



The XePersian *Package*

Source documentation for **version 24.9**

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 24.9](#)

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August 26, 2023

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*Thanks to the bidi-tex GitHub organization consisted of David Carlisle and other members of the L^AT_EX team to maintain the package in the period 2018–2020.

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1 File algorithmic-xepersian.def

```

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

```

2 File algorithm-xepersian.def

```

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

```

3 File amsart-xepersian.def

```

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

```

4 File amsbook-xepersian.def

```

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

```



```

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

```

5 File appendix-xepersian.def

```

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

```

6 File article-xepersian.def

```

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

```

7 File artikel1-xepersian.def

```

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

```

8 File artikel2-xepersian.def

```

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

```

9 File artikel3-xepersian.def



```

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

```

10 File backref-xepersian.def

```

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

```

11 File beamer-xepersian.def

```

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

```

12 File beamerbasetranslator-xepersian.def

```

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

```



```

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

```

13 File bidityftesidenote-xepersian.def

```

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

```

14 File bidimoderncv-xepersian.def

```

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

```

15 File boek3-xepersian.def

```

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

```

16 File boek-xepersian.def

```

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

```



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

17 File bookest-xepersian.def

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

18 File book-xepersian.def

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

19 File breqn-xepersian.def

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



```

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

```

20 File latex-localise-commands-xepersian.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

21 File color-localise-xepersian.def

```

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

```



```

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

```

22 File xepersian-localise-commands-xepersian.def

```

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

```




```

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

```

26 File xepersian-localise-environments-xepersian.def

```

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

```



27 File extarticle-xepersian.def

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

28 File extbook-xepersian.def

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

29 File extrafootnotefeatures-xepersian.def

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

30 File extreport-xepersian.def

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

31 File fancyref-xepersian.def

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



```

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

```



```

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

```



```

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

```

32 File footnote-xepersian.def

```

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

```

33 File framed-xepersian.def




```

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

```

34 File glossaries-xepersian.def

```

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

```

35 File hyperref-xepersian.def

```

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

```



```

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

```

36 File imspc-xepersian.def

```

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

```

37 File kashida-xepersian.def

```

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

```



```

1591 \chardef\xepersian@R=12 % right-joiner
1592 \chardef\xepersian@A=13 % alef
1593 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1594 \newif\if@Kashida@on
1595 \def\xepersian@kashida{%
1596   \if@Kashida@on
1597     \xepersian@zwj
1598     \xepersian@lrm
1599     \nobreak
1600     \leaders\hrule height \XeTeXglyphbounds\tw@
1601     \the\xeTeXcharglyph\xepersian@kashidachar
1602     depth \XeTeXglyphbounds\f@ur
1603     \the\xeTeXcharglyph\xepersian@kashidachar
1604     \hskipOpt plus 0.5em
1605 %   \dimexpr \fontcharwd\font\xepersian@kashidachar -
1606 %   \XeTeXglyphbounds@ne
1607 %   \the\xeTeXcharglyph\xepersian@kashidachar -
1608 %   \XeTeXglyphbounds\thr@@
1609 %   \the\xeTeXcharglyph\xepersian@kashidachar \relax
1610   \xepersian@zwj
1611 \fi
1612 }
1613
1614 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1615   \expandafter\dosetclass\charlist,\end}
1616 \def\dosetclass#1,#2\end{%
1617   \def\test{#1}\def\charlist{#2}%
1618   \ifx\test\empty\let\next\finishsetclass
1619   \else \xeTeXcharclass "\test = \theclass
1620     \let\next\dosetclass \fi
1621   \expandafter\next\charlist,,\end}
1622 \def\finishsetclass#1,,\end{}
1623
1624 \setclass \xepersian@A {0622,0623,0625,0627}
1625 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1626 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1627 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1628 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1629 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1630 \setclass \xepersian@L {0644}
1631 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1632
1633 \xeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1634 \xeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1635 \xeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1636 \xeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1637 \xeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1638 \xeTeXinterchartoks \xepersian@L \xepersian@A = {\xepersian@kashida}
1639 \xeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1640 \xeTeXinterchartoks \xepersian@L \xepersian@A = {}
1641
1642 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1643 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1644

```



```
1645 \KashidaOn
```

38 File listings-xepersian.def

```
1646 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1647 \def\lstlistingname{\if@RTL else\ Listing\fi}
1648 \def\lstlistlistingname{\if@RTL else\ Listings\fi}
```

39 File loadingorder-xepersian.def

```
1649 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the 1
1650 \bidi@isloaded{algorithmic}
1651 \bidi@isloaded{algorithm}
1652 \bidi@isloaded{backref}
1653 \bidi@isloaded{enumerate}
1654 \bidi@isloaded{enumitem}
1655 \bidi@isloaded{fancyref}
1656 \bidi@isloaded{tocloft}
1657 \bidi@isloaded{url}
1658 \bidi@isloaded{varioref}
1659 \AtBeginDocument{
1660   \if@bidi@algorithmicloaded@else
1661     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after x
1662     \fi%
1663   \if@bidi@algorithmloaded@else
1664     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xep
1665     \fi%
1666   \if@bidi@backrefloaded@else
1667     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xep
1668     \fi%
1669   \if@bidi@enumerateloaded@else
1670     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xep
1671     \fi%
1672   \if@bidi@enumitemloaded@else
1673     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xep
1674     \fi%
1675   \if@bidi@fancyrefloaded@else
1676     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xep
1677     \fi%
1678   \if@bidi@tocloftloaded@else
1679     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xep
1680     \fi%
1681   \if@bidi@urlloaded@else
1682     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
1683     \fi%
1684   \if@bidi@variorefloaded@else
1685     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xep
1686     \fi%
1687 }
```

40 File localise-xepersian.def

```
1688 \ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
1689 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
```



```

1690 \makezwnjletter
1691 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}%
1692 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1693 \if@bidi@csdef{verbatim@}{\let\verbatim@{\xepersian@localize@verbatim@}}{\csname#2\endcsname}}}%
1694 \newcommand*{\EqEnvironment}[2]{%
1695 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1696 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1697 }
1698 \@ifpackageloaded{keyval}{%
1699 \newcommand*\keyval@eq@alias@key[4][KV]{%
1700 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1701 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}}%
1702 }{\@ifpackageloaded{xkeyval}{%
1703 \newcommand*\keyval@eq@alias@key[4][KV]{%
1704 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1705 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}}%
1706 }{}
1707 \input{latex-localise-commands-xepersian.def}
1708 \input{xepersian-localise-commands-xepersian.def}
1709 \input{latex-localise-environments-xepersian.def}
1710 \input{xepersian-localise-environments-xepersian.def}
1711 \input{latex-localise-messages-xepersian.def}
1712 \input{latex-localise-misc-xepersian.def}
1713 \input{packages-localise-xepersian.def}
1714 \aliasfontfeature{ExternalLocation}{ }
1715 \aliasfontfeature{Path}{ }
1716 \aliasfontfeature{Renderer}{ }
1717 \aliasfontfeature{BoldFont}{ }
1718 \aliasfontfeature{Language}{ }
1719 \aliasfontfeature{Script}{ }
1720 \aliasfontfeature{UprightFont}{ }
1721 \aliasfontfeature{ItalicFont}{ }
1722 \aliasfontfeature{BoldItalicFont}{ }
1723 \aliasfontfeature{SlantedFont}{ }
1724 \aliasfontfeature{BoldSlantedFont}{ }
1725 \aliasfontfeature{SmallCapsFont}{ }
1726 \aliasfontfeature{UprightFeatures}{ }
1727 \aliasfontfeature{BoldFeatures}{ }
1728 \aliasfontfeature{ItalicFeatures}{ }
1729 \aliasfontfeature{BoldItalicFeatures}{ }
1730 \aliasfontfeature{SlantedFeatures}{ }
1731 \aliasfontfeature{BoldSlantedFeatures}{ }
1732 \aliasfontfeature{SmallCapsFeatures}{ }
1733 \aliasfontfeature{SizeFeatures}{ }
1734 \aliasfontfeature{Scale}{ }
1735 \aliasfontfeature{WordSpace}{ }
1736 \aliasfontfeature{PunctuationSpace}{ }
1737 \aliasfontfeature{FontAdjustment}{ }
1738 \aliasfontfeature{LetterSpace}{ }
1739 \aliasfontfeature{HyphenChar}{ }
1740 \aliasfontfeature{Color}{ }
1741 \aliasfontfeature{Opacity}{ }
1742 \aliasfontfeature{Mapping}{ }
1743 \aliasfontfeature{Weight}{ }

```



```

1744 \aliasfontfeature{Width}{ }
1745 \aliasfontfeature{OpticalSize}{ }
1746 \aliasfontfeature{FakeSlant}{ }
1747 \aliasfontfeature{FakeStretch}{ }
1748 \aliasfontfeature{FakeBold}{ }
1749 \aliasfontfeature{AutoFakeSlant}{ }
1750 \aliasfontfeature{AutoFakeBold}{ }
1751 \aliasfontfeature{Ligatures}{ }
1752 \aliasfontfeature{Alternate}{ }
1753 \aliasfontfeature{Variant}{ }
1754 \aliasfontfeature{Variant}{ }
1755 \aliasfontfeature{CharacterVariant}{ }
1756 \aliasfontfeature{Style}{ }
1757 \aliasfontfeature{Annotation}{ }
1758 \aliasfontfeature{RawFeature}{ }
1759 \aliasfontfeature{CharacterWidth}{ }
1760 \aliasfontfeature{Numbers}{ }
1761 \aliasfontfeature{Contextuals}{ }
1762 \aliasfontfeature{Diacritics}{ }
1763 \aliasfontfeature{Letters}{ }
1764 \aliasfontfeature{Kerning}{ }
1765 \aliasfontfeature{VerticalPosition}{ }
1766 \aliasfontfeature{Fractions}{ }
1767 \aliasfontfeatureoption{Language}{Default}{ }
1768 \aliasfontfeatureoption{Language}{Persian}{ }
1769 \aliasfontfeatureoption{Script}{Persian}{ }
1770 \aliasfontfeatureoption{Script}{Latin}{ }
1771 \aliasfontfeatureoption{Style}{MathScript}{ }
1772 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

41 File memoir-xepersian.def

```

1773 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1774 \renewcommand{\@memfront}{%
1775   \@smemfront\pagenumbering{harfi}}
1776 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1777 \renewcommand*{\thebook}{\@tartibi\c@book}
1778 \renewcommand*{\thepart}{\@tartibi\c@part}
1779 \renewcommand{\appendix}{\par
1780   \setcounter{chapter}{0}%
1781   \setcounter{section}{0}%
1782   \gdef\@chapapp{\appendixname}%
1783   \gdef\thechapter{\@harfi\c@chapter}%
1784   \anappendixtrue}

```

42 File latex-localise-messages-xepersian.def

```

1785 latex} \-localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages]

```

43 File minitoc-xepersian.def

```

1786 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1787 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1788 \def\plftitle{\if@RTL else\ List of Figures\fi}%

```



```

1789 \def\pltttitle{\if@RTL      else\      List of Tables\fi}%
1790 \def\mtcttitle{\if@RTL else\      Contents\fi}%
1791 \def\mlfttitle{\if@RTL else\      Figures\fi}%
1792 \def\mltttitle{\if@RTL else\      Tables\fi}%
1793 \def\stcttitle{\if@RTL else\      Contents\fi}%
1794 \def\slfttitle{\if@RTL else\      Figures\fi}%
1795 \def\slttitle{\if@RTL else\      Tables\fi}%

```

44 File latex-localise-misc-xepersian.def

```

1796 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian local
1797 %}1# \ \
1798 \@ \ \ @ \ \
1799 \1# \
1800 \1# @\
1801 \1# @\
1802 \@ \ \
1803 %}2#1# @\ \
1804 %1# \ \ @\ \ \ \ \
1805 \2# \ \ @\ \
1806 {{2#1# \}}
1807 undefined\ \ \
1808
1809 %{\ \ \ \ \ \1#} \ \} \1# \ \
1810 \ \ { \ \ \
1811 \ \ \ \
1812
1813
1814 \ \ \ \%} \#1
1815 \1#} \ \ \% \
1816 \ \ \ \
1817 }%
1818 \
1819 \ \ \ \
1820 }
1821 \ = \ \
1822
1823
1824 \ifdefinitionfileloaded{latex-xetex-bidi}{%
1825 \def\@xfloat #1[#2]{%
1826 \nodocument
1827 \def \@capytype {#1}%
1828 \def \@fps {#2}%
1829 \@onelevel@sanitize \@fps
1830 \def \reserved@b {!}%
1831 \ifx \reserved@b \@fps
1832 \@fpsadddefault
1833 \else
1834 \ifx \@fps \@empty
1835 \@fpsadddefault
1836 \fi
1837 \fi
1838 \ifhmode
1839 \@bsphack

```



```

1840     \@floatpenalty -\@Mii
1841   \else
1842     \@floatpenalty-\@Miii
1843   \fi
1844 \ifinner
1845   \@parmoderr\@floatpenalty\z@
1846 \else
1847   \@next\@currbox\@freelist
1848   {%
1849     \@tempcnta \sixt@@n
1850     \expandafter \@tfor \expandafter \reserved@a
1851       \expandafter : \expandafter =\@fps
1852     \do
1853     {%
1854       \if \reserved@a h%
1855         \ifodd \@tempcnta
1856         \else
1857           \advance \@tempcnta \@ne
1858         \fi
1859       \fi
1860       \if \reserved@a %
1861         \ifodd \@tempcnta
1862         \else
1863           \advance \@tempcnta \@ne
1864         \fi
1865       \fi
1866       \if \reserved@a t%
1867         \@setfpsbit \tw@
1868       \fi
1869       \if \reserved@a %
1870         \@setfpsbit \tw@
1871       \fi
1872       \if \reserved@a b%
1873         \@setfpsbit 4%
1874       \fi
1875       \if \reserved@a %
1876         \@setfpsbit 4%
1877       \fi
1878       \if \reserved@a p%
1879         \@setfpsbit 8%
1880       \fi
1881       \if \reserved@a %
1882         \@setfpsbit 8%
1883       \fi
1884       \if \reserved@a !%
1885         \ifnum \@tempcnta>15
1886           \advance\@tempcnta -\sixt@@n\relax
1887         \fi
1888       \fi
1889     }%
1890   \@tempcntb \csname ftype@\@captype \endcsname
1891   \multiply \@tempcntb \@xxxii
1892   \advance \@tempcnta \@tempcntb
1893   \global \count\@currbox \@tempcnta

```




