



The XePersian *Package*

Source documentation for version 24.4

to my Master, *Ferdowsi The Great*

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

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

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

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

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

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

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The XePersian *Package*

Persian for L^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 24.4](#)

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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 beamer-xepersian.def

```

82 \ProvidesFile{beamer-xepersian.def}[2022/05/24 v0.1 xepersian changes to beamer class]
83 \usefonttheme[stillssansserifmath]{serif}

```

12 File beamerbasetranslator-xepersian.def

```

84 \ProvidesFile{beamerbasetranslator-xepersian.def}[2022/06/09 v0.2 xepersian changes to beamer]
85 \newcommand*\ProvideTranslation[2]{%
86   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
87 }
88
89 \ProvideTranslation{Theorem}{  }
90 \ProvideTranslation{Corollary}{  }
91 \ProvideTranslation{Fact}{  }
92 \ProvideTranslation{Lemma}{  }
93 \ProvideTranslation{Problem}{  }
94 \ProvideTranslation{Solution}{  }
95 \ProvideTranslation{Definition}{  }
96 \ProvideTranslation{Definitions}{  }
97 \ProvideTranslation{Example}{  }
98 \ProvideTranslation{Examples}{  }
99 \ProvideTranslation{Who?}{  }
100 \ProvideTranslation{From?}{  }

```



```

101 \ProvideTranslation{When?}{ }
102
103

```

13 File bidentuftsidenote-xepersian.def

```

104 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentuftsidenote]
105
106 \setLTRcitationfont{\resetlatinfont\footnotesize}
107
108 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
109
110 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
111
112

```

14 File bidimoderncv-xepersian.def

```

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

```

15 File boek3-xepersian.def

```

115 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
116 \renewcommand*\thepart{\@tartibi\c@part}
117 \renewcommand*\frontmatter{%
118   \cleardoublepage
119   \@mainmatterfalse
120   \pagenumbering{harfi}}
121 \renewcommand*\appendix{\par
122   \setcounter{chapter}{0}%
123   \setcounter{section}{0}%
124   \gdef\@chapapp{\appendixname}%
125   \gdef\thechapter{\@harfi\c@chapter}}

```

16 File boek-xepersian.def

```

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

```

17 File bookest-xepersian.def

```

137 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
138 \renewcommand \thepart {\@tartibi\c@part}
139 \renewcommand\appendix{\par

```



```

140 \setcounter{chapter}{0}%
141 \setcounter{section}{0}%
142 \gdef\@chapapp{\appendixname}%
143 \gdef\thechapter{\@harfi\c@chapter}
144 }%end appendix

```

18 File book-xepersian.def

```

145 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
146 \renewcommand\frontmatter{%
147   \cleardoublepage
148   \@mainmatterfalse
149   \pagenumbering{harfi}}
150 \renewcommand \thepart {\@tartibi\c@part}
151 \renewcommand\appendix{\par
152   \setcounter{chapter}{0}%
153   \setcounter{section}{0}%
154   \gdef\@chapapp{\appendixname}%
155   \gdef\thechapter{\@harfi\c@chapter}
156 }%end appendix

```

19 File breqn-xepersian.def

```

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

```



```

188 \mathsurround\z@\@@math \penalty\@Mi
189 \let\endmath\ends@math
190 \def\premath{%
191   \ifdim\lastskip<.3em \unskip
192   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
193 }%
194 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
195 \ignorespaces
196 }

```

20 File latex-localise-commands-xepersian.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

21 File color-localise-xepersian.def

```

1141 color}          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1142 0}{rgb}{    }    \0,,0}
1143 1}{rgb}{    }    \1,,1}
1144 1}{rgb}{    }    \0,,0}
1145 0}{rgb}{    }    \1,,0}
1146 0}{rgb}{    }    \0,,1}
1147 1}{cmyk}{    }    \0,,0,0}
1148 0}{cmyk}{    }    \1,,0,0}
1149 0}{cmyk}{    }    \0,,1,0}

```

22 File xepersian-localise-commands-xepersian.def

```

1150 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]

```



```

1151 \eqcommand{      }\{autofootnoterule\}
1152 \eqcommand{      }\{AutoMathDigits\}
1153 \eqcommand{      }\{DefaultMathDigits\}
1154 \eqcommand{ @    }\{keyval@eq@alias@key\}
1155 \eqcommand{      }\{deflatinfont\}
1156 \eqcommand{      }\{defpersianfont\}
1157 \eqcommand{      }\{hboxL\}
1158 \eqcommand{      }\{hboxR\}
1159 \eqcommand{      }\{Latincite\}
1160 \eqcommand{      }\{latinfont\}
1161 \eqcommand{      }\{latintoday\}
1162 \eqcommand{      }\{leftfootnoterule\}
1163 \eqcommand{      }\{lr\}
1164 \eqcommand{      }\{LRE\}
1165 \eqcommand{      }\{LTRdblcol\}
1166 \eqcommand{      }\{LTRfootnote\}
1167 \eqcommand{      }\{LTRfootnotetext\}
1168 \eqcommand{      }\{LTRthanks\}
1169 \eqcommand{      }\{persianday\}
1170 \eqcommand{      }\{persianfont\}
1171 \eqcommand{      }\{PersianMathDigits\}
1172 \eqcommand{      }\{persianmonth\}
1173 \eqcommand{      }\{persianyear\}
1174 \eqcommand{      }\{plq\}
1175 \eqcommand{      }\{prq\}
1176 \eqcommand{      }\{rightfootnoterule\}
1177 \eqcommand{      }\{rl\}
1178 \eqcommand{      }\{RLE\}
1179 \eqcommand{      }\{RTLdblcol\}
1180 \eqcommand{      }\{RTLfootnote\}
1181 \eqcommand{      }\{RTLfootnotetext\}
1182 \eqcommand{      }\{RTLthanks\}
1183 \eqcommand{@    }\{@SepMark\}
1184 \eqcommand{      }\{SepMark\}
1185 \eqcommand{      }\{setdefaultbibitems\}
1186 \eqcommand{      }\{setdefaultmarginpar\}
1187 \eqcommand{      }\{setmathdigitfont\}
1188 \eqcommand{      }\{setfootnoteLR\}
1189 \eqcommand{      }\{setfootnoteRL\}
1190 \eqcommand{      }\{setlatintextfont\}
1191 \eqcommand{      }\{setLTR\}
1192 \eqcommand{      }\{setLTRbibitems\}
1193 \eqcommand{      }\{setLTRmarginpar\}
1194 \eqcommand{      }\{setRTL\}
1195 \eqcommand{      }\{setRTLbibitems\}
1196 \eqcommand{      }\{setRTLmarginpar\}
1197 \eqcommand{      }\{settextfont\}
1198 \eqcommand{      }\{textwidthfootnoterule\}
1199 \eqcommand{      }\{twocolumnstableofcontents\}
1200 \eqcommand{      }\{unsetfootnoteRL\}
1201 \eqcommand{      }\{unsetLTR\}
1202 \eqcommand{      }\{unsetRTL\}
1203 \eqcommand{      }\{vboxL\}
1204 \eqcommand{      }\{vboxR\}

```



```

1205 \eqcommand{ }{\XeLaTeX}
1206 \eqcommand{ }{\XePersian}
1207 \eqcommand{ }{\xepersianversion}
1208 \eqcommand{ }{\xepersiandate}
1209 \eqcommand{ }{\XeTeX}

```

23 File enumerate-xepersian.def

```

1210 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1211 \def\@enloop@{%
1212   \ifx \entemp\          \def\@tempa{\@enLabel\harfi } \else
1213   \ifx \entemp\          \def\@tempa{\@enLabel\adadi } \else
1214   \ifx \entemp\          \def\@tempa{\@enLabel\tartibi } \else
1215   \ifx A\@entemp         \def\@tempa{\@enLabel\Alph } \else
1216   \ifx a\@entemp         \def\@tempa{\@enLabel\alph } \else
1217   \ifx i\@entemp         \def\@tempa{\@enLabel\roman } \else
1218   \ifx I\@entemp         \def\@tempa{\@enLabel\Roman } \else
1219   \ifx l\@entemp         \def\@tempa{\@enLabel\arabic} \else
1220   \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
1221   \ifx \bgroup\@entemp   \let\@tempa\@enGroup       \else
1222   \ifx \@enum@\@entemp   \let\@tempa\@gobble       \else
1223                           \let\@tempa\@enOther
1224                           \@enhook
1225   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1226   \@tempa}

```

24 File enumitem-xepersian.def

```

1227 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1228 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1229 \AddEnumerateCounter*\adadi\@adadi{999999999}
1230 \AddEnumerateCounter\harfi\@harfi{ }
1231 \AddEnumerateCounter\Abjad\@Abjad{ }
1232 \AddEnumerateCounter\abjad\@abjad{ }
1233 \SetEnumerateShortLabel{ }\{\tartibi*\}
1234 \SetEnumerateShortLabel{ }\{\adadi*\}
1235 \SetEnumerateShortLabel{ }\{\harfi*\}
1236 \SetEnumerateShortLabel{ }\{\Abjad*\}
1237 \SetEnumerateShortLabel{ }\{\abjad*\}

```

25 File latex-localise-environments-xepersian.def

```

1238 \ProvidesFile{latex-localise-environments-xepersian.def}[2022/06/06 v0.3 Persian localisation]
1239 \eqenvironment{ }{abstract}
1240 \eqenvironment{ }{appendix}
1241 \eqenvironment{ }{array}
1242 \eqenvironment{ }{center}
1243 \eqenvironment{ }{description}
1244 \eqenvironment{ }{displaymath}
1245 \EqEnvironment{ }{document}
1246 \eqenvironment{ }{enumerate}
1247 \eqenvironment{ }{figure}
1248 \eqenvironment{ *}{figure*}
1249 \eqenvironment{ }{filecontents}

```



```

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

```

26 File xepersian-localise-environments-xepersian.def

```

1281 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localis
1282 \eqenvironment{      }{latin}
1283 \eqenvironment{      }{LTR}
1284 \eqenvironment{      }{LTRitems}
1285 \eqenvironment{      }{modernpoem}
1286 \eqenvironment{      *}{modernpoem*}
1287 \eqenvironment{      }{persian}
1288 \eqenvironment{      }{RTL}
1289 \eqenvironment{      }{RTLitems}
1290 \eqenvironment{      }{traditionalpoem}
1291 \eqenvironment{      *}{traditionalpoem*}

```

27 File extarticle-xepersian.def

```

1292 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1293 \renewcommand\thepart      {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295   \setcounter{section}{0}%
1296   \setcounter{subsection}{0}%
1297   \gdef\thesection{\@harfi\c@section}}

```



28 File extbook-xepersian.def

```
1298 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1299 \renewcommand\frontmatter{%
1300     \cleardoublepage
1301     \@mainmatterfalse
1302     \pagenumbering{harfi}}
1303 \renewcommand \thepart {\@tartibi\c@part}
1304 \renewcommand\appendix{\par
1305     \setcounter{chapter}{0}%
1306     \setcounter{section}{0}%
1307     \gdef\@chapapp{\appendixname}%
1308     \gdef\thechapter{\@harfi\c@chapter}
1309 }%end appendix
```

29 File extrafootnotefeatures-xepersian.def

```
1310 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafootnote]
1311 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1312 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1313 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

30 File extreport-xepersian.def

```
1314 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1315 \renewcommand\thepart {\@tartibi\c@part}
1316 \renewcommand\appendix{\par
1317     \setcounter{chapter}{0}%
1318     \setcounter{section}{0}%
1319     \gdef\@chapapp{\appendixname}%
1320     \gdef\thechapter{\@harfi\c@chapter}}
```

31 File fancyref-xepersian.def

```
1321 \ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package]
1322 \renewcommand*{\Frefchapname}{\chaptername}
1323 \renewcommand*{\Frefenumname}{%
1324     \if@RTL
1325 %
1326     \else
1327         Item%
1328     \fi
1329 }
1330 \renewcommand*{\Frefeqname}{%
1331     \if@RTL
1332 %
1333     \else
1334         Equation%
1335     \fi
1336 }
1337 \renewcommand*{\Freffigname}{\figurename}
1338 \renewcommand*{\Freffnname}{%
1339     \if@RTL
1340 %
```



```

1341 \else
1342     Footnote%
1343 \fi
1344 }
1345 \renewcommand*{\Frefonname}{%
1346 \if@RTL
1347 %
1348 \else
1349     On%
1350 \fi
1351 }
1352 \renewcommand*{\Frefpgname}{\pagename}
1353 \renewcommand*{\Frefsecname}{%
1354 \if@RTL
1355 %
1356 \else
1357     Section%
1358 \fi
1359 }
1360 \renewcommand*{\Frefseename}{%
1361 \if@RTL
1362 %
1363 \else
1364     See%
1365 \fi
1366 }
1367 \renewcommand*{\Frefstabname}{\tablename}
1368 \renewcommand*{\Freffigshortname}{%
1369 \if@RTL
1370     \Freffigname
1371 \else
1372     Fig.%
1373 \fi
1374 }
1375 \renewcommand*{\Frefpgshortname}{%
1376 \if@RTL
1377     \Frefpgname
1378 \else
1379     P.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefstabshortname}{%
1383 \if@RTL
1384     \tablename
1385 \else
1386     Tab.%
1387 \fi
1388 }
1389 \renewcommand*{\frefchapname}{%
1390 \if@RTL
1391     \Frefchapname
1392 \else
1393     \MakeLowercase{\Frefchapname}%
1394 \fi

```



```

1395 }
1396 \renewcommand*{\frefenumname}{%
1397   \if@RTL
1398     \Frefenumname
1399   \else
1400     \MakeLowercase{\Frefenumname}%
1401   \fi
1402 }
1403 \renewcommand*{\frefeqname}{%
1404   \if@RTL
1405     \Frefeqname
1406   \else
1407     \MakeLowercase{\Frefeqname}%
1408   \fi
1409 }
1410 \renewcommand*{\freffigname}{%
1411   \if@RTL
1412     \Freffigname
1413   \else
1414     \MakeLowercase{\Freffigname}%
1415   \fi
1416 }
1417 \renewcommand*{\freffnname}{%
1418   \if@RTL
1419     \Freffnname
1420   \else
1421     \MakeLowercase{\Freffnname}%
1422   \fi
1423 }
1424 \renewcommand*{\frefonname}{%
1425   \if@RTL
1426     \Frefonname
1427   \else
1428     \MakeLowercase{\Frefonname}%
1429   \fi
1430 }
1431 \renewcommand*{\frefpgname}{%
1432   \if@RTL
1433     \Frefpgname
1434   \else
1435     \MakeLowercase{\Frefpgname}%
1436   \fi
1437 }
1438 \renewcommand*{\frefsecname}{%
1439   \if@RTL
1440     \Frefsecname
1441   \else
1442     \MakeLowercase{\Frefsecname}%
1443   \fi
1444 }
1445 \renewcommand*{\frefseenname}{%
1446   \if@RTL
1447     \Frefseenname
1448   \else

```



```

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

```

32 File footnote-xepersian.def

```

1480 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1481
1482 \renewcommand*{\bidi@@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1483
1484 \renewcommand*{\bidi@@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1485
1486 \renewcommand*{\bidi@@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1487

```

33 File framed-xepersian.def

```

1488 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1489 \renewenvironment{titled-frame}[1]{%
1490   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1491     \TitleBarFrame{\textbf{#1}}}%
1492   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1493     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1494   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1495     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (if
1496   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt

```




```

1497 \TitleBarFrame{\textbf{#1\ (\if@RTL else\ cont\fi)}}}%
1498 \MakeFramed{\advance\hsize-20pt \FrameRestore}}}%
1499 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1500 % could interfere with the width measurement.
1501 {\endMakeFramed}

```

34 File glossaries-xepersian.def

```

1502 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries
1503 \glsaddprotectedpagefmt{@harfi}
1504 \glsaddprotectedpagefmt{@tartibi}
1505 \glsaddprotectedpagefmt{@adadi}

```

35 File hyperref-xepersian.def

```

1506 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package
1507 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1508 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1509 \def\itemautorefname{\if@RTL else\ item\fi}%
1510 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1511 \def\tableautorefname{\if@RTL else\ Table\fi}%
1512 \def\partautorefname{\if@RTL else\ Part\fi}%
1513 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1514 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1515 \def\sectionautorefname{\if@RTL else\ section\fi}%
1516 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1517 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1518 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1519 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1520 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1521 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1522 \def\pageautorefname{\if@RTL else\ page\fi}%
1523 \AtBeginDocument{%
1524 \let\HyOrg@appendix\appendix
1525 \def\appendix{%
1526 \ltx@ifundefined{chapter}%
1527 {\gdef\theHsection{\Alph{section}}}%
1528 {\gdef\theHchapter{\Alph{chapter}}}%
1529 \xdef\Hy@chapapp{\Hy@appendixstring}%
1530 \HyOrg@appendix
1531 }
1532 }
1533 \pdfstringdefDisableCommands{%
1534 \let\lr\@firstofone
1535 \let\rl\@firstofone
1536 \def\XePersian{XePersian}
1537 }
1538 \ltx@ifundefined{@resets@pp}{%
1539 }{%
1540 \let\HyOrg@resets@pp\@resets@pp
1541 \def\@resets@pp{%
1542 \ltx@ifundefined{chapter}{%
1543 \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1544 }{%

```



```

1545     \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1546   }%
1547   \xdef\Hy@chapapp{\Hy@appendixstring}%
1548   \HyOrg@resets@pp
1549 }%
1550 }

```

36 File imspc-xepersian.def

```

1551 \ProvidesFile{imspc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspc class
1552
1553 \renewcommand \thepart {\@tartibi\c@part}
1554 \def\appendix{\par\c@section\z@ \c@subsection\z@
1555   \let\sectionname\appendixname
1556   \def\thesection{\@harfi\c@section}}
1557

```

37 File kashida-xepersian.def

```

1558 \ProvidesFile{kashida-xepersian.def}[2020/05/16 v0.8 implementation of Kashida for xepersian
1559 %
1560 % The new changes is minimal and only cosmetic; To resolve the
1561 % issue properly, I will be studying TeX line breaking algorithms and
1562 % experiment to see how much of it I can mimic. The idea of using
1563 % a rule or even a box is awful and it breaks a lot of things. The ideal
1564 % solution is to insert Kashida without any rules or boxes or if
1565 % the font offers the alternative forms, it can be used for Kashida.
1566 % Unfortunately, computing the stretch using the \pdfsavepos and
1567 % \pdflastxpos primitives from the PDFTeX engine is bad and
1568 % impractical for several reasons. The process is extremely
1569 % slow and requires at least two runs of TeX. On a particular line,
1570 % we need to write to the aux file at least 10 times, on a page we
1571 % have on average around 10 lines and hence, for a 100 pages
1572 % document, we have to do this 10,000 times. These statistics are
1573 % very modest. On the other hand, if we reach max count (which is
1574 % very likely), then we have to do some devious things.
1575 %
1576 \chardef\xepersian@zwj="200D % zero-width joiner
1577 \chardef\xepersian@lrm="200E % left to right mark
1578 \chardef\xepersian@kashidachar="0640 % kashida
1579
1580 \chardef\xepersian@D=10 % dual-joiner class
1581 \chardef\xepersian@L=11 % lam
1582 \chardef\xepersian@R=12 % right-joiner
1583 \chardef\xepersian@A=13 % alef
1584 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1585 \newif\if@Kashida@on
1586 \def\xepersian@kashida{%
1587   \if@Kashida@on
1588     \xepersian@zwj
1589     \xepersian@lrm
1590     \nobreak
1591     \leaders\hrule height \XeTeXglyphbounds\tw@
1592     \the\XeTeXcharglyph\xepersian@kashidachar

```



```

1593     depth \XeTeXglyphbounds\font@ur
1594     \the\XeTeXcharglyph\xepersian@kashidachar
1595     \hskipOpt plus 0.5em
1596 %     \dimexpr \fontcharwd\font\xepersian@kashidachar -
1597 %     \XeTeXglyphbounds\@ne
1598 %     \the\XeTeXcharglyph\xepersian@kashidachar -
1599 %     \XeTeXglyphbounds\thr@@
1600 %     \the\XeTeXcharglyph\xepersian@kashidachar \relax
1601     \xepersian@zwj
1602 \fi
1603 }
1604
1605 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1606   \expandafter\dosetclass\charlist,\end}
1607 \def\dosetclass#1,#2\end{%
1608   \def\test{#1}\def\charlist{#2}%
1609   \ifx\test\empty\let\next\finishsetclass
1610   \else \XeTeXcharclass "\test = \theclass
1611     \let\next\dosetclass \fi
1612   \expandafter\next\charlist,,\end}
1613 \def\finishsetclass#1,,\end{}
1614
1615 \setclass \xepersian@A {0622,0623,0625,0627}
1616 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1617 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1618 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1619 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1620 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1621 \setclass \xepersian@L {0644}
1622 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1623
1624 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1625 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1626 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1627 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1628 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1629 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1630 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1631 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1632
1633 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1634 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1635
1636 \KashidaOn

```

38 File listings-xepersian.def

