668     {\the\@tempdima}{\the\@tempdimb}%
3669 }%
3670 \setlength{\@tempdima}{1.2\@tempdimc}%
3671 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3672 \edef\large{%
3673     \noexpand\@setfontsize\noexpand\large
3674     {\the\@tempdima}{\the\@tempdimb}%
3675 }%
3676 \setlength{\@tempdima}{1.44\@tempdimc}%
3677 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3678 \edef\Large{%
3679     \noexpand\@setfontsize\noexpand\Large
3680     {\the\@tempdima}{\the\@tempdimb}%
3681 }%
3682 \setlength{\@tempdima}{1.728\@tempdimc}%
3683 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3684 \edef\LARGE{%
3685     \noexpand\@setfontsize\noexpand\LARGE
3686     {\the\@tempdima}{\the\@tempdimb}%
3687 }%

```



```

3688 \setlength{\@tempdima}{2.074\@tempdimc}%
3689 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3690 \edef\huge{%
3691   \noexpand\@setfontsize\noexpand\huge
3692   {\the\@tempdima}{\the\@tempdimb}%
3693 }%
3694 \setlength{\@tempdima}{2.488\@tempdimc}%
3695 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3696 \edef\Huge{%
3697   \noexpand\@setfontsize\noexpand\Huge
3698   {\the\@tempdima}{\the\@tempdimb}%
3699 }%
3700 \normalsize
3701 \setlength{\@tempdimb}{\f@baselineskip}%
3702 \xepersian@setlength{\parsep}%
3703   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3704 \xepersian@setlength{\topsep}%
3705   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3706 \@tempswafalse
3707 \begingroup
3708   \def\@list@extra{\aftergroup\@tempwattrue}%
3709   \csname @listi\endcsname
3710 \endgroup
3711 \edef\@listi{\leftmargin\leftmargini
3712   \topsep \the\topsep
3713   \parsep \the\parsep
3714   \itemsep \parsep
3715   \if@tempswa\noexpand\@list@extra\fi
3716 }%
3717 \let\@listI\@listi
3718 \xepersian@setlength{\parsep}%
3719   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3720 \xepersian@setlength{\topsep}%
3721   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3722 \@tempswafalse
3723 \begingroup
3724   \def\@list@extra{\aftergroup\@tempwattrue}%
3725   \csname @listi\endcsname
3726 \endgroup
3727 \edef\@listi@small{\leftmargin\leftmargini
3728   \topsep \the\topsep
3729   \parsep \the\parsep
3730   \itemsep \parsep
3731   \if@tempswa\noexpand\@list@extra\fi
3732 }%
3733 \xepersian@setlength{\parsep}%
3734   {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3735 \xepersian@setlength{\topsep}%
3736   {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
3737 \@tempswafalse
3738 \begingroup
3739   \def\@list@extra{\aftergroup\@tempwattrue}%
3740   \csname @listi\endcsname
3741 \endgroup

```



```

3742 \edef\@listi@footnotesize{\leftmargin\leftmargini
3743 \topsep \the\topsep
3744 \parsep \the\parsep
3745 \itemsep \parsep
3746 \if@tempswa\noexpand\@list@extra\fi
3747 }%
3748 \xepersian@setlength{\parsep}%
3749         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3750 \xepersian@setlength{\topsep}%
3751         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3752 \@tempswafalse
3753 \begingroup
3754 \def\@list@extra{\aftergroup\@tempswatrue}%
3755 \csname @listii\endcsname
3756 \endgroup
3757 \edef\@listii{\leftmargin\leftmarginii
3758 \labelwidth=\dimexpr \leftmargin-\labelsep
3759 \topsep \the\topsep
3760 \parsep \the\parsep
3761 \itemsep \parsep
3762 \if@tempswa\noexpand\@list@extra\fi
3763 }%
3764 \xepersian@setlength{\topsep}%
3765         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3766 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3767 \@tempswafalse
3768 \begingroup
3769 \def\@list@extra{\aftergroup\@tempswatrue}%
3770 \csname @listiii\endcsname
3771 \endgroup
3772 \edef\@listiii{\leftmargin\leftmarginiii
3773 \labelwidth=\dimexpr \leftmargin-\labelsep
3774 \topsep \the\topsep
3775 \parsep \z@
3776 \partopsep \the\partopsep
3777 \itemsep \topsep
3778 \if@tempswa\noexpand\@list@extra\fi
3779 }%
3780 \@tempswafalse
3781 \begingroup
3782 \def\@list@extra{\aftergroup\@tempswatrue}%
3783 \csname @listiv\endcsname
3784 \endgroup
3785 \edef\@listiv{\leftmargin\leftmarginiv
3786 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3787 \if@tempswa\noexpand\@list@extra\fi
3788 }%
3789 \@tempswafalse
3790 \begingroup
3791 \def\@list@extra{\aftergroup\@tempswatrue}%
3792 \csname @listv\endcsname
3793 \endgroup
3794 \edef\@listv{\leftmargin\leftmarginv
3795 \labelwidth=\dimexpr \leftmargin-\labelsep\relax

```



```

3796 \if@tempswa\noexpand\@list@extra\fi
3797 }%
3798 \@tempswafalse
3799 \begingroup
3800 \def\@list@extra\aftergroup\@tempwattrue}%
3801 \csname @listvi\endcsname
3802 \endgroup
3803 \edef\@listvi{\leftmargin\leftmarginvi
3804 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3805 \if@tempswa\noexpand\@list@extra\fi
3806 }%
3807 \@listi
3808 \setlength{\@tempdimb}{\f@baselineskip}%
3809 \setlength{\footnotesep}{.555\@tempdimb}%
3810 \xepersian@setlength{\skip\footins}%
3811 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3812 \xepersian@setlength{\floatsep}%
3813 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3814 \xepersian@setlength{\textfloatsep}%
3815 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3816 \setlength{\intextsep}{\floatsep}%
3817 \setlength{\dblfloatsep}{\floatsep}%
3818 \setlength{\dbltextfloatsep}{\textfloatsep}%
3819 \setlength{\@fptop}{\z@ \@plus 1fil}%
3820 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3821 \setlength{\@fpbot}{\@fptop}%
3822 \setlength{\@dblfpbot}{\@fptop}%
3823 \setlength{\@dblfpsep}{\@fpsep}%
3824 \setlength{\@dblfpbot}{\@fptop}%
3825 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3826 }
3827
3828 \renewcommand*{\@bidi@logo@}{%
3829 \@bidi@logo@hb@xt@columnwidth
3830 {\hss\bfseries
3831
3832 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3833
3834 \renewcommand*{\@bidi@pdfcreator}{%
3835 The xepersian package, v\xepersian@version, \xepersian@date
3836 }
3837
3838 \newcommand*{\@xepersian@pdfcustomproperties}{%
3839 This is the xepersian package, Version \xepersian@version,
3840 Released February 20, 2022.
3841 }
3842
3843 \newcommand\twocolumnstableofcontents{%
3844 \if@bidi@csundef{multi@column@out}{%
3845 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3846 \begin{multicols}{2}[\section*{\contentsname}]}%
3847 \small
3848 \@starttoc{toc}%
3849 \end{multicols}}}

```



```

3850 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3851 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3852 \def\figurename{\if@RTL else\ Figure\fi}
3853 \def\tablename{\if@RTL else\ Table\fi}
3854 \def\contentsname{\if@RTL else\ Contents\fi}
3855 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3856 \def\listtablename{\if@RTL else\ List of Tables\fi}
3857 \def\appendixname{\if@RTL else\ Appendix\fi}
3858 \def\indexname{\if@RTL else\ Index\fi}
3859 \def\refname{\if@RTL else\ References\fi}
3860 \def\abstractname{\if@RTL else\ Abstract\fi}
3861 \def\partname{\if@RTL else\ Part\fi}
3862 \def\datename{\if@RTL else\ Date:\fi}
3863 \def\@and{\if@RTL else\ and\fi}
3864 \def\bibname{\if@RTL else\ Bibliography\fi}
3865 \def\chaptername{\if@RTL else\ Chapter\fi}
3866 \def\ccname{\if@RTL else\ cc\fi}
3867 \def\enclname{\if@RTL else\ encl\fi}
3868 \def\pagename{\if@RTL else\ Page\fi}
3869 \def\headtoname{\if@RTL else\ To\fi}
3870 \def\proofname{\if@RTL else\ Proof\fi}
3871 \def\@Abjad#1{%
3872 \ifcase#1\or or\ or\ or\ %
3873 \or or\ or\ or\ or\ %
3874 \or or\ or\ or\ or\ %
3875 \or or\ or\ or\ %
3876 \or or\ or\ or\ or\ %
3877 \or or\ or\ or\ or\ %
3878 \else\@ctrerr\fi}
3879 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3880 \let\Abjadnumeral\@Abjad
3881 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3882 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3883 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3884 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3885 \let\harfinumeral\@harfi
3886 \newcommand{\adadi}[1]{%
3887 \expandafter\@adadi\csname c@#1\endcsname%
3888 }
3889 \newcommand{\@adadi}[1]{%
3890 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3891 }
3892 \let\adadinumeral\@adadi%
3893 \def\xepersian@numberoutofrange#1#2{%
3894 \PackageError{xepersian}{The number `#1' is too large %
3895 to be formatted using xepersian}{The largest possible %
3896 number is 999,999,999.}%
3897 }
3898 \def\xepersian@numberstring#1#2#3#4{%
3899 \ifnum\number#1<\@ne%
3900 #3%
3901 \else\ifnum\number#1<1000000000 %
3902 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3903 \else%

```