```

1894     }%
1895     \@fltovf
1896 \fi
1897 \global \setbox\@currbox
1898 \color@vbox
1899 \normalcolor
1900 \vbox \bgroup
1901 \hsize\columnwidth
1902 \@parboxrestore
1903 \@floatboxreset
1904 }
1905 \let\bm@ \bm@c
1906 \let\bm@ \bm@l
1907 \let\bm@ \bm@r
1908 \let\bm@ \bm@b
1909 \let\bm@ \bm@t
1910 \let\bm@ \bm@s
1911 \long\def\@iiiparbox#1#2[#3]#4#5{%
1912 \leavevmode
1913 \@pboxswfalse
1914 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1915 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1916 \setlength\@tempdima{#4}%
1917 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1918 \ifx\relax#2\else
1919 \setlength\@tempdimb{#2}%
1920 \edef\@parboxto{to\the\@tempdimb}%
1921 \fi
1922 \if#1b\vbox
1923 \else\if#1\vbox
1924 \else\if #1t\top
1925 \else\if vtop\ #1
1926 \else\ifmmode\vcenter
1927 \else\@pboxswtrue $\vcenter
1928 \fi\fi\fi\fi\fi
1929 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1930 \csname bm@#3\endcsname}%
1931 \if@pboxsw \m@th$\fi
1932 \@end@tempboxa}
1933 \def\@iiiminipage#1#2[#3]#4{%
1934 \leavevmode
1935 \@pboxswfalse
1936 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1937 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1938 \setlength\@tempdima{#4}%
1939 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1940 \setbox\@tempboxa\vbox\bgroup
1941 \color@begingroup
1942 \hsize\@tempdima
1943 \textwidth\hsize \columnwidth\hsize
1944 \@parboxrestore
1945 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1946 \let\@footnotetext\@mpfootnotetext
1947 \let\@LTRfootnotetext\@mpLTRfootnotetext

```



```

1948 \let\@RTLfootnotetext\@mpRTLfootnotetext
1949 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1950 \@minipagerestore
1951 \@setminipage}
1952 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1953 \ifnum \@lastchclass=3 5 \else
1954 \z@ \if #1c\@chnum \z@ \else
1955 \if chnum@\ #1 \z@ \else
1956 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1957 \if \if@RTLtab#1\else#1\fi\@chnum \@ne \else
1958 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1959 \if \if@RTLtab#1\else#1\fi\@chnum \tw@ \else
1960 \@chclass \if #1|\@ne \else
1961 \if #1@\tw@ \else
1962 \if #1p3 \else
1963 \if 3#1 \else \z@ \@preamerr 0\fi
1964 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1965 \fi}%
1966 }{}
1967 \ifdefinitionfileloaded{array-xetex-bidi}{%
1968 \def\@testpach{\@chclass
1969 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1970 \ifnum \@lastchclass=7 5 \else
1971 \ifnum \@lastchclass=8 \tw@ \else
1972 \ifnum \@lastchclass=9 \thr@@
1973 \else \z@
1974 \ifnum \@lastchclass = 10 \else
1975 \edef\@nextchar{\expandafter\string\@nextchar}%
1976 \@chnum
1977 \if \@nextchar c\z@ \else
1978 \if \@nextchar @z\ \else
1979 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1980 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1981 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1982 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1983 \z@ \@chclass
1984 \if \@nextchar |\@ne \else
1985 \if \@nextchar !6 \else
1986 \if \@nextchar @7 \else
1987 \if \@nextchar <8 \else
1988 \if \@nextchar >9 \else
1989 10
1990 \@chnum
1991 \if \@nextchar m\thr@@\else
1992 \if \@nextchar thr@@\else\
1993 \if \@nextchar p4 \else
1994 \if \@nextchar 4 \else
1995 \if \@nextchar b5 \else
1996 \if \@nextchar 5 \else
1997 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1998 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1999 }{}
2000 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2001 \ifadl@usingarypkg

```



```

2002 \def\@testpach{\@chclass
2003 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2004 \ifnum \@lastchclass=7 5 \else
2005 \ifnum \@lastchclass=8 \tw@ \else
2006 \ifnum \@lastchclass=9 \thr@@
2007 \else \z@
2008 \ifnum \@lastchclass = 10 \else
2009 \edef\@nextchar{\expandafter\string\@nextchar}%
2010 \@chnum
2011 \if \@nextchar c\z@ \else
2012 \if \@nextchar @z\ \else
2013 \if \@nextchar \ifRTLTtab r\else l\fi\@ne \else
2014 \if \@nextchar \ifRTLTtab else\ fi\@ne\ \else
2015 \if \@nextchar \ifRTLTtab l\else r\fi\tw@ \else
2016 \if \@nextchar \ifRTLTtab else\ @fi\tw\ \else
2017 \z@ \@chclass
2018 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2019 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2020 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2021 \if \@nextchar !6 \else
2022 \if \@nextchar @7 \else
2023 \if \@nextchar <8 \else
2024 \if \@nextchar >9 \else
2025 10
2026 \@chnum
2027 \if \@nextchar m\thr@@\else
2028 \if \@nextchar thr@@\else\
2029 \if \@nextchar p4 \else
2030 \if \@nextchar 4 \else
2031 \if \@nextchar b5 \else
2032 \if \@nextchar 5 \else
2033 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2034 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2035
2036 \def\@classz{\@classx
2037 \@tempcnta \count@
2038 \prepnext@tok
2039 \@addtopreamble{\ifcase \@chnum
2040 \hfil
2041 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2042 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2043 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2044 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2045 \adl@endmbox\or
2046 \setbox\adl@box\top \@startpbox{\@nextchar}\insert@column \endpbox \or
2047 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \endpbox
2048 \fi}\prepnext@tok}
2049 \def\adl@class@start{4}
2050 \def\adl@class@iiiorvii{7}
2051
2052 \else
2053 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2054 \ifnum \@lastchclass=\thr@@ 5\relax \else
2055 \z@ \if #1c\@chnum \z@ \else

```



```

2056         \if @chnum\z@ \#1 \else
2057         \if \if@RTLtab#1r\else#1l\fi \@chnum \@ne \else
2058         \if \if@RTLtab#1 \else#1 \fi \@chnum \@ne \else
2059         \if \if@RTLtab#1l\else#1r\fi \@chnum \tw@ \else
2060         \if \if@RTLtab#1 \else#1 \fi \@chnum \tw@ \else
2061         \@chclass
2062         \if #1\@ne \let\@arrayrule\adl@arrayrule \else
2063         \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2064         \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2065         \if #1\@tw@ \else
2066         \if #1p\thr@@ \else
2067         \if @@thr \#1 \else\z@ \@preamerr 0\fi
2068     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2069
2070 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2071     \or \or \@addamp \or
2072     \@acolampacol \or \@firststampfalse \@acol \fi
2073 \edef\@preamble{\@preamble
2074     \ifcase \@chnum
2075     \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2076     \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2077     \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2078 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2079     \or \or \@addamp \or
2080     \@acolampacol \or \@firststampfalse \@acol \fi
2081 \edef\@preamble{\@preamble
2082     \ifcase \@chnum
2083     \hfil\adl@putlrc{\@sharp\unskip}\hfil
2084     \or \adl@putlrc{\@sharp\unskip}\hfil
2085     \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2086 \def\adl@class@start{6}
2087 \def\adl@class@iiiorvii{3}
2088 \fi
2089 }{}
2090 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2091 \def\@testpach{\@chclass
2092     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2093     \ifnum \@lastchclass=7 5 \else
2094     \ifnum \@lastchclass=8 \tw@ \else
2095     \ifnum \@lastchclass=9 \thr@@
2096     \else \z@
2097     \ifnum \@lastchclass = 10 \else
2098     \edef\@nextchar{\expandafter\string\@nextchar}%
2099     \@chnum
2100     \if \@nextchar c\z@ \else
2101     \if \@nextchar @z \else
2102     \if \@nextchar \if@RTLtab r\else l\fi \@ne \else
2103     \if \@nextchar \if@RTLtab else \fi \@ne \else
2104     \if \@nextchar \if@RTLtab l\else r\fi \tw@ \else
2105     \if \@nextchar \if@RTLtab else \ @fi \tw@ \else
2106     \if \@nextchar C7 \else
2107     \if \@nextchar 7 \else
2108     \if \@nextchar L8 \else
2109     \if \@nextchar 8 \else

```



[illegible]

```

2164 \ExplSyntaxOff
2165 \expandafter\let\csname end      *\endcsname =\end

```

45 File natbib-xepersian.def

```

2166 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2167 \renewcommand\NAT@set@cites{%
2168   \ifNAT@numbers
2169     \ifNAT@super \let\@cite\NAT@citesuper
2170     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2171     \let\citeyearpar=\citeyear
2172     \let\NAT@space\relax
2173     \def\NAT@super@kern{\kern\p@}%
2174   \else
2175     \let\NAT@mbox=\mbox
2176     \let\@cite\NAT@citenum
2177     \let\NAT@space\NAT@spacechar
2178     \let\NAT@super@kern\relax
2179   \fi
2180   \let\@citex\NAT@citexnum
2181   \let\@Latincitex\NAT@Latin@citexnum
2182   \let\@biblabel\NAT@biblabelnum
2183   \let\@bibsetup\NAT@bibsetnum
2184   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2185   \def\natexlab##1{%
2186     \def\NAT@penalty{\penalty\@m}%
2187   \else
2188     \let\@cite\NAT@cite
2189     \let\@citex\NAT@citex
2190     \let\@Latincitex\NAT@Latin@citex
2191     \let\@biblabel\NAT@biblabel
2192     \let\@bibsetup\NAT@bibsetup
2193     \let\NAT@space\NAT@spacechar
2194     \let\NAT@penalty\@empty
2195     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2196     \def\natexlab##1{##1}%
2197   \fi}
2198 \newcommand\NAT@Latin@citex{}
2199 \def\NAT@Latin@citex%
2200   [#1][#2]#3{%
2201   \NAT@reset@parser
2202   \NAT@sort@cites{#3}%
2203   \NAT@reset@citea
2204   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2205     \@for\@citeb:=\NAT@cite@list\do
2206       {\@safe@activetrue
2207         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2208         \@safe@activesfalse
2209         \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2210           {\reset@font\bfseries ?}\NAT@citeundefined
2211             \PackageWarning{natbib}%
2212               {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
2213     {\let\NAT@lastnm=\NAT@nm\let\NAT@lastyr=\NAT@year
2214       \NAT@parse{\@citeb}%

```



```

2215 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2216 \let\NAT@name=\NAT@all@names
2217 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2218 \fi
2219 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2220 \let\NAT@nm\NAT@name\fi
2221 \ifNAT@swa\ifcase\NAT@ctype
2222 \if\relax\NAT@date\relax
2223 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2224 \else
2225 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2226 \ifx\NAT@last@yr\NAT@year
2227 \def\NAT@temp{?}%
2228 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2229 {Multiple citation on page \thepage: same authors and
2230 year\MessageBreak without distinguishing extra
2231 letter,\MessageBreak appears as question mark}\fi
2232 \NAT@hyper@{\NAT@exlab}%
2233 \else\unskip\NAT@spacechar
2234 \NAT@hyper@{\NAT@date}%
2235 \fi
2236 \else
2237 \@citea\NAT@hyper@{%
2238 \NAT@nmfmt{\NAT@nm}%
2239 \hyper@natlinkbreak{%
2240 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2241 }%
2242 \NAT@date
2243 }%
2244 \fi
2245 \fi
2246 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2247 \or\@citea\NAT@hyper@{\NAT@date}%
2248 \or\@citea\NAT@hyper@{\NAT@alias}%
2249 \fi \NAT@def@citea
2250 \else
2251 \ifcase\NAT@ctype
2252 \if\relax\NAT@date\relax
2253 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2254 \else
2255 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2256 \ifx\NAT@last@yr\NAT@year
2257 \def\NAT@temp{?}%
2258 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2259 {Multiple citation on page \thepage: same authors and
2260 year\MessageBreak without distinguishing extra
2261 letter,\MessageBreak appears as question mark}\fi
2262 \NAT@hyper@{\NAT@exlab}%
2263 \else
2264 \unskip\NAT@spacechar
2265 \NAT@hyper@{\NAT@date}%
2266 \fi
2267 \else
2268 \@citea\NAT@hyper@{%

```



```

2269         \NAT@nmfmt{\NAT@nm}%
2270         \hyper@natlinkbreak{\NAT@spacechar\NAT@open@if*#1*\else#1\NAT@spacechar\fi}%
2271         {\@citeb\@extra@b@citeb}%
2272         \NAT@date
2273     }%
2274     \fi
2275     \fi
2276     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2277     \or\@citea\NAT@hyper@{\NAT@date}%
2278     \or\@citea\NAT@hyper@{\NAT@alias}%
2279     \fi
2280     \if\relax\NAT@date\relax
2281         \NAT@def@citea
2282     \else
2283         \NAT@def@citea@close
2284     \fi
2285     \fi
2286     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2287     \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2288 \newcommand\NAT@Latin@citexnum{}
2289 \def\NAT@Latin@citexnum[#1][#2]#3{%
2290     \NAT@reset@parser
2291     \NAT@sort@cites{#3}%
2292     \NAT@reset@citea
2293     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2294         \@for\@citeb:=\NAT@cite@list\do
2295             {\@safe@activestrue
2296                 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2297                 \@safe@activesfalse
2298                 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2299                     {\reset@font\bfseries?}
2300                     \NAT@citeundefined\PackageWarning{natbib}%
2301                     {Citation ``\@citeb' on page \thepage \space undefined}}}%
2302                 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2303                     \NAT@parse{\@citeb}%
2304                     \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2305                         \let\NAT@name=\NAT@all@names
2306                         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2307                     \fi
2308                     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2309                         \let\NAT@nm\NAT@name\fi
2310                     \ifNAT@swa
2311                         \@ifnum{\NAT@cotype>\@ne}{%
2312                             \@citea
2313                             \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2314                         }{%
2315                             \@ifnum{\NAT@cmprs>\z@}{%
2316                                 \NAT@ifcat@num\NAT@num
2317                                 {\let\NAT@nm=\NAT@num}%
2318                                 {\def\NAT@nm{-2}}%
2319                                 \NAT@ifcat@num\NAT@last@num
2320                                 {\@tempcnta=\NAT@last@num\relax}%
2321                                 {\@tempcnta\m@ne}%
2322                                 \@ifnum{\NAT@nm=\@tempcnta}{%

```




```

2323     \ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2324   }{%
2325     \advance\@tempcnta by\@ne
2326     \ifnum{\NAT@nm=\@tempcnta}{%
2327       \ifx\NAT@last@yr\relax
2328         \def\NAT@last@yr{\@citea}%
2329       \else
2330         \def\NAT@last@yr{--\NAT@penalty}%
2331       \fi
2332     }{%
2333       \NAT@last@yr@mbbox
2334     }%
2335   }%
2336 }{%
2337   \@tempswatrue
2338   \ifnum{\NAT@merge>\@ne}{\ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2339   \if@tempswa\NAT@citea@mbbox\fi
2340 }%
2341 }%
2342 \NAT@def@citea
2343 \else
2344   \ifcase\NAT@ctype
2345     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2346       \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@@open}%
2347     \fi
2348     \if*#1\else#1\NAT@spacechar\fi
2349     \NAT@mbbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2350     \NAT@def@citea@box
2351   \or
2352     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2353   \or
2354     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2355   \or
2356     \NAT@hyper@citea@space\NAT@alias
2357   \fi
2358 \fi
2359 }%
2360 }%
2361 \ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2362 \ifNAT@swa\else
2363   \ifnum{\NAT@ctype=\z@}{%
2364     \if*#2*\else\NAT@cmt#2\fi
2365   }{%
2366     \NAT@mbbox{\NAT@@close}%
2367   \fi
2368 }{#1}{#2}%
2369 }%
2370 \AtBeginDocument{\NAT@set@cites}
2371 \DeclareRobustCommand\Latincite
2372   {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2373     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2374 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@citetp}{%
2375   \ifNAT@numbers\else
2376     \NAT@swafalse

```