```

1637 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1638 \def\lstlistingname{\if@RTL else\ Listing\fi}
1639 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

39 File loadingorder-xepersian.def

```

1640 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the 1

```



```

1641 \bidi@isloaded{algorithmic}
1642 \bidi@isloaded{algorithm}
1643 \bidi@isloaded{backref}
1644 \bidi@isloaded{enumerate}
1645 \bidi@isloaded{enumitem}
1646 \bidi@isloaded{fancyref}
1647 \bidi@isloaded{tocloft}
1648 \bidi@isloaded{url}
1649 \bidi@isloaded{varioref}
1650 \AtBeginDocument{
1651   \if@bidi@algorithmicloaded@else
1652     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{\fi}]
1653   \fi%
1654   \if@bidi@algorithmloaded@else
1655     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{\fi}]
1656   \fi%
1657   \if@bidi@backrefloaded@else
1658     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{\fi}]
1659   \fi%
1660   \if@bidi@enumerateloaded@else
1661     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{\fi}]
1662   \fi%
1663   \if@bidi@enumitemloaded@else
1664     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{\fi}]
1665   \fi%
1666   \if@bidi@fancyrefloaded@else
1667     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{\fi}]
1668   \fi%
1669   \if@bidi@tocloftloaded@else
1670     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{\fi}]
1671   \fi%
1672   \if@bidi@urlloaded@else
1673     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{\fi}]
1674   \fi%
1675   \if@bidi@variorefloaded@else
1676     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{\fi}]
1677   \fi%
1678 }

```

40 File localise-xepersian.def

```

1679 \ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
1680 \newcommand{\makezwnjletter}{\catcode`\relax}
1681 \makezwnjletter
1682 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1683 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1684   \if@bidi@csdef{verbatim@}{\let\verbatim@xepersian@localize@verbatim@}{\csname#2\endcsname}}{\let\verbatim@xepersian@localize@verbatim@}}
1685 \newcommand*{\EqEnvironment}[2]{%
1686   \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1687   \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1688 }
1689 \ifpackageloaded{keyval}{%
1690 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1691   \bidi@csletcs{#1#2@#3}{#1#2@#4}%

```



```

1692 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1693 }{\@ifpackageloaded{xkeyval}{%
1694 \newcommand*\keyval@eq@alias@key[4][KV]{%
1695 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1696 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1697 }{}}
1698 \input{latex-localise-commands-xepersian.def}
1699 \input{xepersian-localise-commands-xepersian.def}
1700 \input{latex-localise-environments-xepersian.def}
1701 \input{xepersian-localise-environments-xepersian.def}
1702 \input{latex-localise-messages-xepersian.def}
1703 \input{latex-localise-misc-xepersian.def}
1704 \input{packages-localise-xepersian.def}
1705 \aliasfontfeature{ExternalLocation}{ }
1706 \aliasfontfeature{Path}{ }
1707 \aliasfontfeature{Renderer}{ }
1708 \aliasfontfeature{BoldFont}{ }
1709 \aliasfontfeature{Language}{ }
1710 \aliasfontfeature{Script}{ }
1711 \aliasfontfeature{UprightFont}{ }
1712 \aliasfontfeature{ItalicFont}{ }
1713 \aliasfontfeature{BoldItalicFont}{ }
1714 \aliasfontfeature{SlantedFont}{ }
1715 \aliasfontfeature{BoldSlantedFont}{ }
1716 \aliasfontfeature{SmallCapsFont}{ }
1717 \aliasfontfeature{UprightFeatures}{ }
1718 \aliasfontfeature{BoldFeatures}{ }
1719 \aliasfontfeature{ItalicFeatures}{ }
1720 \aliasfontfeature{BoldItalicFeatures}{ }
1721 \aliasfontfeature{SlantedFeatures}{ }
1722 \aliasfontfeature{BoldSlantedFeatures}{ }
1723 \aliasfontfeature{SmallCapsFeatures}{ }
1724 \aliasfontfeature{SizeFeatures}{ }
1725 \aliasfontfeature{Scale}{ }
1726 \aliasfontfeature{WordSpace}{ }
1727 \aliasfontfeature{PunctuationSpace}{ }
1728 \aliasfontfeature{FontAdjustment}{ }
1729 \aliasfontfeature{LetterSpace}{ }
1730 \aliasfontfeature{HyphenChar}{ }
1731 \aliasfontfeature{Color}{ }
1732 \aliasfontfeature{Opacity}{ }
1733 \aliasfontfeature{Mapping}{ }
1734 \aliasfontfeature{Weight}{ }
1735 \aliasfontfeature{Width}{ }
1736 \aliasfontfeature{OpticalSize}{ }
1737 \aliasfontfeature{FakeSlant}{ }
1738 \aliasfontfeature{FakeStretch}{ }
1739 \aliasfontfeature{FakeBold}{ }
1740 \aliasfontfeature{AutoFakeSlant}{ }
1741 \aliasfontfeature{AutoFakeBold}{ }
1742 \aliasfontfeature{Ligatures}{ }
1743 \aliasfontfeature{Alternate}{ }
1744 \aliasfontfeature{Variant}{ }
1745 \aliasfontfeature{Variant}{ }

```



```

1746 \aliasfontfeature{CharacterVariant}{      }
1747 \aliasfontfeature{Style}{      }
1748 \aliasfontfeature{Annotation}{      }
1749 \aliasfontfeature{RawFeature}{      }
1750 \aliasfontfeature{CharacterWidth}{      }
1751 \aliasfontfeature{Numbers}{      }
1752 \aliasfontfeature{Contextuals}{      }
1753 \aliasfontfeature{Diacritics}{      }
1754 \aliasfontfeature{Letters}{      }
1755 \aliasfontfeature{Kerning}{      }
1756 \aliasfontfeature{VerticalPosition}{      }
1757 \aliasfontfeature{Fractions}{      }
1758 \aliasfontfeatureoption{Language}{Default}{      }
1759 \aliasfontfeatureoption{Language}{Persian}{      }
1760 \aliasfontfeatureoption{Script}{Persian}{      }
1761 \aliasfontfeatureoption{Script}{Latin}{      }
1762 \aliasfontfeatureoption{Style}{MathScript}{      }
1763 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

41 File memoir-xepersian.def

```

1764 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1765 \renewcommand{\@memfront}{%
1766   \@smemfront\pagenumbering{harfi}}
1767 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1768 \renewcommand*{\thebook}{\@tartibi\c@book}
1769 \renewcommand*{\thepart}{\@tartibi\c@part}
1770 \renewcommand{\appendix}{\par
1771   \setcounter{chapter}{0}%
1772   \setcounter{section}{0}%
1773   \gdef\@chapapp{\appendixname}%
1774   \gdef\thechapter{\@harfi\c@chapter}%
1775   \anappendixtrue}

```

42 File latex-localise-messages-xepersian.def

```

1776 latex} \localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages]

```

43 File minitoc-xepersian.def

```

1777 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1778 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1779 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1780 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1781 \def\mtctitle{\if@RTL else\ Contents\fi}%
1782 \def\mlftitle{\if@RTL else\ Figures\fi}%
1783 \def\mltttitle{\if@RTL else\ Tables\fi}%
1784 \def\stctitle{\if@RTL else\ Contents\fi}%
1785 \def\slftitle{\if@RTL else\ Figures\fi}%
1786 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

44 File latex-localise-misc-xepersian.def

```

1787 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]

```



```

1788 %}1# \ \
1789 \@ \ @ \ \
1790 \1# \
1791 \1# @\
1792 \1# @\
1793 {@ \ \
1794 %}2#1# @\ \
1795 %1# \ @\ \ \ \
1796 \2# \ @\ \
1797 {{2#1# \}}
1798 undefined\ \ \
1799
1800 %{ \ \ \ \1#} \ \} \1# \ \
1801 \ { \ \ \
1802 \ \ \
1803
1804
1805 \ \ \ %} \#1
1806 \1#} \ \ % \
1807 \ \ \
1808 }%
1809 \
1810 \ \ \
1811 }
1812 \= \ \
1813
1814
1815 \ifdefinitionfileloaded{latex-xetex-bidi}{%
1816 \def\@xfloat #1[#2]{%
1817 \@nodocument
1818 \def \@capttype {#1}%
1819 \def \@fps {#2}%
1820 \@onelevel@sanitize \@fps
1821 \def \reserved@b {!}%
1822 \ifx \reserved@b \@fps
1823 \@fpsadddefault
1824 \else
1825 \ifx \@fps \@empty
1826 \@fpsadddefault
1827 \fi
1828 \fi
1829 \ifhmode
1830 \@bsphack
1831 \@floatpenalty -\@Mii
1832 \else
1833 \@floatpenalty-\@Miii
1834 \fi
1835 \ifinner
1836 \@parmoderr\@floatpenalty\z@
1837 \else
1838 \@next\@currbox\@freelist
1839 {%
1840 \@tempcnta \sixt@@n
1841 \expandafter \@tfor \expandafter \reserved@a

```



```

1842         \expandafter :\expandafter =\@fps
1843     \do
1844     {%
1845         \if \reserved@a h%
1846             \ifodd \@tempcnta
1847             \else
1848                 \advance \@tempcnta \@ne
1849             \fi
1850         \fi
1851         \if \reserved@a %
1852             \ifodd \@tempcnta
1853             \else
1854                 \advance \@tempcnta \@ne
1855             \fi
1856         \fi
1857         \if \reserved@a t%
1858             \@setfpsbit \tw@
1859         \fi
1860         \if \reserved@a %
1861             \@setfpsbit \tw@
1862         \fi
1863         \if \reserved@a b%
1864             \@setfpsbit 4%
1865         \fi
1866         \if \reserved@a %
1867             \@setfpsbit 4%
1868         \fi
1869         \if \reserved@a p%
1870             \@setfpsbit 8%
1871         \fi
1872         \if \reserved@a %
1873             \@setfpsbit 8%
1874         \fi
1875         \if \reserved@a !%
1876             \ifnum \@tempcnta>15
1877                 \advance\@tempcnta -\sixt@@n\relax
1878             \fi
1879         \fi
1880     }%
1881     \@tempcntb \csname ftype@\@capttype \endcsname
1882     \multiply \@tempcntb \@xxxii
1883     \advance \@tempcnta \@tempcntb
1884     \global \count\@currbox \@tempcnta
1885     }%
1886     \@fltovf
1887 \fi
1888 \global \setbox\@currbox
1889     \color@vbox
1890     \normalcolor
1891     \vbox \bgroup
1892     \hsize\columnwidth
1893     \@parboxrestore
1894     \@floatboxreset
1895 }

```




```

1896 \let\bm@ \bm@c
1897 \let\bm@ \bm@l
1898 \let\bm@ \bm@r
1899 \let\bm@ \bm@b
1900 \let\bm@ \bm@t
1901 \let\bm@ \bm@s
1902 \long\def\@iiiparbox#1#2[#3]#4#5{%
1903   \leavevmode
1904   \@pboxswfalse
1905   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1906   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1907   \setlength\@tempdima{#4}%
1908   \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1909   \ifx\relax#2\else
1910     \setlength\@tempdimb{#2}%
1911     \edef\@parboxto{to\the\@tempdimb}%
1912     \fi
1913     \if#1b\vbox
1914     \else\if#1\vbox
1915     \else\if #1t\vtop
1916     \else\if vtop\ #1
1917     \else\ifmmode\vcenter
1918     \else\@pboxswtrue $\vcenter
1919     \fi\fi\fi\fi\fi
1920     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1921       \csname bm@#3\endcsname}%
1922     \if@pboxsw \m@th$\fi
1923   \@end@tempboxa}
1924 \def\@iiiminipage#1#2[#3]#4{%
1925   \leavevmode
1926   \@pboxswfalse
1927   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1928   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1929   \setlength\@tempdima{#4}%
1930   \def\@mpargs{{#1}{#2}[#3]{#4}}%
1931   \setbox\@tempboxa\vbox\bgroup
1932     \color@begingroup
1933       \hsize\@tempdima
1934       \textwidth\hsize \columnwidth\hsize
1935       \@parboxrestore
1936       \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1937       \let\@footnotetext\@mpfootnotetext
1938       \let\@LTRfootnotetext\@mpLTRfootnotetext
1939       \let\@RTLfootnotetext\@mpRTLfootnotetext
1940       \let\@listdepth\@mplistdepth \@mplistdepth\z@
1941       \@minipagerestore
1942       \setminipage}
1943 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1944   \ifnum \@lastchclass=3 5 \else
1945   \z@ \if #1c\@chnum \z@ \else
1946     \if chnum@ \ #1 \z@ \else
1947       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1948       \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1949       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else

```



```

1950             \if \if@RTLtab#1 \else#1 \fi \@chnum \tw@ \else
1951             \@chclass \if #1|\@ne \else
1952             \if #1@\tw@ \else
1953             \if #1p3 \else
1954             \if 3#1 \else \z@ \@preamerr 0\fi
1955 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1956 \fi}%
1957 }{}
1958 \ifdefinitionfileloaded{array-xetex-bidi}{%
1959 \def\@testpach{\@chclass
1960 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1961 \ifnum \@lastchclass=7 5 \else
1962 \ifnum \@lastchclass=8 \tw@ \else
1963 \ifnum \@lastchclass=9 \thr@@
1964 \else \z@
1965 \ifnum \@lastchclass = 10 \else
1966 \edef\@nextchar{\expandafter\string\@nextchar}%
1967 \@chnum
1968 \if \@nextchar c\z@ \else
1969 \if \@nextchar @z\ \else
1970 \if \@nextchar \if@RTLtab r\else l\fi \@ne \else
1971 \if \@nextchar \if@RTLtab else\ fi \@ne\ \else
1972 \if \@nextchar \if@RTLtab l\else r\fi \tw@ \else
1973 \if \@nextchar \if@RTLtab else\ @fi \tw\ \else
1974 \z@ \@chclass
1975 \if \@nextchar |\@ne \else
1976 \if \@nextchar !6 \else
1977 \if \@nextchar @7 \else
1978 \if \@nextchar <8 \else
1979 \if \@nextchar >9 \else
1980 10
1981 \@chnum
1982 \if \@nextchar m\thr@@\else
1983 \if \@nextchar thr@@\else\
1984 \if \@nextchar p4 \else
1985 \if \@nextchar 4 \else
1986 \if \@nextchar b5 \else
1987 \if \@nextchar 5 \else
1988 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1989 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1990 }{}
1991 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1992 \ifadl@usingarypkg
1993 \def\@testpach{\@chclass
1994 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1995 \ifnum \@lastchclass=7 5 \else
1996 \ifnum \@lastchclass=8 \tw@ \else
1997 \ifnum \@lastchclass=9 \thr@@
1998 \else \z@
1999 \ifnum \@lastchclass = 10 \else
2000 \edef\@nextchar{\expandafter\string\@nextchar}%
2001 \@chnum
2002 \if \@nextchar c\z@ \else
2003 \if \@nextchar @z\ \else

```



```

2004 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2005 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2006 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2007 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2008 \z@ \@chclass
2009 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2010 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
2011 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
2012 \if \@nextchar !6 \else
2013 \if \@nextchar @7 \else
2014 \if \@nextchar <8 \else
2015 \if \@nextchar >9 \else
2016 10
2017 \@chnum
2018 \if \@nextchar m\thr@@\else
2019 \if \@nextchar thr@@\else\
2020 \if \@nextchar p4 \else
2021 \if \@nextchar 4 \else
2022 \if \@nextchar b5 \else
2023 \if \@nextchar 5 \else
2024 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2025 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2026
2027 \def\@classz{\@classx
2028 \@tempcnta \count@
2029 \prepnext@tok
2030 \@addtopreamble{\ifcase \@chnum
2031 \hfil
2032 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2033 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2034 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2035 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2036 \adl@endmbox\or
2037 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2038 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2039 \fi}\prepnext@tok}
2040 \def\adl@class@start{4}
2041 \def\adl@class@iiiorvii{7}
2042
2043 \else
2044 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\@tw@ 4\relax \else
2045 \ifnum \@lastchclass=\@thr@@ 5\relax \else
2046 \z@ \if #1c\@chnum \z@ \else
2047 \if @chnum\z@\ #1 \else
2048 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2049 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2050 \if \if@RTLtab#1l\else#1r\fi\@chnum \@tw@ \else
2051 \if \if@RTLtab#1 \else#1 \fi\@chnum \@tw@ \else
2052 \@chclass
2053 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2054 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2055 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2056 \if #1\@tw@ \else
2057 \if #1p\thr@@ \else

```



```

2058             \if @@thr\#1 \else\z@ \@preamerr 0\fi
2059         \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2060
2061 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2062             \or \or \@addamp \or
2063             \@acolampacol \or \@firststampfalse \@acol \fi
2064     \edef\@preamble{\@preamble
2065         \ifcase \@chnum
2066             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2067             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2068             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2069 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2070             \or \or \@addamp \or
2071             \@acolampacol \or \@firststampfalse \@acol \fi
2072     \edef\@preamble{\@preamble
2073         \ifcase \@chnum
2074             \hfil\adl@putlrc{\@sharp\unskip}\hfil
2075             \or \adl@putlrc{\@sharp\unskip}\hfil
2076             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2077 \def\adl@class@start{6}
2078 \def\adl@class@iiiorvii{3}
2079 \fi
2080 }{}
2081 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2082 \def\@testpach{\@chclass
2083     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2084     \ifnum \@lastchclass=7 5 \else
2085     \ifnum \@lastchclass=8 \tw@ \else
2086     \ifnum \@lastchclass=9 \thr@@
2087     \else \z@
2088     \ifnum \@lastchclass = 10 \else
2089     \edef\@nextchar{\expandafter\string\@nextchar}%
2090     \@chnum
2091     \if \@nextchar c\z@ \else
2092     \if \@nextchar @\z@ \else
2093     \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2094     \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2095     \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2096     \if \@nextchar \if@RTLtab else\ @fi\@tw@ \else
2097     \if \@nextchar C7 \else
2098     \if \@nextchar 7 \else
2099     \if \@nextchar L8 \else
2100     \if \@nextchar 8 \else
2101     \if \@nextchar R9 \else
2102     \if \@nextchar 9 \else
2103     \if \@nextchar J10 \else
2104     \if \@nextchar 10 \else
2105     \z@ \@chclass
2106     \if \@nextchar |\@ne \else
2107     \if \@nextchar !6 \else
2108     \if \@nextchar @7 \else
2109     \if \@nextchar <8 \else
2110     \if \@nextchar >9 \else
2111     10

```



[illegible]

```

2157 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2158 \renewcommand\NAT@set@cites{%
2159   \ifNAT@numbers
2160     \ifNAT@super \let\@cite\NAT@citesuper
2161     \def\NAT@mbx##1{\unskip\nobreak\textsuperscript{##1}}%
2162     \let\citeyearpar=\citeyear

```



```

2163     \let\NAT@space\relax
2164     \def\NAT@super@kern{\kern\p@}%
2165     \else
2166         \let\NAT@mbox=\mbox
2167         \let\@cite\NAT@citenum
2168         \let\NAT@space\NAT@spacechar
2169         \let\NAT@super@kern\relax
2170     \fi
2171     \let\@citex\NAT@citexnum
2172 \let\@Latincitex\NAT@Latin@citexnum
2173     \let\@biblabel\NAT@biblabelnum
2174     \let\@bibsetup\NAT@bibsetnum
2175     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2176     \def\natexlab##1{%
2177         \def\NAT@penalty{\penalty\@m}%
2178     \else
2179         \let\@cite\NAT@cite
2180         \let\@citex\NAT@citex
2181         \let\@Latincitex\NAT@Latin@citex
2182         \let\@biblabel\NAT@biblabel
2183         \let\@bibsetup\NAT@bibsetup
2184         \let\NAT@space\NAT@spacechar
2185         \let\NAT@penalty\@empty
2186         \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2187         \def\natexlab##1{##1}%
2188     \fi}
2189 \newcommand\NAT@Latin@citex{}
2190 \def\NAT@Latin@citex%
2191     [#1][#2]#3{%
2192     \NAT@reset@parser
2193     \NAT@sort@cites{#3}%
2194     \NAT@reset@citea
2195     \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2196         \@for\@citeb:=\NAT@cite@list\do
2197         {\@safe@activetrue
2198             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2199             \@safe@activesfalse
2200             \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2201                 {\reset@font\bfseries ?}\NAT@citeundefined
2202                 \PackageWarning{natbib}%
2203                 {Citation ``\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2204     {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2205         \NAT@parse{\@citeb}%
2206         \if\NAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2207             \let\NAT@name=\NAT@all@names
2208             \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2209     \fi
2210     \if\NAT@full\let\NAT@nm\NAT@all@names\else
2211         \let\NAT@nm\NAT@name\fi
2212     \if\NAT@swa\ifcase\NAT@ctype
2213         \if\relax\NAT@date\relax
2214             \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2215         \else
2216             \ifx\NAT@last@nm\NAT@nm\NAT@yrsep