```

3904 \xepersian@numberoutofrange{#1}{#4}%
3905 \fi\fi%
3906 }
3907 \def\xepersian@adadi#1#2{%
3908 \expandafter\xepersian@@adadi%
3909 \ifcase%
3910 \ifnum#1<10 1%
3911 \else\ifnum#1<100 2%
3912 \else\ifnum#1<\@m 3%
3913 \else\ifnum#1<\@M 4%
3914 \else\ifnum#1<100000 5%
3915 \else\ifnum#1<1000000 6%
3916 \else\ifnum#1<10000000 7%
3917 \else\ifnum#1<100000000 8%
3918 \else9%
3919 \fi\fi\fi\fi\fi\fi\fi\fi %
3920 \or00000000#1% case 1: Add 8 leading zeros
3921 \or0000000#1% case 2: Add 7 leading zeros
3922 \or000000#1% case 3: Add 6 leading zeros
3923 \or00000#1% case 4: Add 5 leading zeros
3924 \or0000#1% case 5: Add 4 leading zeros
3925 \or000#1% case 6: Add 3 leading zeros
3926 \or00#1% case 7: Add 2 leading zeros
3927 \or0#1% case 8: Add 1 leading zero
3928 \or#1% case 9: Add no leading zeros
3929 \or%
3930 \@nil#2%
3931 \fi%
3932 }
3933 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3934 \ifnum#1#2#3>\z@
3935 \xepersian@milyoongan#1#2#3%
3936 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3937 \fi%
3938 \ifnum#4#5#6>\z@%
3939 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3940 \ifnum#4#5#6>\@ne\fi%
3941 %
3942 \ifnum#7>\z@\ \fi%
3943 \fi%
3944 \xepersian@sadgan#7{#4#5#6}1#9%
3945 }
3946 \def\xepersian@milyoongan#1#2#3{%
3947 \ifnum#1#2#3=\@ne%
3948 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3949 %
3950 %
3951 \else%
3952 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3953 %
3954 %
3955 \fi%
3956 }
3957 \def\xepersian@sadgan#1#2#3#4#5#6{%

```



```

3958 \ifnum#1>\z@%
3959 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3960 %
3961 \ifnum#2#3>\z@\ \fi%
3962 \fi%
3963 \ifnum#2#3<20%
3964 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3965 \else%
3966 \xepersian@dahgan#2%
3967 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3968 #60%
3969 \fi%
3970 }
3971 \def\xepersian@yekani#1{%
3972 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3973 \or or\ or\ or\ or\ or\ or\ %
3974 \or or\ or\ or\ %
3975 \or or\ %fi\
3976 }
3977 \def\xepersian@yekanii#1{%
3978 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3979 }
3980 \def\xepersian@yekaniii#1{%
3981 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3982 }
3983 \def\xepersian@yekaniv#1{%
3984 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3985 \or or\ or\ %fi\
3986 }
3987 \def\xepersian@dahgan#1{%
3988 \ifcase#1\or\or or\ or\ %
3989 \or or\ or\ or\ %
3990 \or %fi\
3991 }
3992 \newcommand{\tartibi}[1]{%
3993 \expandafter\@tartibi\csname c@#1\endcsname%
3994 }
3995 \newcommand{\@tartibi}[1]{%
3996 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{}%
3997 }
3998 \let\tartibinumeral\@tartibi%
3999 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4000 \ifnum\number#1<\@ne%
4001 #3%
4002 \else\ifnum\number#1<1000000000 %
4003 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4004 \else%
4005 \xepersian@numberoutofrange{#1}{#4}%
4006 \fi\fi%
4007 }
4008 \def\xepersian@adadi@tartibi#1#2{%
4009 \expandafter\xepersian@@adadi@tartibi%
4010 \ifcase%
4011 \ifnum#1<10 %

```





```

4012 \else\ifnum#1<100 2%
4013 \else\ifnum#1<\@m 3%
4014 \else\ifnum#1<\@M 4%
4015 \else\ifnum#1<100000 5%
4016 \else\ifnum#1<1000000 6%
4017 \else\ifnum#1<10000000 7%
4018 \else\ifnum#1<100000000 8%
4019 \else9%
4020 \fi\fi\fi\fi\fi\fi\fi\fi %
4021 \or00000000#1% case 1: Add 8 leading zeros
4022 \or0000000#1% case 2: Add 7 leading zeros
4023 \or000000#1% case 3: Add 6 leading zeros
4024 \or00000#1% case 4: Add 5 leading zeros
4025 \or0000#1% case 5: Add 4 leading zeros
4026 \or000#1% case 6: Add 3 leading zeros
4027 \or00#1% case 7: Add 2 leading zeros
4028 \or0#1% case 8: Add 1 leading zero
4029 \or#1% case 9: Add no leading zeros
4030 \or%
4031 \@nil#2%
4032 \fi%
4033 }
4034 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4035 \ifnum#1#2#3>\z@
4036 \xepersian@milyoongan@tartibi#1#2#3%
4037 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4038 \fi%
4039 \ifnum#4#5#6>\z@%
4040 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4041 \ifnum#4#5#6>\@ne \fi%
4042 %
4043 \ifnum#7>\z@\ \fi%
4044 \fi%
4045 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4046 }
4047 \def\xepersian@milyoongan@tartibi#1#2#3{%
4048 \ifnum#1#2#3=\@ne%
4049 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4050 %
4051 %
4052 \else%
4053 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4054 %
4055 %
4056 \fi%
4057 }
4058 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4059 \ifnum#1>\z@%
4060 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4061 %
4062 \ifnum#2#3>\z@\ \fi%
4063 \fi%
4064 \ifnum#2#3<20%
4065 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\

```



```

4066 \else%
4067 \ifnum#2#3=30%
4068 \xepersian@dahgan@tartibi#2%
4069 \else%
4070 \xepersian@dahgan#2%
4071 \fi%
4072 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
4073 #60%
4074 \fi%
4075 }
4076 \def\xepersian@dahgan@tartibi#1{%
4077 \ifcase#1\or\or\or\or\ %
4078 \or\or\or\or\ %
4079 \or\ %fi\
4080 }
4081 \def\xepersian@tartibi#1{%
4082 \ifcase#1\or\or\or\or\ %
4083 \or\or\or\or\or\ %
4084 \or\or\or\or\ %
4085 \or\or\or\ %
4086 \or\or\or\ %fi\
4087 }
4088 \def\xepersian@yekanv#1{%
4089 \ifcase#1\@empty\or\or\or\or\or\or\ %
4090 \or\or\or\or\or\or\or\ %
4091 \or\or\or\or\ %
4092 \or\or\ %fi\
4093 }
4094 \providecommand*\xpg@warning}[1]{%
4095 \PackageWarning{XePersian}%
4096 {#1}}
4097 \if@bidi@csundef{@abjad}{%
4098 \def@abjad#1{%
4099 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4100 \else
4101 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4102 \else
4103 \ifnum#1<10\expandafter\abj@num@i\number#1%
4104 \else
4105 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4106 \else
4107 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4108 \else
4109 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4110 \fi
4111 \fi
4112 \fi
4113 \fi
4114 \fi
4115 \fi
4116 }
4117 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4118 \let\abjadnumeral\@abjad
4119 \def\abjad@zero{}

```



```

4120 \def\abj@num@i#1{%
4121   \ifcase#1\or or\ or\ or\ %
4122     \or or\ or\ or\ or\ fi\
4123   \ifnum#1=\z@\abjad@zero\fi}
4124 \def\abj@num@ii#1{%
4125   \ifcase#1\or or\ or\ or\ or\ %
4126     \or or\ or\ or\ fi\
4127   \ifnum#1=\z@\fi\abj@num@i}
4128 \def\abj@num@iii#1{%
4129   \ifcase#1\or or\ or\ or\ or\ %
4130     \or or\ or\ or\ fi\
4131   \ifnum#1=\z@\fi\abj@num@ii}
4132 \def\abj@num@iv#1{%
4133   \ifcase#1\or fi\
4134   \ifnum#1=\z@\fi\abj@num@iii}
4135 }{}
4136 \let\@latinalph\@alph%
4137 \let\@latinAlph\@Alph%
4138 \def\LatinAlphs{%
4139   \let\@alph\@latinalph%
4140   \let\@Alph\@latinAlph%
4141 }
4142 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
4143 \renewcommand*{\bidi@thebibliography@font@hook}{%
4144   \if@LTRbibitems
4145     \resetlatinfont
4146   \fi}
4147 \bidi@AfterEndPreamble{%
4148   \if@bidi@csundef{persianfont}{%
4149     \PackageError{xepersian}{You have not specified any font\MessageBreak
4150       for the main Persian text}{Use ``\settextfont' to load a font.}%
4151   }}
4152 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4153 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4154 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4155 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4156 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4157 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4158 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4159 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4160 \ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
4161 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4162 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4163 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4164 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4165 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4166 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4167 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4168 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4169 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4170 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4171 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4172 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
4173 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}

```



```

4174 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
4175 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4176 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4177 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4178 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4179 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4180 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4181 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
4182 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4183 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4184 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4185 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4186 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4187 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4188 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4189 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4190 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4191 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4192 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4193 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
4194 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4195 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4196 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4197
4198 \def\xepersian@fontsize@branch#1{%
4199   \@tempcnta\z@
4200   \@for\xepersian@tmp:=#1\do{%
4201     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
4202     \ifcase\@tempcnta\relax% cnta == 0
4203       \edef\xepersian@value{\xepersian@frag}%
4204       \setfontsize{\xepersian@frag}%
4205     \or% cnta == 1
4206       \setfontsize[\xepersian@frag]{\xepersian@value}%
4207     \else\fi
4208     \advance\@tempcnta\@ne}%
4209 }
4210
4211
4212 \define@choicekey{xepersian.sty}{mathdigits}{\xepersian@tempa\xepersian@tempb}{automatic,defa
4213   \ifcase\xepersian@tempb\relax
4214     \AutoMathDigits
4215   \or
4216     \DefaultMathDigits
4217   \or
4218     \PersianMathDigits
4219   \fi}
4220 \define@choicekey{xepersian.sty}{inlinemathdigits}{\xepersian@tempa\xepersian@tempb}{automati
4221   \ifcase\xepersian@tempb\relax
4222     \AutoInlineMathDigits
4223   \or
4224     \DefaultInlineMathDigits
4225   \or
4226     \PersianInlineMathDigits
4227   \fi}

```