```

2377 \fi
2378 \NAT@Latin@citetp[]}}
2379 \newcommand\NAT@Latin@citetp{}
2380 \def\NAT@Latin@citetp[#1]{\ifnextchar[{\@Latincitex[#1]}{\@Latincitex[][#1]}}

```

46 File packages-localise-xepersian.def

```

2381 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2382 color} \}{color} @\-localise-xepersian.def}}{}
2383 \ifpackageloaded{multicol}{%
2384 \newenvironment{ \}{\begin{multicols}}{\end{multicols}}}%
2385 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2386 }{}
2387 \ifpackageloaded{verbatim}{%
2388 \begingroup
2389 \vrb@catcodes
2390 \lccode`!=`\ \lccode`[=\`{ \lccode`\]=`\}
2391 \catcode`\-=\active \lccode`\-=`\^M
2392 \lccode`\C=\`C
2393 \lowercase{\endgroup
2394 \def\xepersian@localize@verbatim@start#1{%
2395 \verbatim@startline
2396 \if\noexpand#1\noexpand~%
2397 \let\next\xepersian@localize@verbatim@
2398 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2399 \next}%
2400 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2401 \def\xepersian@localize@verbatim@@#1! {%
2402 \verbatim@addtoline{#1}%
2403 \futurelet\next\xepersian@localize@verbatim@@@}%
2404 \def\xepersian@localize@verbatim@@@#1\@nil{%
2405 \ifx\next\@nil
2406 \verbatim@processline
2407 \verbatim@startline
2408 \let\next\xepersian@localize@verbatim@
2409 \else
2410 \def@tempa##1! \@nil{##1}%
2411 \@temptokena{! }%
2412 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2413 \fi \next}%
2414 \def\xepersian@localize@verbatim@test#1{%
2415 \let\next\xepersian@localize@verbatim@test
2416 \if\noexpand#1\noexpand~%
2417 \expandafter\verbatim@addtoline
2418 \expandafter{\the\@temptokena}%
2419 \verbatim@processline
2420 \verbatim@startline
2421 \let\next\xepersian@localize@verbatim@
2422 \else \if\noexpand#1
2423 \@temptokena\expandafter{\the\@temptokena#1}%
2424 \else \if\noexpand#1\noexpand[%
2425 \let\@tempc\@empty
2426 \let\next\xepersian@localize@verbatim@testend
2427 \else

```



```

2428         \expandafter\verbatim@addtoline
2429         \expandafter{\the\@temptokena}%
2430         \def\next{\xepersian@localize@verbatim@#1}%
2431         \fi\fi\fi
2432         \next}%
2433 \def\xepersian@localize@verbatim@testend#1{%
2434     \if\noexpand#1\noexpand~%
2435     \expandafter\verbatim@addtoline
2436     \expandafter{\the\@temptokena[]}%
2437     \expandafter\verbatim@addtoline
2438     \expandafter{\@tempc}%
2439     \verbatim@processline
2440     \verbatim@startline
2441     \let\next\xepersian@localize@verbatim@
2442     \else\if\noexpand#1\noexpand]%
2443     \let\next\xepersian@localize@verbatim@@testend
2444     \else\if\noexpand#1\noexpand!%
2445     \expandafter\verbatim@addtoline
2446     \expandafter{\the\@temptokena[]}%
2447     \expandafter\verbatim@addtoline
2448     \expandafter{\@tempc}%
2449     \def\next{\xepersian@localize@verbatim@!}%
2450     \else \expandafter\def\expandafter\@tempc\expandafter
2451     {\@tempc#1}\fi\fi\fi
2452     \next}%
2453 \def\xepersian@localize@verbatim@@testend{%
2454     \ifx\@tempc\@currenvir
2455     \verbatim@finish
2456     \edef\next{\noexpand\end{\@currenvir}%
2457         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2458     \else
2459     \expandafter\verbatim@addtoline
2460     \expandafter{\the\@temptokena[]}%
2461     \expandafter\verbatim@addtoline
2462     \expandafter{\@tempc[]}%
2463     \let\next\xepersian@localize@verbatim@
2464     \fi
2465     \next}%
2466 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2467     \@warning{Characters dropped after `string\end{#1}'}\fi}}%
2468 \def\
2469     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2470     \xepersian@localize@verbatim@start}
2470 \namedef{
2471     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2471 \def\end
2472     {\endtrivlist\endgroup\@doendpe}
2472 \expandafter\let\csname end
2473     *\endcsname =\end
2473 }{}
2474 \ExplSyntaxOn
2475 \AtBeginDocument{
2476     \xepersian_localize_patch_verbatim:
2477 }
2478 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2479     \@ifpackageloaded{verbatim}{
2480         \cs_set:cpn {*
2481             } }
2481         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@

```



```

2482     }
2483   }{
2484   }
2485 }
2486 \ExplSyntaxOff
2487 \ifpackageloaded{graphicx}{%
2488 \def\Gin@boolkey#1#2{%
2489 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2490 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2491 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2492 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2493 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2494 \define@key{Grot}{origin}[c]{%
2495 \@tfor\@tempa:=#1\do{%
2496 \if l\@tempa \Grot@x\z@ \else
2497 \if tempa@ \Grot@x\z@ \else
2498 \if r\@tempa \Grot@x\width \else
2499 \if tempa@ \Grot@x\width \else
2500 \if t\@tempa \Grot@y\height \else
2501 \if tempa@ \Grot@y\height \else
2502 \if b\@tempa \Grot@y-\depth \else
2503 \if tempa@ \Grot@y-\depth \else
2504 \if B\@tempa \Grot@y\z@ \else
2505 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2506 {draft}{ \Gin } @ \
2507 {origin}{ \Gin } @ \
2508 {origin}{ \Grot } @ \
2509 {clip}{ \Gin } @ \
2510 {keepaspectratio}{ \Gin } @ \
2511 {natwidth}{ \Gin } @ \
2512 {natheight}{ \Gin } @ \
2513 {bb}{ \Gin } @ \
2514 {viewport}{ \Gin } @ \
2515 {trim}{ \Gin } @ \
2516 {angle}{ \Gin } @ \
2517 {width}{ \Gin } @ \
2518 {height}{ \Gin } @ \
2519 {totalheight}{ \Gin } @ \
2520 {scale}{ \Gin } @ \
2521 {type}{ \Gin } @ \
2522 {ext}{ \Gin } @ \
2523 {read}{ \Gin } @ \
2524 {command}{ \Gin } @ \
2525 {x}{ \Grot } @ \
2526 {y}{ \Grot } @ \
2527 {units}{ \Grot } @ \
2528 {}

```

47 File url-xepersian.def

```

2529 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2530 \begingroup
2531 \lccode`+=`% \lccode`~`~`%
2532 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%

```



```

2533 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2534 \endgroup%

```

48 File persian-tex-text.map

```

2535 LHSName "persian-TeX-text"
2536 RHSName "Unicode"
2537
2538 pass(Unicode)
2539 U+0030 <> U+06F0 ;
2540 U+0031 <> U+06F1 ;
2541 U+0032 <> U+06F2 ;
2542 U+0033 <> U+06F3 ;
2543 U+0034 <> U+06F4 ;
2544 U+0035 <> U+06F5 ;
2545 U+0036 <> U+06F6 ;
2546 U+0037 <> U+06F7 ;
2547 U+0038 <> U+06F8 ;
2548 U+0039 <> U+06F9 ;
2549
2550
2551 U+002C <> U+060C ; comma > arabic comma
2552 U+003F <> U+061F ; question mark -> arabic qm
2553 U+003B <> U+061B ; semicolon -> arabic semicolon
2554
2555 ; ligatures from Knuth's original CMR fonts
2556 U+002D U+002D <> U+2013 ; -- -> en dash
2557 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2558
2559 U+0027 <> U+2019 ; ' -> right single quote
2560 U+0027 U+0027 <> U+201D ; '' -> right double quote
2561 U+0022 > U+201D ; " -> right double quote
2562
2563 U+0060 <> U+2018 ; ` -> left single quote
2564 U+0060 U+0060 <> U+201C ; `` -> left double quote
2565
2566 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2567 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2568
2569 ; additions supported in T1 encoding
2570 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2571 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2572 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

49 File persian-tex-text-nonnumbers.map

```

2573 LHSName "persian-TeX-text-nonnumbers"
2574 RHSName "Unicode"
2575
2576 pass(Unicode)
2577 U+002C <> U+060C ; comma > arabic comma
2578 U+003F <> U+061F ; question mark -> arabic qm
2579 U+003B <> U+061B ; semicolon -> arabic semicolon
2580

```



```

2581 ; ligatures from Knuth's original CMR fonts
2582 U+002D U+002D <> U+2013 ; -- -> en dash
2583 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2584
2585 U+0027 <> U+2019 ; ' -> right single quote
2586 U+0027 U+0027 <> U+201D ; '' -> right double quote
2587 U+0022 > U+201D ; " -> right double quote
2588
2589 U+0060 <> U+2018 ; ` -> left single quote
2590 U+0060 U+0060 <> U+201C ; `` -> left double quote
2591
2592 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2593 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2594
2595 ; additions supported in T1 encoding
2596 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2597 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2598 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

50 File rapport1-xepersian.def

```

2599 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2600 \renewcommand*\thepart{\@tartibi\c@part}
2601 \renewcommand*\appendix{\par
2602   \setcounter{chapter}{0}%
2603   \setcounter{section}{0}%
2604   \gdef\@chapapp{\appendixname}%
2605   \gdef\thechapter{\@harfi\c@chapter}}

```

51 File rapport3-xepersian.def

```

2606 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2607 \renewcommand*\thepart{\@tartibi\c@part}
2608 \renewcommand*\appendix{\par
2609   \setcounter{chapter}{0}%
2610   \setcounter{section}{0}%
2611   \gdef\@chapapp{\appendixname}%
2612   \gdef\thechapter{\@harfi\c@chapter}}

```

52 File refrep-xepersian.def

```

2613 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2614 \renewcommand \thepart {\@tartibi\c@part}
2615 \renewcommand \appendix {\par
2616   \setcounter{chapter}{0}%
2617   \setcounter{section}{0}%
2618   \gdef\@chapapp{\appendixname}%
2619   \gdef\thechapter{\@harfi\c@chapter}
2620 }%end appendix

```

53 File report-xepersian.def

```

2621 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2622 \renewcommand \thepart {\@tartibi\c@part}

```



```

2623 \renewcommand\appendix{\par
2624   \setcounter{chapter}{0}%
2625   \setcounter{section}{0}%
2626   \gdef\@chapapp{\appendixname}%
2627   \gdef\thechapter{\@harfi\c@chapter}
2628 }%end appendix

```

54 File scrartcl-xepersian.def

```

2629 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2630 \renewcommand*{\thepart}{\@tartibi\c@part}
2631 \renewcommand*\appendix{%
2632   \Ifstr{\@currentenv}{appendix}{%
2633     \ClassWarning{\KOMAClassName}{%
2634       You are using
2635       `\'string\begin{appendix}...\'string\end{appendix}'.\MessageBreak
2636       You should note, that `\'string\appendix' is a mostly
2637       globally\MessageBreak
2638       working command not an enviroment with only local\MessageBreak
2639       effects. Therefore `\'string\end{appendix}' will neither\MessageBreak
2640       switch back to normal section numbering nor finish\MessageBreak
2641       every other effect of `\'string\begin{appendix}'.\MessageBreak
2642       Nevertheless, some effects may end with\MessageBreak
2643       `\'string\end{appendix}' and the document may become\MessageBreak
2644       inconsistent.\MessageBreak
2645       Because of this, you should remove `\'string\end{appendix}'\MessageBreak
2646       and replace `\'string\begin{appendix}' by command\MessageBreak
2647       `\'string\appendix'%
2648     }%
2649   }{}%
2650   \par
2651   \setcounter{section}{0}%
2652   \setcounter{subsection}{0}%
2653   \gdef\thesection{\@harfi\c@section}%
2654 }
2655 \IfLTXAtLeastTF{2020/10/01}{%
2656   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2657 }{}
2658 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2659 \renewcommand*{\@maybeautodot}[1]{%
2660   \ifx #1\@stop\let\@maybeautodot\relax
2661   \else
2662     \ifx #1\harfi \@autodottrue\fi
2663     \ifx #1\adadi \@autodottrue\fi
2664     \ifx #1\tartibi \@autodottrue\fi
2665     \ifx #1\Alph \@autodottrue\fi
2666     \ifx #1\alph \@autodottrue\fi
2667     \ifx #1\Roman \@autodottrue\fi
2668     \ifx #1\roman \@autodottrue\fi
2669     \ifx #1\@harfi \@autodottrue\fi
2670     \ifx #1\adadi \@autodottrue\fi
2671     \ifx #1\@tartibi \@autodottrue\fi
2672     \ifx #1\@Alph \@autodottrue\fi
2673     \ifx #1\@alph \@autodottrue\fi

```



```

2674 \ifx #1\@Roman \@autodottrue\fi
2675 \ifx #1\@roman \@autodottrue\fi
2676 \ifx #1\romannumeral \@autodottrue\fi
2677 \fi
2678 \@maybeautodot
2679 }

```

55 File scrbook-xepersian.def

```

2680 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2681 \renewcommand*\frontmatter{%
2682 \if@twoside\cleardoubleoddpage\else\clearpage\fi
2683 \@mainmatterfalse\pagenumbering{harfi}%
2684 }
2685 \renewcommand*\thepart{\@tartibi\c@part}
2686 \renewcommand*\appendix{%
2687 \Ifstr{\@currenvir}{appendix}{%
2688 \ClassWarning{\KOMAClassName}{%
2689 You are using
2690 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2691 You should note, that \string\appendix' is a mostly
2692 globally\MessageBreak
2693 working command not an enviroment with only local\MessageBreak
2694 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2695 switch back to normal section numbering nor finish\MessageBreak
2696 every other effect of \string\begin{appendix}'.\MessageBreak
2697 Nevertheless, some effects may end with\MessageBreak
2698 \string\end{appendix}' and the document may become\MessageBreak
2699 inconsistent.\MessageBreak
2700 Because of this, you should remove \string\end{appendix}'.\MessageBreak
2701 and replace \string\begin{appendix}' by command\MessageBreak
2702 \string\appendix'%
2703 }%
2704 }{}%
2705 \par
2706 \setcounter{chapter}{0}%
2707 \setcounter{section}{0}%
2708 \gdef\@chapapp{\appendixname}%
2709 \gdef\thechapter{\@harfi\c@chapter}%
2710 }
2711 \IfLTXAtLeastTF{2020/10/01}{%
2712 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2713 }{}
2714 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2715 \renewcommand*\@maybeautodot[1]{%
2716 \ifx #1\@stop\let\@maybeautodot\relax
2717 \else
2718 \ifx #1\harfi \@autodottrue\fi
2719 \ifx #1\adadi \@autodottrue\fi
2720 \ifx #1\tartibi \@autodottrue\fi
2721 \ifx #1\Alph \@autodottrue\fi
2722 \ifx #1\alph \@autodottrue\fi
2723 \ifx #1\Roman \@autodottrue\fi
2724 \ifx #1\roman \@autodottrue\fi

```