```



```

2217         \ifx\NAT@last@yr\NAT@year
2218         \def\NAT@temp{{?}}%
2219         \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2220         {Multiple citation on page \thepage: same authors and
2221         year\MessageBreak without distinguishing extra
2222         letter,\MessageBreak appears as question mark}\fi
2223         \NAT@hyper@{\NAT@exlab}%
2224         \else\unskip\NAT@spacechar
2225         \NAT@hyper@{\NAT@date}%
2226         \fi
2227     \else
2228         \@citea\NAT@hyper@{%
2229         \NAT@nmfmt{\NAT@nm}%
2230         \hyper@natlinkbreak{%
2231         \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2232         }%
2233         \NAT@date
2234         }%
2235     \fi
2236 \fi
2237 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2238 \or\@citea\NAT@hyper@{\NAT@date}%
2239 \or\@citea\NAT@hyper@{\NAT@alias}%
2240 \fi \NAT@def@citea
2241 \else
2242     \ifcase\NAT@ctype
2243     \if\relax\NAT@date\relax
2244         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2245     \else
2246         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2247         \ifx\NAT@last@yr\NAT@year
2248         \def\NAT@temp{{?}}%
2249         \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2250         {Multiple citation on page \thepage: same authors and
2251         year\MessageBreak without distinguishing extra
2252         letter,\MessageBreak appears as question mark}\fi
2253         \NAT@hyper@{\NAT@exlab}%
2254         \else
2255         \unskip\NAT@spacechar
2256         \NAT@hyper@{\NAT@date}%
2257         \fi
2258     \else
2259         \@citea\NAT@hyper@{%
2260         \NAT@nmfmt{\NAT@nm}%
2261         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2262         {\@citeb\@extra@b@citeb}%
2263         \NAT@date
2264         }%
2265     \fi
2266 \fi
2267 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2268 \or\@citea\NAT@hyper@{\NAT@date}%
2269 \or\@citea\NAT@hyper@{\NAT@alias}%
2270 \fi

```



```

2271 \if\relax\NAT@date\relax
2272 \NAT@def@citea
2273 \else
2274 \NAT@def@citea@close
2275 \fi
2276 \fi
2277 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2278 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2279 \newcommand\NAT@Latin@citexnum{}
2280 \def\NAT@Latin@citexnum[#1][#2]#3{%
2281 \NAT@reset@parser
2282 \NAT@sort@cites{#3}%
2283 \NAT@reset@citea
2284 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2285 \@for\@citeb:=\NAT@cite@list\do
2286 {\@safe@activestru
2287 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2288 \@safe@activesfalse
2289 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2290 {\reset@font\bfseries?}
2291 \NAT@citeundefined\PackageWarning{natbib}%
2292 {Citation ``\@citeb' on page \thepage \space undefined}}%
2293 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2294 \NAT@parse{\@citeb}}%
2295 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2296 \let\NAT@name=\NAT@all@names
2297 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2298 \fi
2299 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2300 \let\NAT@nm\NAT@name\fi
2301 \ifNAT@swa
2302 \@ifnum{\NAT@ctype>\@ne}{%
2303 \citea
2304 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}}%
2305 }{%
2306 \@ifnum{\NAT@cmprs>\z@}{%
2307 \NAT@ifcat@num\NAT@num
2308 {\let\NAT@nm=\NAT@num}%
2309 {\def\NAT@nm{-2}}%
2310 \NAT@ifcat@num\NAT@last@num
2311 {\@tempcnta=\NAT@last@num\relax}%
2312 {\@tempcnta\m@ne}%
2313 \@ifnum{\NAT@nm=\@tempcnta}{%
2314 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2315 }{%
2316 \advance\@tempcnta by\@ne
2317 \@ifnum{\NAT@nm=\@tempcnta}{%
2318 \ifx\NAT@last@yr\relax
2319 \def\NAT@last@yr{\@citea}%
2320 \else
2321 \def\NAT@last@yr{--\NAT@penalty}%
2322 \fi
2323 }{%
2324 \NAT@last@yr@mbx

```




```

2325         }%
2326     }%
2327 }{%
2328     \@tempwattrue
2329     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempwafalse}{}}{}%
2330     \if@tempwa\NAT@citea@mbox\fi
2331 }%
2332 }%
2333 \NAT@def@citea
2334 \else
2335     \ifcase\NAT@ctype
2336         \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2337             \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2338         \fi
2339         \if*#1*\else#1\NAT@spacechar\fi
2340         \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2341         \NAT@def@citea@box
2342     \or
2343         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2344     \or
2345         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2346     \or
2347         \NAT@hyper@citea@space\NAT@alias
2348     \fi
2349 \fi
2350 }%
2351 }%
2352     \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2353     \ifNAT@swa\else
2354         \@ifnum{\NAT@ctype=\z@}{%
2355             \if*#2*\else\NAT@cmt#2\fi
2356         }{}%
2357         \NAT@mbox{\NAT@@close}%
2358     \fi
2359 }}{#1}{#2}%
2360 }%
2361 \AtBeginDocument{\NAT@set@cites}
2362 \DeclareRobustCommand\Latincite
2363     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2364     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2365 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2366     \ifNAT@numbers\else
2367     \NAT@swafalse
2368     \fi
2369     \NAT@@Latin@@citetp[]}}
2370 \newcommand\NAT@@Latin@@citetp{
2371 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

46 File packages-localise-xepersian.def

```

2372 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2373 color} \}{color} @\-localise-xepersian.def}}{}
2374 \@ifpackageloaded{multicol}{%
2375 \newenvironment{

```



```

2376 \newenvironment{      *}{\begin{multicols*}}{\end{multicols*}}%
2377 }{}
2378 \@ifpackageloaded{verbatim}{%
2379 \begin{group
2380 \vrb@catcodes
2381 \lccode`!=`\\ \lccode`[=`{ \lccode`\]=`\}
2382 \catcode`\-=\active \lccode`\-=`^^M
2383 \lccode`\C=`\C
2384 \lowercase{\endgroup
2385 \def\xepersian@localize@verbatim@start#1{%
2386 \verbatim@startline
2387 \if\noexpand#1\noexpand~%
2388 \let\next\xepersian@localize@verbatim@
2389 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2390 \next}%
2391 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2392 \def\xepersian@localize@verbatim@@#1! {%
2393 \verbatim@addtoline{#1}%
2394 \futurelet\next\xepersian@localize@verbatim@@@}%
2395 \def\xepersian@localize@verbatim@@@#1\@nil{%
2396 \ifx\next\@nil
2397 \verbatim@processline
2398 \verbatim@startline
2399 \let\next\xepersian@localize@verbatim@
2400 \else
2401 \def\@tempa##1! \@nil{##1}%
2402 \@temptokena{! }%
2403 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2404 \fi \next}%
2405 \def\xepersian@localize@verbatim@test#1{%
2406 \let\next\xepersian@localize@verbatim@test
2407 \if\noexpand#1\noexpand~%
2408 \expandafter\verbatim@addtoline
2409 \expandafter{\the\@temptokena}%
2410 \verbatim@processline
2411 \verbatim@startline
2412 \let\next\xepersian@localize@verbatim@
2413 \else \if\noexpand#1
2414 \@temptokena\expandafter{\the\@temptokena#1}%
2415 \else \if\noexpand#1\noexpand[%
2416 \let\@tempc\@empty
2417 \let\next\xepersian@localize@verbatim@testend
2418 \else
2419 \expandafter\verbatim@addtoline
2420 \expandafter{\the\@temptokena}%
2421 \def\next{\xepersian@localize@verbatim@#1}%
2422 \fi\fi\fi
2423 \next}%
2424 \def\xepersian@localize@verbatim@testend#1{%
2425 \if\noexpand#1\noexpand~%
2426 \expandafter\verbatim@addtoline
2427 \expandafter{\the\@temptokena}%
2428 \expandafter\verbatim@addtoline
2429 \expandafter{\@tempc}%

```



```

2430         \verbatim@processline
2431         \verbatim@startline
2432         \let\next\xepersian@localize@verbatim@
2433         \else\if\noexpand#1\noexpand]%
2434         \let\next\xepersian@localize@verbatim@@testend
2435         \else\if\noexpand#1\noexpand!%
2436         \expandafter\verbatim@addtoline
2437         \expandafter{\the\@temptokena[]}%
2438         \expandafter\verbatim@addtoline
2439         \expandafter{\@tempc}%
2440         \def\next{\xepersian@localize@verbatim@!}%
2441         \else \expandafter\def\expandafter\@tempc\expandafter
2442         {\@tempc#1}\fi\fi\fi
2443         \next}%
2444     \def\xepersian@localize@verbatim@@testend{%
2445         \ifx\@tempc\@currenvir
2446         \verbatim@finish
2447         \edef\next{\noexpand\end{\@currenvir}}%
2448         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2449     \else
2450         \expandafter\verbatim@addtoline
2451         \expandafter{\the\@temptokena[]}%
2452         \expandafter\verbatim@addtoline
2453         \expandafter{\@tempc[]}%
2454         \let\next\xepersian@localize@verbatim@
2455     \fi
2456     \next}%
2457     \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2458         \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2459 \def\
2460     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2461     \xepersian@localize@verbatim@start}
2462 \namedef{
2463     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2464 \def\end
2465     {\endtrivlist\endgroup\@doendpe}
2466 \expandafter\let\csname end
2467     *\endcsname =\end
2468 }{}
2469 \ExplSyntaxOn
2470 \AtBeginDocument{
2471     \xepersian_localize_patch_verbatim:
2472 }
2473 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2474     \@ifpackageloaded{verbatim}{
2475         \cs_set:cpn {*
2476             } }
2477         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2478     }
2479 }{
2480 }
2481 }
2482 \ExplSyntaxOff
2483 \@ifpackageloaded{graphicx}{%
2484 \def\Gin@boolkey#1#2{%
2485 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2486 \expandafter\let\csname Gin@#2 \endcsname\expandafter\endcsname\csname Gin@#2true\endcsname}%
2487 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2488 \expandafter\let\csname Gin@#2 \endcsname\expandafter\endcsname\csname Gin@#2false\endcsname}%

```



```

2484 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2485 \define@key{Grot}{origin}[c]{%
2486 \@tfor\@tempa:=#1\do{%
2487   \if l\@tempa \Grot@x\z@ \else
2488   \if tempa@ \Grot@x\z@ \else
2489   \if r\@tempa \Grot@x\width \else
2490   \if tempa@ \Grot@x\width \else
2491   \if t\@tempa \Grot@y\height \else
2492   \if tempa@ \Grot@y\height \else
2493   \if b\@tempa \Grot@y-\depth \else
2494   \if tempa@ \Grot@y-\depth \else
2495   \if B\@tempa \Grot@y\z@ \else
2496   \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2497 {draft}{ }{Gin} @ \
2498 {origin}{ }{Gin} @ \
2499 {origin}{ }{Grot} @ \
2500 {clip}{ }{Gin} @ \
2501 {keepaspectratio}{ }{Gin} @ \
2502 {natwidth}{ }{Gin} @ \
2503 {natheight}{ }{Gin} @ \
2504 {bb}{ }{Gin} @ \
2505 {viewport}{ }{Gin} @ \
2506 {trim}{ }{Gin} @ \
2507 {angle}{ }{Gin} @ \
2508 {width}{ }{Gin} @ \
2509 {height}{ }{Gin} @ \
2510 {totalheight}{ }{Gin} @ \
2511 {scale}{ }{Gin} @ \
2512 {type}{ }{Gin} @ \
2513 {ext}{ }{Gin} @ \
2514 {read}{ }{Gin} @ \
2515 {command}{ }{Gin} @ \
2516 {x}{ }{Grot} @ \
2517 {y}{ }{Grot} @ \
2518 {units}{ }{Grot} @ \
2519 }{}

```

47 File url-xepersian.def

```

2520 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2521 \begingroup
2522 \lccode`+=`% \lccode`\~`=%
2523 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2524   \ifnum\Umathcodenum`%<32768 \def~{\%}\fi}}%
2525 \endgroup%

```

48 File persian-tex-text.map

```

2526 LHSName "persian-TeX-text"
2527 RHSName "Unicode"
2528
2529 pass(Unicode)
2530 U+0030 <> U+06F0 ;
2531 U+0031 <> U+06F1 ;

```



```

2532 U+0032 <> U+06F2 ;
2533 U+0033 <> U+06F3 ;
2534 U+0034 <> U+06F4 ;
2535 U+0035 <> U+06F5 ;
2536 U+0036 <> U+06F6 ;
2537 U+0037 <> U+06F7 ;
2538 U+0038 <> U+06F8 ;
2539 U+0039 <> U+06F9 ;
2540
2541
2542 U+002C <> U+060C ; comma > arabic comma
2543 U+003F <> U+061F ; question mark -> arabic qm
2544 U+003B <> U+061B ; semicolon -> arabic semicolon
2545
2546 ; ligatures from Knuth's original CMR fonts
2547 U+002D U+002D <> U+2013 ; -- -> en dash
2548 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2549
2550 U+0027 <> U+2019 ; ' -> right single quote
2551 U+0027 U+0027 <> U+201D ; '' -> right double quote
2552 U+0022 > U+201D ; " -> right double quote
2553
2554 U+0060 <> U+2018 ; ` -> left single quote
2555 U+0060 U+0060 <> U+201C ; `` -> left double quote
2556
2557 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2558 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2559
2560 ; additions supported in T1 encoding
2561 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2562 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2563 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

49 File persian-tex-text-nonnumbers.map

```

2564 LHSName "persian-TeX-text-nonnumbers"
2565 RHSName "Unicode"
2566
2567 pass(Unicode)
2568 U+002C <> U+060C ; comma > arabic comma
2569 U+003F <> U+061F ; question mark -> arabic qm
2570 U+003B <> U+061B ; semicolon -> arabic semicolon
2571
2572 ; ligatures from Knuth's original CMR fonts
2573 U+002D U+002D <> U+2013 ; -- -> en dash
2574 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2575
2576 U+0027 <> U+2019 ; ' -> right single quote
2577 U+0027 U+0027 <> U+201D ; '' -> right double quote
2578 U+0022 > U+201D ; " -> right double quote
2579
2580 U+0060 <> U+2018 ; ` -> left single quote
2581 U+0060 U+0060 <> U+201C ; `` -> left double quote
2582

```



```

2583 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2584 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2585
2586 ; additions supported in T1 encoding
2587 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2588 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2589 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

50 File rapport1-xepersian.def

```

2590 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2591 \renewcommand*\thepart{\@tartibi\c@part}
2592 \renewcommand*\appendix{\par
2593   \setcounter{chapter}{0}%
2594   \setcounter{section}{0}%
2595   \gdef\@chapapp{\appendixname}%
2596   \gdef\thechapter{\@harfi\c@chapter}}

```

51 File rapport3-xepersian.def

```

2597 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2598 \renewcommand*\thepart{\@tartibi\c@part}
2599 \renewcommand*\appendix{\par
2600   \setcounter{chapter}{0}%
2601   \setcounter{section}{0}%
2602   \gdef\@chapapp{\appendixname}%
2603   \gdef\thechapter{\@harfi\c@chapter}}

```

52 File refrep-xepersian.def

```

2604 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2605 \renewcommand \thepart {\@tartibi\c@part}
2606 \renewcommand\appendix{\par
2607   \setcounter{chapter}{0}%
2608   \setcounter{section}{0}%
2609   \gdef\@chapapp{\appendixname}%
2610   \gdef\thechapter{\@harfi\c@chapter}
2611 }%end appendix

```

53 File report-xepersian.def

```

2612 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2613 \renewcommand \thepart {\@tartibi\c@part}
2614 \renewcommand\appendix{\par
2615   \setcounter{chapter}{0}%
2616   \setcounter{section}{0}%
2617   \gdef\@chapapp{\appendixname}%
2618   \gdef\thechapter{\@harfi\c@chapter}
2619 }%end appendix

```

54 File scrartcl-xepersian.def

```

2620 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2621 \renewcommand*{\thepart}{\@tartibi\c@part}

```



```

2622 \renewcommand*\appendix{%
2623   \Ifstr{\@currentenv}{appendix}{%
2624     \ClassWarning{\KOMAClassName}{%
2625       You are using
2626       `\'string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2627       You should note, that `\'string\appendix' is a mostly
2628       globally\MessageBreak
2629       working command not an enviroment with only local\MessageBreak
2630       effects. Therefore `\'string\end{appendix}' will neither\MessageBreak
2631       switch back to normal section numbering nor finish\MessageBreak
2632       every other effect of `\'string\begin{appendix}'.\MessageBreak
2633       Nevertheless, some effects may end with\MessageBreak
2634       `\'string\end{appendix}' and the document may become\MessageBreak
2635       inconsistent.\MessageBreak
2636       Because of this, you should remove `\'string\end{appendix}'\MessageBreak
2637       and replace `\'string\begin{appendix}' by command\MessageBreak
2638       `\'string\appendix'%
2639     }%
2640   }{}%
2641   \par
2642   \setcounter{section}{0}%
2643   \setcounter{subsection}{0}%
2644   \gdef\thesection{\@harfi\c@section}%
2645 }
2646 \IfLTXAtLeastTF{2020/10/01}{%
2647   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2648 }{}
2649 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2650 \renewcommand*{\@maybeautodot}[1]{%
2651   \ifx #1\@stop\let\@maybeautodot\relax
2652   \else
2653     \ifx #1\harfi \@autodottrue\fi
2654     \ifx #1\adadi \@autodottrue\fi
2655     \ifx #1\tartibi \@autodottrue\fi
2656     \ifx #1\Alph \@autodottrue\fi
2657     \ifx #1\alph \@autodottrue\fi
2658     \ifx #1\Roman \@autodottrue\fi
2659     \ifx #1\roman \@autodottrue\fi
2660     \ifx #1\@harfi \@autodottrue\fi
2661     \ifx #1\adadi \@autodottrue\fi
2662     \ifx #1\tartibi \@autodottrue\fi
2663     \ifx #1\@Alph \@autodottrue\fi
2664     \ifx #1\@alph \@autodottrue\fi
2665     \ifx #1\@Roman \@autodottrue\fi
2666     \ifx #1\@roman \@autodottrue\fi
2667     \ifx #1\romannumeral \@autodottrue\fi
2668   \fi
2669   \@maybeautodot
2670 }

```

55 File scrbook-xepersian.def

```

2671 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2672 \renewcommand*\frontmatter{%

```



```

2673 \if@twoside\cleardoubleoddpage\else\clearpage\fi
2674 \@mainmatterfalse\pagenumbering{harfi}%
2675 }
2676 \renewcommand*{\thepart}{\@tartibi\c@part}
2677 \renewcommand*{\appendix}%
2678 \Ifstr{\@currenvir}{appendix}{%
2679 \ClassWarning{\KOMAClassName}{%
2680 You are using
2681 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2682 You should note, that \string\appendix' is a mostly
2683 globally\MessageBreak
2684 working command not an enviroment with only local\MessageBreak
2685 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2686 switch back to normal section numbering nor finish\MessageBreak
2687 every other effect of \string\begin{appendix}'.\MessageBreak
2688 Nevertheless, some effects may end with\MessageBreak
2689 \string\end{appendix}' and the document may become\MessageBreak
2690 inconsistent.\MessageBreak
2691 Because of this, you should remove \string\end{appendix}'\MessageBreak
2692 and replace \string\begin{appendix}' by command\MessageBreak
2693 \string\appendix'%
2694 }%
2695 }{}%
2696 \par
2697 \setcounter{chapter}{0}%
2698 \setcounter{section}{0}%
2699 \gdef\@chapapp{\appendixname}%
2700 \gdef\thechapter{\@harfi\c@chapter}%
2701 }
2702 \IfLTXAtLeastTF{2020/10/01}{%
2703 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2704 }{}
2705 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2706 \renewcommand*{\@@maybeautodot}[1]{%
2707 \ifx #1\@stop\let\@@maybeautodot\relax
2708 \else
2709 \ifx #1\harfi \@autodottrue\fi
2710 \ifx #1\adadi \@autodottrue\fi
2711 \ifx #1\tartibi \@autodottrue\fi
2712 \ifx #1\Alph \@autodottrue\fi
2713 \ifx #1\alph \@autodottrue\fi
2714 \ifx #1\Roman \@autodottrue\fi
2715 \ifx #1\roman \@autodottrue\fi
2716 \ifx #1\@harfi \@autodottrue\fi
2717 \ifx #1\@adadi \@autodottrue\fi
2718 \ifx #1\@tartibi \@autodottrue\fi
2719 \ifx #1\@Alph \@autodottrue\fi
2720 \ifx #1\@alph \@autodottrue\fi
2721 \ifx #1\@Roman \@autodottrue\fi
2722 \ifx #1\@roman \@autodottrue\fi
2723 \ifx #1\romannumeral \@autodottrue\fi
2724 \fi
2725 \@@maybeautodot
2726 }

```



56 File scrreprt-xepersian.def