```

4228 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automat
4229 \ifcase\xepersian@tempb\relax
4230 \AutoDisplayMathDigits
4231 \or
4232 \DefaultDisplayMathDigits
4233 \or
4234 \PersianDisplayMathDigits
4235 \fi}
4236 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4237 \ifcase\xepersian@tempb\relax
4238 \@RTLtrue
4239 \or
4240 \@RTLfalse
4241 \fi}
4242
4243 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttole
4244 \ifcase\xepersian@tempb\relax
4245 \@RTLtrue
4246 \or
4247 \@RTLfalse
4248 \fi}
4249
4250
4251 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttole
4252 \ifcase\xepersian@tempb\relax
4253 \@RTLtabtrue
4254 \or
4255 \@RTLtabfalse
4256 \fi}
4257
4258 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[la
4259 \ifcase\xepersian@tempb\relax
4260 \@nonlatinfalse
4261 \or
4262 \@nonlatintrue
4263 \fi}
4264
4265 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4266 \ifcase\xepersian@tempb\relax
4267 \@RTLtrue
4268 \or
4269 \@RTLfalse
4270 \fi}
4271 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,le
4272 \ifcase\xepersian@tempb\relax
4273 \autofootnoterule
4274 \or
4275 \leftfootnoterule
4276 \or
4277 \rightfootnoterule
4278 \or
4279 \SplitFootnoteRule
4280 \or
4281 \textwidthfootnoterule

```



```

4282 \fi}
4283 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4284 \ifcase\xepersian@tempb\relax
4285 \RTL@footnotetrue
4286 \or
4287 \RTL@footnotefalse
4288 \fi}
4289 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4290 \ifcase\xepersian@tempb\relax
4291 \footdir@debugtrue
4292 \or
4293 \footdir@debugfalse
4294 \fi}
4295 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4296 \ifcase\xepersian@tempb\relax
4297 \input{kashida-xepersian.def}
4298 \fi}
4299 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4300 \ifcase\xepersian@tempb\relax
4301 \input{localise-xepersian.def}
4302 \fi}
4303 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4304 \ifcase\xepersian@tempb\relax
4305 \@extrafootnotefeaturestrue
4306 \or
4307 \@extrafootnotefeaturesfalse
4308 \fi}
4309 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4310 \ifcase\xepersian@tempb\relax
4311 \PackageWarning{xepersian}{Obsolete option}%
4312 \ifwritexviii%
4313 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with memoir}%
4314 \renewcommand\printindex{\newpage%
4315 \immediate\closeout\@indexfile
4316 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.ind}}}%
4317 \@input@{\jobname.ind}}}%
4318 \else
4319 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run xindy}%
4320 \fi
4321 \fi}
4322 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4323 \ifcase\xepersian@tempb\relax
4324 \ifwritexviii%
4325 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with memoir}%
4326 \renewcommand\printindex{\newpage%
4327 \immediate\closeout\@indexfile
4328 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.ind}}}%
4329 \@input@{\jobname.ind}}}%
4330 \else
4331 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run xindy}%
4332 \fi
4333 \fi}
4334 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4335 \ifcase\xepersian@tempb\relax

```



```

4336 \ifwritexviii%
4337 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4338 \renewcommand\printindex{\newpage%
4339 \immediate\closeout\@indexfile
4340 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobnam
4341 \@input@{\jobname.ind}}}%
4342 \else
4343 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4344 \fi
4345 \fi}
4346 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4347 \ifcase\xepersian@tempb\relax
4348 \def\PersianAlphs{%
4349 \let\@alph\@abjad%
4350 \let\@Alph\@abjad%
4351 }
4352 \or
4353 \def\PersianAlphs{%
4354 \let\@alph\@Abjad%
4355 \let\@Alph\@Abjad%
4356 }
4357 \fi}
4358 \DeclareOptionX{defaultlatinfontfeatures}{%
4359 \defaultfontfeatures
4360 [\latinfont]
4361 {#1}
4362 }
4363
4364 \DeclareOptionX{mathfontsizescale}{%
4365 \def\xepersian@@math@fontsize@scale{#1}%
4366 }
4367
4368 \DeclareOptionX{fontsizescale}{%
4369 \def\xepersian@@fontsize@scale{#1}%
4370 }
4371
4372 \DeclareOptionX{fontsize}{%
4373 \xepersian@@fontsize@branch{#1}%
4374 }
4375
4376 \DeclareOptionX{latinfontsizescale}{%
4377 \def\xepersian@@latin@fontsize@scale{#1}%
4378 }
4379
4380 \DeclareOptionX{baselineskipscale}{%
4381 \def\xepersian@@baselineskip@scale{#1}%
4382 }
4383
4384 \DeclareOptionX{latinbaselineskipscale}{%
4385 \def\xepersian@@latin@baselineskip@scale{#1}%
4386 }
4387
4388 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4389 \ifcase\xepersian@tempb\relax

```



```

4390 \AtBeginDocument{\@bidi@inslogo}%
4391 \or
4392 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4393 \fi}
4394
4395 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4396 \ifcase\xepersian@tempb\relax
4397 \@bidi@pdfm@marktrue
4398 \or
4399 \@bidi@pdfm@markfalse
4400 \fi}
4401
4402 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4403 \ifcase\xepersian@tempb\relax
4404 \xepersian@@computeautoilgtrue
4405 \or
4406 \xepersian@@computeautoilgfalse
4407 \fi}
4408
4409 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4410 \ifcase\xepersian@tempb\relax
4411 \def\bidi@firstcolumn@status@write{%
4412 \protected@write\@auxout{%
4413 {\string\bidi@column@status
4414 {1}}}%
4415 \def\bidi@lastcolumn@status@write{%
4416 \protected@write\@auxout{%
4417 {\string\bidi@column@status{2}}}%
4418 \or
4419 \let\bidi@firstcolumn@status@write\relax
4420 \let\bidi@lastcolumn@status@write\relax
4421 \fi}
4422
4423
4424 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4425 \ifcase\xepersian@tempb\relax
4426 \bidi@AtEndPreamble{%
4427 \bidi@patchcmd\xepersian@@start@switch@textdigitfont}%
4428 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{-}{-}%
4429 }
4430 \or
4431 \relax
4432 \fi}
4433
4434 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4435 \ifcase\xepersian@tempb\relax
4436 \@bidi@perpage@footnotetrue
4437 \or
4438 \@bidi@perpage@footnotefalse
4439 \fi}
4440
4441 \ExecuteOptionsX{%
4442 documentdirection=righttoleft,
4443 tabledirection=righttoleft,

```





```

4444     script=nonlatin,
4445     footnotedirection=righttoleft,
4446     footnoterule=automatic,
4447     abjadvariant=two,
4448     DetectColumn=off,
4449     fontsizescale=\@ne,
4450     latinfontsizescale=\@ne,
4451     mathfontsizescale=\@ne,
4452     baselineskip scale=\@ne,
4453     latinbaselineskip scale=\@ne
4454 }
4455
4456 \ProcessOptionsX
4457
4458 \if@extrafootnote features
4459   \input{extrafootnote features-xetex-bidi.def}%
4460   \input{extrafootnote features-xepersian.def}%
4461 \fi
4462
4463 \bidi@patchcmd{\set@font size}{\@tempdimb#2pt}{%
4464   \@tempdimb\xepersian@@font size@scale\dimexpr#2pt\relax
4465 }{}{}
4466
4467 \bidi@patchcmd{\set@font size}{\@tempkipa#3pt}{%
4468   \@tempkipa\xepersian@@baseline skip@scale\dimexpr#3pt\relax
4469 }{}{}
4470
4471
4472 \newcommand*{\xepersian@@update@math@font size}[1]{%
4473   \strip@pt\dimexpr\xepersian@@math@font size@scale
4474   \dimexpr 1pt * \dimexpr #1 pt\relax /
4475   \dimexpr \xepersian@@font size@scale pt\relax
4476   \relax\relax
4477 }
4478
4479 \bidi@patchcmd{\getanddefine@font s}{%
4480   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4481 }{%
4482   \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\tf@size\endcsname}%
4483 }{}{}
4484
4485 \bidi@patchcmd{\getanddefine@font s}{%
4486   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4487 }{%
4488   \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\sf@size\endcsname}%
4489 }{}{}
4490
4491 \bidi@patchcmd{\getanddefine@font s}{%
4492   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4493 }{%
4494   \xdef\font@name{\csname \string#2/\xepersian@@update@math@font size\ssf@size\endcsname}%
4495 }{}{}
4496
4497

```



```

4498 \if@xepersian@@computeautoilg
4499 \bidi@patchcmd{\set@fontsize}{%
4500 \baselineskip\f@baselineskip\relax
4501 }{f%
4502 \baselineskip\f@baselineskip\relax
4503 \xepersian@computeautoilg
4504 \ifdim\xepersian@strutilg>\baselineskip
4505 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4506 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4507 \baselineskip\xepersian@strutilg
4508 \ifdim\footnotesep=.7\baselineskip
4509 \else
4510 \footnotesep.7\baselineskip
4511 \fi
4512 \fi
4513 }{}{}
4514 \fi
4515
4516 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4517 \PersianAlphs

```

## 60 File xepersian-magazine.cls

```

4518 \NeedsTeXFormat{LaTeX2e}
4519 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4520 \RequirePackage{ifthen}
4521 \newlength{\xepersian@imgsize}
4522 \newlength{\xepersian@coltitsize}
4523 \newlength{\xepersian@pageneed}
4524 \newlength{\xepersian@pageleft}
4525 \newlength{\xepersian@indexwidth}
4526 \newcommand{\xepersian@ncolumns}{0}
4527 \newlength{\columnlines}
4528 \setlength{\columnlines}{0 pt} % no lines by default
4529 \newboolean{xepersian@hyphenatedtitles}
4530 \setboolean{xepersian@hyphenatedtitles}{true}
4531 \newboolean{xepersian@ninepoints}
4532 \setboolean{xepersian@ninepoints}{false}
4533 \newboolean{xepersian@showgrid}
4534 \setboolean{xepersian@showgrid}{false}
4535 \newboolean{xepersian@a3paper}
4536 \setboolean{xepersian@a3paper}{false}
4537 \newboolean{xepersian@insidefrontpage}
4538 \setboolean{xepersian@insidefrontpage}{false}
4539 \newboolean{xepersian@insideweather}
4540 \setboolean{xepersian@insideweather}{false}
4541 \newboolean{xepersian@insideindex}
4542 \setboolean{xepersian@insideindex}{false}
4543 \newcount\xepersian@gridrows
4544 \newcount\xepersian@gridcolumns
4545 \xepersian@gridrows=40
4546 \xepersian@gridcolumns=50
4547 \newcount\minraggedcols
4548 \minraggedcols=5

```