```

2725 \ifx #1\@harfi \@autodottrue\fi
2726 \ifx #1\@adadi \@autodottrue\fi
2727 \ifx #1\@tartibi \@autodottrue\fi
2728 \ifx #1\@Alph \@autodottrue\fi
2729 \ifx #1\@alph \@autodottrue\fi
2730 \ifx #1\@Roman \@autodottrue\fi
2731 \ifx #1\@roman \@autodottrue\fi
2732 \ifx #1\romannumeral \@autodottrue\fi
2733 \fi
2734 \@maybeautodot
2735 }

```

56 File scrreprt-xepersian.def

```

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

```



```

2776 \ifx #1\roman \@autodottrue\fi
2777 \ifx #1\@harfi \@autodottrue\fi
2778 \ifx #1\@adadi \@autodottrue\fi
2779 \ifx #1\@tartibi \@autodottrue\fi
2780 \ifx #1\@Alph \@autodottrue\fi
2781 \ifx #1\@alph \@autodottrue\fi
2782 \ifx #1\@Roman \@autodottrue\fi
2783 \ifx #1\@roman \@autodottrue\fi
2784 \ifx #1\romannumeral \@autodottrue\fi
2785 \fi
2786 \@maybeautodot
2787 }

```

57 File soul-xepersian.def

```

2788 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2789 \let\SOUL@tt@latin\SOUL@tt
2790 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2791 \def\SOUL@tt{%
2792   \if@nonlatin
2793     \SOUL@tt@nonlatin
2794   \else
2795     \SOUL@tt@latin
2796   \fi
2797 }
2798 \bidi@appto\resetlatinfont{%
2799   \setbox\z@\hbox{\SOUL@tt-}%
2800   \SOUL@ttwidth\wd\z@
2801 }
2802 \bidi@appto\setpersianfont{%
2803   \setbox\z@\hbox{\SOUL@tt-}%
2804   \SOUL@ttwidth\wd\z@
2805 }

```

58 File tkz-linknodes-xepersian.def

```

2806 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2807 \renewcommand*{\@SetTab}{%
2808   \let\@alph\@latinalph%
2809   \ifnum \value{C@NumTab}>25\relax%
2810     \setcounter{C@NumTab}{1}%
2811   \else%
2812     \stepcounter{C@NumTab}%
2813   \fi%
2814   \setcounter{C@NumGroup}{0}%
2815   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2816   \setboolean{B@FirstLink}{true}
2817   \setboolean{B@NewGroup}{false}
2818   \setcounter{C@NumGroup}{0}
2819   \setcounter{C@CurrentGroup}{0}
2820   \setcounter{NumC@Node}{0}
2821   \setcounter{NumC@stop}{0}
2822   \setcounter{C@NextNode}{0}
2823   \setcounter{C@CurrentStop}{0}

```



```

2824 \setcounter{C@CurrentNode}{0}
2825 }%

```

59 File tocloft-xepersian.def

```

2826 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2827 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2828 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2829 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2830 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2831 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2832 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2833 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2834 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2835 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2836 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

60 File varioref-xepersian.def

```

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

```



```

2872
2873 \reftextvario{    }{    }{%
2874   \else
2875     on \reftextvario{this}{the current} page%
2876   \fi
2877 }
2878 \def\reftextfaraway#1{%
2879   \if@RTL
2880   %
2881 ~\pageref{#1}%
2882   \else
2883     on page~\pageref{#1}%
2884   \fi
2885 }
2886 \def\reftextpagerange#1#2{%
2887   \if@RTL
2888   %
2889 ~\pageref{#1}--\pageref{#2}%
2890   \else
2891     on pages~\pageref{#1}--\pageref{#2}%
2892   \fi
2893 }
2894 \def\reftextlabelrange#1#2{%
2895   \if@RTL
2896     \ref{#1} %ref{#2}\~
2897   \else
2898     \ref{#1} to~\ref{#2}%
2899   \fi
2900 }

```

61 File xepersian.sty

```

2901 \NeedsTeXFormat{LaTeX2e}
2902 \def\xepersian@version{24.9}
2903 \def\xepersiandate{2023/08/27}
2904 \def\xepersian@releasename{Women, Life, and Freedom}
2905 \def\xepersian@persian@releasename{    }
2906 \newcommand*{\xepersianreleasename}{\if@RTL\xepersian@persian@releasename\else\xepersian@releasename}
2907 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersianreleasename)]
2908 Persian typesetting in XeLaTeX]
2909 \RequirePackage{fontspec}
2910 \RequirePackage{xepersian-persiancal}
2911 \RequirePackage{xepersian-mathdigitspec}
2912 \RequirePackage{bidi}
2913 \edef\xepersian@info{*****~J%
2914 * ~J%
2915 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2916 * ~J%
2917 * Description: The package supports Persian~J%
2918 * typesetting, using fonts provided in the~J%
2919 * distribution.~J%
2920 * ~J%
2921 * Copyright (c) 2008--2023 Vafa Khalighi~J%
2922 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%

```



```

2923 * ^^J%
2924 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
2925 * ^^J%
2926 * License: LaTeX Project Public License, version^^J%
2927 * 1.3c or higher (your choice)^^J%
2928 * ^^J%
2929 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2930 * ^^J%
2931 * Issue tracker: https://github.com/kvafa/xepersian/issues^^J%
2932 * ^^J%
2933 * Discussions: https://github.com/kvafa/xepersian/discussions^^J%
2934 * ^^J%
2935 * Primary author of xepersian package: Vafa Khalighi.^^J%
2936 * ^^J%
2937 *****}
2938 \typeout{\@xepersian@info}
2939 \edef\xepersian@everyjob{\the\everyjob}
2940 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2941 \newcommand*\xepersian@version{
2942   \ensuremath\xepersian@version}
2943 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2944   \ifdim\xepersian@version pt > #1 pt %
2945     \expandafter\@firstoftwo
2946   \else
2947     \expandafter\@secondoftwo
2948   \fi}
2949 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2950   \ifdim\xepersian@version pt < #1 pt %
2951     \expandafter\@firstoftwo
2952   \else
2953     \expandafter\@secondoftwo
2954   \fi}
2955 \newcommand*\IfxepersianPackageVersion}[1]{%
2956   \ifdim\xepersian@version pt = #1 pt %
2957     \expandafter\@firstoftwo
2958   \else
2959     \expandafter\@secondoftwo
2960   \fi}
2961 \def\prq{«}
2962 \def\plq{»}
2963 \def\xepersian@cmds@temp#1{%
2964   \begingroup\expandafter\expandafter\expandafter\endgroup
2965   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2966     \begingroup
2967       \escapechar=-1 %
2968       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2969       \def\y{#1}%
2970       \def\z##1->{}%
2971       \edef\y{\expandafter\z\meaning\y}%
2972     \expandafter\endgroup
2973   \ifx\x\y
2974     \expandafter\def\csname xepersian@#1\endcsname
2975     \expandafter{%
2976       \csname#1\endcsname

```



```

2977     }%
2978     \fi
2979 \fi
2980 }%
2981 \xepersian@cmds@temp{shellescape}
2982 \newif\ifwritexviii
2983 \ifnum\xepersian@shellescape=1\relax
2984   \writexviiiittrue
2985 \else
2986 \writexviiiifalse
2987 \fi
2988 \newfontscript{Persian}{arab}
2989 \newfontlanguage{Persian}{FAR}
2990 \ExplSyntaxOn
2991
2992 \keys_define:nn {fontspec-opentype}
2993 {
2994   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
2995   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2996   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2997 }
2998
2999 \keys_define:nn {fontspec-aat}
3000 {
3001   Ligatures / PersianTeX .code:n =
3002   {
3003     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3004   }
3005 }
3006
3007 \keys_define:nn {fontspec-opentype}
3008 {
3009   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3010   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3011   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3012 }
3013
3014 \keys_define:nn {fontspec-aat}
3015 {
3016   Ligatures / PersianTeXNoNumbers .code:n =
3017   {
3018     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3019   }
3020 }
3021
3022 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3023 {
3024   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3025   \ignorespaces
3026 }
3027 \cs_new:Nn \__xepersian_main_settextfont:nn
3028 {
3029   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3030   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl

```



```

3031 \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3032 {
3033   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3034   \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3035   \exp_not:N \selectfont
3036 }
3037 }
3038 \str_if_eq:eeT {\familydefault} {\rmdefault}
3039 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3040 \__xepersian_settextfont_hook:nn {#1} {#2}
3041 \normalfont
3042 }
3043
3044 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3045
3046 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3047 {
3048   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3049   \ignorespaces
3050 }
3051 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3052 {
3053   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3054   \use:x
3055   {
3056     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3057     {
3058       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3059       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3060       \exp_not:N \selectfont
3061     }
3062   }
3063   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3064   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3065   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3066   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3067   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3068   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3069   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3070   \if@bidi@csundef{xepersian@D}{\%
3071     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3072     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3073     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3074     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3075     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3076     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3077     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3078     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3079   }
3080 }
3081
3082 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\ifnonlatin
3083 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\ifnonlatin
3084

```



```

3085 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3086
3087 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3088 {
3089   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3090   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3091   \ignorespaces
3092 }
3093
3094
3095 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3096 {
3097   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3098   \ignorespaces
3099 }
3100 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3101 {
3102   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3103   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3104     {
3105       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3106       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3107       \exp_not:N \selectfont
3108     }
3109   }
3110   \str_if_eq:eeT {\familydefault} {\rmdefault}
3111   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3112   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3113   \normalfont
3114 }
3115
3116 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3117
3118 \tl_set_eq:NN \setlatinsansfont \setsansfont
3119 \tl_set_eq:NN \setlatinmonofont \setmonofont
3120
3121 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
3122 {
3123   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3124   \NewDocumentCommand
3125 }
3126 \DeclareDocumentCommand \redefpersianfont { m 0{} m 0{} }
3127 {
3128   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3129   \RenewDocumentCommand
3130 }
3131 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3132 {
3133   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
3134   \use:x
3135   {
3136     \exp_not:N #4 \exp_not:N #1 {}
3137     {
3138       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }

```




```

3139     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3140     \exp_not:N \selectfont
3141   }
3142 }
3143 }
3144
3145 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3146 {
3147   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3148   \NewDocumentCommand
3149 }
3150 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3151 {
3152   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3153   \RenewDocumentCommand
3154 }
3155 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3156 {
3157   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3158   \use:x
3159   {
3160     \exp_not:N #4 \exp_not:N #1 {}
3161     {
3162       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3163       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3164       \exp_not:N \selectfont
3165     }
3166   }
3167 }
3168
3169 \newcommand\persiansfdefault{}
3170 \newcommand\persianttdefault{}
3171 \newcommand\iranicsfdefault{}
3172 \newcommand\navarsfdefault{}
3173 \newcommand\pooksfdefault{}
3174 \newcommand\sayehsfdefault{}
3175 \DeclareRobustCommand\persiansffamily
3176     {\not@math@alphabet\persiansffamily\mathpersiansf
3177     \fontfamily\persiansfdefault\selectfont}
3178 \DeclareRobustCommand\persianttfamily
3179     {\not@math@alphabet\persianttfamily\mathpersiantt
3180     \fontfamily\persianttdefault\selectfont}
3181 \DeclareRobustCommand\iranicsfamily
3182     {\not@math@alphabet\iranicsfamily\mathiranics
3183     \fontfamily\iranicsfdefault\selectfont}
3184 \DeclareRobustCommand\navarsfamily
3185     {\not@math@alphabet\navarsfamily\mathnavar
3186     \fontfamily\navarsfdefault\selectfont}
3187 \DeclareRobustCommand\pooksfamily
3188     {\not@math@alphabet\pooksfamily\mathpook
3189     \fontfamily\pooksfdefault\selectfont}
3190 \DeclareRobustCommand\sayehsfamily
3191     {\not@math@alphabet\sayehsfamily\mathsayeh
3192     \fontfamily\sayehsfdefault\selectfont}

```



```

3193 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3194 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3195 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3196 \DeclareTextFontCommand{\textnavar}{\navarfamilly}
3197 \DeclareTextFontCommand{\textpook}{\pookfamily}
3198 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3199
3200 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3201 {
3202   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3203   \ignorespaces
3204 }
3205 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3206 {
3207   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},l
3208   \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3209   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3210     {
3211       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3212       \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3213       \exp_not:N \selectfont
3214     }
3215   }
3216   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3217   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3218   \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3219   \normalfont
3220 }
3221
3222 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3223
3224 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3225 {
3226   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3227   \ignorespaces
3228 }
3229 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3230 {
3231   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},l
3232   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3233   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3234     {
3235       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3236       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3237       \exp_not:N \selectfont
3238     }
3239   }
3240   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3241   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3242   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3243   \normalfont
3244 }
3245
3246 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn

```



```

3247
3248 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3249 {
3250   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3251   \ignorespaces
3252 }
3253 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3254 {
3255   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligatu
3256   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3257   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3258   {
3259     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3260     \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3261     \exp_not:N \selectfont
3262   }
3263 }
3264 \str_if_eq:eeT {\familydefault} {\navardefault}
3265   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3266   \_xepersian_setnavarfont_hook:nn {#1} {#2}
3267   \normalfont
3268 }
3269
3270 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3271
3272 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3273 {
3274   \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3275   \ignorespaces
3276 }
3277 \cs_new:Nn \_xepersian_main_setpookfont:nn
3278 {
3279   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3280   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3281   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3282   {
3283     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3284     \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3285     \exp_not:N \selectfont
3286   }
3287 }
3288 \str_if_eq:eeT {\familydefault} {\pookdefault}
3289   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3290   \_xepersian_setpookfont_hook:nn {#1} {#2}
3291   \normalfont
3292 }
3293
3294 \cs_set_eq:NN \_xepersian_setpookfont_hook:nn \use_none:nn
3295
3296 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3297 {
3298   \_xepersian_main_setsayehfont:nn {#1,#3} {#2}
3299   \ignorespaces
3300 }

```



```

3301 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3302 {
3303   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3304   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3305   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3306     {
3307       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3308       \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3309       \exp_not:N \selectfont
3310     }
3311   }
3312   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3313     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3314   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3315   \normalfont
3316 }
3317
3318 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3319
3320 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3321 {
3322   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3323   \ignorespaces
3324 }
3325 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3326 {
3327   \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3328   \tl_set_eq:NN \iranicondefault \l__fontspec_iranicfamily_family_tl
3329   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
3330     {
3331       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3332       \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
3333       \exp_not:N \selectfont
3334     }
3335   }
3336   \str_if_eq:eeT {\familydefault} {\iranicondefault}
3337     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3338   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3339   \normalfont
3340 }
3341
3342 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3343
3344 \ExplSyntaxOff
3345 \def\resetlatinfont{%
3346 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3347 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3348 \def\xepersian@@fontsize@scale{%
3349 \strip@pt\dimexpr 1pt * \dimexpr
3350 \xepersian@@latin@fontsize@scale pt\relax
3351 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3352 }%
3353 \def\xepersian@@baselineskip@scale{%
3354 \strip@pt\dimexpr 1pt * \dimexpr