```

2727 \ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
2728 \renewcommand*{\thepart}{\@tartibi\c@part}
2729 \renewcommand*\appendix{%
2730   \Ifstr{\@currentenv}{appendix}{%
2731     \ClassWarning{\KOMAClassName}{%
2732       You are using
2733       `\'string\begin{appendix}...\'string\end{appendix}`.\MessageBreak
2734       You should note, that `\'string\appendix' is a mostly
2735       globally\MessageBreak
2736       working command not an enviroment with only local\MessageBreak
2737       effects. Therefore `\'string\end{appendix}' will neither\MessageBreak
2738       switch back to normal section numbering nor finish\MessageBreak
2739       every other effect of `\'string\begin{appendix}`.\MessageBreak
2740       Nevertheless, some effects may end with\MessageBreak
2741       `\'string\end{appendix}' and the document may become\MessageBreak
2742       inconsistent.\MessageBreak
2743       Because of this, you should remove `\'string\end{appendix}`\MessageBreak
2744       and replace `\'string\begin{appendix}' by command\MessageBreak
2745       `\'string\appendix'%
2746     }%
2747   }{}%
2748   \par
2749   \setcounter{chapter}{0}%
2750   \setcounter{section}{0}%
2751   \gdef\@chapapp{\appendixname}%
2752   \gdef\thechapter{\@harfi\c@chapter}%
2753 }
2754 \IfLTXAtLeastTF{2020/10/01}{%
2755   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2756 }{}
2757 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2758 \renewcommand*{\@@maybeautodot}[1]{%
2759   \ifx #1\@stop\let\@@maybeautodot\relax
2760   \else
2761     \ifx #1\harfi \@autodottrue\fi
2762     \ifx #1\adadi \@autodottrue\fi
2763     \ifx #1\tartibi \@autodottrue\fi
2764     \ifx #1\Alph \@autodottrue\fi
2765     \ifx #1\alph \@autodottrue\fi
2766     \ifx #1\Roman \@autodottrue\fi
2767     \ifx #1\roman \@autodottrue\fi
2768     \ifx #1\@harfi \@autodottrue\fi
2769     \ifx #1\@adadi \@autodottrue\fi
2770     \ifx #1\@tartibi \@autodottrue\fi
2771     \ifx #1\@Alph \@autodottrue\fi
2772     \ifx #1\@alph \@autodottrue\fi
2773     \ifx #1\@Roman \@autodottrue\fi
2774     \ifx #1\@roman \@autodottrue\fi
2775     \ifx #1\romannumeral \@autodottrue\fi
2776   \fi
2777   \@@maybeautodot
2778 }

```



57 File soul-xepersian.def

```
2779 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2780 \let\SOUL@tt@latin\SOUL@tt
2781 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2782 \def\SOUL@tt{%
2783   \if@nonlatin
2784     \SOUL@tt@nonlatin
2785   \else
2786     \SOUL@tt@latin
2787   \fi
2788 }
2789 \bidi@appto\resetlatinfont{%
2790   \setbox\z@\hbox{\SOUL@tt-}%
2791   \SOUL@ttwidth\wd\z@
2792 }
2793 \bidi@appto\setpersianfont{%
2794   \setbox\z@\hbox{\SOUL@tt-}%
2795   \SOUL@ttwidth\wd\z@
2796 }
```

58 File tkz-linknodes-xepersian.def

```
2797 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2798 \renewcommand*{\@SetTab}{%
2799   \let\@alph\@latinalph%
2800   \ifnum \value{C@NumTab}>25\relax%
2801     \setcounter{C@NumTab}{1}%
2802   \else%
2803     \stepcounter{C@NumTab}%
2804   \fi%
2805   \setcounter{C@NumGroup}{0}%
2806   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2807   \setboolean{B@FirstLink}{true}
2808   \setboolean{B@NewGroup}{false}
2809   \setcounter{C@NumGroup}{0}
2810   \setcounter{C@CurrentGroup}{0}
2811   \setcounter{NumC@Node}{0}
2812   \setcounter{NumC@stop}{0}
2813   \setcounter{C@NextNode}{0}
2814   \setcounter{C@CurrentStop}{0}
2815   \setcounter{C@CurrentNode}{0}
2816 }%
```

59 File tocloft-xepersian.def

```
2817 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2818 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2819 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2820 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2821 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2822 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2823 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2824 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
```



```

2825 \renewcommand*{\cftsubfigname}{\if@RTL else\    subfigure\fi}
2826 \renewcommand*{\cfttabname}{\if@RTL else\    table\fi}
2827 \renewcommand*{\cftsubtabname}{\if@RTL else\    subtable\fi}

```

60 File varioref-xepersian.def

```

2828 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2829 \def\reftextfaceafter{%
2830   \if@RTL
2831
2832 \reftextvario{  }{ }%
2833   \else
2834     on the \reftextvario{facing}{next} page%
2835   \fi
2836 }
2837 \def\reftextfacebefore{%
2838   \if@RTL
2839
2840 \reftextvario{  }{ }%
2841   \else
2842     on the \reftextvario{facing}{preceding} page%
2843   \fi
2844 }
2845 \def\reftextafter{%
2846   \if@RTL
2847
2848 \reftextvario{  }{ }%
2849   \else
2850     on the \reftextvario{following}{next} page%
2851   \fi
2852 }
2853 \def\reftextbefore{%
2854   \if@RTL
2855
2856 \reftextvario{  }{ }%
2857   \else
2858     on the \reftextvario{preceding}{previous} page%
2859   \fi
2860 }
2861 \def\reftextcurrent{%
2862   \if@RTL
2863
2864 \reftextvario{  }{ }%
2865   \else
2866     on \reftextvario{this}{the current} page%
2867   \fi
2868 }
2869 \def\reftextfaraway#1{%
2870   \if@RTL
2871     %
2872 ~\pageref{#1}%
2873   \else
2874     on page~\pageref{#1}%
2875   \fi

```



```

2876 }
2877 \def\reftextpagerange#1#2{%
2878   \if@RTL
2879     %
2880 ~\pageref{#1}--\pageref{#2}%
2881   \else
2882     on pages~\pageref{#1}--\pageref{#2}%
2883   \fi
2884 }
2885 \def\reftextlabelrange#1#2{%
2886   \if@RTL
2887     \ref{#1} %ref{#2}\~
2888   \else
2889     \ref{#1} to~\ref{#2}%
2890   \fi
2891 }

```

61 File xepersian.sty

```

2892 \NeedsTeXFormat{LaTeX2e}
2893 \def\xepersian@version{24.4}
2894 \def\xepersiandate{2022/06/09}
2895 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2896 Persian typesetting in XeLaTeX]
2897 \RequirePackage{fontspec}
2898 \RequirePackage{xepersian-persiancal}
2899 \RequirePackage{xepersian-mathdigitsspec}
2900 \RequirePackage{bidi}
2901 \edef\@xepersian@info{*****~J%
2902 * ~J%
2903 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2904 * ~J%
2905 * Description: The package supports Persian~J%
2906 * typesetting, using fonts provided in the~J%
2907 * distribution.~J%
2908 * ~J%
2909 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2910 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2911 * ~J%
2912 * v\xepersian@version, \xepersiandate~J%
2913 * ~J%
2914 * License: LaTeX Project Public License, version~J%
2915 * 1.3c or higher (your choice)~J%
2916 * ~J%
2917 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2918 * ~J%
2919 * Issue tracker: https://github.com/kvafa/xepersian/issues~J%
2920 * ~J%
2921 * Discussions: https://github.com/kvafa/xepersian/discussions~J%
2922 * ~J%
2923 * Primary author of xepersian package: Vafa Khalighi.~J%
2924 * ~J%
2925 *****}
2926 \typeout{\@xepersian@info}

```



```

2927 \edef\xepersian@everyjob{\the\everyjob}
2928 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2929 \newcommand*\xepersianversion{
2930   {\ensuremath\xepersian@version}
2931 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2932   \ifdim\xepersian@version pt > #1 pt %
2933     \expandafter\@firstoftwo
2934   \else
2935     \expandafter\@secondoftwo
2936   \fi}
2937 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2938   \ifdim\xepersian@version pt < #1 pt %
2939     \expandafter\@firstoftwo
2940   \else
2941     \expandafter\@secondoftwo
2942   \fi}
2943 \newcommand*\IfxepersianPackageVersion}[1]{%
2944   \ifdim\xepersian@version pt = #1 pt %
2945     \expandafter\@firstoftwo
2946   \else
2947     \expandafter\@secondoftwo
2948   \fi}
2949 \def\prq{«}
2950 \def\plq{»}
2951 \def\xepersian@cmds@temp#1{%
2952   \begingroup\expandafter\expandafter\expandafter\endgroup
2953   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2954     \begingroup
2955       \escapechar=-1 %
2956       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2957       \def\y{#1}%
2958       \def\z##1->{}%
2959       \edef\y{\expandafter\z\meaning\y}%
2960       \expandafter\endgroup
2961       \ifx\x\y
2962         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2963         \expandafter{%
2964           \csname#1\endcsname
2965         }%
2966       \fi
2967     \fi
2968 }%
2969 \xepersian@cmds@temp{shellescape}
2970 \newif\ifwritexviii
2971 \ifnum\xepersian@shellescape=1\relax
2972   \writexviii true
2973 \else
2974   \writexviii false
2975 \fi
2976 \newfontscript{Persian}{arab}
2977 \newfontlanguage{Persian}{FAR}
2978 \ExplSyntaxOn
2979
2980 \keys_define:nn {fontspec-opentype}

```



```

2981 {
2982   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-text}
2983   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2984   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2985 }
2986
2987 \keys_define:nn {fontspec-aat}
2988 {
2989   Ligatures / PersianTeX .code:n =
2990   {
2991     \tl_set:Nn \l__fontspec_mapping_tl { persian-text }
2992   }
2993 }
2994
2995 \keys_define:nn {fontspec-opentype}
2996 {
2997   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-
2998   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2999   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3000 }
3001
3002 \keys_define:nn {fontspec-aat}
3003 {
3004   Ligatures / PersianTeXNoNumbers .code:n =
3005   {
3006     \tl_set:Nn \l__fontspec_mapping_tl { persian-text-nonumbers }
3007   }
3008 }
3009
3010 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3011 {
3012   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3013   \ignorespaces
3014 }
3015 \cs_new:Nn \__xepersian_main_settextfont:nn
3016 {
3017   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {RawFeature={script=arab},Lig
3018   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
3019   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3020   {
3021     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3022     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
3023     \exp_not:N \selectfont
3024   }
3025 }
3026 \str_if_eq:eeT {\familydefault} {\rmdefault}
3027 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3028 \__xepersian_settextfont_hook:nn {#1} {#2}
3029 \normalfont
3030 }
3031
3032 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3033
3034 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }

```



```

3035 {
3036   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3037   \ignorespaces
3038 }
3039 \cs_new:Nn \_xepersian_main_settextdigitfont:nn
3040 {
3041   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3042   \use:x
3043   {
3044     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3045     {
3046       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
3047       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3048       \exp_not:N \selectfont
3049     }
3050   }
3051   \_xepersian_settextdigitfont_hook:nn {#1} {#2}
3052   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3053   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3054   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3055   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3056   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3057   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3058   \if@bidi@csundef{xepersian@D}{\%
3059     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3060     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3061     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3062     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3063     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3064     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3065     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3066     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3067   }
3068 }
3069
3070 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3071 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3072
3073 \cs_set_eq:NN \_xepersian_settextdigitfont_hook:nn \use_none:nn
3074
3075 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3076 {
3077   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3078   \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3079   \ignorespaces
3080 }
3081
3082
3083 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3084 {
3085   \_xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3086   \ignorespaces
3087 }
3088 \cs_new:Nn \_xepersian_main_setlatintextfont:nn

```



```

3089 {
3090   \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3091   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3092     {
3093       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3094       \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
3095       \exp_not:N \selectfont
3096     }
3097   }
3098   \str_if_eq:eeT {\familydefault} {\rmdefault}
3099   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3100   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3101   \normalfont
3102 }
3103
3104 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3105
3106 \tl_set_eq:NN \setlatinsansfont \setsansfont
3107 \tl_set_eq:NN \setlatinmonofont \setmonofont
3108
3109 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3110 {
3111   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3112   \NewDocumentCommand
3113 }
3114 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3115 {
3116   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3117   \RenewDocumentCommand
3118 }
3119 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3120 {
3121   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {RawFeature={script=
3122   \use:x
3123   {
3124     \exp_not:N #4 \exp_not:N #1 {}
3125     {
3126       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3127       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3128       \exp_not:N \selectfont
3129     }
3130   }
3131 }
3132
3133 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3134 {
3135   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3136   \NewDocumentCommand
3137 }
3138 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3139 {
3140   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3141   \RenewDocumentCommand
3142 }

```




```

3143 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3144 {
3145   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {}
3146   \use:x
3147   {
3148     \exp_not:N #4 \exp_not:N #1 {}
3149     {
3150       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3151       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3152       \exp_not:N \selectfont
3153     }
3154   }
3155 }
3156
3157 \newcommand\persiansfdefault{}
3158 \newcommand\persianttdefault{}
3159 \newcommand\iranicsfdefault{}
3160 \newcommand\navarsfdefault{}
3161 \newcommand\pooksfdefault{}
3162 \newcommand\sayehsfdefault{}
3163 \DeclareRobustCommand\persiansffamily
3164   {\not@math@alphabet\persiansffamily\mathpersiansf
3165    \fontfamily\persiansfdefault\selectfont}
3166 \DeclareRobustCommand\persianttfamily
3167   {\not@math@alphabet\persianttfamily\mathpersiantt
3168    \fontfamily\persianttdefault\selectfont}
3169 \DeclareRobustCommand\iranicsfamily
3170   {\not@math@alphabet\iranicsfamily\mathiranics
3171    \fontfamily\iranicsfdefault\selectfont}
3172 \DeclareRobustCommand\navarsfamily
3173   {\not@math@alphabet\navarsfamily\mathnavar
3174    \fontfamily\navarsfdefault\selectfont}
3175 \DeclareRobustCommand\pooksfamily
3176   {\not@math@alphabet\pooksfamily\mathpook
3177    \fontfamily\pooksfdefault\selectfont}
3178 \DeclareRobustCommand\sayehsfamily
3179   {\not@math@alphabet\sayehsfamily\mathsayeh
3180    \fontfamily\sayehsfdefault\selectfont}
3181 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3182 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3183 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3184 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3185 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3186 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
3187
3188 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3189 {
3190   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3191   \ignorespaces
3192 }
3193 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3194 {
3195   \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {RawFeature={script=arab}}
3196   \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl

```



```

3197 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3198 {
3199   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3200   \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3201   \exp_not:N \selectfont
3202 }
3203 }
3204 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3205 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3206 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3207 \normalfont
3208 }
3209
3210 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3211
3212 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3213 {
3214   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3215   \ignorespaces
3216 }
3217 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3218 {
3219   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {RawFeature={script=arab},
3220   \tl_set_eq:NN \persianttfdefault \l__xepersian_persianttfamily_family_tl
3221   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3222   {
3223     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3224     \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3225     \exp_not:N \selectfont
3226   }
3227 }
3228 \str_if_eq:eeT {\familydefault} {\persianttfdefault}
3229 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3230 \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3231 \normalfont
3232 }
3233
3234 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3235
3236 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3237 {
3238   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3239   \ignorespaces
3240 }
3241 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3242 {
3243   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {RawFeature={script=arab},Lig
3244   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3245   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3246   {
3247     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3248     \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3249     \exp_not:N \selectfont
3250   }

```



```

3251 }
3252 \str_if_eq:eeT {\familydefault} {\navardefault}
3253 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3254 \__xepersian_setnavarfont_hook:nn {#1} {#2}
3255 \normalfont
3256 }
3257
3258 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3259
3260 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3261 {
3262   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3263   \ignorespaces
3264 }
3265 \cs_new:Nn \__xepersian_main_setpookfont:nn
3266 {
3267   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3268   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3269   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3270     {
3271       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3272       \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3273       \exp_not:N \selectfont
3274     }
3275   }
3276   \str_if_eq:eeT {\familydefault} {\pookdefault}
3277   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3278   \__xepersian_setpookfont_hook:nn {#1} {#2}
3279   \normalfont
3280 }
3281
3282 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3283
3284 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3285 {
3286   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3287   \ignorespaces
3288 }
3289 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3290 {
3291   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3292   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3293   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3294     {
3295       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3296       \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3297       \exp_not:N \selectfont
3298     }
3299   }
3300   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3301   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3302   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3303   \normalfont
3304 }

```



```

3305
3306 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3307
3308 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
3309 {
3310     \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3311     \ignorespaces
3312 }
3313 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3314 {
3315     \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3316     \tl_set_eq:NN \iraniconfontdefault \l__xepersian_iranicfamily_family_tl
3317     \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3318         {
3319             \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3320             \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
3321             \exp_not:N \selectfont
3322         }
3323     }
3324     \str_if_eq:eeT {\familydefault} {\iraniconfontdefault}
3325     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3326     \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3327     \normalfont
3328 }
3329
3330 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3331
3332 \ExplSyntaxOff
3333 \def\resetlatinfont{%
3334 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3335 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3336 \def\xepersian@@fontsize@scale{%
3337 \strip@pt\dimexpr 1pt * \dimexpr
3338 \xepersian@@latin@fontsize@scale pt\relax
3339 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3340 }%
3341 \def\xepersian@@baselineskip@scale{%
3342 \strip@pt\dimexpr 1pt * \dimexpr
3343 \xepersian@@latin@baselineskip@scale pt\relax
3344 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3345 }%
3346 \@nonlatinfalse%
3347 \let\normalfont\latinfont%
3348 \let\reset@font\normalfont%
3349 \latinfont%
3350 \fontsize\fontsize\fontsize\fontsize\fontsize\fontsize%
3351 \selectfont%
3352 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3353 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3354 }
3355 \def\setpersianfont{%
3356 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3357 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3358 \let\xepersian@@fontsize@scale\one%

```



```

3359 \let\xepersian@@baselineskip@scale\@ne%
3360 \@nonlatintrue%
3361 \let\normalfont\persianfont%
3362 \let\reset@font\normalfont%
3363 \persianfont%
3364 \fontsize\fontsize\fontsize\fontsize@baselineskip%
3365 \selectfont%
3366 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3367 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
3368 }
3369 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3370 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3371 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3372 \def\endlatin{\endLTR}
3373 \newenvironment{latin*}{\latin
3374   \everypar{%
3375     {\setbox\z@\lastbox
3376       \ifvoid\z@
3377         \kern-\parindent
3378       \fi}%
3379   }%
3380 }\endlatin\@endpetrue}
3381 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3382 \def\endpersian{\endRTL}
3383 \newenvironment{persian*}{\persian
3384   \everypar{%
3385     {\setbox\z@\lastbox
3386       \ifvoid\z@
3387         \kern-\parindent
3388       \fi}%
3389   }%
3390 }\endpersian\@endpetrue}
3391 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
3392 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIANITEMS}}
3393 \let\originaltoday=\today
3394 \def\latintoday{\lr{\originaltoday}}
3395 \def\today{\rl{\persiantoday}}
3396 \def \@LTRmarginparreset {%
3397   \reset@font
3398   \resetlatinfont
3399   \normalsize
3400   \@minipagetrue
3401   \everypar{\@minipagefalse\everypar{}\beginL}%
3402 }
3403 \DeclareRobustCommand\Latincite{%
3404   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3405 \def\@Latincitex[#1]#2{\leavevmode
3406   \let\@citea\@empty
3407   \@cite{\lr{\@for\@citeb:=#2\do
3408     {\@citea\def\@citea{,\penalty\@m\ }%
3409     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3410     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3411     \@ifundefined{b\@citeb}{\hbox{\reset@font\bfseries ?}}%
3412     \G@refundefinedtrue

```



```

3413 \latex@warning
3414 {Citation \@citeb' on page \thepage \space undefined}}%
3415 {\@citeofmt{\csname b@\@citeb\endcsname}}}{#1}}
3416
3417 \renewcommand*{\bidi@font@@outputpage}{\ifRTLmain\setpersianfont\else\resetlatinfont\fi}
3418
3419 \newif\if@xepersian@@computeautoilg
3420 \newcount\xepersian@tcl
3421 \newdimen\xepersian@ilg
3422 \newdimen\xepersian@strutilg
3423 \chardef\f@ur=4
3424 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3425 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3426 \loop
3427 \iffontchar\font\xepersian@tcl
3428 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\z@
3429 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3430 \xepersian@ilg=\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3431 \fi
3432 \else
3433 \ifdim\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl<\z@
3434 \ifdim-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl>\xepersian@ilg
3435 \xepersian@ilg=-\xTeXglyphbounds\tw@ \the\xTeXcharglyph\xepersian@tcl
3436 \fi
3437 \fi
3438 \fi
3439 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\z@
3440 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3441 \xepersian@strutilg=\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3442 \fi
3443 \else
3444 \ifdim\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl<\z@
3445 \ifdim-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3446 \xepersian@strutilg=-\xTeXglyphbounds\f@ur \the\xTeXcharglyph\xepersian@tcl
3447 \fi
3448 \fi
3449 \fi
3450 \fi
3451 \advance\xepersian@tcl\@ne
3452 \ifnum\xepersian@tcl<1792\repeat
3453 \advance\xepersian@strutilg\xepersian@ilg
3454 % \ifdim\xepersian@strutilg>\baselineskip
3455 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3456 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3457 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3458 % \selectfont
3459 % \fi
3460 }
3461
3462 \newif\if@@textdigitfont@on
3463
3464 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3465 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3466

```