```

4549 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4550 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4551 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4552 \DeclareOption{twocolumn}%
4553 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4554 \DeclareOption{notitlepage}%
4555 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4556 \DeclareOption{twoside}%
4557 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4558 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4559 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4560 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4561 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4562 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4563 \ProcessOptions\relax
4564 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4565 \RequirePackage{ifxetex}
4566 \RequirePackage{multido}
4567 \RequirePackage{datetime}
4568 \RequirePackage{multicol}
4569 \RequirePackage{fancyhdr}
4570 \RequirePackage{fancybox}
4571 \ifthenelse{\boolean{xepersian@a3paper}}{%
4572 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4573 }{
4574 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4575 }
4576 \RequirePackage[absolute]{textpos} % absolute positioning
4577 \RequirePackage{hyphenat} % when hyphenate
4578 \RequirePackage{lastpage} % to know the last page number
4579 \RequirePackage{setspace} % set space between lines
4580 \RequirePackage{ragged2e}
4581 \newcommand{\raggedFormat}{\RaggedLeft}
4582 \AtEndOfClass{\xepersianInit}
4583 \ifthenelse{\boolean{xepersian@showgrid}}{%
4584 \AtBeginDocument{
4585 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4586 \advance\minraggedcols by -1
4587 }{%
4588 \AtBeginDocument{
4589 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4590 \advance\minraggedcols by -1
4591 }
4592 \ifthenelse{\boolean{xepersian@ninepoints}}{
4593 \renewcommand{\normalsize}{%
4594 \setfontsize{\normalsize}{9pt}{10pt}%
4595 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4596 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4597 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4598 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4599
4600 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4601
4602 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}

```



```

4603
4604 \renewcommand{\small}{%
4605   \@setfontsize{\small}{8pt}{9pt}%
4606   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4607   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4608   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4609   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4610
4611 \renewcommand{\footnotesize}{%
4612   \@setfontsize{\footnotesize}{8pt}{9pt}%
4613   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4614   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4615   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4616   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4617
4618 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4619 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4620 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4621 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4622 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4623 }{}
4624 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4625 \newcommand{\xepersian@wwwFormat}{\sfamily}
4626 \newcommand{\xepersian@www}{%
4627   \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt\}}
4628 }
4629 \newcommand{\xepersian@edition}{
4630   \newcommand{\editionFormat}{\large\bfseries\texttt}
4631   \newcommand{\xepersian@editionLogo}{%
4632     \raisebox{-3pt}{%
4633       {\editionFormat\xepersian@edition}%
4634     }%
4635 }
4636 \newcommand{\indexFormat}{\large\bfseries}
4637 \newcommand{\xepersian@indexFrameTitle}[1]
4638 {\begin{flushright}{\{\indexFormat #1\}\end{flushright}}
4639
4640 \newcommand{\indexEntryFormat}{\normalsize}
4641 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4642 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4643 \end{minipage}}
4644 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4645 \newcommand{\indexEntryPageTxt}{
4646 \newcommand{\indexEntryPageFormat}{\footnotesize}
4647 \newcommand{\xepersian@indexEntryPage}[1]{%
4648 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4649 }
4650 \newcommand{\headDateTimeFormat}{
4651 \newcommand{\xepersian@headDateTime}{%
4652 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4653 \currenttime %
4654 }
4655 \newcommand{\weatherFormat}{\bfseries}
4656 \newcommand{\xepersian@weather}[1]{%

```



```

4657 \noindent{\weatherFormat #1}%
4658 }
4659 \newcommand{\weatherTempFormat}{\small}
4660 \newcommand{\weatherUnits}{\textdegree{C}}
4661 \newcommand{\xepersian@section}[0]{ {
4662 \newcommand{\xepersian@headleft}{%
4663 {\small\bfseries \@custommagazinename} \date
4664 }
4665 \newcommand{\xepersian@headcenter}{%
4666 \xepersian@section{}
4667 }
4668 \newcommand{\xepersian@headright}{%
4669 \small\xepersian@edition%
4670 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4671 }
4672
4673 \newcommand{\heading}[3]{%
4674 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4675 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4676 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4677 }
4678 \newcommand{\xepersian@footright}{%
4679 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4680 }
4681 \newcommand{\xepersian@footcenter}{%
4682 }
4683 \newcommand{\xepersian@footleft}{%
4684 }
4685
4686 \newcommand{\foot}[3]{%
4687 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4688 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4689 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4690 }
4691 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4692 \newcommand{\xepersian@firstTitle}[1]{%
4693 {%
4694 \begin{spacing}{2.0}{%
4695 \noindent\ignorespaces
4696 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{
4697 {\nohyphens{\firstTitleFormat #1}}%
4698 {\firstTitleFormat #1}}%
4699 }%
4700 \end{spacing}%
4701 }%
4702 }
4703 \newcommand{\firstTextFormat}{%
4704 \newcommand{\xepersian@firstText}[1]{%
4705 {\noindent\ignorespaces\firstTextFormat #1}%
4706 }
4707 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4708 \newcommand{\xepersian@secondTitle}[1]{%
4709 \begin{spacing}{1.5}{%
4710 \noindent\ignorespaces\flushright

```



```

4711 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4712 {\nohyphens{\secondTitleFormat #1}}%
4713 {\secondTitleFormat #1}}%
4714 }\end{spacing}%
4715 }
4716 \newcommand{\secondSubtitleFormat}{\large}
4717 \newcommand{\xepersian@secondSubtitle}[1]{%
4718 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4719 }
4720 \newcommand{\secondTextFormat}{%
4721 \newcommand{\xepersian@secondText}[1]{%
4722 \begin{multicols}{2}
4723 {\noindent\ignorespaces\secondTextFormat #1}
4724 \end{multicols}
4725 }
4726 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4727 \newcommand{\xepersian@thirdTitle}[1]{%
4728 \begin{spacing}{1.5}{%
4729 \noindent\ignorespaces\flushright
4730 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4731 {\nohyphens{\thirdTitleFormat #1}}%
4732 {\thirdTitleFormat #1}}%
4733 }\end{spacing}%
4734 }
4735 \newcommand{\thirdSubtitleFormat}{\large}
4736 \newcommand{\xepersian@thirdSubtitle}[1]{%
4737 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4738 \newcommand{\thirdTextFormat}{%
4739 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4740 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4741 \newcommand{\xepersian@pictureCaption}[1]{%
4742 {\noindent\pictureCaptionFormat #1}%
4743 }
4744 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4745 \newcommand{\xepersian@pages}[1]{%
4746 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4747 \newcommand{\innerTitleFormat}{\Huge}
4748 \newcommand{\xepersian@innerTitle}[1]{%
4749 \begin{flushright}{%
4750 \noindent
4751 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4752 {\nohyphens{\innerTitleFormat #1}}%
4753 {\innerTitleFormat #1}}%
4754 }%
4755 \\%
4756 \end{flushright}%
4757 }
4758 \newcommand{\innerSubtitleFormat}{\large}
4759 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4760 \newcommand{\timestampTxt}{%
4761 \newcommand{\timestampSeparator}{|}
4762 \newcommand{\timestampFormat}{\small}
4763 \newcommand{\timestamp}[1]{%
4764 {\timestampFormat%

```



```

4765 #1~\timestampTxt{%
4766 }~\timestampSeparator{%
4767 }
4768 \newcommand{\innerAuthorFormat}{\footnotesize}
4769 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4770 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4771 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4772 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4773 \newcommand{\editorialAuthorFormat}{\textsc}
4774 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4775 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4776 \newcommand{\shortarticleSubtitleFormat}{\Large}
4777 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4778 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4779 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4780 \renewcommand{\maketitle}{\begin{titlepage}%
4781   \let\footnotesize\small
4782   \let\footnoterule\relax
4783   \let \footnote \thanks
4784   \null\vfil
4785   \vskip 60\p@
4786   \begin{center}%
4787     {\LARGE \@title \par}%
4788     \vskip 1em%
4789     {\LARGE «\xepersian@edition» \par}%
4790     \vskip 3em%
4791     {\large
4792       \lineskip .75em%
4793       \begin{tabular}[t]{c}%
4794         \@author
4795       \end{tabular}\par}%
4796       \vskip 1.5em%
4797       {\large \@date \par}%
4798   \end{center}\par
4799   \@thanks
4800   \vfil\null
4801   \end{titlepage}%
4802   \setcounter{footnote}{0}%
4803   \global\let\thanks\relax
4804   \global\let\maketitle\relax
4805   \global\let\@thanks\@empty
4806   \global\let\@author\@empty
4807   \global\let\@date\@empty
4808   \global\let\@title\@empty
4809   \global\let\title\relax
4810   \global\let\author\relax
4811   \global\let\date\relax
4812   \global\let\and\relax
4813 }
4814 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4815 \newsavebox{\xepersian@fmbox}
4816 \newenvironment{xepersian@fmpage}[1]
4817 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4818 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}

```