```



```

3355 \xepersian@@latin@baselineskip@scale pt\relax
3356 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3357 }%
3358 \@nonlatinfalse%
3359 \let\normalfont\latinfont%
3360 \let\reset@font\normalfont%
3361 \latinfont%
3362 \fontsize\fontsize\fontsize\fontsize@baselineskip%
3363 \selectfont%
3364 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3365 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3366 }
3367 \def\setpersianfont{%
3368 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3369 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3370 \let\xepersian@@fontsize@scale\@ne%
3371 \let\xepersian@@baselineskip@scale\@ne%
3372 \@nonlatintrue%
3373 \let\normalfont\persianfont%
3374 \let\reset@font\normalfont%
3375 \persianfont%
3376 \fontsize\fontsize\fontsize\fontsize@baselineskip%
3377 \selectfont%
3378 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3379 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3380 }
3381 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3382 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3383 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3384 \def\endlatin{\endLTR}
3385 \newenvironment{latin*}{\latin
3386 \everypar{%
3387 {\setbox\z@ \lastbox
3388 \ifvoid\z@
3389 \kern-\parindent
3390 \fi}%
3391 }%
3392 }{\endlatin\@endpetrue}
3393 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3394 \def\endpersian{\endRTL}
3395 \newenvironment{persian*}{\persian
3396 \everypar{%
3397 {\setbox\z@ \lastbox
3398 \ifvoid\z@
3399 \kern-\parindent
3400 \fi}%
3401 }%
3402 }{\endpersian\@endpetrue}
3403 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATRitems}}
3404 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PRTLitems}}
3405 \let\originaltoday=\today
3406 \def\latintoday{\lr{\originaltoday}}
3407 \def\today{\rl{\persiantoday}}
3408 \def \@LTRmarginparreset {%

```



```

3409         \reset@font
3410         \resetlatinfont
3411         \normalsize
3412         \@minipagetrue
3413         \everypar{\@minipagefalse\everypar{}\beginL}%
3414 }
3415 \DeclareRobustCommand\Latincite{%
3416   \@ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3417 \def\@Latincitex[#1]#2{\leavevmode
3418   \let\@citea\@empty
3419   \@cite{\lr{\@for\@citeb:=#2\do
3420     {\@citea\def\@citea{\penalty\@m\ }%
3421       \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3422     \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3423     \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3424     \G@refundefinedtrue
3425     \@latex@warning
3426       {Citation `{\@citeb' on page \thepage \space undefined}}%
3427     {\@cite\ofmt{\csname b@\@citeb\endcsname}}}\{#1}}
3428
3429 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3430
3431 \newif\if@xepersian@@computeautoilg
3432 \newcount\xepersian@tcl
3433 \newdimen\xepersian@ilg
3434 \newdimen\xepersian@strutilg
3435 \chardef\f@ur=4
3436 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3437   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3438   \loop
3439     \iffontchar\font\xepersian@tcl
3440     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3441     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3442       \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3443     \fi
3444     \else
3445       \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3446       \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3447         \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3448       \fi
3449     \fi
3450     \fi
3451     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3452     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3453       \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3454     \fi
3455     \else
3456       \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3457       \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3458         \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3459       \fi
3460     \fi
3461     \fi
3462     \fi

```



```

3463 \advance\xepersian@tcl\@ne
3464 \ifnum\xepersian@tcl<1792\repeat
3465 \advance\xepersian@strutilg\xepersian@ilg
3466 % \ifdim\xepersian@strutilg>\baselineskip
3467 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3468 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3469 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3470 % \selectfont
3471 % \fi
3472 }
3473
3474 \newif\if@@textdigitfont@on
3475
3476 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3477 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3478
3479 \TextDigitFontOn
3480
3481 \newcommand*\xepersian@setlength[4]{%
3482     \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3483     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3484     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3485     \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3486     \else
3487     \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3488     \fi
3489     \else
3490     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3491     \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3492     \else
3493     \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3494     \fi
3495     \fi
3496     \else
3497     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3498     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3499     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3500     \else
3501     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3502     \fi
3503     \else
3504     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3505     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3506     \else
3507     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3508     \fi
3509     \fi
3510     \fi
3511 }
3512
3513 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3514     \@defaultunits\@tempdima#2pt\relax\@nnil
3515     \setlength{\@tempdimc}{\@tempdima}%
3516     \addtolength{\@tempdimc}{-10\p@}%

```



```

3517 \edef\@ptsize{\strip@pt\@tempdimc}%
3518 \@defaultunits\@tempdimb#1pt\relax\@nnil
3519 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3520 \edef\@tempb{\the\@tempdimc}%
3521 \setlength{\@tempdimc}{\@tempdima}%
3522 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3523 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3524 \xepersian@setlength{\abovedisplayskip}%
3525     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3526 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3527 \xepersian@setlength{\belowdisplayshortskip}%
3528     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3529 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3530 \edef\normalsize{%
3531     \noexpand\@setfontsize\noexpand\normalsize
3532     {\the\@tempdima}{\the\@tempdimb}%
3533     \abovedisplayskip \the\abovedisplayskip
3534     \abovedisplayshortskip \the\abovedisplayshortskip
3535     \belowdisplayskip \the\belowdisplayskip
3536     \belowdisplayshortskip \the\belowdisplayshortskip
3537     \let\noexpand\@listi\noexpand\@listI
3538 }%
3539 \setlength{\@tempdima}{0.9125\@tempdimc}%
3540 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3541 \xepersian@setlength{\abovedisplayskip}%
3542     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3543 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3544 \xepersian@setlength{\belowdisplayshortskip}%
3545     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3546 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3547 \edef\small{%
3548     \noexpand\@setfontsize\noexpand\small
3549     {\the\@tempdima}{\the\@tempdimb}%
3550     \abovedisplayskip \the\abovedisplayskip
3551     \abovedisplayshortskip \the\abovedisplayshortskip
3552     \belowdisplayskip \the\belowdisplayskip
3553     \belowdisplayshortskip \the\belowdisplayshortskip
3554     \let\noexpand\@listi\noexpand\@listi@small
3555 }%
3556 \setlength{\@tempdima}{.83334\@tempdimc}%
3557 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3558 \xepersian@setlength{\abovedisplayskip}%
3559     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3560 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3561 \xepersian@setlength{\belowdisplayshortskip}%
3562     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3563 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3564 \edef\footnotesize{%
3565     \noexpand\@setfontsize\noexpand\footnotesize
3566     {\the\@tempdima}{\the\@tempdimb}%
3567     \abovedisplayskip \the\abovedisplayskip
3568     \abovedisplayshortskip \the\abovedisplayshortskip
3569     \belowdisplayskip \the\belowdisplayskip
3570     \belowdisplayshortskip \the\belowdisplayshortskip

```




```

3571 \let\noexpand\@listi\noexpand\@listi@footnotesize
3572 }%
3573 \setlength{\@tempdima}{.6667\@tempdimc}%
3574 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3575 \edef\scriptsize{%
3576 \noexpand\setfontsize\noexpand\scriptsize
3577 {\the\@tempdima}{\the\@tempdimb}%
3578 }%
3579 \setlength{\@tempdima}{.5\@tempdimc}%
3580 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3581 \edef\tiny{%
3582 \noexpand\setfontsize\noexpand\tiny
3583 {\the\@tempdima}{\the\@tempdimb}%
3584 }%
3585 \setlength{\@tempdima}{1.2\@tempdimc}%
3586 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3587 \edef\large{%
3588 \noexpand\setfontsize\noexpand\large
3589 {\the\@tempdima}{\the\@tempdimb}%
3590 }%
3591 \setlength{\@tempdima}{1.44\@tempdimc}%
3592 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3593 \edef\Large{%
3594 \noexpand\setfontsize\noexpand\Large
3595 {\the\@tempdima}{\the\@tempdimb}%
3596 }%
3597 \setlength{\@tempdima}{1.728\@tempdimc}%
3598 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3599 \edef\LARGE{%
3600 \noexpand\setfontsize\noexpand\LARGE
3601 {\the\@tempdima}{\the\@tempdimb}%
3602 }%
3603 \setlength{\@tempdima}{2.074\@tempdimc}%
3604 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3605 \edef\huge{%
3606 \noexpand\setfontsize\noexpand\huge
3607 {\the\@tempdima}{\the\@tempdimb}%
3608 }%
3609 \setlength{\@tempdima}{2.488\@tempdimc}%
3610 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3611 \edef\Huge{%
3612 \noexpand\setfontsize\noexpand\Huge
3613 {\the\@tempdima}{\the\@tempdimb}%
3614 }%
3615 \normalsize
3616 \setlength{\@tempdimb}{\f@baselineskip}%
3617 \xepersian@setlength{\parsep}%
3618 { .3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3619 \xepersian@setlength{\topsep}%
3620 { .6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3621 \@tempswafalse
3622 \begingroup
3623 \def\@list@extra{\aftergroup\@tempswatrue}%
3624 \csname @listi\endcsname

```



```

3625 \endgroup
3626 \edef\@listi{\leftmargin\leftmarginii
3627 \topsep \the\topsep
3628 \parsep \the\parsep
3629 \itemsep \parsep
3630 \if@tempswa\noexpand\@list@extra\fi
3631 }%
3632 \let\@listI\@listi
3633 \xepersian@setlength{\parsep}%
3634 \{.1667\@tempdimb\}{.0833\@tempdimb\}{.0833\@tempdimb}%
3635 \xepersian@setlength{\topsep}%
3636 \{.3333\@tempdimb\}{.1667\@tempdimb\}{.1667\@tempdimb}%
3637 \@tempswafalse
3638 \begingroup
3639 \def\@list@extra{\aftergroup\@tempwattrue}%
3640 \csname @listi\endcsname
3641 \endgroup
3642 \edef\@listi@small{\leftmargin\leftmarginii
3643 \topsep \the\topsep
3644 \parsep \the\parsep
3645 \itemsep \parsep
3646 \if@tempswa\noexpand\@list@extra\fi
3647 }%
3648 \xepersian@setlength{\parsep}%
3649 \{.125\@tempdimb\}{.0625\@tempdimb\}{.0625\@tempdimb}%
3650 \xepersian@setlength{\topsep}%
3651 \{.25\@tempdimb\}{.125\@tempdimb\}{.125\@tempdimb}%
3652 \@tempswafalse
3653 \begingroup
3654 \def\@list@extra{\aftergroup\@tempwattrue}%
3655 \csname @listi\endcsname
3656 \endgroup
3657 \edef\@listi@footnotesize{\leftmargin\leftmarginii
3658 \topsep \the\topsep
3659 \parsep \the\parsep
3660 \itemsep \parsep
3661 \if@tempswa\noexpand\@list@extra\fi
3662 }%
3663 \xepersian@setlength{\parsep}%
3664 \{.1667\@tempdimb\}{.0833\@tempdimb\}{.0833\@tempdimb}%
3665 \xepersian@setlength{\topsep}%
3666 \{.3333\@tempdimb\}{.1667\@tempdimb\}{.0833\@tempdimb}%
3667 \@tempswafalse
3668 \begingroup
3669 \def\@list@extra{\aftergroup\@tempwattrue}%
3670 \csname @listii\endcsname
3671 \endgroup
3672 \edef\@listii{\leftmargin\leftmarginiii
3673 \labelwidth=\dimexpr \leftmargin-\labelsep
3674 \topsep \the\topsep
3675 \parsep \the\parsep
3676 \itemsep \parsep
3677 \if@tempswa\noexpand\@list@extra\fi
3678 }%

```



```

3679 \xepersian@setlength{\topsep}{%
3680     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3681 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3682 \@tempswafalse
3683 \begingroup
3684 \def\@list@extra{aftergroup\@tempwattrue}%
3685 \csname @listiii\endcsname
3686 \endgroup
3687 \edef\@listiii{\leftmargin\leftmarginiii
3688 \labelwidth=\dimexpr \leftmargin-\labelsep
3689 \topsep \the\topsep
3690 \parsep \z@
3691 \partopsep \the\partopsep
3692 \itemsep \topsep
3693 \if@tempswa\noexpand\@list@extra\fi
3694 }%
3695 \@tempswafalse
3696 \begingroup
3697 \def\@list@extra{aftergroup\@tempwattrue}%
3698 \csname @listiv\endcsname
3699 \endgroup
3700 \edef\@listiv{\leftmargin\leftmarginiv
3701 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3702 \if@tempswa\noexpand\@list@extra\fi
3703 }%
3704 \@tempswafalse
3705 \begingroup
3706 \def\@list@extra{aftergroup\@tempwattrue}%
3707 \csname @listv\endcsname
3708 \endgroup
3709 \edef\@listv{\leftmargin\leftmarginv
3710 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3711 \if@tempswa\noexpand\@list@extra\fi
3712 }%
3713 \@tempswafalse
3714 \begingroup
3715 \def\@list@extra{aftergroup\@tempwattrue}%
3716 \csname @listvi\endcsname
3717 \endgroup
3718 \edef\@listvi{\leftmargin\leftmarginvi
3719 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3720 \if@tempswa\noexpand\@list@extra\fi
3721 }%
3722 \@listi
3723 \setlength{\@tempdimb}{\f@baselineskip}%
3724 \setlength{\footnotesep}{.555\@tempdimb}%
3725 \xepersian@setlength{\skip\footins}{%
3726     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3727 \xepersian@setlength{\floatsep}{%
3728     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3729 \xepersian@setlength{\textfloatsep}{%
3730     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3731 \setlength{\intextsep}{\floatsep}%
3732 \setlength{\dblfloatsep}{\floatsep}%

```



```

3733 \setlength{\dbltextfloatsep}{\textfloatsep}%
3734 \setlength{\@fptop}{\z@ \@plus 1fil}%
3735 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3736 \setlength{\@fpbot}{\@fptop}%
3737 \setlength{\@dblftop}{\@fptop}%
3738 \setlength{\@dblfpsep}{\@fpsep}%
3739 \setlength{\@dblfpbot}{\@fptop}%
3740 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3741 }
3742
3743 \renewcommand*{\@bidi@logo@}{%
3744 \@bidi@logo@hb@xt@columnwidth
3745 {\hss\bfseries
3746
3747 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3748
3749 \renewcommand*{\@bidi@pdfcreator}{%
3750 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepers
3751 }
3752
3753 \newcommand*{\@xepersian@pdfcustomproperties}{%
3754 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
3755 Released August 27, 2023.
3756 }
3757
3758 \newcommand\twocolumnstableofcontents{%
3759 \if@bidi@csundef{multi@column@out}{%
3760 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3761 \begin{multicols}{2}[\section*{\contentsname}]%
3762 \small
3763 \starttoc{toc}%
3764 \end{multicols}}%
3765 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
3766 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}%
3767 \AtBeginDocument{%
3768 \def\figurename{\if@RTL else\ Figure\fi}%
3769 \def\tablename{\if@RTL else\ Table\fi}%
3770 \def\contentsname{\if@RTL else\ Contents\fi}%
3771 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3772 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3773 \def\appendixname{\if@RTL else\ Appendix\fi}%
3774 \def\indexname{\if@RTL else\ Index\fi}%
3775 \def\refname{\if@RTL else\ References\fi}%
3776 \def\abstractname{\if@RTL else\ Abstract\fi}%
3777 \def\partname{\if@RTL else\ Part\fi}%
3778 \def\datename{\if@RTL else\ Date:\fi}%
3779 \def\@and{\if@RTL else\ and\fi}%
3780 \def\bibname{\if@RTL else\ Bibliography\fi}%
3781 \def\chaptername{\if@RTL else\ Chapter\fi}%
3782 \def\ccname{\if@RTL else\ cc\fi}%
3783 \def\enclname{\if@RTL else\ encl\fi}%
3784 \def\pagename{\if@RTL else\ Page\fi}%
3785 \def\headtoname{\if@RTL else\ To\fi}%
3786 \def\proofname{\if@RTL else\ Proof\fi}%