```

3467 \TextDigitFontOn
3468
3469 \newcommand*\xepersian@setlength[4]{%
3470   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3471   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3472   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3473   \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3474   \else
3475   \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3476   \fi
3477   \else
3478   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3479   \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3480   \else
3481   \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3482   \fi
3483   \fi
3484   \else
3485   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3486   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3487   \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3488   \else
3489   \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3490   \fi
3491   \else
3492   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3493   \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3494   \else
3495   \setlength{#1}{#2 \@plus#3 \@minus#4}%
3496   \fi
3497   \fi
3498   \fi
3499 }
3500
3501 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3502   \@defaultunits\@tempdima#2pt\relax\@nnil
3503   \setlength{\@tempdimc}{\@tempdima}%
3504   \addtolength{\@tempdimc}{-10\p@}%
3505   \edef\@ptsize{\strip@pt\@tempdimc}%
3506   \@defaultunits\@tempdimb#1pt\relax\@nnil
3507   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3508   \edef\@tempb{\the\@tempdimc}%
3509   \setlength{\@tempdimc}{\@tempdima}%
3510   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3511   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3512   \xepersian@setlength{\abovedisplayskip}{%
3513     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3514   \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3515   \xepersian@setlength{\belowdisplayshortskip}{%
3516     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3517   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3518   \edef\normalsize{%
3519     \noexpand\setfontsize\noexpand\normalsize
3520     {\the\@tempdima}{\the\@tempdimb}%

```



```

3521 \abovedisplayskip \the\abovedisplayskip
3522 \abovedisplayshortskip \the\abovedisplayshortskip
3523 \belowdisplayskip \the\belowdisplayskip
3524 \belowdisplayshortskip \the\belowdisplayshortskip
3525 \let\noexpand\@listi\noexpand\@listI
3526 }%
3527 \setlength{\@tempdima}{0.9125\@tempdimc}%
3528 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3529 \xepersian@setlength{\abovedisplayskip}%
3530 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3531 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3532 \xepersian@setlength{\belowdisplayshortskip}%
3533 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3534 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3535 \edef\small{%
3536 \noexpand\@setfontsize\noexpand\small
3537 {\the\@tempdima}{\the\@tempdimb}%
3538 \abovedisplayskip \the\abovedisplayskip
3539 \abovedisplayshortskip \the\abovedisplayshortskip
3540 \belowdisplayskip \the\belowdisplayskip
3541 \belowdisplayshortskip \the\belowdisplayshortskip
3542 \let\noexpand\@listi\noexpand\@listi@small
3543 }%
3544 \setlength{\@tempdima}{.83334\@tempdimc}%
3545 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3546 \xepersian@setlength{\abovedisplayskip}%
3547 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3548 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3549 \xepersian@setlength{\belowdisplayshortskip}%
3550 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3551 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3552 \edef\footnotesize{%
3553 \noexpand\@setfontsize\noexpand\footnotesize
3554 {\the\@tempdima}{\the\@tempdimb}%
3555 \abovedisplayskip \the\abovedisplayskip
3556 \abovedisplayshortskip \the\abovedisplayshortskip
3557 \belowdisplayskip \the\belowdisplayskip
3558 \belowdisplayshortskip \the\belowdisplayshortskip
3559 \let\noexpand\@listi\noexpand\@listi@footnotesize
3560 }%
3561 \setlength{\@tempdima}{.66667\@tempdimc}%
3562 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3563 \edef\scriptsize{%
3564 \noexpand\@setfontsize\noexpand\scriptsize
3565 {\the\@tempdima}{\the\@tempdimb}%
3566 }%
3567 \setlength{\@tempdima}{.5\@tempdimc}%
3568 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3569 \edef\tiny{%
3570 \noexpand\@setfontsize\noexpand\tiny
3571 {\the\@tempdima}{\the\@tempdimb}%
3572 }%
3573 \setlength{\@tempdima}{1.2\@tempdimc}%
3574 \setlength{\@tempdimb}{\@tempb\@tempdima}%

```




```

3575 \edef\large{%
3576   \noexpand\setfontsize\noexpand\large
3577   {\the\@tempdima}{\the\@tempdimb}%
3578 }%
3579 \setlength{\@tempdima}{1.44\@tempdimc}%
3580 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3581 \edef\Large{%
3582   \noexpand\setfontsize\noexpand\Large
3583   {\the\@tempdima}{\the\@tempdimb}%
3584 }%
3585 \setlength{\@tempdima}{1.728\@tempdimc}%
3586 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3587 \edef\LARGE{%
3588   \noexpand\setfontsize\noexpand\LARGE
3589   {\the\@tempdima}{\the\@tempdimb}%
3590 }%
3591 \setlength{\@tempdima}{2.074\@tempdimc}%
3592 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3593 \edef\huge{%
3594   \noexpand\setfontsize\noexpand\huge
3595   {\the\@tempdima}{\the\@tempdimb}%
3596 }%
3597 \setlength{\@tempdima}{2.488\@tempdimc}%
3598 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3599 \edef\Huge{%
3600   \noexpand\setfontsize\noexpand\Huge
3601   {\the\@tempdima}{\the\@tempdimb}%
3602 }%
3603 \normalsize
3604 \setlength{\@tempdimb}{\f@baselineskip}%
3605 \xepersian@setlength{\parsep}%
3606   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3607 \xepersian@setlength{\topsep}%
3608   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3609 \@tempswafalse
3610 \begingroup
3611 \def\@list@extra{\aftergroup\@tempswatrue}%
3612 \csname @listi\endcsname
3613 \endgroup
3614 \edef\@listi{\leftmargin\leftmarginI
3615   \topsep \the\topsep
3616   \parsep \the\parsep
3617   \itemsep \parsep
3618   \if@tempswa\noexpand\@list@extra\fi
3619 }%
3620 \let\@listI\@listi
3621 \xepersian@setlength{\parsep}%
3622   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3623 \xepersian@setlength{\topsep}%
3624   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3625 \@tempswafalse
3626 \begingroup
3627 \def\@list@extra{\aftergroup\@tempswatrue}%
3628 \csname @listi\endcsname

```



```

3629 \endgroup
3630 \edef\@listi@small{\leftmargin\leftmargini
3631 \topsep \the\topsep
3632 \parsep \the\parsep
3633 \itemsep \parsep
3634 \if@tempswa\noexpand\@list@extra\fi
3635 }%
3636 \xepersian@setlength{\parsep}%
3637 { .125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3638 \xepersian@setlength{\topsep}%
3639 { .25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3640 \@tempswafalse
3641 \begingroup
3642 \def\@list@extra{\aftergroup\@tempswatrue}%
3643 \csname @listi\endcsname
3644 \endgroup
3645 \edef\@listi@footnotesize{\leftmargin\leftmargini
3646 \topsep \the\topsep
3647 \parsep \the\parsep
3648 \itemsep \parsep
3649 \if@tempswa\noexpand\@list@extra\fi
3650 }%
3651 \xepersian@setlength{\parsep}%
3652 { .1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3653 \xepersian@setlength{\topsep}%
3654 { .3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3655 \@tempswafalse
3656 \begingroup
3657 \def\@list@extra{\aftergroup\@tempswatrue}%
3658 \csname @listii\endcsname
3659 \endgroup
3660 \edef\@listii{\leftmargin\leftmarginii
3661 \labelwidth=\dimexpr \leftmargin-\labelsep
3662 \topsep \the\topsep
3663 \parsep \the\parsep
3664 \itemsep \parsep
3665 \if@tempswa\noexpand\@list@extra\fi
3666 }%
3667 \xepersian@setlength{\topsep}%
3668 { .1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3669 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3670 \@tempswafalse
3671 \begingroup
3672 \def\@list@extra{\aftergroup\@tempswatrue}%
3673 \csname @listiii\endcsname
3674 \endgroup
3675 \edef\@listiii{\leftmargin\leftmarginiii
3676 \labelwidth=\dimexpr \leftmargin-\labelsep
3677 \topsep \the\topsep
3678 \parsep \z@
3679 \partopsep \the\partopsep
3680 \itemsep \topsep
3681 \if@tempswa\noexpand\@list@extra\fi
3682 }%

```



```

3683 \@tempswafalse
3684 \begingroup
3685   \def\@list@extra{\aftergroup\@tempwattrue}%
3686   \csname @listiv\endcsname
3687 \endgroup
3688 \edef\@listiv{\leftmargin\leftmarginiv
3689   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3690   \if@tempswa\noexpand\@list@extra\fi
3691 }%
3692 \@tempswafalse
3693 \begingroup
3694   \def\@list@extra{\aftergroup\@tempwattrue}%
3695   \csname @listv\endcsname
3696 \endgroup
3697 \edef\@listv{\leftmargin\leftmarginv
3698   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3699   \if@tempswa\noexpand\@list@extra\fi
3700 }%
3701 \@tempswafalse
3702 \begingroup
3703   \def\@list@extra{\aftergroup\@tempwattrue}%
3704   \csname @listvi\endcsname
3705 \endgroup
3706 \edef\@listvi{\leftmargin\leftmarginvi
3707   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3708   \if@tempswa\noexpand\@list@extra\fi
3709 }%
3710 \@listi
3711   \setlength{\@tempdimb}{\f@baselineskip}%
3712   \setlength{\footnotesep}{.555\@tempdimb}%
3713   \xepersian@setlength{\skip\footins}%
3714     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3715   \xepersian@setlength{\floatsep}%
3716     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3717   \xepersian@setlength{\textfloatsep}%
3718     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3719   \setlength{\intextsep}{\floatsep}%
3720   \setlength{\dblfloatsep}{\floatsep}%
3721   \setlength{\dbltextfloatsep}{\textfloatsep}%
3722   \setlength{\@fptop}{\z@ \@plus 1fil}%
3723   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3724   \setlength{\@fpbot}{\@fptop}%
3725   \setlength{\@dblfpbot}{\@fptop}%
3726   \setlength{\@dblfpsep}{\@fpsep}%
3727   \setlength{\@dblfpbot}{\@fptop}%
3728   \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3729 }
3730
3731 \renewcommand*{\@bidi@logo@}{%
3732   \@bidi@logo@hb@xt@columnwidth
3733   {\hss\bfseries
3734
3735   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3736

```



```

3737 \renewcommand*{\@bidi@pdfcreator}{%
3738   The xepersian package, v\xepersian@version, \xepersiandate
3739 }
3740
3741 \newcommand*{\@xepersian@pdfcustomproperties}{%
3742   This is the xepersian package, Version \xepersian@version,
3743   Released June 9, 2022.
3744 }
3745
3746 \newcommand\twocolumnstableofcontents{%
3747 \if@bidi@csundef{multi@column@out}{%
3748 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3749   \begin{multicols}{2}[\section*{\contentsname}]{%
3750     \small
3751     \@starttoc{toc}%
3752   \end{multicols}}}%
3753 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3754   \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3755 \AtBeginDocument{%
3756   \def\figurename{\if@RTL else\ Figure\fi}%
3757   \def\tablename{\if@RTL else\ Table\fi}%
3758   \def\contentsname{\if@RTL else\ Contents\fi}%
3759   \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3760   \def\listtablename{\if@RTL else\ List of Tables\fi}%
3761   \def\appendixname{\if@RTL else\ Appendix\fi}%
3762   \def\indexname{\if@RTL else\ Index\fi}%
3763   \def\refname{\if@RTL else\ References\fi}%
3764   \def\abstractname{\if@RTL else\ Abstract\fi}%
3765   \def\partname{\if@RTL else\ Part\fi}%
3766   \def\datename{\if@RTL else\ Date:\fi}%
3767   \def\@and{\if@RTL else\ and\fi}%
3768   \def\bibname{\if@RTL else\ Bibliography\fi}%
3769   \def\chaptername{\if@RTL else\ Chapter\fi}%
3770   \def\ccname{\if@RTL else\ cc\fi}%
3771   \def\enclname{\if@RTL else\ encl\fi}%
3772   \def\pagename{\if@RTL else\ Page\fi}%
3773   \def\headtoname{\if@RTL else\ To\fi}%
3774   \def\proofname{\if@RTL else\ Proof\fi}%
3775 }
3776 \def\@Abjad#1{%
3777   \ifcase#1\or or\ or\ or\ %
3778     \or or\ or\ or\ or\ %
3779     \or or\ or\ or\ or\ %
3780     \or or\ or\ or\ %
3781     \or or\ or\ or\ or\ %
3782     \or or\ or\ or\ or\ %
3783     \else\@ctrerr\fi}
3784 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3785 \let\Abjadnumeral\@Abjad
3786 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
3787 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3788 or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3789 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3790 \let\harfinumeral\@harfi

```



```

3791 \newcommand{\adadi}[1]{%
3792 \expandafter\@adadi\csname c@#1\endcsname%
3793 }
3794 \newcommand{\@adadi}[1]{%
3795 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3796 }
3797 \let\adadinumeral\@adadi%
3798 \def\xepersian@numberoutofrange#1#2{%
3799 \PackageError{xepersian}{The number `#1' is too large %
3800 to be formatted using xepersian}{The largest possible %
3801 number is 999,999,999.}%
3802 }
3803 \def\xepersian@numberstring#1#2#3#4{%
3804 \ifnum\number#1<\@ne%
3805 #3%
3806 \else\ifnum\number#1<1000000000 %
3807 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3808 \else%
3809 \xepersian@numberoutofrange{#1}{#4}%
3810 \fi\fi%
3811 }
3812 \def\xepersian@adadi#1#2{%
3813 \expandafter\xepersian@@adadi%
3814 \ifcase%
3815 \ifnum#1<10 1%
3816 \else\ifnum#1<100 2%
3817 \else\ifnum#1<\@m 3%
3818 \else\ifnum#1<\@M 4%
3819 \else\ifnum#1<100000 5%
3820 \else\ifnum#1<1000000 6%
3821 \else\ifnum#1<10000000 7%
3822 \else\ifnum#1<100000000 8%
3823 \else9%
3824 \fi\fi\fi\fi\fi\fi\fi\fi %
3825 \or00000000#1% case 1: Add 8 leading zeros
3826 \or0000000#1% case 2: Add 7 leading zeros
3827 \or000000#1% case 3: Add 6 leading zeros
3828 \or00000#1% case 4: Add 5 leading zeros
3829 \or0000#1% case 5: Add 4 leading zeros
3830 \or000#1% case 6: Add 3 leading zeros
3831 \or00#1% case 7: Add 2 leading zeros
3832 \or0#1% case 8: Add 1 leading zero
3833 \or#1% case 9: Add no leading zeros
3834 \or%
3835 \@nil#2%
3836 \fi%
3837 }
3838 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3839 \ifnum#1#2#3>\z@
3840 \xepersian@milyoongan#1#2#3%
3841 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3842 \fi%
3843 \ifnum#4#5#6>\z@%
3844 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%

```



```

3845 \ifnum#4#5#6>\@ne\fi%
3846 %
3847 \ifnum#7>\z@\ \fi%
3848 \fi%
3849 \xepersian@sadgan#7{#4#5#6}1#9%
3850 }
3851 \def\xepersian@milyoongan#1#2#3{%
3852 \ifnum#1#2#3=\@ne%
3853 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3854 %
3855 %
3856 \else%
3857 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3858 %
3859 %
3860 \fi%
3861 }
3862 \def\xepersian@sadgan#1#2#3#4#5#6{%
3863 \ifnum#1>\z@%
3864 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3865 %
3866 \ifnum#2#3>\z@\ \fi%
3867 \fi%
3868 \ifnum#2#3<20%
3869 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3870 \else%
3871 \xepersian@dahgan#2%
3872 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3873 #60%
3874 \fi%
3875 }
3876 \def\xepersian@yekani#1{%
3877 \ifcase#1@\empty\or or\ or\ or\ or\ or\ %
3878 \or or\ or\ or\ or\ or\ or\ %
3879 \or or\ or\ or\ %
3880 \or or\ %fi\
3881 }
3882 \def\xepersian@yekanii#1{%
3883 \ifcase#1@\empty\or %else\xepersian@yekani{#1}\fi\
3884 }
3885 \def\xepersian@yekanii#1{%
3886 \ifcase#1@\empty\or %else\xepersian@yekani{#1}\fi\
3887 }
3888 \def\xepersian@yekaniv#1{%
3889 \ifcase#1@\empty\or\or or\ or\ or\ or\ %
3890 \or or\ or\ %fi\
3891 }
3892 \def\xepersian@dahgan#1{%
3893 \ifcase#1\or\or or\ or\ %
3894 \or or\ or\ or\ %
3895 \or %fi\
3896 }
3897 \newcommand{\tartibi}[1]{%
3898 \expandafter\@tartibi\csname c@#1\endcsname%

```



```

3899 }
3900 \newcommand{\@tartibi}[1]{%
3901 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3902 }
3903 \let\tartibinumeral\@tartibi%
3904 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3905 \ifnum\number#1<\@ne%
3906 #3%
3907 \else\ifnum\number#1<1000000000 %
3908 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3909 \else%
3910 \xepersian@numberoutofrange{#1}{#4}%
3911 \fi\fi%
3912 }
3913 \def\xepersian@adadi@tartibi#1#2{%
3914 \expandafter\xepersian@@adadi@tartibi%
3915 \ifcase%
3916 \ifnum#1<10 1%
3917 \else\ifnum#1<100 2%
3918 \else\ifnum#1<\@m 3%
3919 \else\ifnum#1<\@M 4%
3920 \else\ifnum#1<100000 5%
3921 \else\ifnum#1<1000000 6%
3922 \else\ifnum#1<10000000 7%
3923 \else\ifnum#1<100000000 8%
3924 \else9%
3925 \fi\fi\fi\fi\fi\fi\fi\fi %
3926 \or00000000#1% case 1: Add 8 leading zeros
3927 \or0000000#1% case 2: Add 7 leading zeros
3928 \or000000#1% case 3: Add 6 leading zeros
3929 \or00000#1% case 4: Add 5 leading zeros
3930 \or0000#1% case 5: Add 4 leading zeros
3931 \or000#1% case 6: Add 3 leading zeros
3932 \or00#1% case 7: Add 2 leading zeros
3933 \or0#1% case 8: Add 1 leading zero
3934 \or#1% case 9: Add no leading zeros
3935 \or%
3936 \@nil#2%
3937 \fi%
3938 }
3939 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3940 \ifnum#1#2#3>\z@
3941 \xepersian@milyoongan@tartibi#1#2#3%
3942 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3943 \fi%
3944 \ifnum#4#5#6>\z@%
3945 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3946 \ifnum#4#5#6>\@ne \fi%
3947 %
3948 \ifnum#7>\z@\ \fi%
3949 \fi%
3950 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3951 }
3952 \def\xepersian@milyoongan@tartibi#1#2#3{%

```



```

3953 \ifnum#1#2#3=\@ne%
3954 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3955 %
3956 %
3957 \else%
3958 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3959 %
3960 %
3961 \fi%
3962 }
3963 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3964 \ifnum#1>\z@%
3965 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3966 %
3967 \ifnum#2#3>\z@ \fi%
3968 \fi%
3969 \ifnum#2#3<20%
3970 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3971 \else%
3972 \ifnum#2#3=30%
3973 \xepersian@dahgan@tartibi#2%
3974 \else%
3975 \xepersian@dahgan#2%
3976 \fi%
3977 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3978 #60%
3979 \fi%
3980 }
3981 \def\xepersian@dahgan@tartibi#1{%
3982 \ifcase#1\or\or or\ or\ %
3983 \or or\ or\ or\ %
3984 \or %fi\
3985 }
3986 \def\xepersian@tartibi#1{%
3987 \ifcase#1\or or\ or\ or\ %
3988 \or or\ or\ or\ or\ %
3989 \or or\ or\ or\ %
3990 \or or\ or\ %
3991 \or or\ or\ %fi\
3992 }
3993 \def\xepersian@yekanv#1{%
3994 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3995 \or or\ or\ or\ or\ or\ %
3996 \or or\ or\ or\ %
3997 \or or\ %fi\
3998 }
3999 \providecommand*\xpg@warning}[1]{%
4000 \PackageWarning{XePersian}%
4001 {#1}}
4002 \if@bidi@csundef{@abjad}{%
4003 \def{@abjad#1{%
4004 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4005 \else
4006 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%

```