```

4819 \newcommand{\image}[2]{
4820 \vspace{5pt}
4821 \setlength{\fboxsep}{1pt}
4822 \addtolength{\xepersian@imgsize}{\columnwidth}
4823 \addtolength{\xepersian@imgsize}{-1\columnsep}
4824 \ifxetex
4825 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4826 \addtolength{\xepersian@pageneed}{50pt}
4827 \ClassWarning{xepersian-magazine}{%
4828 Image #1 needs: \the\xepersian@pageneed \space %
4829 and there is left: \the\page@free\space%
4830 }
4831 \ifdim \xepersian@pageneed < \page@free
4832
4833 {\centering\fbox{%
4834 \includegraphics[width = \xepersian@imgsize,
4835 height = \xepersian@imgsize,
4836 keepaspectratio ]{#1}}
4837 \xepersian@pictureCaption{#2}
4838
4839 \vspace{5pt}
4840 \else
4841 \ClassWarning{Image #1 needs more space!%
4842 It was not inserted!}
4843 \fi
4844 \fi
4845 }
4846 \textblockorigin{1cm}{1cm}
4847 \newdimen\xepersian@dx
4848 \newdimen\xepersian@dy
4849 \newcount\xepersian@cx
4850 \newcount\xepersian@cy
4851 \newcommand{\grid}[3][]{
4852 \xepersian@dx=\textwidth%
4853 \xepersian@dy=\textheight%
4854 \xepersian@cx=#3% %columns
4855 \xepersian@cy=#2% %rows
4856
4857 \count1=#3%
4858 \advance\count1 by 1
4859
4860 \count2=#2%
4861 \advance\count2 by 1
4862
4863 \divide\xepersian@dx by #3
4864 \divide\xepersian@dy by #2
4865
4866 \setlength{\TPHorizModule}{\xepersian@dx}
4867 \setlength{\TPVertModule}{\xepersian@dy}
4868
4869 \ifthenelse{\equal{#1}{show}}{
4870 \multido{\xepersian@nrow=0+1}{\count2}{
4871 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4872 \rule[0pt]{\textwidth}{.1pt}

```





```

4873 \end{textblock}
4874 }
4875
4876 \multido{\xepersian@ncol=0+1}{\count1}{
4877 \begin{textblock}{\xepersian@cy}{\xepersian@ncol,0}
4878 \rule[0pt]{.1pt}{\textheight}
4879 \end{textblock}
4880 }
4881 }{}
4882 }
4883 \newcommand{\xepersianInit}{
4884 \setlength{\headheight}{14pt}
4885 \renewcommand{\headrulewidth}{0.4pt}
4886
4887 \pagestyle{fancy}
4888
4889 \setlength{\columnseprule}{\columnlines}
4890 \setlength{\fboxrule}{0.1 pt}
4891
4892 }
4893
4894 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4895 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4896 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4897 \newcommand{\logo}[0]{
4898 %% Heading %%
4899 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4900
4901 \vspace*{-3pt}
4902
4903 {\Large\bfseries \@customlogo}
4904 \hrulefill
4905 \hspace{10pt}\xepersian@headDateTime
4906
4907 }
4908 \newcommand{\minilogo}[0]{
4909 {\large\bfseries \@customminilogo}
4910
4911 \vspace*{5pt}
4912 }
4913 \newcommand{\mylogo}[1]{
4914 {\beginR#1\endR}
4915
4916 \noindent
4917 \xepersian@editionLogo\hspace{5pt}
4918 \hrulefill
4919 \hspace{5pt}\xepersian@headDateTime
4920 }
4921 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4922 \newenvironment{frontpage}[0]
4923 {
4924 \setboolean{xepersian@insidefrontpage}{true}
4925 \thispagestyle{empty}
4926 \logo

```



```

4927
4928 }%
4929 {
4930 \thispagestyle{empty}
4931 \clearpage
4932 \newpage
4933 \fancyhead{}
4934 \fancyfoot{}
4935 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4936 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4937 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4938 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4939 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4940 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4941 \renewcommand{\headrulewidth}{0.4pt}
4942 \setboolean{xepersian@insidefrontpage}{false}
4943
4944 }
4945 \newcommand{\firstarticle}[3]
4946 {
4947 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4948 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4949 \begin{textblock}{24}(22,5)
4950 }
4951 {
4952 \begin{textblock}{28}(22,5)
4953 }
4954 \vspace{-7pt}
4955 \xepersian@firstTitle{#1}
4956 \end{textblock}
4957 \begin{textblock}{29}(22,10)
4958 \vspace{5pt plus 2pt minus 2pt}
4959
4960 \xepersian@firstText{\timestamp{#3}~#2}
4961
4962 \end{textblock}
4963
4964 \begin{textblock}{50}(0,15)
4965 \rule{50\TPHorizModule}{.3pt}
4966 \end{textblock}
4967 }{%else
4968 \ClassError{xepersian-magazine}{%
4969 \protect\firstarticle\space in a wrong place.\MessageBreak
4970 \protect\firstarticle\space may only appear inside frontpage environment.
4971 }{%
4972 \protect\firstarticle\space may only appear inside frontpage environment.
4973 }%
4974 }
4975 }
4976 \newcommand{\secondarticle}[5]
4977 {
4978 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4979 \begin{textblock}{33}(2,16)
4980 \xepersian@pages{#4}

```



```

4981 \vspace{-5pt}
4982 \xepersian@secondTitle{#1}
4983
4984 \vspace*{5pt}
4985
4986 \xepersian@secondSubtitle{#2}
4987
4988 \vspace*{-7pt}
4989
4990 \xepersian@secondText{\timestamp{#5}~#3}
4991
4992 \end{textblock}
4993
4994 \begin{textblock}{33}(2,25)
4995 \vspace{5pt plus 2pt minus 2pt}
4996
4997 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4998 \end{textblock}
4999 {%else
5000 \ClassError{xepersian-magazine}{%
5001 \protect\secondarticle\space in a wrong place.\MessageBreak
5002 \protect\secondarticle\space may only appear inside frontpage environment.
5003 }{%
5004 \protect\secondarticle\space may only appear inside frontpage environment.
5005 }%
5006 }
5007 }
5008 \newcommand{\thirdarticle}[6]
5009 {
5010 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5011 \begin{textblock}{32}(2,26)
5012 \xepersian@pages{#5}
5013 \vspace{-5pt}
5014 \setlength{\fboxsep}{1pt}
5015 \xepersian@thirdTitle{#1}
5016
5017 \vspace*{5pt}
5018
5019 \xepersian@thirdSubtitle{#2}
5020
5021 \vspace*{5pt}
5022
5023 {\noindent\ignorespaces %
5024 \ifthenelse{\equal{#4}{}}{}}
5025
5026 \xepersian@thirdText{\timestamp{#6}~#3}
5027
5028 }
5029
5030 \vspace*{5pt}
5031
5032 \end{textblock}
5033 {%else
5034 \ClassError{xepersian-magazine}{%

```



```

5035 \protect\thirdarticle\space in a wrong place.\MessageBreak
5036 \protect\thirdarticle\space may only appear inside frontpage environment.
5037 }{%
5038 \protect\thirdarticle\space may only appear inside frontpage environment.
5039 }%
5040 }
5041 }
5042 \newcommand{\firstimage}[2]
5043 {
5044 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5045 \begin{textblock}{18}(2,5)
5046 \setlength{\fboxsep}{1pt}
5047 \ifxetex % only in PDF
5048 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
5049 \fi
5050
5051 \xepersian@pictureCaption{#2}
5052 \end{textblock}}%
5053 }
5054 {\ClassError{xepersian-magazine}}{%
5055 \protect\firstimage\space in a wrong place.\MessageBreak
5056 \protect\firstimage\space may only appear inside frontpage environment.
5057 }{%
5058 \protect\firstimage\space may only appear inside frontpage environment.
5059 }}
5060 }%
5061 \newcommand{\weatheritem}[5]{%
5062 \ifthenelse{\boolean{xepersian@insideweather}}{
5063 \begin{minipage}{45pt}
5064 \ifxetex
5065 \includegraphics[width=40pt]{#1}
5066 \fi
5067 \end{minipage}
5068 \begin{minipage}{50pt}
5069 \weatherTempFormat
5070 #2\\
5071 \begin{L#3 $| $ #4 \lr{\weatherUnits{}}\end{L\\
5072 #5
5073 \end{minipage}
5074 }{%else
5075 \ClassError{xepersian-magazine}}{%
5076 \protect\weatheritem\space in a wrong place.\MessageBreak
5077 \protect\weatheritem\space may only appear inside weatherblock environment.
5078 }{%
5079 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
5080 weatherblock environment may only appear inside frontpage environment.
5081 }%
5082 }
5083 }
5084 \newenvironment{weatherblock}[1]
5085 {
5086 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5087 \setboolean{xepersian@insideweather}{true}
5088 \begin{textblock}{32}(2,38)

```



```

5089 \vspace*{-15pt}
5090
5091 \xepersian@weather{\beginR#1\endR}
5092
5093 \vspace*{5pt}
5094
5095 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5096 \begin{minipage}{32\TPHorizModule}
5097 \hspace{5pt}
5098
5099 }{%
5100 \ClassError{xepersian-magazine}{%
5101 weatherblock in a wrong place.\MessageBreak
5102 weatherblock may only appear inside frontpage environment.
5103 }{%
5104 weatherblock may only appear inside frontpage environment.
5105 }
5106 }
5107 }%
5108 {
5109 \end{minipage}
5110 \end{xepersian@fmpage}
5111 \end{textblock}
5112 \setboolean{xepersian@insideweather}{false}
5113 }
5114 \newenvironment{authorblock}[0]
5115 {
5116 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5117 \begin{textblock}{15}(36,35)
5118 \setlength{\fboxsep}{5pt}
5119 \begin{xepersian@fmpage}{13\TPHorizModule}
5120 \begin{minipage}{13\TPHorizModule}
5121 \centering
5122 \minilogo
5123
5124 }{%else
5125 \ClassError{xepersian-magazine}{%
5126 authorblock in a wrong place.\MessageBreak
5127 authorblock may only appear inside frontpage environment.
5128 }{%
5129 authorblock may only appear inside frontpage environment.
5130 }
5131 }
5132 }
5133 {
5134 \end{minipage}
5135 \end{xepersian@fmpage}
5136 \end{textblock}
5137 }
5138 \newenvironment{indexblock}[1]
5139 {
5140 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5141 \setboolean{xepersian@insideindex}{true}%let's in
5142 \begin{textblock}{15}(36,16)

```