```



```

3787 }
3788 \def\@Abjad#1{%
3789   \ifcase#1\or \or\ or\ or\ %
3790           \or \or\ or\ or\ or\ %
3791           \or \or\ or\ or\ or\ %
3792           \or \or\ or\ or\ %
3793           \or \or\ or\ or\ or\ %
3794           \or \or\ or\ or\ or\ %
3795           \else\@ctrerr\fi}
3796 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3797 \let\Abjadnumeral\@Abjad
3798 \def\@harfi#1{\ifcase#1\or \or\ or\ or\ or\ or\
3799 \or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3800 \or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3801 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3802 \let\harfinumeral\@harfi
3803 \newcommand{\adadi}[1]{%
3804 \expandafter\@adadi\csname c@#1\endcsname%
3805 }
3806 \newcommand{\@adadi}[1]{%
3807 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3808 }
3809 \let\adadinumeral\@adadi%
3810 \def\xepersian@numberoutofrange#1#2{%
3811 \PackageError{xepersian}{The number `#1' is too large %
3812 to be formatted using xepersian}{The largest possible %
3813 number is 999,999,999.}%
3814 }
3815 \def\xepersian@numberstring#1#2#3#4{%
3816 \ifnum\number#1<\@ne%
3817 #3%
3818 \else\ifnum\number#1<1000000000 %
3819 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3820 \else%
3821 \xepersian@numberoutofrange{#1}{#4}%
3822 \fi\fi%
3823 }
3824 \def\xepersian@adadi#1#2{%
3825 \expandafter\xepersian@@adadi%
3826 \ifcase%
3827 \ifnum#1<10 1%
3828 \else\ifnum#1<100 2%
3829 \else\ifnum#1<\@m 3%
3830 \else\ifnum#1<\@M 4%
3831 \else\ifnum#1<100000 5%
3832 \else\ifnum#1<1000000 6%
3833 \else\ifnum#1<10000000 7%
3834 \else\ifnum#1<100000000 8%
3835 \else9%
3836 \fi\fi\fi\fi\fi\fi\fi %
3837 \or00000000#1% case 1: Add 8 leading zeros
3838 \or0000000#1% case 2: Add 7 leading zeros
3839 \or000000#1% case 3: Add 6 leading zeros
3840 \or00000#1% case 4: Add 5 leading zeros

```



```

3841 \or0000#1%      case 5: Add 4 leading zeros
3842 \or000#1%       case 6: Add 3 leading zeros
3843 \or00#1%        case 7: Add 2 leading zeros
3844 \or0#1%         case 8: Add 1 leading zero
3845 \or#1%          case 9: Add no leading zeros
3846 \or%
3847 \@nil#2%
3848 \fi%
3849 }
3850 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3851 \ifnum#1#2#3>\z@
3852 \xepersian@milyoongan#1#2#3%
3853 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3854 \fi%
3855 \ifnum#4#5#6>\z@%
3856 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3857 \ifnum#4#5#6>\@ne\fi%
3858 %
3859 \ifnum#7>\z@ \fi%
3860 \fi%
3861 \xepersian@sadgan#7{#4#5#6}1#9%
3862 }
3863 \def\xepersian@milyoongan#1#2#3{%
3864 \ifnum#1#2#3=\@ne%
3865 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3866 %
3867 %
3868 \else%
3869 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3870 %
3871 %
3872 \fi%
3873 }
3874 \def\xepersian@sadgan#1#2#3#4#5#6{%
3875 \ifnum#1>\z@%
3876 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3877 %
3878 \ifnum#2#3>\z@ \fi%
3879 \fi%
3880 \ifnum#2#3<20%
3881 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3882 \else%
3883 \xepersian@dahgan#2%
3884 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3885 #60%
3886 \fi%
3887 }
3888 \def\xepersian@yekani#1{%
3889 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3890 \or or\ or\ or\ or\ or\ or\ %
3891 \or or\ or\ or\ %
3892 \or or\ %fi\
3893 }
3894 \def\xepersian@yekanii#1{%

```



```

3895 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3896 }
3897 \def\xepersian@yekanii#1{%
3898 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3899 }
3900 \def\xepersian@yekaniv#1{%
3901 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3902 \or or\ or\ %fi\
3903 }
3904 \def\xepersian@dahgan#1{%
3905 \ifcase#1\or\or or\ or\ %
3906 \or or\ or\ or\ %
3907 \or %fi\
3908 }
3909 \newcommand{\tartibi}[1]{%
3910 \expandafter\@tartibi\csname c@#1\endcsname%
3911 }
3912 \newcommand{\@tartibi}[1]{%
3913 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3914 }
3915 \let\tartibinumeral\@tartibi%
3916 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3917 \ifnum\number#1<\@ne%
3918 #3%
3919 \else\ifnum\number#1<1000000000 %
3920 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3921 \else%
3922 \xepersian@numberoutofrange{#1}{#4}%
3923 \fi\fi%
3924 }
3925 \def\xepersian@adadi@tartibi#1#2{%
3926 \expandafter\xepersian@@adadi@tartibi%
3927 \ifcase%
3928 \ifnum#1<10 1%
3929 \else\ifnum#1<100 2%
3930 \else\ifnum#1<\@m 3%
3931 \else\ifnum#1<\@M 4%
3932 \else\ifnum#1<100000 5%
3933 \else\ifnum#1<1000000 6%
3934 \else\ifnum#1<10000000 7%
3935 \else\ifnum#1<100000000 8%
3936 \else9%
3937 \fi\fi\fi\fi\fi\fi\fi\fi %
3938 \or00000000#1% case 1: Add 8 leading zeros
3939 \or0000000#1% case 2: Add 7 leading zeros
3940 \or000000#1% case 3: Add 6 leading zeros
3941 \or00000#1% case 4: Add 5 leading zeros
3942 \or0000#1% case 5: Add 4 leading zeros
3943 \or000#1% case 6: Add 3 leading zeros
3944 \or00#1% case 7: Add 2 leading zeros
3945 \or0#1% case 8: Add 1 leading zero
3946 \or#1% case 9: Add no leading zeros
3947 \or%
3948 \@nil#2%

```



```

3949 \fi%
3950 }
3951 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3952 \ifnum#1#2#3>\z@
3953 \xepersian@milyoongan@tartibi#1#2#3%
3954 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3955 \fi%
3956 \ifnum#4#5#6>\z@%
3957 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3958 \ifnum#4#5#6>\@ne \fi%
3959 %
3960 \ifnum#7>\z@\ \fi%
3961 \fi%
3962 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3963 }
3964 \def\xepersian@milyoongan@tartibi#1#2#3{%
3965 \ifnum#1#2#3=\@ne%
3966 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3967 %
3968 %
3969 \else%
3970 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3971 %
3972 %
3973 \fi%
3974 }
3975 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3976 \ifnum#1>\z@%
3977 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3978 %
3979 \ifnum#2#3>\z@\ \fi%
3980 \fi%
3981 \ifnum#2#3<20%
3982 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %\else#6{#2#3}\fi\fi\
3983 \else%
3984 \ifnum#2#3=30%
3985 \xepersian@dahgan@tartibi#2%
3986 \else%
3987 \xepersian@dahgan#2%
3988 \fi%
3989 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3990 #60%
3991 \fi%
3992 }
3993 \def\xepersian@dahgan@tartibi#1{%
3994 \ifcase#1\or\or\or\or\ %
3995 \or\or\or\or\ %
3996 \or %fi\
3997 }
3998 \def\xepersian@tartibi#1{%
3999 \ifcase#1\or\or\or\or\ %
4000 \or\or\or\or\or\ %
4001 \or\or\or\or\ %
4002 \or\or\or\ %

```




```

4003 \or or\ or\ %fi\
4004 }
4005 \def\xepersian@yekanv#1{%
4006 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4007 \or or\ or\ or\ or\ or\ or\ %
4008 \or or\ or\ or\ %
4009 \or or\ %fi\
4010 }
4011 \providecommand*\xpg@warning}[1]{%
4012 \PackageWarning{XePersian}%
4013 {#1}}
4014 \if@bidi@csundef{@abjad}{%
4015 \def@abjad#1{%
4016 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4017 \else
4018 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4019 \else
4020 \ifnum#1<10\expandafter\abj@num@i\number#1%
4021 \else
4022 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4023 \else
4024 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
4025 \else
4026 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4027 \fi
4028 \fi
4029 \fi
4030 \fi
4031 \fi
4032 \fi
4033 }
4034 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4035 \let\abjadnumeral\@abjad
4036 \def\abjad@zero{}
4037 \def\abj@num@i#1{%
4038 \ifcase#1\or or\ or\ or\ %
4039 \or or\ or\ or\ or\ fi\
4040 \ifnum#1=\z@\abjad@zero\fi}
4041 \def\abj@num@ii#1{%
4042 \ifcase#1\or or\ or\ or\ or\ %
4043 \or or\ or\ or\ fi\
4044 \ifnum#1=\z@\fi\abj@num@i}
4045 \def\abj@num@iii#1{%
4046 \ifcase#1\or or\ or\ or\ or\ %
4047 \or or\ or\ or\ fi\
4048 \ifnum#1=\z@\fi\abj@num@ii}
4049 \def\abj@num@iv#1{%
4050 \ifcase#1\or fi\
4051 \ifnum#1=\z@\fi\abj@num@iii}
4052 }{}
4053 \let\@latinalph\@alph%
4054 \let\@latinAlph\@Alph%
4055 \def\LatinAlphs{%
4056 \let\@alph\@latinalph%

```



```

4057 \let\@Alpha\@latinAlpha%
4058 }
4059 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}}
4060 \renewcommand*{\bidi@thebibliography@font@hook}{%
4061 \if@LTRbibitems
4062 \resetlatinfont
4063 \fi}
4064 \bidi@AfterEndPreamble{%
4065 \if@bidi@csundef{persianfont}{%
4066 \PackageError{xepersian}{You have not specified any font\MessageBreak
4067 for the main Persian text}{Use \settextfont' to load a font.}%
4068 }{}}
4069 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4070 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4071 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4072 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4073 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4074 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4075 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4076 \ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4077 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4078 \ifpackageloaded{bidituftesidenote}{\input{bidituftesidenote-xepersian.def}}{}
4079 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4080 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4081 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4082 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4083 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4084 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4085 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4086 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4087 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4088 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4089 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}
4090 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
4091 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4092 \ifclassloaded{article}{\input{article-xepersian.def}}{}
4093 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4094 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4095 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4096 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4097 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4098 \ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4099 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4100 \ifclassloaded{report}{\input{report-xepersian.def}}{}
4101 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4102 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4103 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4104 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4105 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4106 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4107 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4108 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4109 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4110 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}

```



```

4111 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4112 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4113 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4114 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4115 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4116
4117 \def\xepersian@@fontsize@branch#1{%
4118   \@tempcnta\z@
4119   \for\xepersian@tmp:=#1\do{%
4120     \KV@@sp@def\xepersian@frag{\xepersian@tmp}%
4121     \ifcase\@tempcnta\relax% cnta == 0
4122       \edef\xepersian@value{\xepersian@frag}%
4123       \setfontsize{\xepersian@frag}%
4124     \or% cnta == 1
4125       \setfontsize[\xepersian@frag]{\xepersian@value}%
4126     \else\fi
4127     \advance\@tempcnta\@ne}%
4128 }
4129
4130
4131 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4132 \ifcase\xepersian@tempb\relax
4133   \AutoMathDigits
4134 \or
4135   \DefaultMathDigits
4136 \or
4137   \PersianMathDigits
4138 \fi}
4139 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4140 \ifcase\xepersian@tempb\relax
4141   \AutoInlineMathDigits
4142 \or
4143   \DefaultInlineMathDigits
4144 \or
4145   \PersianInlineMathDigits
4146 \fi}
4147 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4148 \ifcase\xepersian@tempb\relax
4149   \AutoDisplayMathDigits
4150 \or
4151   \DefaultDisplayMathDigits
4152 \or
4153   \PersianDisplayMathDigits
4154 \fi}
4155 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{\off}
4156 \ifcase\xepersian@tempb\relax
4157   \@RTLtrue
4158 \or
4159   \@RTLfalse
4160 \fi}
4161
4162 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4163 \ifcase\xepersian@tempb\relax
4164   \@RTLtrue

```



```

4165 \or
4166 \RTLfalse
4167 \fi}
4168
4169
4170 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4171 \ifcase\xepersian@tempb\relax
4172 \RTLtabtrue
4173 \or
4174 \RTLtabfalse
4175 \fi}
4176
4177 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}{latin}
4178 \ifcase\xepersian@tempb\relax
4179 \nonlatinfalse
4180 \or
4181 \nonlatintrue
4182 \fi}
4183
4184 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4185 \ifcase\xepersian@tempb\relax
4186 \RTLtrue
4187 \or
4188 \RTLfalse
4189 \fi}
4190 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,le
4191 \ifcase\xepersian@tempb\relax
4192 \autofootnoterule
4193 \or
4194 \leftfootnoterule
4195 \or
4196 \rightfootnoterule
4197 \or
4198 \SplitFootnoteRule
4199 \or
4200 \textwidthfootnoterule
4201 \fi}
4202 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
4203 \ifcase\xepersian@tempb\relax
4204 \RTL@footnotetrue
4205 \or
4206 \RTL@footnotefalse
4207 \fi}
4208 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4209 \ifcase\xepersian@tempb\relax
4210 \footdir@debugtrue
4211 \or
4212 \footdir@debugfalse
4213 \fi}
4214 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4215 \ifcase\xepersian@tempb\relax
4216 \input{kashida-xepersian.def}
4217 \fi}
4218 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```



```

4219 \ifcase\xepersian@tempb\relax
4220 \input{localise-xepersian.def}
4221 \fi}
4222 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}
4223 \ifcase\xepersian@tempb\relax
4224 \extrafootnotefeaturestrue
4225 \or
4226 \extrafootnotefeaturesfalse
4227 \fi}
4228 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4229 \ifcase\xepersian@tempb\relax
4230 \PackageWarning{xepersian}{Obsolete option}%
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-variant2 -C utf8 -M texindy -M page-ranges \jobname
4236 \@input@{\jobname.ind}}}%
4237 \else
4238 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4239 \fi
4240 \fi}
4241 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
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-variant1 -C utf8 -M texindy -M page-ranges \jobname
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}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
4254 \ifcase\xepersian@tempb\relax
4255 \ifwritexviii%
4256 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4257 \renewcommand\printindex{\newpage%
4258 \immediate\closeout\@indexfile
4259 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4260 \@input@{\jobname.ind}}}%
4261 \else
4262 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4263 \fi
4264 \fi}
4265 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4266 \ifcase\xepersian@tempb\relax
4267 \def\PersianAlphs{%
4268 \let\@alph\@abjad%
4269 \let\@Alph\@abjad%
4270 }
4271 \or
4272 \def\PersianAlphs{%

```