```

4007 \else
4008 \ifnum#1<10\expandafter\abj@num@i\number#1%
4009 \else
4010 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4011 \else
4012 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4013 \else
4014 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4015 \fi
4016 \fi
4017 \fi
4018 \fi
4019 \fi
4020 \fi
4021 }
4022 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4023 \let\abjadnumeral\@abjad
4024 \def\abjad@zero{}
4025 \def\abj@num@i#1{%
4026 \ifcase#1\or or\ or\ or\ %
4027 \or or\ or\ or\ or\ fi\
4028 \ifnum#1=\z@\abjad@zero\fi}
4029 \def\abj@num@ii#1{%
4030 \ifcase#1\or or\ or\ or\ or\ %
4031 \or or\ or\ or\ or\ fi\
4032 \ifnum#1=\z@\fi\abj@num@i}
4033 \def\abj@num@iii#1{%
4034 \ifcase#1\or or\ or\ or\ or\ %
4035 \or or\ or\ or\ or\ fi\
4036 \ifnum#1=\z@\fi\abj@num@ii}
4037 \def\abj@num@iv#1{%
4038 \ifcase#1\or fi\
4039 \ifnum#1=\z@\fi\abj@num@iii}
4040 }{}
4041 \let\@latinalph\@alph%
4042 \let\@latinAlph\@Alph%
4043 \def\LatinAlphs{%
4044 \let\@alph\@latinalph%
4045 \let\@Alph\@latinAlph%
4046 }
4047 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
4048 \renewcommand*{\bidi@thebibliography@font@hook}{%
4049 \if@LTRbibitems
4050 \resetlatinfont
4051 \fi}
4052 \bidi@AfterEndPreamble{%
4053 \if@bidi@csundef{persianfont}{%
4054 \PackageError{xepersian}{You have not specified any font\MessageBreak
4055 for the main Persian text}{Use \settextfont' to load a font.}%
4056 }{}
4057 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4058 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4059 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4060 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}

```



```

4061 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4062 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4063 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4064 \ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4065 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4066 \ifpackageloaded{bituftesidenote}{\input{bituftesidenote-xepersian.def}}{}
4067 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4068 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4069 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4070 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4071 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4072 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4073 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4074 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4075 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4076 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4077 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4078 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
4079 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4080 \ifclassloaded{article}{\input{article-xepersian.def}}{}
4081 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4082 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4083 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4084 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4085 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4086 \ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4087 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4088 \ifclassloaded{report}{\input{report-xepersian.def}}{}
4089 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4090 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4091 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4092 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4093 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4094 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4095 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4096 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4097 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4098 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4099 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4100 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4101 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4102 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4103 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4104
4105 \def\xepersian@fontsize@branch#1{%
4106   \tempcnta\z@
4107   \for\xepersian@tmp=#1\do{%
4108     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
4109     \ifcase\tempcnta\relax% cnta == 0
4110       \edef\xepersian@value{\xepersian@frag}%
4111       \setfontsize{\xepersian@frag}%
4112     \or% cnta == 1
4113       \setfontsize[\xepersian@frag]{\xepersian@value}%
4114     \else\fi

```



```

4115     \advance\@tempcnta\@ne}%
4116 }
4117
4118
4119 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4120 \ifcase\xepersian@tempb\relax
4121     \AutoMathDigits
4122 \or
4123     \DefaultMathDigits
4124 \or
4125     \PersianMathDigits
4126 \fi}
4127 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4128 \ifcase\xepersian@tempb\relax
4129     \AutoInlineMathDigits
4130 \or
4131     \DefaultInlineMathDigits
4132 \or
4133     \PersianInlineMathDigits
4134 \fi}
4135 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4136 \ifcase\xepersian@tempb\relax
4137     \AutoDisplayMathDigits
4138 \or
4139     \DefaultDisplayMathDigits
4140 \or
4141     \PersianDisplayMathDigits
4142 \fi}
4143 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{\RTLdocument}
4144 \ifcase\xepersian@tempb\relax
4145     \@RTLtrue
4146 \or
4147     \@RTLfalse
4148 \fi}
4149
4150 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4151 \ifcase\xepersian@tempb\relax
4152     \@RTLtrue
4153 \or
4154     \@RTLfalse
4155 \fi}
4156
4157
4158 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4159 \ifcase\xepersian@tempb\relax
4160     \@RTLtabtrue
4161 \or
4162     \@RTLtabfalse
4163 \fi}
4164
4165 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[latin]
4166 \ifcase\xepersian@tempb\relax
4167     \@nonlatinfalse
4168 \or

```



```

4169 \nonlatintrue
4170 \fi}
4171
4172 \define@choicekey{xepersian.sty}{rldocument}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
4173 \ifcase\xepersian@tempb\relax
4174 \RTLtrue
4175 \or
4176 \RTLfalse
4177 \fi}
4178 \define@choicekey{xepersian.sty}{footnoterule}{\xepersian@tempa\xepersian@tempb}{automatic,1
4179 \ifcase\xepersian@tempb\relax
4180 \autofootnoterule
4181 \or
4182 \leftfootnoterule
4183 \or
4184 \rightfootnoterule
4185 \or
4186 \SplitFootnoteRule
4187 \or
4188 \textwidthfootnoterule
4189 \fi}
4190 \define@choicekey{xepersian.sty}{footnotedirection}{\xepersian@tempa\xepersian@tempb}{rightt
4191 \ifcase\xepersian@tempb\relax
4192 \RTL@footnotetrue
4193 \or
4194 \RTL@footnotefalse
4195 \fi}
4196 \define@choicekey{xepersian.sty}{debugfootnotedirection}{\xepersian@tempa\xepersian@tempb}{on
4197 \ifcase\xepersian@tempb\relax
4198 \footdir@debugtrue
4199 \or
4200 \footdir@debugfalse
4201 \fi}
4202 \define@choicekey{xepersian.sty}{Kashida}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
4203 \ifcase\xepersian@tempb\relax
4204 \input{kashida-xepersian.def}
4205 \fi}
4206 \define@choicekey{xepersian.sty}{localise}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
4207 \ifcase\xepersian@tempb\relax
4208 \input{localise-xepersian.def}
4209 \fi}
4210 \define@choicekey{xepersian.sty}{extrafootnotefeatures}{\xepersian@tempa\xepersian@tempb}{on,
4211 \ifcase\xepersian@tempb\relax
4212 \@extrafootnotefeaturestrue
4213 \or
4214 \@extrafootnotefeaturesfalse
4215 \fi}
4216 \define@choicekey{xepersian.sty}{quickindex}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
4217 \ifcase\xepersian@tempb\relax
4218 \PackageWarning{xepersian}{Obsolete option}%
4219 \ifwritexviii%
4220 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4221 \renewcommand\printindex{\newpage%
4222 \immediate\closeout\@indexfile

```



```

4223 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4224 \@input@{\jobname.ind}}}%
4225 \else
4226 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4227 \fi
4228 \fi}
4229 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,of
4230 \ifcase\xepersian@tempb\relax
4231 \ifwritexviii%
4232 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4233 \renewcommand\printindex{\newpage%
4234 \immediate\closeout\@indexfile
4235 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobna
4236 \@input@{\jobname.ind}}}%
4237 \else
4238 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4239 \fi
4240 \fi}
4241 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,of
4242 \ifcase\xepersian@tempb\relax
4243 \ifwritexviii%
4244 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4245 \renewcommand\printindex{\newpage%
4246 \immediate\closeout\@indexfile
4247 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobna
4248 \@input@{\jobname.ind}}}%
4249 \else
4250 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4251 \fi
4252 \fi}
4253 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4254 \ifcase\xepersian@tempb\relax
4255 \def\PersianAlphs{%
4256 \let\@alph\@abjad%
4257 \let\@Alph\@abjad%
4258 }
4259 \or
4260 \def\PersianAlphs{%
4261 \let\@alph\@Abjad%
4262 \let\@Alph\@Abjad%
4263 }
4264 \fi}
4265 \DeclareOptionX{defaultlatinfontfeatures}{%
4266 \defaultfontfeatures
4267 [\latinfont]
4268 {#1}
4269 }
4270
4271 \DeclareOptionX{mathfontssize} {%
4272 \def\xepersian@@math@fontsize@scale{#1}%
4273 }
4274
4275 \DeclareOptionX{fontssize} {%
4276 \def\xepersian@@fontsize@scale{#1}%

```



```

4277 }
4278
4279 \DeclareOptionX{fontsize}{%
4280   \xepersian@@fontsize@branch{#1}%
4281 }
4282
4283 \DeclareOptionX{latinfontsizescale}{%
4284   \def\xepersian@@latin@fontsize@scale{#1}%
4285 }
4286
4287 \DeclareOptionX{baselineskipscale}{%
4288   \def\xepersian@@baselineskip@scale{#1}%
4289 }
4290
4291 \DeclareOptionX{latinbaselineskipscale}{%
4292   \def\xepersian@@latin@baselineskip@scale{#1}%
4293 }
4294
4295 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4296   \ifcase\xepersian@tempb\relax
4297     \AtBeginDocument{\@bidi@inslogo}%
4298   \or
4299     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4300   \fi}
4301
4302 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4303   \ifcase\xepersian@tempb\relax
4304     \@bidi@pdfm@marktrue
4305   \or
4306     \@bidi@pdfm@markfalse
4307   \fi}
4308
4309 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4310   \ifcase\xepersian@tempb\relax
4311     \@xepersian@@computeautoilgtrue
4312   \or
4313     \@xepersian@@computeautoilgfalse
4314   \fi}
4315
4316 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4317   \ifcase\xepersian@tempb\relax
4318     \def\bidi@firstcolumn@status@write{%
4319       \protected@write\@auxout{%
4320         {\string\bidi@column@status
4321          {1}}}%
4322     \def\bidi@lastcolumn@status@write{%
4323       \protected@write\@auxout{%
4324         {\string\bidi@column@status{2}}}%
4325   \or
4326     \let\bidi@firstcolumn@status@write\relax
4327     \let\bidi@lastcolumn@status@write\relax
4328   \fi}
4329
4330

```



```

4331 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4332 \ifcase\xepersian@tempb\relax
4333   \bidi@AtEndPreamble{%
4334     \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4335       {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4336   }
4337 \or
4338   \relax
4339 \fi}
4340
4341 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}
4342 \ifcase\xepersian@tempb\relax
4343   \@bidi@perpage@footnotetrue
4344 \or
4345   \@bidi@perpage@footnotefalse
4346 \fi}
4347
4348 \ExecuteOptionsX{%
4349   documentdirection=righttoleft,
4350   tabledirection=righttoleft,
4351   script=nonlatin,
4352   footnotedirection=righttoleft,
4353   footnoterule=automatic,
4354   abjadvariant=two,
4355   DetectColumn=off,
4356   fontsizescale=\@ne,
4357   latinfontsizescale=\@ne,
4358   mathfontsizescale=\@ne,
4359   baselineskip=\@ne,
4360   latinbaselineskip=\@ne
4361 }
4362
4363 \ProcessOptionsX
4364
4365 \if@extrafootnotefeatures
4366   \input{extrafootnotefeatures-xetex-bidi.def}%
4367   \input{extrafootnotefeatures-xepersian.def}%
4368 \fi
4369
4370 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4371   \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4372 }{}{}
4373
4374 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4375   \@tempkipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4376 }{}{}
4377
4378
4379 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4380   \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4381   \dimexpr 1pt * \dimexpr #1 pt\relax /
4382   \dimexpr \xepersian@@fontsize@scale pt\relax
4383   \relax\relax
4384 }

```



```

4385
4386 \bidi@patchcmd{\getanddefine@fonts}{%
4387   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4388 }{%
4389   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4390 }{}{}
4391
4392 \bidi@patchcmd{\getanddefine@fonts}{%
4393   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4394 }{%
4395   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4396 }{}{}
4397
4398 \bidi@patchcmd{\getanddefine@fonts}{%
4399   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4400 }{%
4401   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4402 }{}{}
4403
4404
4405 \ifxepersian@@computeautoilg
4406 \bidi@patchcmd{\set@fontsize}{%
4407 \baselineskip\f@baselineskip\relax
4408 }{%
4409 \baselineskip\f@baselineskip\relax
4410 \xepersian@computeautoilg
4411 \ifdim\xepersian@strutilg>\baselineskip
4412 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4413 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4414 \baselineskip\xepersian@strutilg
4415 \ifdim\footnotesep=.7\baselineskip
4416 \else
4417 \footnotesep=.7\baselineskip
4418 \fi
4419 \fi
4420 }{}{}
4421 \fi
4422
4423 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4424 \PersianAlphs

```

62 File xepersian-magazine.cls

```

4425 \NeedsTeXFormat{LaTeX2e}
4426 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4427 \RequirePackage{ifthen}
4428 \newlength{\xepersian@imgsize}
4429 \newlength{\xepersian@coltitsize}
4430 \newlength{\xepersian@pageneed}
4431 \newlength{\xepersian@pageleft}
4432 \newlength{\xepersian@indexwidth}
4433 \newcommand{\xepersian@ncolumns}{0}
4434 \newlength{\columnlines}
4435 \setlength{\columnlines}{0 pt} % no lines by default

```




```

4436 \newboolean{xepersian@hyphenatedtitles}
4437 \setboolean{xepersian@hyphenatedtitles}{true}
4438 \newboolean{xepersian@ninepoints}
4439 \setboolean{xepersian@ninepoints}{false}
4440 \newboolean{xepersian@showgrid}
4441 \setboolean{xepersian@showgrid}{false}
4442 \newboolean{xepersian@a3paper}
4443 \setboolean{xepersian@a3paper}{false}
4444 \newboolean{xepersian@insidefrontpage}
4445 \setboolean{xepersian@insidefrontpage}{false}
4446 \newboolean{xepersian@insideweather}
4447 \setboolean{xepersian@insideweather}{false}
4448 \newboolean{xepersian@insideindex}
4449 \setboolean{xepersian@insideindex}{false}
4450 \newcount\xepersian@gridrows
4451 \newcount\xepersian@gridcolumns
4452 \xepersian@gridrows=40
4453 \xepersian@gridcolumns=50
4454 \newcount\minraggedcols
4455 \minraggedcols=5
4456 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4457 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4458 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4459 \DeclareOption{twocolumn}%
4460 { \ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4461 \DeclareOption{notitlepage}%
4462 { \ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4463 \DeclareOption{twoside}%
4464 { \ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4465 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4466 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4467 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4468 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4469 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4470 \ProcessOptions\relax
4471 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4472 \RequirePackage{ifxetex}
4473 \RequirePackage{multido}
4474 \RequirePackage{datetime}
4475 \RequirePackage{multicol}
4476 \RequirePackage{fancyhdr}
4477 \RequirePackage{fancybox}
4478 \ifthenelse{\boolean{xepersian@a3paper}}{%
4479 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4480 }{
4481 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4482 }
4483 \RequirePackage[absolute]{textpos} % absolute positioning
4484 \RequirePackage{hyphenat} % when hyphenate
4485 \RequirePackage{lastpage} % to know the last page number
4486 \RequirePackage{setspace} % set space between lines
4487 \RequirePackage{ragged2e}
4488 \newcommand{\raggedFormat}{\RaggedLeft}
4489 \AtEndOfClass{\xepersianInit}

```



```

4490 \ifthenelse{\boolean{xepersian@showgrid}}{%
4491 \AtBeginDocument{
4492 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4493 \advance\minraggedcols by -1
4494 }{%
4495 \AtBeginDocument{
4496 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4497 \advance\minraggedcols by -1
4498 }
4499 \ifthenelse{\boolean{xepersian@ninepoints}}{
4500 \renewcommand{\normalsize}{%
4501 \setfontsize{\normalsize}{9pt}{10pt}%
4502 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4503 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4504 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4505 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4506
4507 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4508
4509 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4510
4511 \renewcommand{\small}{%
4512 \setfontsize{\small}{8pt}{9pt}%
4513 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4514 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4515 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4516 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4517
4518 \renewcommand{\footnotesize}{%
4519 \setfontsize{\footnotesize}{8pt}{9pt}%
4520 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4521 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4522 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4523 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4524
4525 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4526 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4527 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4528 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4529 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4530 }{}
4531 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4532 \newcommand{\xepersian@wwwFormat}{\sfamily}
4533 \newcommand{\xepersian@www}{%
4534 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4535 }
4536 \newcommand{\xepersian@edition}{
4537 \newcommand{\editionFormat}{\large\bfseries\texttt}
4538 \newcommand{\xepersian@editionLogo}{%
4539 \raisebox{-3pt}{%
4540 {\editionFormat\xepersian@edition}%
4541 }%
4542 }
4543 \newcommand{\indexFormat}{\large\bfseries}

```



```

4544 \newcommand{\xepersian@indexFrameTitle}[1]
4545 {\begin{flushright}}{\indexFormat #1}}\end{flushright}}
4546
4547 \newcommand{\indexEntryFormat}{\normalsize}
4548 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4549 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4550 \end{minipage}}
4551 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4552 \newcommand{\indexEntryPageTxt}{ }
4553 \newcommand{\indexEntryPageFormat}{\footnotesize}
4554 \newcommand{\xepersian@indexEntryPage}[1]{%
4555 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4556 }
4557 \newcommand{\headDateTimeFormat}{}
4558 \newcommand{\xepersian@headDateTime}{%
4559 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4560 \currenttime %
4561 }
4562 \newcommand{\weatherFormat}{\bfseries}
4563 \newcommand{\xepersian@weather}[1]{%
4564 \noindent{\weatherFormat #1}%
4565 }
4566 \newcommand{\weatherTempFormat}{\small}
4567 \newcommand{\weatherUnits}{\textdegree{ }C}
4568 \newcommand{\xepersian@section}[0]{ {
4569 \newcommand{\xepersian@headleft}{%
4570 {\small\bfseries \@custommagazinename} \date
4571 }
4572 \newcommand{\xepersian@headcenter}{%
4573 \xepersian@section{}
4574 }
4575 \newcommand{\xepersian@headright}{%
4576 \small\xepersian@edition%
4577 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4578 }
4579
4580 \newcommand{\heading}[3]{%
4581 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4582 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4583 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4584 }
4585 \newcommand{\xepersian@footright}{%
4586 {\footnotesize\lr{\copyright\ \@customwwwTxt}}-- - \lr{\XePersian}}%
4587 }
4588 \newcommand{\xepersian@footcenter}{%
4589 }
4590 \newcommand{\xepersian@footleft}{%
4591 }
4592
4593 \newcommand{\foot}[3]{%
4594 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4595 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4596 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4597 }

```



```

4598 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4599 \newcommand{\xepersian@firstTitle}[1]{%
4600 {%
4601 \begin{spacing}{2.0}{%
4602 \noindent\ignorespaces
4603 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4604 {\nohyphens{\firstTitleFormat #1}}%
4605 {\firstTitleFormat #1}}%
4606 }%
4607 \end{spacing}%
4608 }%
4609 }
4610 \newcommand{\firstTextFormat}{%
4611 \newcommand{\xepersian@firstText}[1]{%
4612 {\noindent\ignorespaces\firstTextFormat #1}%
4613 }
4614 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4615 \newcommand{\xepersian@secondTitle}[1]{%
4616 \begin{spacing}{1.5}{%
4617 \noindent\ignorespaces\flushright
4618 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4619 {\nohyphens{\secondTitleFormat #1}}%
4620 {\secondTitleFormat #1}}%
4621 }\end{spacing}%
4622 }
4623 \newcommand{\secondSubtitleFormat}{\large}
4624 \newcommand{\xepersian@secondSubtitle}[1]{%
4625 {\noindent\ignorespaces\secondSubtitleFormat #1}%
4626 }
4627 \newcommand{\secondTextFormat}{%
4628 \newcommand{\xepersian@secondText}[1]{%
4629 \begin{multicols}{2}
4630 {\noindent\ignorespaces\secondTextFormat #1}
4631 \end{multicols}
4632 }
4633 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4634 \newcommand{\xepersian@thirdTitle}[1]{%
4635 \begin{spacing}{1.5}{%
4636 \noindent\ignorespaces\flushright
4637 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4638 {\nohyphens{\thirdTitleFormat #1}}%
4639 {\thirdTitleFormat #1}}%
4640 }\end{spacing}%
4641 }
4642 \newcommand{\thirdSubtitleFormat}{\large}
4643 \newcommand{\xepersian@thirdSubtitle}[1]{%
4644 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4645 \newcommand{\thirdTextFormat}{%
4646 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4647 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4648 \newcommand{\xepersian@pictureCaption}[1]{%
4649 {\noindent\pictureCaptionFormat #1}%
4650 }
4651 \newcommand{\pagesFormat}{\bfseries\footnotesize}

```