```

5143 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5144 \xepersian@indexFrameTitle{#1}
5145
5146 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5147 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5148 \begin{minipage}{\xepersian@indexwidth}
5149 \vspace*{10pt}
5150 }{%else
5151 \ClassError{xepersian-magazine}{%
5152 indexblock in a wrong place.\MessageBreak
5153 indexblock may only appear inside frontpage environment.
5154 }{%
5155 indexblock may only appear inside frontpage environment.
5156 }
5157 }
5158 }%
5159 {
5160 \end{minipage}
5161 \end{xepersian@fmpage}
5162 \end{textblock}
5163 \setboolean{xepersian@insideindex}{false}%let's out
5164 }
5165 \newcommand{\indexitem}[2]
5166 {
5167 \ifthenelse{\boolean{xepersian@insideindex}}{
5168 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5169
5170 \vspace{0.5cm}
5171
5172 \noindent\ignorespaces\indexEntrySeparator{}
5173 }{%else
5174 \ClassError{xepersian-magazine}{%
5175 \protect\indexitem\space in a wrong place.\MessageBreak
5176 \protect\indexitem\space may only appear inside indexblock environment.
5177 }{%
5178 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5179 indexblock environment may only appear inside frontpage environment.
5180 }%
5181 }
5182 }
5183 \newcommand{\xepersian@inexpandedtitle}[1]{
5184 \begin{minipage}{.95\textwidth}
5185 \begin{center}
5186 \noindent\Large\textbf{\beginR{#1}\endR}
5187 \end{center}
5188 \end{minipage}
5189 }
5190 \newcommand{\expandedtitle}[2]{
5191 \end{multicols}
5192
5193 \begin{center}
5194 \setlength{\fboxsep}{5pt}
5195 \setlength{\shadowsize}{2pt}
5196 \ifthenelse{\equal{#1}{shadowbox}}{%

```



```

5197 \shadowbox{%
5198 \xepersian@inexpandedtitle{#2}%
5199 }%
5200 }{}
5201 \ifthenelse{\equal{#1}{doublebox}}{%
5202 \doublebox{%
5203 \xepersian@inexpandedtitle{#2}%
5204 }%
5205 }{}
5206 \ifthenelse{\equal{#1}{ovalbox}}{%
5207 \ovalbox{%
5208 \xepersian@inexpandedtitle{#2}%
5209 }%
5210 }{}
5211 \ifthenelse{\equal{#1}{Ovalbox}}{%
5212 \Ovalbox{%
5213 \xepersian@inexpandedtitle{#2}%
5214 }%
5215 }{}
5216 \ifthenelse{\equal{#1}{lines}}{
5217 \hrule
5218 \vspace*{8pt}
5219 \begin{center}
5220 \noindent\Large\textbf{#2}
5221 \end{center}
5222 \vspace*{8pt}
5223 \hrule
5224 }{}
5225 \end{center}
5226
5227 \begin{multicols}{\xepersian@ncolumns}}
5228 \ifnum \xepersian@ncolumns > \minraggedcols
5229 \raggedFormat
5230 \fi
5231 }
5232 \newcommand{\xepersian@incolumntitle}[2]{
5233 \begin{minipage}{#1}
5234 \begin{center}
5235 \noindent\normalsize\textbf{#2}
5236 \end{center}
5237 \end{minipage}
5238 }
5239
5240 \newcommand{\columnntitle}[2]{
5241 \vspace*{5pt}
5242 \begin{center}
5243 \setlength{\fboxsep}{5pt}
5244 \setlength{\shadowsize}{2pt}
5245 \addtolength{\xepersian@coltitsize}{\columnwidth}
5246 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5247 \addtolength{\xepersian@coltitsize}{-5pt}
5248 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5249 \ifthenelse{\equal{#1}{shadowbox}}{%
5250 \shadowbox{%

```



```

5251 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5252 }%
5253 {}
5254 \ifthenelse{\equal{#1}{doublebox}}{%
5255 \doublebox{%
5256 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5257 }%
5258 {}
5259 \ifthenelse{\equal{#1}{ovalbox}}{%
5260 \ovalbox{%
5261 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5262 }%
5263 {}
5264 \ifthenelse{\equal{#1}{Ovalbox}}{%
5265 \Ovalbox{%
5266 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5267 }%
5268 {}
5269 \ifthenelse{\equal{#1}{lines}}{
5270 \hrule
5271 \vspace*{5pt}
5272 \begin{center}
5273 \noindent\normalsize\textbf{#2}
5274 \end{center}
5275 \vspace*{5pt}
5276 \hrule
5277 }{
5278 \end{center}
5279 }
5280 \renewcommand{\date}{%
5281 \longdate{\today}%
5282 }
5283 \newcommand{\authorandplace}[2]{%
5284 \rightline{%
5285 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5286 }%
5287 \par %
5288 }
5289 \newcommand{\newsection}[1]{
5290 \renewcommand{\xepersian@section}{#1}
5291 }
5292 \newenvironment{article}[5]
5293 {
5294 \xepersian@say{Adding a new piece of article}
5295 \renewcommand{\xepersian@ncolumns}{#1}
5296 \begin{multicols}{#1}[
5297 \xepersian@pages{#4}
5298 \xepersian@innerTitle{#2}%
5299 \xepersian@innerSubtitle{#3}%
5300 ] [4cm]%
5301 \label{#5}
5302 \ifnum #1 > \minraggedcols
5303 \raggedFormat
5304 \fi

```





```

5305 }
5306 {-\innerTextFinalMark{
5307 \end{multicols}
5308 }
5309 \newcommand{\articlesep}{%
5310 \setlength{\xepersian@pageneed}{16000pt}
5311 \setlength\xepersian@pageleft{\pagegoal}
5312 \addtolength\xepersian@pageleft{-\pagetotal}
5313
5314 \xepersian@say{How much left \the\xepersian@pageleft}
5315
5316 \ifdim \xepersian@pageneed < \xepersian@pageleft
5317 \xepersian@say{Not enough space}
5318 \else
5319 \xepersian@say{Adding sep line between articles}
5320 \vspace*{10pt plus 10pt minus 5pt}
5321 \hrule
5322 \vspace*{10pt plus 5pt minus 5pt}
5323 \fi
5324
5325 }
5326 \newcommand{\xepersian@editorialTit}[2]{
5327 \setlength{\arrayrulewidth}{.1pt}
5328 \begin{center}
5329 \begin{tabular}{c}
5330 \noindent
5331 \xepersian@editorialTitle{#1}
5332 \vspace{2pt plus 1pt minus 1pt}
5333 \\
5334 \hline
5335 \vspace{2pt plus 1pt minus 1pt}
5336 \\
5337 \editorialAuthorFormat{#2}
5338 \end{tabular}
5339 \end{center}
5340 }
5341 \newenvironment{editorial}[4]
5342 {
5343 \xepersian@say{Adding a new editorial}
5344 \begin{multicols}{#1}[%
5345 \xepersian@editorialTit{#2}{#3}%
5346 ] [4cm]
5347 \label{#4}
5348 \ifnum #1 > \minraggedcols
5349 \raggedFormat
5350 \fi
5351 }
5352 {
5353 \end{multicols}
5354 }
5355 \newcommand{\xepersian@shortarticleTit}[2]{
5356 \begin{center}
5357 \vbox{%
5358 \noindent

```



```

5359 \xepersian@shortarticleTitle{#1}
5360 \vspace{4pt plus 2pt minus 2pt}
5361 \hrule
5362 \vspace{4pt plus 2pt minus 2pt}
5363 \xepersian@shortarticleSubtitle{#2}
5364 }
5365 \end{center}
5366 }
5367 \newenvironment{shortarticle}[4]
5368 {
5369 \xepersian@say{Adding a short article block}
5370 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5371 \label{#4}
5372 \par %
5373 \ifnum #1 > \minraggedcols
5374 \raggedFormat
5375 \fi
5376 }
5377 {
5378 \end{multicols}
5379 }
5380 \newcommand{\shortarticleitem}[2]{
5381 \goodbreak
5382 \vspace{5pt plus 3pt minus 3pt}
5383 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5384 \vspace{5pt plus 3pt minus 3pt}
5385 {\noindent #2}\\
5386 }

```

## 61 File xepersian-mathdigitsspec.sty

```

5387 \NeedsTeXFormat{LaTeX2e}
5388 \ProvidesPackage{xepersian-mathdigitsspec}
5389 [2022/02/04 v1.1.9 Unicode Persian math digits in XeLaTeX]
5390 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5391 \let\newfam\new@mathgroup
5392 \def\select@group#1#2#3#4{%
5393 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5394 {%
5395 \ifmmode
5396 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5397 \begingroup
5398 \escapechar\m@ne
5399 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5400 \globaldefs\@ne \math@fonts
5401 \endgroup
5402 \init@restore@version
5403 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5404 {\number\csname c@mv@\math@version\endcsname}}%
5405 \global\advance\csname c@mv@\math@version\endcsname\@ne
5406 \else
5407 \let#1\relax
5408 \@latex@error{Too many math alphabets used in
5409 version \math@version}%

```



```

5410      \@eha
5411    \fi
5412  \else \expandafter\non@alpherr\fi
5413  #1{#4}%
5414  }%
5415 }
5416 \def\document@select@group#1#2#3#4{%
5417   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5418   {%
5419     \ifmmode
5420       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5421         \begingroup
5422         \escapechar\m@ne
5423         \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5424         \globaldefs\@ne \math@fonts
5425       \endgroup
5426       \expandafter\extract@alph@from@version
5427         \csname mv@\math@version\expandafter\endcsname
5428         \expandafter{\number\csname
5429           c@mv@\math@version\endcsname}%
5430       #1%
5431       \global\advance\csname c@mv@\math@version\endcsname\@ne
5432     \else
5433       \let#1\relax
5434       \@latex@error{Too many math alphabets used
5435         in version \math@version}%
5436     \@eha
5437   \fi
5438   \else \expandafter\non@alpherr\fi
5439   #1{#4}%
5440   }%
5441 }
5442 \ExplSyntaxOn
5443 \bool_set_false:N \g__fontspec_math_bool
5444 \tl_map_inline:nn
5445 {
5446   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5447   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5448   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5449   \version@list\version@elt\alpha@list\alpha@elt
5450   \restore@mathversion\init@restore@version\dorestore@version\process@table
5451   \new@mathversion\DeclareSymbolFont\group@list\group@elt
5452   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5453   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5454   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5455   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5456   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5457   \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
5458   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5459 }
5460 {
5461   \tl_remove_once:Nn \@preamblecmds {\do#1}
5462 }
5463 \ExplSyntaxOff

```