```

4273 \let\@alph\@Abjad%
4274 \let\@Alph\@Abjad%
4275 }
4276 \fi}
4277 \DeclareOptionX{defaultlatinfontfeatures}{%
4278 \defaultfontfeatures
4279 [\latinfont]
4280 {#1}
4281 }
4282
4283 \DeclareOptionX{mathfontsizescale}{%
4284 \def\xepersian@@math@fontsize@scale{#1}%
4285 }
4286
4287 \DeclareOptionX{fontsizescale}{%
4288 \def\xepersian@@fontsize@scale{#1}%
4289 }
4290
4291 \DeclareOptionX{fontsize}{%
4292 \xepersian@@fontsize@branch{#1}%
4293 }
4294
4295 \DeclareOptionX{latinfontsizescale}{%
4296 \def\xepersian@@latin@fontsize@scale{#1}%
4297 }
4298
4299 \DeclareOptionX{baselineskipscale}{%
4300 \def\xepersian@@baselineskip@scale{#1}%
4301 }
4302
4303 \DeclareOptionX{latinbaselineskipscale}{%
4304 \def\xepersian@@latin@baselineskip@scale{#1}%
4305 }
4306
4307 \newcommand*{\xepersian@setmainpersianfont}[1]{%
4308 \setttextfont[%
4309 Path,%
4310 UprightFont=*-Regular,%
4311 BoldFont=*-Bold,%
4312 BoldItalicFont=*-BoldItalic,%
4313 ItalicFont= *-Italic,%
4314 SlantedFont=*-Italic,%
4315 BoldSlantedFont=*-BoldItalic,%
4316 Numbers=Proportional%
4317 ]{#1}%
4318 }
4319
4320 \define@choicekey{xepersian.sty}{mainpersianfont}[\xepersian@tempa\xepersian@tempb]{Default,Parsian,Naskh}%
4321 \ifcase\xepersian@tempb\relax
4322 \xepersian@setmainpersianfont{ParsianTeX}%
4323 \or
4324 \xepersian@setmainpersianfont{Parsian}%
4325 \or
4326 \xepersian@setmainpersianfont{ParsianNaskh}%

```



```

4327 \or
4328 \xepersian@setmainpersianfont{ParsianSans}%
4329 \or
4330 \xepersian@setmainpersianfont{ParsianMono}%
4331 \or
4332 \xepersian@setmainpersianfont{ParsianTeXClassic}%
4333 \fi}
4334
4335 \define@choicekey{xepersian.sty}{persiansansfont}{\xepersian@tempa\xepersian@tempb}{on,off}[
4336 \ifcase\xepersian@tempb\relax
4337 \setpersiansansfont[%
4338 Path,%
4339 UprightFont=*-Regular,%
4340 BoldFont=*-Bold,%
4341 BoldItalicFont=*-BoldItalic,%
4342 ItalicFont= *-Italic,%
4343 SlantedFont=*-Italic,%
4344 BoldSlantedFont=*-BoldItalic,%
4345 Numbers=Proportional%
4346 ]{ParsianSans}%
4347 \or
4348 \relax
4349 \fi}
4350
4351 \define@choicekey{xepersian.sty}{persianmonofont}{\xepersian@tempa\xepersian@tempb}{on,off}[
4352 \ifcase\xepersian@tempb\relax
4353 \setpersianmonofont[%
4354 Path,%
4355 UprightFont=*-Regular,%
4356 BoldFont=*-Bold,%
4357 BoldItalicFont=*-BoldItalic,%
4358 ItalicFont= *-Italic,%
4359 SlantedFont=*-Italic,%
4360 BoldSlantedFont=*-BoldItalic,%
4361 Numbers=Proportional%
4362 ]{ParsianMono}%
4363 \or
4364 \relax
4365 \fi}
4366
4367 \newcommand*\xepersian@setmathdigitfont}[1]{%
4368 \setmathdigitfont[%
4369 Path,%
4370 UprightFont=*-Regular,%
4371 BoldFont=*-Bold,%
4372 BoldItalicFont=*-BoldItalic,%
4373 ItalicFont= *-Italic,%
4374 SlantedFont=*-Italic,%
4375 BoldSlantedFont=*-BoldItalic,%
4376 Numbers=Proportional%
4377 ]{#1}%
4378 }
4379
4380 \define@choicekey{xepersian.sty}{mathdigitfont}{\xepersian@tempa\xepersian@tempb}{Default,Par

```



```

4381 \ifcase\xepersian@tempb\relax
4382 \xepersian@setmathdigitfont{ParsianTeX}%
4383 \or
4384 \xepersian@setmathdigitfont{Parsian}%
4385 \or
4386 \xepersian@setmathdigitfont{ParsianNaskh}%
4387 \or
4388 \xepersian@setmathdigitfont{ParsianSans}%
4389 \or
4390 \xepersian@setmathdigitfont{ParsianMono}%
4391 \or
4392 \xepersian@setmathdigitfont{ParsianTeXClassic}%
4393 \fi}
4394
4395 \define@choicekey{xepersian.sty}{mathsansdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4396 \ifcase\xepersian@tempb\relax
4397 \setmathsfdigitfont[%
4398 Path,%
4399 UprightFont=*-Regular,%
4400 BoldFont=*-Bold,%
4401 BoldItalicFont=*-BoldItalic,%
4402 ItalicFont= *-Italic,%
4403 SlantedFont=*-Italic,%
4404 BoldSlantedFont=*-BoldItalic,%
4405 Numbers=Proportional%
4406 ]{ParsianSans}%
4407 \or
4408 \relax
4409 \fi}
4410
4411 \define@choicekey{xepersian.sty}{mathmonodigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4412 \ifcase\xepersian@tempb\relax
4413 \setmathtttdigitfont[%
4414 Path,%
4415 UprightFont=*-Regular,%
4416 BoldFont=*-Bold,%
4417 BoldItalicFont=*-BoldItalic,%
4418 ItalicFont= *-Italic,%
4419 SlantedFont=*-Italic,%
4420 BoldSlantedFont=*-BoldItalic,%
4421 Numbers=Proportional%
4422 ]{ParsianMono}%
4423 \or
4424 \relax
4425 \fi}
4426
4427 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4428 \ifcase\xepersian@tempb\relax
4429 \AtBeginDocument{\@bidi@inslogo@}%
4430 \or
4431 \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty
4432 \fi}
4433
4434 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```




```

4435 \ifcase\xepersian@tempb\relax
4436 \@bidi@pdfm@marktrue
4437 \or
4438 \@bidi@pdfm@markfalse
4439 \fi}
4440
4441 \define@choicekey{xepersian.sty}{computeautoilg}{\xepersian@tempa\xepersian@tempb}{on,off}{on}
4442 \ifcase\xepersian@tempb\relax
4443 \@xepersian@@computeautoilgtrue
4444 \or
4445 \@xepersian@@computeautoilgfalse
4446 \fi}
4447
4448 \define@choicekey{xepersian.sty}{DetectColumn}{\xepersian@tempa\xepersian@tempb}{on,off}{on}
4449 \ifcase\xepersian@tempb\relax
4450 \def\bidi@firstcolumn@status@write{%
4451 \protected@write\@auxout{%
4452 {\string\bidi@column@status
4453 {1}}}%
4454 \def\bidi@lastcolumn@status@write{%
4455 \protected@write\@auxout{%
4456 {\string\bidi@column@status{2}}}%
4457 \or
4458 \let\bidi@firstcolumn@status@write\relax
4459 \let\bidi@lastcolumn@status@write\relax
4460 \fi}
4461
4462
4463 \define@choicekey{xepersian.sty}{debugtextdigitfont}{\xepersian@tempa\xepersian@tempb}{on,off}{on}
4464 \ifcase\xepersian@tempb\relax
4465 \bidi@AtEndPreamble{%
4466 \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4467 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{-}{-}%
4468 }
4469 \or
4470 \relax
4471 \fi}
4472
4473 \define@choicekey{xepersian.sty}{perpagefootnote}{\xepersian@tempa\xepersian@tempb}{on,off}{on}
4474 \ifcase\xepersian@tempb\relax
4475 \@bidi@perpage@footnotetrue
4476 \or
4477 \@bidi@perpage@footnotefalse
4478 \fi}
4479
4480 \ExecuteOptionsX{%
4481 documentdirection=righttoleft,
4482 tabledirection=righttoleft,
4483 script=nonlatin,
4484 footnotedirection=righttoleft,
4485 footnoterule=automatic,
4486 abjadvariant=two,
4487 DetectColumn=off,
4488 fontsize=12pt,

```



```

4489     latinfontsscale=\@ne,
4490     mathfontsscale=\@ne,
4491     baselineskip=\@ne,
4492     latinbaselineskip=\@ne,
4493     mainpersianfont=Default,
4494     mathdigitfont=Default
4495 }
4496
4497 \ProcessOptionsX
4498
4499 \if@extrafootnotefeatures
4500   \input{extrafootnotefeatures-xetex-bidi.def}%
4501   \input{extrafootnotefeatures-xepersian.def}%
4502 \fi
4503
4504 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4505   \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
4506 }{}{}
4507
4508 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4509   \@tempkipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
4510 }{}{}
4511
4512
4513 \newcommand*{\xepersian@@@update@math@fontsize}[1]{%
4514   \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
4515   \dimexpr 1pt * \dimexpr #1 pt\relax /
4516   \dimexpr \xepersian@@@fontsize@scale pt\relax
4517   \relax\relax
4518 }
4519
4520 \bidi@patchcmd{\getanddefine@fonts}{%
4521   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4522 }{%
4523   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size\endcsname}%
4524 }{}{}
4525
4526 \bidi@patchcmd{\getanddefine@fonts}{%
4527   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4528 }{%
4529   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sfont@size\endcsname}%
4530 }{}{}
4531
4532 \bidi@patchcmd{\getanddefine@fonts}{%
4533   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4534 }{%
4535   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size\endcsname}%
4536 }{}{}
4537
4538
4539 \if\xepersian@@@computeautoilg
4540 \bidi@patchcmd{\set@fontsize}{%
4541   \baselineskip\font@baselineskip\relax
4542 }{%

```



```

4543 \baselineskip\f@baselineskip\relax
4544 \xepersian@computeautoilg
4545 \ifdim\xepersian@strutilg>\baselineskip
4546 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4547 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4548 \baselineskip\xepersian@strutilg
4549 \ifdim\footnotesep=.7\baselineskip
4550 \else
4551 \footnotesep=.7\baselineskip
4552 \fi
4553 \fi
4554 }{}{}
4555 \fi
4556
4557 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4558 \PersianAlphs

```

62 File xepersian-magazine.cls

```

4559 \NeedsTeXFormat{LaTeX2e}
4560 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4561 \RequirePackage{ifthen}
4562 \newlength{\xepersian@imgsize}
4563 \newlength{\xepersian@coltitsize}
4564 \newlength{\xepersian@pageneed}
4565 \newlength{\xepersian@pageleft}
4566 \newlength{\xepersian@indexwidth}
4567 \newcommand{\xepersian@ncolumns}{0}
4568 \newlength{\columnlines}
4569 \setlength{\columnlines}{0 pt} % no lines by default
4570 \newboolean{xepersian@hyphenatedtitles}
4571 \setboolean{xepersian@hyphenatedtitles}{true}
4572 \newboolean{xepersian@ninepoints}
4573 \setboolean{xepersian@ninepoints}{false}
4574 \newboolean{xepersian@showgrid}
4575 \setboolean{xepersian@showgrid}{false}
4576 \newboolean{xepersian@a3paper}
4577 \setboolean{xepersian@a3paper}{false}
4578 \newboolean{xepersian@insidefrontpage}
4579 \setboolean{xepersian@insidefrontpage}{false}
4580 \newboolean{xepersian@insideweather}
4581 \setboolean{xepersian@insideweather}{false}
4582 \newboolean{xepersian@insideindex}
4583 \setboolean{xepersian@insideindex}{false}
4584 \newcount\xepersian@gridrows
4585 \newcount\xepersian@gridcolumns
4586 \xepersian@gridrows=40
4587 \xepersian@gridcolumns=50
4588 \newcount\minraggedcols
4589 \minraggedcols=5
4590 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4591 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4592 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4593 \DeclareOption{twocolumn}{%

```



```

4594 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4595 \DeclareOption{notitlepage}%
4596 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4597 \DeclareOption{twoside}%
4598 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4599 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4600 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4601 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4602 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4603 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4604 \ProcessOptions\relax
4605 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4606 \RequirePackage{ifxetex}
4607 \RequirePackage{multido}
4608 \RequirePackage{datetime}
4609 \RequirePackage{multicol}
4610 \RequirePackage{fancyhdr}
4611 \RequirePackage{fancybox}
4612 \ifthenelse{\boolean{xepersian@a3paper}}{%
4613 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4614 }{
4615 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4616 }
4617 \RequirePackage[absolute]{textpos} % absolute positioning
4618 \RequirePackage{hyphenat} % when hyphenate
4619 \RequirePackage{lastpage} % to know the last page number
4620 \RequirePackage{setspace} % set space between lines
4621 \RequirePackage{ragged2e}
4622 \newcommand{\raggedFormat}{\RaggedLeft}
4623 \AtEndOfClass{\xepersianInit}
4624 \ifthenelse{\boolean{xepersian@showgrid}}{%
4625 \AtBeginDocument{
4626 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4627 \advance\minraggedcols by -1
4628 }{%
4629 \AtBeginDocument{
4630 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4631 \advance\minraggedcols by -1
4632 }
4633 \ifthenelse{\boolean{xepersian@ninepoints}}{
4634 \renewcommand{\normalsize}{%
4635 \setfontsize{\normalsize}{9pt}{10pt}%
4636 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4637 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4638 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4639 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4640
4641 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4642
4643 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4644
4645 \renewcommand{\small}{%
4646 \setfontsize{\small}{8pt}{9pt}%
4647 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%