```

4652 \newcommand{\xepersian@pages}[1]%
4653 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4654 \newcommand{\innerTitleFormat}{\Huge}
4655 \newcommand{\xepersian@innerTitle}[1]{%
4656 \begin{flushright}{%
4657 \noindent
4658 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4659 {\nohyphens{\innerTitleFormat #1}}%
4660 {\innerTitleFormat #1}}%
4661 }%
4662 \\\%
4663 \end{flushright}%
4664 }
4665 \newcommand{\innerSubtitleFormat}{\large}
4666 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
4667 \newcommand{\timestampTxt}{}
4668 \newcommand{\timestampSeparator}{|}
4669 \newcommand{\timestampFormat}{\small}
4670 \newcommand{\timestamp}[1]{%
4671 {\timestampFormat%
4672 #1~\timestampTxt}%
4673 }~\timestampSeparator}%
4674 }
4675 \newcommand{\innerAuthorFormat}{\footnotesize}
4676 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4677 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4678 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4679 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4680 \newcommand{\editorialAuthorFormat}{\textsc}
4681 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4682 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
4683 \newcommand{\shortarticleSubtitleFormat}{\Large}
4684 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
4685 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4686 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
4687 \renewcommand{\maketitle}{\begin{titlepage}%
4688 \let\footnotesize\small
4689 \let\footnoterule\relax
4690 \let \footnote \thanks
4691 \null\vfil
4692 \vskip 60\p@
4693 \begin{center}%
4694 {\LARGE \@title \par}%
4695 \vskip 1em%
4696 {\LARGE «\xepersian@edition» \par}%
4697 \vskip 3em%
4698 {\large
4699 \lineskip .75em%
4700 \begin{tabular}[t]{c}%
4701 \@author
4702 \end{tabular}\par}%
4703 \vskip 1.5em%
4704 {\large \@date \par}%
4705 \end{center}\par

```



```

4706 \@thanks
4707 \vfil\null
4708 \end{titlepage}%
4709 \setcounter{footnote}{0}%
4710 \global\let\thanks\relax
4711 \global\let\maketitle\relax
4712 \global\let\@thanks\@empty
4713 \global\let\@author\@empty
4714 \global\let\@date\@empty
4715 \global\let\@title\@empty
4716 \global\let\title\relax
4717 \global\let\author\relax
4718 \global\let\date\relax
4719 \global\let\and\relax
4720 }
4721 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4722 \newsavebox{\xepersian@fmbox}
4723 \newenvironment{xepersian@fmpage}[1]
4724 { \begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4725 { \end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4726 \newcommand{\image}[2]{
4727 \vspace{5pt}
4728 \setlength{\fboxsep}{1pt}
4729 \addtolength{\xepersian@imgsize}{\columnwidth}
4730 \addtolength{\xepersian@imgsize}{-1\columnsep}
4731 \ifxetex
4732 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4733 \addtolength{\xepersian@pageneed}{50pt}
4734 \ClassWarning{xepersian-magazine}{%
4735 Image #1 needs: \the\xepersian@pageneed \space %
4736 and there is left: \the\page@free\space%
4737 }
4738 \ifdim \xepersian@pageneed < \page@free
4739
4740 {\centering\fbox{%
4741 \includegraphics[width = \xepersian@imgsize,
4742 height = \xepersian@imgsize,
4743 keepaspectratio ]{#1}}}
4744 \xepersian@pictureCaption{#2}
4745
4746 \vspace{5pt}
4747 \else
4748 \ClassWarning{Image #1 needs more space!%
4749 It was not inserted!}
4750 \fi
4751 \fi
4752 }
4753 \textblockorigin{1cm}{1cm}
4754 \newdimen\xepersian@dx
4755 \newdimen\xepersian@dy
4756 \newcount\xepersian@cx
4757 \newcount\xepersian@cy
4758 \newcommand{\grid}[3][ ]{
4759 \xepersian@dx=\textwidth%

```



```

4760 \xepersian@dy=\textheight%
4761 \xepersian@cx=#3% %columns
4762 \xepersian@cy=#2% %rows
4763
4764 \count1=#3%
4765 \advance\count1 by 1
4766
4767 \count2=#2%
4768 \advance\count2 by 1
4769
4770 \divide\xepersian@dx by #3
4771 \divide\xepersian@dy by #2
4772
4773 \setlength{\TPHorizModule}{\xepersian@dx}
4774 \setlength{\TPVertModule}{\xepersian@dy}
4775
4776 \ifthenelse{\equal{#1}{show}}{
4777 \multido{\xepersian@nrow=0+1}{\count2}{
4778 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4779 \rule[0pt]{\textwidth}{.1pt}
4780 \end{textblock}
4781 }
4782
4783 \multido{\xepersian@ncol=0+1}{\count1}{
4784 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4785 \rule[0pt]{.1pt}{\textheight}
4786 \end{textblock}
4787 }
4788 }{}
4789 }
4790 \newcommand{\xepersianInit}{
4791 \setlength{\headheight}{14pt}
4792 \renewcommand{\headrulewidth}{0.4pt}
4793
4794 \pagestyle{fancy}
4795
4796 \setlength{\columnseprule}{\columnlines}
4797 \setlength{\fboxrule}{0.1 pt}
4798
4799 }
4800
4801 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4802 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4803 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
4804 \newcommand{\logo}[0]{
4805 %% Heading %%
4806 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4807
4808 \vspace*{-3pt}
4809
4810 {\Large\bfseries \@customlogo}
4811 \hrulefill
4812 \hspace{10pt}\xepersian@headDateTime
4813

```



```

4814 }
4815 \newcommand{\minilogo}[0]{
4816 {\large\bfseries \@customminilogo}
4817
4818 \vspace*{5pt}
4819 }
4820 \newcommand{\mylogo}[1]{
4821 {\beginR#1\endR}
4822
4823 \noindent
4824 \xepersian@editionLogo\hspace{5pt}
4825 \hrulefill
4826 \hspace{5pt}\xepersian@headDateTime
4827 }
4828 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4829 \newenvironment{frontpage}[0]
4830 {
4831 \setboolean{xepersian@insidefrontpage}{true}
4832 \thispagestyle{empty}
4833 \logo
4834
4835 }%
4836 {
4837 \thispagestyle{empty}
4838 \clearpage
4839 \newpage
4840 \fancyhead{}
4841 \fancyfoot{}
4842 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4843 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4844 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4845 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4846 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4847 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4848 \renewcommand{\headrulewidth}{0.4pt}
4849 \setboolean{xepersian@insidefrontpage}{false}
4850
4851 }
4852 \newcommand{\firstarticle}[3]
4853 {
4854 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4855 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4856 \begin{textblock}{24}(22,5)
4857 }
4858 {
4859 \begin{textblock}{28}(22,5)
4860 }
4861 \vspace{-7pt}
4862 \xepersian@firstTitle{#1}
4863 \end{textblock}
4864 \begin{textblock}{29}(22,10)
4865 \vspace{5pt plus 2pt minus 2pt}
4866
4867 \xepersian@firstText{\timestamp{#3}~#2}

```




```

4868
4869 \end{textblock}
4870
4871 \begin{textblock}{50}(0,15)
4872 \rule{50\TPHorizModule}{.3pt}
4873 \end{textblock}
4874 }{%else
4875 \ClassError{xepersian-magazine}{%
4876 \protect\firstarticle\space in a wrong place.\MessageBreak
4877 \protect\firstarticle\space may only appear inside frontpage environment.
4878 }{%
4879 \protect\firstarticle\space may only appear inside frontpage environment.
4880 }%
4881 }
4882 }
4883 \newcommand{\secondarticle}[5]
4884 {
4885 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4886 \begin{textblock}{33}(2,16)
4887 \xepersian@pages{#4}
4888 \vspace{-5pt}
4889 \xepersian@secondTitle{#1}
4890
4891 \vspace*{5pt}
4892
4893 \xepersian@secondSubtitle{#2}
4894
4895 \vspace*{-7pt}
4896
4897 \xepersian@secondText{\timestamp{#5}~#3}
4898
4899 \end{textblock}
4900
4901 \begin{textblock}{33}(2,25)
4902 \vspace{5pt plus 2pt minus 2pt}
4903
4904 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4905 \end{textblock}
4906 }{%else
4907 \ClassError{xepersian-magazine}{%
4908 \protect\secondarticle\space in a wrong place.\MessageBreak
4909 \protect\secondarticle\space may only appear inside frontpage environment.
4910 }{%
4911 \protect\secondarticle\space may only appear inside frontpage environment.
4912 }%
4913 }
4914 }
4915 \newcommand{\thirdarticle}[6]
4916 {
4917 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4918 \begin{textblock}{32}(2,26)
4919 \xepersian@pages{#5}
4920 \vspace{-5pt}
4921 \setlength{\fboxsep}{1pt}

```



```

4922 \xepersian@thirdTitle{#1}
4923
4924 \vspace*{5pt}
4925
4926 \xepersian@thirdSubtitle{#2}
4927
4928 \vspace*{5pt}
4929
4930 {\noindent\ignorespaces %
4931 \ifthenelse{\equal{#4}{}}{}}
4932
4933 \xepersian@thirdText{\timestamp{#6}~#3}
4934
4935 }
4936
4937 \vspace*{5pt}
4938
4939 \end{textblock}
4940 }{%else
4941 \ClassError{xepersian-magazine}{%
4942 \protect\thirdarticle\space in a wrong place.\MessageBreak
4943 \protect\thirdarticle\space may only appear inside frontpage environment.
4944 }{%
4945 \protect\thirdarticle\space may only appear inside frontpage environment.
4946 }%
4947 }
4948 }
4949 \newcommand{\firstimage}[2]
4950 {
4951 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4952 \begin{textblock}{18}(2,5)
4953 \setlength{\fboxsep}{1pt}
4954 \ifxetex % only in PDF
4955 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4956 \fi
4957
4958 \xepersian@pictureCaption{#2}
4959 \end{textblock}}%
4960 }
4961 {\ClassError{xepersian-magazine}{%
4962 \protect\firstimage\space in a wrong place.\MessageBreak
4963 \protect\firstimage\space may only appear inside frontpage environment.
4964 }{%
4965 \protect\firstimage\space may only appear inside frontpage environment.
4966 }}
4967 }%
4968 \newcommand{\weatheritem}[5]{%
4969 \ifthenelse{\boolean{xepersian@insideweather}}{
4970 \begin{minipage}{45pt}
4971 \ifxetex
4972 \includegraphics[width=40pt]{#1}
4973 \fi
4974 \end{minipage}
4975 \begin{minipage}{50pt}

```



```

4976 \weatherTempFormat
4977 #2\\
4978 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4979 #5
4980 \end{minipage}
4981 }{%else
4982 \ClassError{xepersian-magazine}{%
4983 \protect\weatheritem\space in a wrong place.\MessageBreak
4984 \protect\weatheritem\space may only appear inside weatherblock environment.
4985 }{%
4986 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4987 weatherblock environment may only appear inside frontpage environment.
4988 }%
4989 }
4990 }
4991 \newenvironment{weatherblock}[1]
4992 {
4993 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4994 \setboolean{xepersian@insideweather}{true}
4995 \begin{textblock}{32}(2,38)
4996 \vspace*{-15pt}
4997
4998 \xepersian@weather{\beginR#1\endR}
4999
5000 \vspace*{5pt}
5001
5002 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5003 \begin{minipage}{32\TPHorizModule}
5004 \hspace{5pt}
5005
5006 }{%
5007 \ClassError{xepersian-magazine}{%
5008 weatherblock in a wrong place.\MessageBreak
5009 weatherblock may only appear inside frontpage environment.
5010 }{%
5011 weatherblock may only appear inside frontpage environment.
5012 }
5013 }
5014 }%
5015 {
5016 \end{minipage}
5017 \end{xepersian@fmpage}
5018 \end{textblock}
5019 \setboolean{xepersian@insideweather}{false}
5020 }
5021 \newenvironment{authorblock}[0]
5022 {
5023 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5024 \begin{textblock}{15}(36,35)
5025 \setlength{\fboxsep}{5pt}
5026 \begin{xepersian@fmpage}{13\TPHorizModule}
5027 \begin{minipage}{13\TPHorizModule}
5028 \centering
5029 \minilogo

```



```

5030
5031 }{%else
5032 \ClassError{xepersian-magazine}{%
5033 authorblock in a wrong place.\MessageBreak
5034 authorblock may only appear inside frontpage environment.
5035 }{%
5036 authorblock may only appear inside frontpage environment.
5037 }
5038 }
5039 }
5040 {
5041 \end{minipage}
5042 \end{xepersian@fmpage}
5043 \end{textblock}
5044 }
5045 \newenvironment{indexblock}[1]
5046 {
5047 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5048 \setboolean{xepersian@insideindex}{true}%let's in
5049 \begin{textblock}{15}(36,16)
5050 \setlength{xepersian@indexwidth}{13\TPHorizModule}
5051 \xepersian@indexFrameTitle{#1}
5052
5053 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
5054 \begin{xepersian@fmpage}{xepersian@indexwidth}
5055 \begin{minipage}{xepersian@indexwidth}
5056 \vspace*{10pt}
5057 }{%else
5058 \ClassError{xepersian-magazine}{%
5059 indexblock in a wrong place.\MessageBreak
5060 indexblock may only appear inside frontpage environment.
5061 }{%
5062 indexblock may only appear inside frontpage environment.
5063 }
5064 }
5065 }%
5066 {
5067 \end{minipage}
5068 \end{xepersian@fmpage}
5069 \end{textblock}
5070 \setboolean{xepersian@insideindex}{false}%let's out
5071 }
5072 \newcommand{\indexitem}[2]
5073 {
5074 \ifthenelse{\boolean{xepersian@insideindex}}{
5075 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5076
5077 \vspace{0.5cm}
5078
5079 \noindent\ignorespaces\indexEntrySeparator{}
5080 }{%else
5081 \ClassError{xepersian-magazine}{%
5082 \protect\indexitem\space in a wrong place.\MessageBreak
5083 \protect\indexitem\space may only appear inside indexblock environment.

```



```

5084 }{%
5085 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5086 indexblock environment may only appear inside frontpage environment.
5087 }%
5088 }
5089 }
5090 \newcommand{\xepersian@inexpandedtitle}[1]{
5091 \begin{minipage}{.95\textwidth}
5092 \begin{center}
5093 \noindent\Large\textbf{\beginR#1\endR}
5094 \end{center}
5095 \end{minipage}
5096 }
5097 \newcommand{\expandedtitle}[2]{
5098 \end{multicols}
5099
5100 \begin{center}
5101 \setlength{\fboxsep}{5pt}
5102 \setlength{\shadowsize}{2pt}
5103 \ifthenelse{\equal{#1}{shadowbox}}{%
5104 \shadowbox{%
5105 \xepersian@inexpandedtitle{#2}%
5106 }%
5107 }{
5108 \ifthenelse{\equal{#1}{doublebox}}{%
5109 \doublebox{%
5110 \xepersian@inexpandedtitle{#2}%
5111 }%
5112 }{
5113 \ifthenelse{\equal{#1}{ovalbox}}{%
5114 \ovalbox{%
5115 \xepersian@inexpandedtitle{#2}%
5116 }%
5117 }{
5118 \ifthenelse{\equal{#1}{Ovalbox}}{%
5119 \Ovalbox{%
5120 \xepersian@inexpandedtitle{#2}%
5121 }%
5122 }{
5123 \ifthenelse{\equal{#1}{lines}}{
5124 \hrule
5125 \vspace*{8pt}
5126 \begin{center}
5127 \noindent\Large\textbf{#2}
5128 \end{center}
5129 \vspace*{8pt}
5130 \hrule
5131 }{
5132 \end{center}
5133
5134 \begin{multicols}{\xepersian@ncolumns}}
5135 \ifnum \xepersian@ncolumns > \minraggedcols
5136 \raggedFormat
5137 \fi

```



```

5138 }
5139 \newcommand{\xepersian@incolumntitle}[2]{
5140 \begin{minipage}{#1}
5141 \begin{center}
5142 \noindent\normalsize\textbf{#2}
5143 \end{center}
5144 \end{minipage}
5145 }
5146
5147 \newcommand{\columntitle}[2]{
5148 \vspace*{5pt}
5149 \begin{center}
5150 \setlength{\fboxsep}{5pt}
5151 \setlength{\shadowsize}{2pt}
5152 \addtolength{\xepersian@coltitsize}{\columnwidth}
5153 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5154 \addtolength{\xepersian@coltitsize}{-5pt}
5155 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5156 \ifthenelse{\equal{#1}{shadowbox}}{%
5157 \shadowbox{%
5158 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5159 }%
5160 }{
5161 \ifthenelse{\equal{#1}{doublebox}}{%
5162 \doublebox{%
5163 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5164 }%
5165 }{
5166 \ifthenelse{\equal{#1}{ovalbox}}{%
5167 \ovalbox{%
5168 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5169 }%
5170 }{
5171 \ifthenelse{\equal{#1}{Ovalbox}}{%
5172 \Ovalbox{%
5173 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5174 }%
5175 }{
5176 \ifthenelse{\equal{#1}{lines}}{
5177 \hrule
5178 \vspace*{5pt}
5179 \begin{center}
5180 \noindent\normalsize\textbf{#2}
5181 \end{center}
5182 \vspace*{5pt}
5183 \hrule
5184 }{
5185 \end{center}
5186 }
5187 \renewcommand{\date}{%
5188 \longdate{\today}%
5189 }
5190 \newcommand{\authorandplace}[2]{%
5191 \rightline{%

```



```

5192 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5193 }%
5194 \par %
5195 }
5196 \newcommand{\newsection}[1]{
5197 \renewcommand{\xepersian@section}{#1}
5198 }
5199 \newenvironment{article}[5]
5200 {
5201 \xepersian@say{Adding a new piece of article}
5202 \renewcommand{\xepersian@ncolumns}{#1}
5203 \begin{multicols}{#1}[
5204 \xepersian@pages{#4}
5205 \xepersian@innerTitle{#2}%
5206 \xepersian@innerSubtitle{#3}%
5207 ] [4cm]%
5208 \label{#5}
5209 \ifnum #1 > \minraggedcols
5210 \raggedFormat
5211 \fi
5212 }
5213 {\sim\innerTextFinalMark{}
5214 \end{multicols}
5215 }
5216 \newcommand{\articlesep}{%
5217 \setlength{\xepersian@pageneed}{16000pt}
5218 \setlength{\xepersian@pageleft}{\pagegoal}
5219 \addtolength{\xepersian@pageleft}{-\pagetotal}
5220
5221 \xepersian@say{How much left \the\xepersian@pageleft}
5222
5223 \ifdim \xepersian@pageneed < \xepersian@pageleft
5224 \xepersian@say{Not enough space}
5225 \else
5226 \xepersian@say{Adding sep line between articles}
5227 \vspace*{10pt plus 10pt minus 5pt}
5228 \hrule
5229 \vspace*{10pt plus 5pt minus 5pt}
5230 \fi
5231
5232 }
5233 \newcommand{\xepersian@editorialTit}[2]{
5234 \setlength{\arrayrulewidth}{.1pt}
5235 \begin{center}
5236 \begin{tabular}{c}
5237 \noindent
5238 \xepersian@editorialTitle{#1}
5239 \vspace{2pt plus 1pt minus 1pt}
5240 \\
5241 \hline
5242 \vspace{2pt plus 1pt minus 1pt}
5243 \\
5244 \editorialAuthorFormat{#2}
5245 \end{tabular}

```



```

5246 \end{center}
5247 }
5248 \newenvironment{editorial}[4]
5249 {
5250 \xepersian@say{Adding a new editorial}
5251 \begin{multicols}{#1}[%
5252 \xepersian@editorialTit{#2}{#3}%
5253 ] [4cm]
5254 \label{#4}
5255 \ifnum #1 > \minraggedcols
5256 \raggedFormat
5257 \fi
5258 }
5259 {
5260 \end{multicols}
5261 }
5262 \newcommand{\xepersian@shortarticleTit}[2]{
5263 \begin{center}
5264 \vbox{%
5265 \noindent
5266 \xepersian@shortarticleTitle{#1}
5267 \vspace{4pt plus 2pt minus 2pt}
5268 \hrule
5269 \vspace{4pt plus 2pt minus 2pt}
5270 \xepersian@shortarticleSubtitle{#2}
5271 }
5272 \end{center}
5273 }
5274 \newenvironment{shortarticle}[4]
5275 {
5276 \xepersian@say{Adding a short article block}
5277 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5278 \label{#4}
5279 \par %
5280 \ifnum #1 > \minraggedcols
5281 \raggedFormat
5282 \fi
5283 }
5284 {
5285 \end{multicols}
5286 }
5287 \newcommand{\shortarticleitem}[2]{
5288 \goodbreak
5289 \vspace{5pt plus 3pt minus 3pt}
5290 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}%
5291 \vspace{5pt plus 3pt minus 3pt}
5292 {\noindent #2}\\
5293 }

```

63 File xepersian-mathdigitspec.sty

```

5294 \NeedsTeXFormat{LaTeX2e}
5295 \ProvidesPackage{xepersian-mathdigitspec}
5296 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]

```