```

5464 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
5465 \newcommand\SetMathCode[4]{%
5466   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5467 \newcommand\SetMathCharDef[4]{%
5468   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5469 \ExplSyntaxOn
5470 \cs_new_eq:NN \orig_mathbf:n \mathbf
5471 \cs_new_eq:NN \orig_mathit:n \mathit
5472 \cs_new_eq:NN \orig_mathrm:n \mathrm
5473 \cs_new_eq:NN \orig_mathsf:n \mathsf
5474 \cs_new_eq:NN \orig_mathtt:n \mathtt
5475 %\int_const:Nn \c_one_int { 1 }
5476 \NewDocumentCommand \new@mathbf { m } {
5477   \orig_mathbf:n {
5478     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5479       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5480     }
5481     #1
5482   }
5483 }
5484 \NewDocumentCommand \new@mathit { m } {
5485   \orig_mathit:n {
5486     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5487       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5488     }
5489     #1
5490   }
5491 }
5492 \NewDocumentCommand \new@mathrm { m } {
5493   \orig_mathrm:n {
5494     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5495       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5496     }
5497     #1
5498   }
5499 }
5500 \NewDocumentCommand \new@mathsf { m } {
5501   \orig_mathsf:n {
5502     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5503       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5504     }
5505     #1
5506   }
5507 }
5508 \NewDocumentCommand \new@mathtt { m } {
5509   \orig_mathtt:n {
5510     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5511       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5512     }
5513     #1
5514   }
5515 }
5516
5517 \cs_new:Npn \__xepersian_mathdigitspec_error:nxx { \msg_error:nxxx {xepersian-mathdigit

```



```

5518 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5519 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5520 \char_set_catcode_space:n {32}
5521 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5522 {
5523   The font "#1" does not contain U+#2.
5524 }
5525 {
5526   Select another font and rerun xelatex.
5527 }
5528 \char_set_catcode_ignore:n {32}
5529
5530 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5531 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5532 {
5533   \tex_iffontchar:D \l_fontspec_font "#1" \scan_stop:
5534   \prg_return_true:
5535   \else:
5536   \prg_return_false:
5537   \fi:
5538 }
5539
5540 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5541
5542 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5543 {
5544   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5545   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5546     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5547   }
5548 }
5549
5550 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5551 {
5552   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5553   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5554     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5555   }
5556 }
5557
5558 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5559 {
5560   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5561   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5562     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5563   }
5564 }
5565
5566 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5567 {
5568   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5569     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5570     06F9 , 066A , 066B
5571   } { #1 }

```



```

5572 }
5573
5574 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5575 {
5576   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5577 }
5578 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5579 {
5580   \let\glb@currsize\relax
5581   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Ligatures=PersianTeX,#1} {#2}
5582   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5583   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5584   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5585   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5586   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5587   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5588   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5589   \def\persianmathdigits{%
5590     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5591     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5592     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5593     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5594     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5595     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5596     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5597     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5598     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5599     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5600     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5601     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
5602     \tl_set_eq:NN \mathbf \new@mathbf
5603     \tl_set_eq:NN \mathit \new@mathit
5604     \tl_set_eq:NN \mathrm \new@mathrm}
5605   }
5606
5607 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5608
5609 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5610 {
5611   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5612 }
5613 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5614 {
5615   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5616   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5617   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
5618   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5619   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5620 }
5621
5622 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5623
5624 \DeclareDocumentCommand \setmathtttdigitfont { 0{} m 0{} }
5625 {

```



```

5626 \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5627 }
5628 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5629 {
5630 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5631 \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5632 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdigitfamily_tl}{\g__xepersian_mathttdigitfamily_tl}{\g__xepersian_mathttdigitfamily_tl}
5633 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5634 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5635 }
5636
5637 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5638
5639 \ExplSyntaxOff
5640 \ifx\newcommand\undefined\else
5641 \newcommand{\ZifferAn}{}
5642 \fi
5643 \mathchardef\ziffer@DotOri="013A
5644 {\ZifferAn
5645 \catcode\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
5646 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
5647 \def\ziffer@check#1#2{%
5648 \ifx\n1\endgroup#1\else
5649 \ifx\n2\endgroup#1\else
5650 \ifx\n3\endgroup#1\else
5651 \ifx\n4\endgroup#1\else
5652 \ifx\n5\endgroup#1\else
5653 \ifx\n6\endgroup#1\else
5654 \ifx\n7\endgroup#1\else
5655 \ifx\n8\endgroup#1\else
5656 \ifx\n9\endgroup#1\else
5657 \ifx\n0\endgroup#1\else
5658 \ifx\n\overline\endgroup#1\else
5659 \endgroup#2%
5660 \fi
5661 \fi
5662 \fi
5663 \fi
5664 \fi
5665 \fi
5666 \fi
5667 \fi
5668 \fi
5669 \fi
5670 \fi}
5671 \mathcode\.= "8000\relax
5672 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
5673 \def\DefaultZifferLeer{.}
5674 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5675 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5676 \def\DefaultMathDigits{%
5677 \DefaultInlineMathDigits%
5678 \DefaultDisplayMathDigits%
5679 }

```



```

5680 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5681 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5682 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5683 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5684 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5685 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5686 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5687 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5688 \def\PersianMathDigits{%
5689   \PersianInlineMathDigits%
5690   \PersianDisplayMathDigits%
5691 }
5692 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5693 \ifx\persianmathdigits\undefined\else@if@nonlatin\persianmathdigits\fi\fi%
5694 \ifx\persianmathsfdigits\undefined\else@if@nonlatin\persianmathsfdigits\fi\fi%
5695 \ifx\persianmaththtdigits\undefined\else@if@nonlatin\persianmaththtdigits\fi\fi}}
5696 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5697 \ifx\persianmathdigits\undefined\else@if@nonlatin\persianmathdigits\fi\fi%
5698 \ifx\persianmathsfdigits\undefined\else@if@nonlatin\persianmathsfdigits\fi\fi%
5699 \ifx\persianmaththtdigits\undefined\else@if@nonlatin\persianmaththtdigits\fi\fi}}
5700 \def\AutoMathDigits{%
5701   \AutoInlineMathDigits%
5702   \AutoDisplayMathDigits%
5703 }
5704 \AutoMathDigits
5705 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5706   \let\SetDisplayMathDigits\relax%
5707 }
5708 \everydisplay\expandafter{%
5709   \the\everydisplay\SetDisplayMathDigits%
5710   \let\SetInlineMathDigits\relax%
5711 }
5712
5713 \ExplSyntaxOn
5714 \cs_new_eq:NN \orig_ZifferLeer \ZifferLeer
5715
5716 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5717   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5718     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5719   }
5720   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5721   \tl_set_eq:NN \ZifferLeer \DefaultZifferLeer
5722   \tl_set_eq:NN \mathbf \orig_mathbf:n
5723   \tl_set_eq:NN \mathit \orig_mathit:n
5724   \tl_set_eq:NN \mathrm \orig_mathrm:n
5725   \tl_set_eq:NN \mathsf \orig_mathsf:n
5726   \tl_set_eq:NN \mathtt \orig_mathtt:n
5727 }
5728
5729 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5730   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5731     \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5732   }
5733   \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

```





```

5734 \tl_set_eq:NN \ZifferLeer \orig_ZifferLeer
5735 \tl_set_eq:NN \mathbf \new@mathbf
5736 \tl_set_eq:NN \mathit \new@mathit
5737 \tl_set_eq:NN \mathrm \new@mathrm
5738 \tl_set_eq:NN \mathsf \new@mathsf
5739 \tl_set_eq:NN \mathtt \new@mathtt
5740 }
5741 \ExplSyntaxOff

```

## 62 File xepersian-multiplechoice.sty

```

5742 \NeedsTeXFormat{LaTeX2e}
5743 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5744           Multiple Choice Questionnaire class for Persian in XeLaTeX]
5745 \RequirePackage{pifont}
5746 \RequirePackage{fullpage}
5747 \RequirePackage{ifthen}
5748 \RequirePackage{calc}
5749 \RequirePackage{verbatim}
5750 \RequirePackage{tabularx}
5751 \def\@headerfont{\bfseries}
5752 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5753 \def\@X{X}
5754 \newcommand\X[1]{\gdef\@X{#1}}
5755 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5756 \newcolumnntype{D}{>{\pbs\centering}X}
5757 \newcolumnntype{Q}{>{\@headerfont}X}
5758
5759 \renewcommand\tabularxcolumn[1]{m{#1}}
5760 \newcommand\makeform@nocorrection{%
5761   \addtocontents{frm}{\protect\end{tabularx}}
5762   \@starttoc{frm}}
5763 \newcommand\makeform@correction{%
5764   \addtocontents{frm}{\protect\end{tabularx}}}
5765 \newcommand\makemask@nocorrection{%
5766   \addtocontents{msk}{\protect\end{tabularx}}
5767   \@starttoc{msk}}
5768 \newcommand\makemask@correction{%
5769   \addtocontents{msk}{\protect\end{tabularx}}}
5770 \newlength\questionspace
5771 \setlength\questionspace{0pt}
5772 \newcommand\answerstitle[1]{\gdef\answerstitle{#1}}
5773 \def\@answerstitlefont{\bfseries}
5774 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5775 \def\@answernumberfont{\bfseries}
5776 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5777 \newcounter{question}\stepcounter{question}
5778 \newcounter{choice}
5779 \def\@initorcheck{%
5780   \xdef\@choices{\the@choice}%
5781   \setcounter{choice}{1}%
5782   \gdef\@arraydesc{|Q||}%
5783   \gdef\@headerline{}}
5784 \whiledo{\not{\value{choice}>\@choices}}{

```