```

5297 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5298 \let\newfam\new@mathgroup
5299 \def\select@group#1#2#3#4{%
5300   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5301   {%
5302     \ifmmode
5303       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5304         \begingroup
5305         \escapechar\m@ne
5306         \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5307         \globaldefs\@ne \math@fonts
5308         \endgroup
5309         \init@restore@version
5310         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5311           {\number\csname c@mv@\math@version\endcsname}}}%
5312         \global\advance\csname c@mv@\math@version\endcsname\@ne
5313       \else
5314         \let#1\relax
5315         \@latex@error{Too many math alphabets used in
5316           version \math@version}%
5317         \@eha
5318       \fi
5319     \else \expandafter\non@alpherr\fi
5320     #1{#4}%
5321   }%
5322 }
5323 \def\document@select@group#1#2#3#4{%
5324   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5325   {%
5326     \ifmmode
5327       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5328         \begingroup
5329         \escapechar\m@ne
5330         \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5331         \globaldefs\@ne \math@fonts
5332         \endgroup
5333         \expandafter\extract@alph@from@version
5334         \csname mv@\math@version\expandafter\endcsname
5335         \expandafter{\number\csname
5336           c@mv@\math@version\endcsname}%
5337         #1%
5338         \global\advance\csname c@mv@\math@version\endcsname\@ne
5339       \else
5340         \let#1\relax
5341         \@latex@error{Too many math alphabets used
5342           in version \math@version}%
5343         \@eha
5344       \fi
5345     \else \expandafter\non@alpherr\fi
5346     #1{#4}%
5347   }%
5348 }
5349 \ExplSyntaxOn
5350 \bool_set_false:N \g__fontspec_math_bool

```



```

5351 \tl_map_inline:nn
5352 {
5353   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5354   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5355   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5356   \version@list\version@elt\alpha@list\alpha@elt
5357   \restore@mathversion\init@restore@version\dorestore@version\process@table
5358   \new@mathversion\DeclareSymbolFont\group@list\group@elt
5359   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5360   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5361   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5362   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5363   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5364   \set@mathdelimiter\DeclareMathRadical\mathchar@type
5365   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5366 }
5367 {
5368   \tl_remove_once:Nn \@preamblecmds {\do#1}
5369 }
5370 \ExplSyntaxOff
5371 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5372 \newcommand\SetMathCode[4]{%
5373   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5374 \newcommand\SetMathCharDef[4]{%
5375   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5376 \ExplSyntaxOn
5377 \cs_new_eq:NN \orig_mathbf:n \mathbf
5378 \cs_new_eq:NN \orig_mathit:n \mathit
5379 \cs_new_eq:NN \orig_mathrm:n \mathrm
5380 \cs_new_eq:NN \orig_mathsf:n \mathsf
5381 \cs_new_eq:NN \orig_mathtt:n \mathtt
5382 %\int_const:Nn \c_one_int { 1 }
5383 \NewDocumentCommand \new@mathbf { m } {
5384   \orig_mathbf:n {
5385     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5386       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5387     }
5388     #1
5389   }
5390 }
5391 \NewDocumentCommand \new@mathit { m } {
5392   \orig_mathit:n {
5393     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5394       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5395     }
5396     #1
5397   }
5398 }
5399 \NewDocumentCommand \new@mathrm { m } {
5400   \orig_mathrm:n {
5401     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5402       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5403     }
5404     #1

```



```

5405 }
5406 }
5407 \NewDocumentCommand \new@mathsf{ m } {
5408   \orig_mathsf:n {
5409     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5410       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5411     }
5412     #1
5413   }
5414 }
5415 \NewDocumentCommand \new@mathtt{ m } {
5416   \orig_mathtt:n {
5417     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5418       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5419     }
5420     #1
5421   }
5422 }
5423
5424 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigitsspec}
5425 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5426 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5427 \char_set_catcode_space:n {32}
5428 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5429 {
5430   The font "#1" does not contain U+#2.
5431 }
5432 {
5433   Select another font and rerun xelatex.
5434 }
5435 \char_set_catcode_ignore:n {32}
5436
5437 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5438 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5439 {
5440   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5441   \prg_return_true:
5442   \else:
5443     \prg_return_false:
5444   \fi:
5445 }
5446
5447 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5448
5449 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5450 {
5451   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5452   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5453     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdigitsspec
5454   }
5455 }
5456
5457 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5458 {

```



```

5459 \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5460 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5461   \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5462 }
5463 }
5464
5465 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5466 {
5467   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5468   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5469     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5470   }
5471 }
5472
5473 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5474 {
5475   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5476     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5477     06F9 , 066A , 066B
5478   } { #1 }
5479 }
5480
5481 \DeclareDocumentCommand \setmathdigitfont { 0{ } m 0{ } }
5482 {
5483   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5484 }
5485 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5486 {
5487   \let\glb@currsizel\relax
5488   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5489   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5490   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5491   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5492   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5493   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5494   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5495   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5496   \def\persianmathdigits{%
5497     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5498     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5499     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5500     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5501     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5502     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5503     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5504     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5505     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5506     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5507     \SetMathCode{`%}{\mathbin}{OPERATORS}{` }
5508     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5509     \tl_set_eq:NN \mathbf \new@mathbf
5510     \tl_set_eq:NN \mathit \new@mathit
5511     \tl_set_eq:NN \mathrm \new@mathrm
5512 }

```



```

5513
5514 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5515
5516 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5517 {
5518   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5519 }
5520 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5521 {
5522   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5523   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5524   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5525   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5526   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5527 }
5528
5529 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5530
5531 \DeclareDocumentCommand \setmathtttdigitfont { 0{} m 0{} }
5532 {
5533   \__xepersian_main_setmathtttdigitfont:nn {#1,#3} {#2}
5534 }
5535 \cs_new:Nn \__xepersian_main_setmathtttdigitfont:nn
5536 {
5537   \fontspec_set_family:Nnn \g__xepersian_mathtttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5538   \__xepersian_setmathtttdigitfont_hook:nn {#1} {#2}
5539   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5540   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5541   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5542 }
5543
5544 \cs_set_eq:NN \__xepersian_setmathtttdigitfont_hook:nn \use_none:nn
5545
5546 \ExplSyntaxOff
5547 \mathchardef\decimalseparator@point="013A
5548 %{\%
5549 % \catcode`\.=\active
5550 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5551 \bgroup
5552 \uccode`~`.\.%
5553 \uppercase{%
5554 \egroup
5555 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5556 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}
5557 \def\decimalseparator@check#1#2{%
5558   \ifx\@let@token1\endgroup#1\else
5559     \ifx\@let@token2\endgroup#1\else
5560       \ifx\@let@token3\endgroup#1\else
5561         \ifx\@let@token4\endgroup#1\else
5562           \ifx\@let@token5\endgroup#1\else
5563             \ifx\@let@token6\endgroup#1\else
5564               \ifx\@let@token7\endgroup#1\else
5565                 \ifx\@let@token8\endgroup#1\else
5566                   \ifx\@let@token9\endgroup#1\else

```



```

5567             \ifx\@let@token0\endgroup#1\else
5568             \ifx\@let@token\dot\endgroup#1\else
5569             \ifx\@let@token\overline\endgroup#1\else
5570             \endgroup#2%
5571         \fi
5572     \fi
5573 \fi
5574 \fi
5575 \fi
5576 \fi
5577 \fi
5578 \fi
5579 \fi
5580 \fi
5581 \fi
5582 \fi}
5583 \mathcode`.="8000\relax
5584 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5585 \def\DefaultMathDecimalSeparator{.}
5586 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5587 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5588 \def\DefaultMathDigits{%
5589     \DefaultInlineMathDigits%
5590     \DefaultDisplayMathDigits%
5591 }
5592 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5593 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5594 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5595 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5596 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5597 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5598 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5599 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5600 \def\PersianMathDigits{%
5601     \PersianInlineMathDigits%
5602     \PersianDisplayMathDigits%
5603 }
5604 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5605 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5606 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5607 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5608 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5609 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5610 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5611 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5612 \def\AutoMathDigits{%
5613     \AutoInlineMathDigits%
5614     \AutoDisplayMathDigits%
5615 }
5616 \AutoMathDigits
5617 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5618     \let\SetDisplayMathDigits\relax%
5619 }
5620 \everydisplay\expandafter{%

```



```

5621 \the\everydisplay\SetDisplayMathDigits%
5622 \let\SetInlineMathDigits\relax%
5623 }
5624
5625 \ExplSyntaxOn
5626 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5627
5628 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5629 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5630 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5631 }
5632 \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5633 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5634 \tl_set_eq:NN \mathbf \orig_mathbf:n
5635 \tl_set_eq:NN \mathit \orig_mathit:n
5636 \tl_set_eq:NN \mathrm \orig_mathrm:n
5637 \tl_set_eq:NN \mathsf \orig_mathsf:n
5638 \tl_set_eq:NN \mathtt \orig_mathtt:n
5639 }
5640
5641 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5642 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5643 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5644 }
5645 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5646 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5647 \tl_set_eq:NN \mathbf \new@mathbf
5648 \tl_set_eq:NN \mathit \new@mathit
5649 \tl_set_eq:NN \mathrm \new@mathrm
5650 \tl_set_eq:NN \mathsf \new@mathsf
5651 \tl_set_eq:NN \mathtt \new@mathtt
5652 }
5653 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

5654 \NeedsTeXFormat{LaTeX2e}
5655 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5656 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5657 \RequirePackage{pifont}
5658 \RequirePackage{fullpage}
5659 \RequirePackage{ifthen}
5660 \RequirePackage{calc}
5661 \RequirePackage{verbatim}
5662 \RequirePackage{tabularx}
5663 \def\@headerfont{\bfseries}
5664 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5665 \def\@X{X}
5666 \newcommand\X[1]{\gdef\@X{#1}}
5667 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5668 \newcolumntype{D}{>{\pbs\centering}X}
5669 \newcolumntype{Q}{>{\@headerfont}X}
5670
5671 \renewcommand\tabularxcolumn[1]{m{#1}}

```



```

5672 \newcommand\makeform@nocorrection{%
5673   \addtocontents{frm}{\protect\end{tabularx}}
5674   \@starttoc{frm}}
5675 \newcommand\makeform@correction{%
5676   \addtocontents{frm}{\protect\end{tabularx}}}
5677 \newcommand\makemask@nocorrection{%
5678   \addtocontents{msk}{\protect\end{tabularx}}
5679   \@starttoc{msk}}
5680 \newcommand\makemask@correction{%
5681   \addtocontents{msk}{\protect\end{tabularx}}}
5682 \newlength\questionspace
5683 \setlength\questionspace{Opt}
5684 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5685 \def\@answerstitlefont{\bfseries}
5686 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5687 \def\@answernumberfont{\bfseries}
5688 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5689 \newcounter{question}\stepcounter{question}
5690 \newcounter{@choice}
5691 \def\@initiorcheck{%
5692   \xdef\@choices{\the@choice}%
5693   \setcounter{@choice}{1}%
5694   \gdef\@arraydesc{|Q||}%
5695   \gdef\@headerline{%
5696     \whiledo{\not{\value{@choice}>\@choices}}{
5697       \xdef\@arraydesc{\@arraydesc D|}
5698       \def\@appendheader{\g@addto@macro\@headerline}
5699       \@appendheader{&\protect\@headerfont}
5700       \edef\@the@choice{\@alph{@choice}}
5701       \expandafter\@appendheader\@the@choice
5702       \stepcounter{@choice}}%
5703   \addtocontents{frm}{%
5704     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5705     \protect\hline
5706     \@headerline\protect\\\protect\hline\protect\hline}%
5707   \addtocontents{msk}{%
5708     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5709     \protect\hline
5710     \@headerline\protect\\\protect\hline\protect\hline}%
5711   \gdef\@initiorcheck{%
5712     \ifthenelse{\value{@choice} = \@choices}{}%
5713     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5714       (\the@choice\space instead of \@choices)}{%
5715       Questions must all have the same number of proposed answers.%
5716       \MessageBreak
5717       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5718 \newenvironment{question}[1]{%
5719   %% \begin{question}
5720   \begin{minipage}{\textwidth}
5721     \xdef\@formanswerline{\@questionheader}%
5722     \xdef\@maskanswerline{\@questionheader}%
5723     \fbox{\parbox[c]{\linewidth}{#1}}
5724     \vspace\questionspace\par
5725     {\@answerstitlefont\@answerstitle}

```




```

5726 \begin{list}{\@answernumberfont\alph{choice}~}{\usecounter{choice}}{
5727 %% \end{question}
5728 \end{list}
5729 \@initortcheck%
5730 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5731 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5732 \end{minipage}
5733 \stepcounter{question}}
5734 \def\@truesymbol{\ding{52}~}
5735 \def\@falsesymbol{\ding{56}~}
5736 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5737 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5738 \def\@true@nocorrection{\item}
5739 \def\@false@nocorrection{\item}
5740 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5741 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5742 \newcommand\true{%
5743 \xdef\@formanswerline{\@formanswerline&}%
5744 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5745 \@true}%
5746 \newcommand>false{%
5747 \xdef\@formanswerline{\@formanswerline&}%
5748 \xdef\@maskanswerline{\@maskanswerline&}%
5749 \@false}%
5750 \def\@correctionstyle{\itshape}
5751 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5752 \newenvironment{correction}{\@correctionstyle}{
5753 \def\@questionheader{ \thequestion}
5754 \answerstyle{
5755 \DeclareOption{nocorrection}{%
5756 \let\@true\@true@nocorrection
5757 \let\@false\@false@nocorrection
5758 \let\correction\comment
5759 \let\endcorrection\endcomment
5760 \def\makeform{\makeform@nocorrection}
5761 \def\makemask{\makemask@nocorrection}}
5762 \DeclareOption{correction}{%
5763 \let\@true\@true@correction
5764 \let\@false\@false@correction
5765 \let\correction\@correction
5766 \let\endcorrection\end@correction
5767 \def\makeform{\makeform@correction}
5768 \def\makemask{\makemask@correction}}
5769 \ExecuteOptions{nocorrection}
5770 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5771 \def\@questiontitlefont{\bfseries}
5772 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5773 \newlength\questiontitlespace
5774 \setlength\questiontitlespace{5pt}
5775 \newlength\questionsepspace
5776 \setlength\questionsepspace{20pt}
5777 \gdef\@questionsepspace{0pt}
5778 \let\old@question\question
5779 \let\old@endquestion\endquestion

```



```

5780 \renewenvironment{question}[1]{%
5781   %% \begin{question}
5782   \vspace{@questionsepspace}
5783   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5784   \nopagebreak\vspace{questiontitlespace}\par
5785   \old@question{#1}}{%
5786   %% \end{question}
5787   \old@endquestion
5788   \gdef\@questionsepspace{\questionsepspace}}
5789   \questiontitle{ \thequestion:}
5790 \ProcessOptions

```

65 File xepersian-persiancal.sty

```

5791 \NeedsTeXFormat{LaTeX2e}
5792 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5793
5794 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5795 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5796 \newcount\XePersian@latini \newcount\XePersian@persiani
5797 \newcount\XePersian@latinii \newcount\XePersian@persianii
5798 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5799 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5800 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5801 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5802 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5803 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5804 \newcount\XePersian@latinix \newcount\XePersian@persianix
5805 \newcount\XePersian@latinix \newcount\XePersian@persianix
5806 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5807 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5808 \newcount\XePersian@persianxiii
5809
5810 \newcount\XePersian@temp
5811 \newcount\XePersian@temptwo
5812 \newcount\XePersian@temptthree
5813 \newcount\XePersian@yModHundred
5814 \newcount\XePersian@thirtytwo
5815 \newcount\XePersian@dn
5816 \newcount\XePersian@sn
5817 \newcount\XePersian@mminusone
5818
5819
5820 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5821 \XePersian@temp=\XePersian@y
5822 \divide\XePersian@temp by 100\relax
5823 \multiply\XePersian@temp by 100\relax
5824 \XePersian@yModHundred=\XePersian@y
5825 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5826 \ifodd\XePersian@yModHundred
5827   \XePersian@leapfalse
5828 \else
5829   \XePersian@temp=\XePersian@yModHundred
5830   \divide\XePersian@temp by 2\relax

```



```

5831 \ifodd\XePersian@temp\XePersian@leapfalse
5832 \else
5833 \ifnum\XePersian@yModHundred=0%
5834 \XePersian@temp=\XePersian@y
5835 \divide\XePersian@temp by 400\relax
5836 \multiply\XePersian@temp by 400\relax
5837 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5838 \else\XePersian@leaptrue
5839 \fi
5840 \fi
5841 \fi
5842 \XePersian@latini=31\relax
5843 \ifXePersian@leap
5844 \XePersian@latinii = 29\relax
5845 \else
5846 \XePersian@latinii = 28\relax
5847 \fi
5848 \XePersian@latiniii = 31\relax
5849 \XePersian@latiniv = 30\relax
5850 \XePersian@latinv = 31\relax
5851 \XePersian@latinvi = 30\relax
5852 \XePersian@latinvii = 31\relax
5853 \XePersian@latinviii = 31\relax
5854 \XePersian@latinix = 30\relax
5855 \XePersian@latinx = 31\relax
5856 \XePersian@latinxi = 30\relax
5857 \XePersian@latinxii = 31\relax
5858 \XePersian@thirtytwo=32\relax
5859 \XePersian@temp=\XePersian@y
5860 \advance\XePersian@temp by -17\relax
5861 \XePersian@temptwo=\XePersian@temp
5862 \divide\XePersian@temptwo by 33\relax
5863 \multiply\XePersian@temptwo by 33\relax
5864 \advance\XePersian@temp by -\XePersian@temptwo
5865 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5866 \else
5867 \XePersian@temptwo=\XePersian@temp
5868 \divide\XePersian@temptwo by 4\relax
5869 \multiply\XePersian@temptwo by 4\relax
5870 \advance\XePersian@temp by -\XePersian@temptwo
5871 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5872 \fi
5873 \XePersian@tempthree=\XePersian@y % Number of Leap years
5874 \advance\XePersian@tempthree by -1
5875 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5876 \divide\XePersian@temp by 4\relax
5877 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5878 \divide\XePersian@temptwo by 100\relax
5879 \advance\XePersian@temp by -\XePersian@temptwo
5880 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5881 \divide\XePersian@temptwo by 400\relax
5882 \advance\XePersian@temp by \XePersian@temptwo
5883 \advance\XePersian@tempthree by -611 % Number of Kabise years
5884 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8

```



```

5885 \divide\XePersian@temptwo by 33\relax
5886 \multiply\XePersian@temptwo by 8\relax
5887 \advance\XePersian@temp by -\XePersian@temptwo
5888 \XePersian@temptwo=\XePersian@tempthree %
5889 \divide\XePersian@temptwo by 33\relax
5890 \multiply\XePersian@temptwo by 33\relax
5891 \advance\XePersian@tempthree by -\XePersian@temptwo
5892 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5893 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5894 \advance\XePersian@temp by -\XePersian@tempthree
5895 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5896 \XePersian@persiani=31
5897 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5898 \XePersian@persianii = 30\relax
5899 \ifXePersian@kabiseh
5900 \XePersian@persianiii = 30\relax
5901 \else
5902 \XePersian@persianiii = 29\relax
5903 \fi
5904 \XePersian@persianiv = 31\relax
5905 \XePersian@persianv = 31\relax
5906 \XePersian@persianvi = 31\relax
5907 \XePersian@persianvii = 31\relax
5908 \XePersian@persianviii= 31\relax
5909 \XePersian@persianix = 31\relax
5910 \XePersian@persianx = 30\relax
5911 \XePersian@persianxi = 30\relax
5912 \XePersian@persianxii = 30\relax
5913 \XePersian@persianxiii= 30\relax
5914 \XePersian@dn= 0\relax
5915 \XePersian@sn= 0\relax
5916 \XePersian@mminusone=\XePersian@m
5917 \advance\XePersian@mminusone by -1\relax
5918 \XePersian@i=0\relax
5919 \ifnum\XePersian@i < \XePersian@mminusone
5920 \loop
5921 \advance \XePersian@i by 1\relax
5922 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5923 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5924 \fi
5925 \advance \XePersian@dn by \XePersian@d
5926 \XePersian@i=1\relax
5927 \XePersian@sn = \XePersian@persiani
5928 \ifnum \XePersian@sn<\XePersian@dn
5929 \loop
5930 \advance \XePersian@i by 1\relax
5931 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5932 \ifnum \XePersian@sn<\XePersian@dn \repeat
5933 \fi
5934 \ifnum \XePersian@i < 4
5935 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5936 \advance \XePersian@y by -622\relax
5937 \else
5938 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax

```



```

5939 \advance \XePersian@y by -621\relax
5940 \fi
5941 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5942 \endcsname
5943 \ifnum\XePersian@i = 1
5944 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@sn
5945 \else
5946 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5947 \fi
5948 \newcommand*{\persiantoday}{\%
5949 \number\XePersian@d\space%
5950 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5951 }
5952 \let\persianyear\XePersian@y
5953 \let\persianmonth\XePersian@m
5954 \let\persianday\XePersian@d
5955 \def\XePersian@persian@month#1{\ifcase#1\or or\
5956 or\
5957 or\ or\
5958 or\
5959 or\ or\
5960 or\ or\
5961 or\ or\
5962 \fi\

```



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