```

5785 \xdef\@arraydesc{\@arraydesc D|}
5786 \def\@appendheader{\g@addto@macro\@headerline}
5787 \@appendheader{&\protect\@headerfont}
5788 \edef\@the@choice{\@alph{\@choice}}
5789 \expandafter\@appendheader\@the@choice
5790 \stepcounter{\@choice}%
5791 \addtocontents{frm}{%
5792 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5793 \protect\hline
5794 \@headerline\protect\\\protect\hline\protect\hline}%
5795 \addtocontents{msk}{%
5796 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5797 \protect\hline
5798 \@headerline\protect\\\protect\hline\protect\hline}%
5799 \gdef\@initcheck{%
5800 \ifthenelse{\value{\@choice} = \@choices}{\%
5801 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5802 (\@the@choice\space instead of \@choices)}{\%
5803 Questions must all have the same number of proposed answers.%
5804 \MessageBreak
5805 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5806 \newenvironment{question}[1]{%
5807 %% \begin{question}
5808 \begin{minipage}{\textwidth}
5809 \xdef\@formanswerline{\@questionheader}%
5810 \xdef\@maskanswerline{\@questionheader}%
5811 \fbox{\parbox[c]{\linewidth}{#1}}
5812 \vspace\questionspace\par
5813 {\@answerstitlefont\@answerstitle}
5814 \begin{list}{\@answernumberfont\alph{\@choice}}~{\usecounter{\@choice}}{\%
5815 %% \end{question}
5816 \end{list}
5817 \@initcheck%
5818 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
5819 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
5820 \end{minipage}
5821 \stepcounter{question}}
5822 \def\@truesymbol{\ding{52}~}
5823 \def\@falsesymbol{\ding{56}~}
5824 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5825 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5826 \def\@true@nocorrection{\item}
5827 \def\@false@nocorrection{\item}
5828 \def\@true@correction{\item[\@truesymbol\refstepcounter{\@choice}]}
5829 \def\@false@correction{\item[\@falsesymbol\refstepcounter{\@choice}]}
5830 \newcommand\true{%
5831 \xdef\@formanswerline{\@formanswerline&}%
5832 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5833 \@true}%
5834 \newcommand>false{%
5835 \xdef\@formanswerline{\@formanswerline&}%
5836 \xdef\@maskanswerline{\@maskanswerline&}%
5837 \@false}%
5838 \def\@correctionstyle{\itshape}

```



```

5839 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5840 \newenvironment{@correction}{\@correctionstyle}{\@correctionstyle}{}
5841 \def\@questionheader{\thequestion}
5842 \answerstyle{\thequestion}
5843 \DeclareOption{nocorrection}{\%
5844 \let\@true\@true@nocorrection
5845 \let\@false\@false@nocorrection
5846 \let\correction\comment
5847 \let\endcorrection\endcomment
5848 \def\makeform{\makeform@nocorrection}
5849 \def\makemask{\makemask@nocorrection}}
5850 \DeclareOption{correction}{\%
5851 \let\@true\@true@correction
5852 \let\@false\@false@correction
5853 \let\correction\@correction
5854 \let\endcorrection\end@correction
5855 \def\makeform{\makeform@correction}
5856 \def\makemask{\makemask@correction}}
5857 \ExecuteOptions{nocorrection}
5858 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5859 \def\@questiontitlefont{\bfseries}
5860 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5861 \newlength\questiontitlespace
5862 \setlength\questiontitlespace{5pt}
5863 \newlength\questionsepspace
5864 \setlength\questionsepspace{20pt}
5865 \gdef\@questionsepspace{0pt}
5866 \let\old@question\question
5867 \let\old@endquestion\endquestion
5868 \renewenvironment{question}[1]{\%
5869 %% \begin{question}
5870 \vspace\@questionsepspace
5871 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5872 \nopagebreak\vspace\questiontitlespace\par
5873 \old@question{#1}}{\%
5874 %% \end{question}
5875 \old@endquestion
5876 \gdef\@questionsepspace{\questionsepspace}}
5877 \questiontitle{\thequestion:}
5878 \ProcessOptions

```

## 63 File xepersian-persiancal.sty

```

5879 \NeedsTeXFormat{LaTeX2e}
5880 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5881
5882 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5883 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5884 \newcount\XePersian@latini \newcount\XePersian@persiani
5885 \newcount\XePersian@latinii \newcount\XePersian@persianii
5886 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5887 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5888 \newcount\XePersian@latinv \newcount\XePersian@persianv
5889 \newcount\XePersian@latinvi \newcount\XePersian@persianvi

```



```

5890 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5891 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5892 \newcount\XePersian@latinix \newcount\XePersian@persianix
5893 \newcount\XePersian@latinx \newcount\XePersian@persianx
5894 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5895 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5896 \newcount\XePersian@persianxiii
5897
5898 \newcount\XePersian@temp
5899 \newcount\XePersian@temptwo
5900 \newcount\XePersian@tempthree
5901 \newcount\XePersian@yModHundred
5902 \newcount\XePersian@thirtytwo
5903 \newcount\XePersian@dn
5904 \newcount\XePersian@sn
5905 \newcount\XePersian@mminusone
5906
5907
5908 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5909 \XePersian@temp=\XePersian@y
5910 \divide\XePersian@temp by 100\relax
5911 \multiply\XePersian@temp by 100\relax
5912 \XePersian@yModHundred=\XePersian@y
5913 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5914 \ifodd\XePersian@yModHundred
5915 \XePersian@leapfalse
5916 \else
5917 \XePersian@temp=\XePersian@yModHundred
5918 \divide\XePersian@temp by 2\relax
5919 \ifodd\XePersian@temp\XePersian@leapfalse
5920 \else
5921 \ifnum\XePersian@yModHundred=0%
5922 \XePersian@temp=\XePersian@y
5923 \divide\XePersian@temp by 400\relax
5924 \multiply\XePersian@temp by 400\relax
5925 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5926 \else\XePersian@leaptrue
5927 \fi
5928 \fi
5929 \fi
5930 \XePersian@latini=31\relax
5931 \ifXePersian@leap
5932 \XePersian@latinii = 29\relax
5933 \else
5934 \XePersian@latinii = 28\relax
5935 \fi
5936 \XePersian@latiniii = 31\relax
5937 \XePersian@latiniv = 30\relax
5938 \XePersian@latinv = 31\relax
5939 \XePersian@latinvi = 30\relax
5940 \XePersian@latinvii = 31\relax
5941 \XePersian@latinviii = 31\relax
5942 \XePersian@latinix = 30\relax
5943 \XePersian@latinx = 31\relax

```



```

5944 \XePersian@latinxi = 30\relax
5945 \XePersian@latinxii = 31\relax
5946 \XePersian@thirtytwo=32\relax
5947 \XePersian@temp=\XePersian@y
5948 \advance\XePersian@temp by -17\relax
5949 \XePersian@temptwo=\XePersian@temp
5950 \divide\XePersian@temptwo by 33\relax
5951 \multiply\XePersian@temptwo by 33\relax
5952 \advance\XePersian@temp by -\XePersian@temptwo
5953 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5954 \else
5955   \XePersian@temptwo=\XePersian@temp
5956   \divide\XePersian@temptwo by 4\relax
5957   \multiply\XePersian@temptwo by 4\relax
5958   \advance\XePersian@temp by -\XePersian@temptwo
5959   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5960 \fi
5961 \XePersian@tempthree=\XePersian@y % Number of Leap years
5962 \advance\XePersian@tempthree by -1
5963 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5964 \divide\XePersian@temp by 4\relax
5965 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5966 \divide\XePersian@temptwo by 100\relax
5967 \advance\XePersian@temp by -\XePersian@temptwo
5968 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5969 \divide\XePersian@temptwo by 400\relax
5970 \advance\XePersian@temp by \XePersian@temptwo
5971 \advance\XePersian@tempthree by -611 % Number of Kabise years
5972 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5973 \divide\XePersian@temptwo by 33\relax
5974 \multiply\XePersian@temptwo by 8\relax
5975 \advance\XePersian@temp by -\XePersian@temptwo
5976 \XePersian@temptwo=\XePersian@tempthree %
5977 \divide\XePersian@temptwo by 33\relax
5978 \multiply\XePersian@temptwo by 33\relax
5979 \advance\XePersian@tempthree by -\XePersian@temptwo
5980 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5981 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5982 \advance\XePersian@temp by -\XePersian@tempthree
5983 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5984 \XePersian@persiani=31
5985 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5986 \XePersian@persianii = 30\relax
5987 \ifXePersian@kabiseh
5988   \XePersian@persianiii = 30\relax
5989 \else
5990   \XePersian@persianiii = 29\relax
5991 \fi
5992 \XePersian@persianiv = 31\relax
5993 \XePersian@persianv = 31\relax
5994 \XePersian@persianvi = 31\relax
5995 \XePersian@persianvii = 31\relax
5996 \XePersian@persianviii= 31\relax
5997 \XePersian@persianix = 31\relax

```



```

5998 \XePersian@persianx = 30\relax
5999 \XePersian@persianxi = 30\relax
6000 \XePersian@persianxii = 30\relax
6001 \XePersian@persianxiii= 30\relax
6002 \XePersian@dn= 0\relax
6003 \XePersian@sn= 0\relax
6004 \XePersian@mminusone=\XePersian@m
6005 \advance\XePersian@mminusone by -1\relax
6006 \XePersian@i=0\relax
6007 \ifnum\XePersian@i < \XePersian@mminusone
6008 \loop
6009 \advance \XePersian@i by 1\relax
6010 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
6011 \ifnum\XePersian@i<\XePersian@mminusone \repeat
6012 \fi
6013 \advance \XePersian@dn by \XePersian@d
6014 \XePersian@i=1\relax
6015 \XePersian@sn = \XePersian@persiani
6016 \ifnum \XePersian@sn<\XePersian@dn
6017 \loop
6018 \advance \XePersian@i by 1\relax
6019 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6020 \ifnum \XePersian@sn<\XePersian@dn \repeat
6021 \fi
6022 \ifnum \XePersian@i < 4
6023 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
6024 \advance \XePersian@y by -622\relax
6025 \else
6026 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6027 \advance \XePersian@y by -621\relax
6028 \fi
6029 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
6030 \endcsname
6031 \ifnum\XePersian@i = 1
6032 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@sn
6033 \else
6034 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6035 \fi
6036 \newcommand*\{\persiantoday}\{%
6037 \number\XePersian@d\space%
6038 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
6039 }
6040 \let\persianyear\XePersian@y
6041 \let\persianmonth\XePersian@m
6042 \let\persianday\XePersian@d
6043 \def\XePersian@persian@month#1{\ifcase#1\or or\
6044 or\
6045 or\
6046 or\
6047 or\
6048 or\
6049 or\
6050 \fi\

```



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