```



```

4648 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4649 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4650 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}%
4651
4652 \renewcommand{\footnotesize}{%
4653 \setfontsize{\footnotesize}{8pt}{9pt}%
4654 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4655 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4656 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4657 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4658
4659 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4660 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4661 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4662 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4663 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4664 }{}
4665 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4666 \newcommand{\xepersian@wwwFormat}{\sffamily}
4667 \newcommand{\xepersian@www}{%
4668 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4669 }
4670 \newcommand{\xepersian@edition}{
4671 \newcommand{\editionFormat}{\large\bfseries\texttt}
4672 \newcommand{\xepersian@editionLogo}{%
4673 \raisebox{-3pt}{%
4674 {\editionFormat\xepersian@edition}%
4675 }%
4676 }
4677 \newcommand{\indexFormat}{\large\bfseries}
4678 \newcommand{\xepersian@indexFrameTitle}[1]
4679 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4680
4681 \newcommand{\indexEntryFormat}{\normalsize}
4682 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4683 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4684 \end{minipage}}
4685 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4686 \newcommand{\indexEntryPageTxt}{
4687 \newcommand{\indexEntryPageFormat}{\footnotesize}
4688 \newcommand{\xepersian@indexEntryPage}[1]{%
4689 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4690 }
4691 \newcommand{\headDateTimeFormat}{}
4692 \newcommand{\xepersian@headDateTime}{%
4693 \headDateTimeFormat\date\hspace{5pt}\$ \parallel $\hspace{5pt}%
4694 \currenttime %
4695 }
4696 \newcommand{\weatherFormat}{\bfseries}
4697 \newcommand{\xepersian@weather}[1]{%
4698 \noindent{\weatherFormat #1}%
4699 }
4700 \newcommand{\weatherTempFormat}{\small}
4701 \newcommand{\weatherUnits}{\textdegree}{C}

```



```

4702 \newcommand{\xepersian@section}[0]{ {
4703 \newcommand{\xepersian@headleft}{%
4704 {\small\bfseries \@custommagaziname} \date
4705 }
4706 \newcommand{\xepersian@headcenter}{%
4707 \xepersian@section{}
4708 }
4709 \newcommand{\xepersian@headright}{%
4710 \small\xepersian@edition%
4711 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4712 }
4713
4714 \newcommand{\heading}[3]{%
4715 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4716 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4717 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4718 }
4719 \newcommand{\xepersian@footright}{%
4720 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4721 }
4722 \newcommand{\xepersian@footcenter}{%
4723 }
4724 \newcommand{\xepersian@footleft}{%
4725 }
4726
4727 \newcommand{\foot}[3]{%
4728 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4729 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4730 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4731 }
4732 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4733 \newcommand{\xepersian@firstTitle}[1]{%
4734 {%
4735 \begin{spacing}{2.0}{%
4736 \noindent\ignorespaces
4737 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4738 {\nohyphens{\firstTitleFormat #1}}%
4739 {\firstTitleFormat #1}}%
4740 }%
4741 \end{spacing}%
4742 }%
4743 }
4744 \newcommand{\firstTextFormat}{%
4745 \newcommand{\xepersian@firstText}[1]{%
4746 {\noindent\ignorespaces\firstTextFormat #1}%
4747 }
4748 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4749 \newcommand{\xepersian@secondTitle}[1]{%
4750 \begin{spacing}{1.5}{%
4751 \noindent\ignorespaces\flushright
4752 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4753 {\nohyphens{\secondTitleFormat #1}}%
4754 {\secondTitleFormat #1}}%
4755 \end{spacing}%

```



```

4756 }
4757 \newcommand{\secondSubtitleFormat}{\large}
4758 \newcommand{\xepersian@secondSubtitle}[1]{%
4759 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4760 }
4761 \newcommand{\secondTextFormat}{%
4762 \newcommand{\xepersian@secondText}[1]{%
4763 \begin{multicols}{2}
4764 {\noindent\ignorespaces\secondTextFormat #1}
4765 \end{multicols}
4766 }
4767 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4768 \newcommand{\xepersian@thirdTitle}[1]{%
4769 \begin{spacing}{1.5}{%
4770 \noindent\ignorespaces\flushright
4771 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4772 {\nohyphens{\thirdTitleFormat #1}}%
4773 {\thirdTitleFormat #1}}%
4774 }\end{spacing}%
4775 }
4776 \newcommand{\thirdSubtitleFormat}{\large}
4777 \newcommand{\xepersian@thirdSubtitle}[1]{%
4778 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4779 \newcommand{\thirdTextFormat}{%
4780 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4781 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4782 \newcommand{\xepersian@pictureCaption}[1]{%
4783 {\noindent\pictureCaptionFormat #1}%
4784 }
4785 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4786 \newcommand{\xepersian@pages}[1]{%
4787 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4788 \newcommand{\innerTitleFormat}{\Huge}
4789 \newcommand{\xepersian@innerTitle}[1]{%
4790 \begin{flushright}{%
4791 \noindent
4792 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4793 {\nohyphens{\innerTitleFormat #1}}%
4794 {\innerTitleFormat #1}}%
4795 }%
4796 \\%
4797 \end{flushright}}%
4798 }
4799 \newcommand{\innerSubtitleFormat}{\large}
4800 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4801 \newcommand{\timestampTxt}{%
4802 \newcommand{\timestampSeparator}{|}
4803 \newcommand{\timestampFormat}{\small}
4804 \newcommand{\timestamp}[1]{%
4805 {\timestampFormat%
4806 #1~\timestampTxt}%
4807 }~\timestampSeparator}%
4808 }
4809 \newcommand{\innerAuthorFormat}{\footnotesize}

```



```

4810 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4811 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4812 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4813 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4814 \newcommand{\editorialAuthorFormat}{\textsc}
4815 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4816 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
4817 \newcommand{\shortarticleSubtitleFormat}{\Large}
4818 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
4819 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4820 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
4821 \renewcommand{\maketitle}{\begin{titlepage}%
4822 \let\footnotesize\small
4823 \let\footnoterule\relax
4824 \let\footnote\thanks
4825 \null\vfil
4826 \vskip 60\p@
4827 \begin{center}%
4828 {\LARGE \@title \par}%
4829 \vskip 1em%
4830 {\LARGE «\xepersian@edition» \par}%
4831 \vskip 3em%
4832 {\large
4833 \lineskip .75em%
4834 \begin{tabular}[t]{c}%
4835 \@author
4836 \end{tabular}\par}%
4837 \vskip 1.5em%
4838 {\large \@date \par}%
4839 \end{center}\par
4840 \@thanks
4841 \vfil\null
4842 \end{titlepage}%
4843 \setcounter{footnote}{0}%
4844 \global\let\thanks\relax
4845 \global\let\maketitle\relax
4846 \global\let\@thanks\@empty
4847 \global\let\@author\@empty
4848 \global\let\@date\@empty
4849 \global\let\@title\@empty
4850 \global\let\title\relax
4851 \global\let\author\relax
4852 \global\let\date\relax
4853 \global\let\and\relax
4854 }
4855 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4856 \newsavebox{\xepersian@fmbox}
4857 \newenvironment{xepersian@fmpage}[1]
4858 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4859 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4860 \newcommand{\image}[2]{
4861 \vspace{5pt}
4862 \setlength{\fboxsep}{1pt}
4863 \addtolength{\xepersian@imgsize}{\columnwidth}

```




```

4864 \addtolength{\xepersian@imgsize}{-1\columnsep}
4865 \ifxetex
4866 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4867 \addtolength{\xepersian@pageneed}{50pt}
4868 \ClassWarning{xepersian-magazine}{%
4869 Image #1 needs: \the\xepersian@pageneed \space %
4870 and there is left: \the\page@free\space%
4871 }
4872 \ifdim \xepersian@pageneed < \page@free
4873
4874 {\centering\fbbox{%
4875 \includegraphics[width = \xepersian@imgsize,
4876 height = \xepersian@imgsize,
4877 keepaspectratio ]{#1}}
4878 \xepersian@pictureCaption{#2}
4879
4880 \vspace{5pt}
4881 \else
4882 \ClassWarning{Image #1 needs more space!%
4883 It was not inserted!}
4884 \fi
4885 \fi
4886 }
4887 \textblockorigin{1cm}{1cm}
4888 \newdimen\xepersian@dx
4889 \newdimen\xepersian@dy
4890 \newcount\xepersian@cx
4891 \newcount\xepersian@cy
4892 \newcommand{\grid}[3][[]]{
4893 \xepersian@dx=\textwidth%
4894 \xepersian@dy=\textheight%
4895 \xepersian@cx=#3% %columns
4896 \xepersian@cy=#2% %rows
4897
4898 \count1=#3%
4899 \advance\count1 by 1
4900
4901 \count2=#2%
4902 \advance\count2 by 1
4903
4904 \divide\xepersian@dx by #3
4905 \divide\xepersian@dy by #2
4906
4907 \setlength{\TPHorizModule}{\xepersian@dx}
4908 \setlength{\TPVertModule}{\xepersian@dy}
4909
4910 \ifthenelse{\equal{#1}{show}}{
4911 \multido{\xepersian@nrow=0+1}{\count2}{
4912 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4913 \rule[0pt]{\textwidth}{.1pt}
4914 \end{textblock}
4915 }
4916
4917 \multido{\xepersian@ncol=0+1}{\count1}{

```



```

4918 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4919 \rule[0pt]{.1pt}{\textheight}
4920 \end{textblock}
4921 }
4922 }{}
4923 }
4924 \newcommand{\xepersianInit}{
4925 \setlength{\headheight}{14pt}
4926 \renewcommand{\headrulewidth}{0.4pt}
4927
4928 \pagestyle{fancy}
4929
4930 \setlength{\columnseprule}{\columnlines}
4931 \setlength{\fboxrule}{0.1 pt}
4932
4933 }
4934
4935 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4936 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4937 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4938 \newcommand{\logo}[0]{
4939 %% Heading %%
4940 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4941
4942 \vspace*{-3pt}
4943
4944 {\Large\bfseries \@customlogo}
4945 \hrulefill
4946 \hspace{10pt}\xepersian@headDateTime
4947
4948 }
4949 \newcommand{\minilogo}[0]{
4950 {\large\bfseries \@customminilogo}
4951
4952 \vspace*{5pt}
4953 }
4954 \newcommand{\mylogo}[1]{
4955 {\beginR#1\endR}
4956
4957 \noindent
4958 \xepersian@editionLogo\hspace{5pt}
4959 \hrulefill
4960 \hspace{5pt}\xepersian@headDateTime
4961 }
4962 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4963 \newenvironment{frontpage}[0]
4964 {
4965 \setboolean{xepersian@insidefrontpage}{true}
4966 \thispagestyle{empty}
4967 \logo
4968
4969 }%
4970 {
4971 \thispagestyle{empty}

```



```

4972 \clearpage
4973 \newpage
4974 \fancyhead{}
4975 \fancyfoot{}
4976 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4977 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4978 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4979 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4980 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4981 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4982 \renewcommand{\headrulewidth}{0.4pt}
4983 \setboolean{xepersian@insidefrontpage}{false}
4984
4985 }
4986 \newcommand{\firstarticle}[3]
4987 {
4988 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4989 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4990 \begin{textblock}{24}(22,5)
4991 }
4992 {
4993 \begin{textblock}{28}(22,5)
4994 }
4995 \vspace{-7pt}
4996 \xepersian@firstTitle{#1}
4997 \end{textblock}
4998 \begin{textblock}{29}(22,10)
4999 \vspace{5pt plus 2pt minus 2pt}
5000
5001 \xepersian@firstText{\timestamp{#3}~#2}
5002
5003 \end{textblock}
5004
5005 \begin{textblock}{50}(0,15)
5006 \rule{50\TPHorizModule}{.3pt}
5007 \end{textblock}
5008 }{%else
5009 \ClassError{xepersian-magazine}{%
5010 \protect\firstarticle\space in a wrong place.\MessageBreak
5011 \protect\firstarticle\space may only appear inside frontpage environment.
5012 }{%
5013 \protect\firstarticle\space may only appear inside frontpage environment.
5014 }%
5015 }
5016 }
5017 \newcommand{\secondarticle}[5]
5018 {
5019 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5020 \begin{textblock}{33}(2,16)
5021 \xepersian@pages{#4}
5022 \vspace{-5pt}
5023 \xepersian@secondTitle{#1}
5024
5025 \vspace*{5pt}

```



```

5026
5027 \xepersian@secondSubtitle{#2}
5028
5029 \vspace*{-7pt}
5030
5031 \xepersian@secondText{\timestamp{#5}~#3}
5032
5033 \end{textblock}
5034
5035 \begin{textblock}{33}(2,25)
5036 \vspace{5pt plus 2pt minus 2pt}
5037
5038 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
5039 \end{textblock}
5040 }{%else
5041 \ClassError{xepersian-magazine}{%
5042 \protect\secondarticle\space in a wrong place.\MessageBreak
5043 \protect\secondarticle\space may only appear inside frontpage environment.
5044 }{%
5045 \protect\secondarticle\space may only appear inside frontpage environment.
5046 }%
5047 }
5048 }
5049 \newcommand{\thirdarticle}[6]
5050 {
5051 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5052 \begin{textblock}{32}(2,26)
5053 \xepersian@pages{#5}
5054 \vspace{-5pt}
5055 \setlength{\fboxsep}{1pt}
5056 \xepersian@thirdTitle{#1}
5057
5058 \vspace*{5pt}
5059
5060 \xepersian@thirdSubtitle{#2}
5061
5062 \vspace*{5pt}
5063
5064 {\noindent\ignorespaces %
5065 \ifthenelse{\equal{#4}{}}{}{}
5066
5067 \xepersian@thirdText{\timestamp{#6}~#3}
5068
5069 }
5070
5071 \vspace*{5pt}
5072
5073 \end{textblock}
5074 }{%else
5075 \ClassError{xepersian-magazine}{%
5076 \protect\thirdarticle\space in a wrong place.\MessageBreak
5077 \protect\thirdarticle\space may only appear inside frontpage environment.
5078 }{%
5079 \protect\thirdarticle\space may only appear inside frontpage environment.

```



```

5080 }%
5081 }
5082 }
5083 \newcommand{\firstimage}[2]
5084 {
5085 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5086 \begin{textblock}{18}(2,5)
5087 \setlength{\fboxsep}{1pt}
5088 \ifxetex % only in PDF
5089 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
5090 \fi
5091
5092 \xepersian@pictureCaption{#2}
5093 \end{textblock}}%
5094 }
5095 {\ClassError{xepersian-magazine}{%
5096 \protect\firstimage\space in a wrong place.\MessageBreak
5097 \protect\firstimage\space may only appear inside frontpage environment.
5098 }{%
5099 \protect\firstimage\space may only appear inside frontpage environment.
5100 }}
5101 }%
5102 \newcommand{\weatheritem}[5]{%
5103 \ifthenelse{\boolean{xepersian@insideweather}}{
5104 \begin{minipage}{45pt}
5105 \ifxetex
5106 \includegraphics[width=40pt]{#1}
5107 \fi
5108 \end{minipage}
5109 \begin{minipage}{50pt}
5110 \weatherTempFormat
5111 #2\\
5112 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
5113 #5
5114 \end{minipage}
5115 }{%else
5116 \ClassError{xepersian-magazine}{%
5117 \protect\weatheritem\space in a wrong place.\MessageBreak
5118 \protect\weatheritem\space may only appear inside weatherblock environment.
5119 }{%
5120 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
5121 weatherblock environment may only appear inside frontpage environment.
5122 }%
5123 }
5124 }
5125 \newenvironment{weatherblock}[1]
5126 {
5127 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5128 \setboolean{xepersian@insideweather}{true}
5129 \begin{textblock}{32}(2,38)
5130 \vspace*{-15pt}
5131
5132 \xepersian@weather{\beginR#1\endR}
5133

```



```

5134 \vspace*{5pt}
5135
5136 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5137 \begin{minipage}{32\TPHorizModule}
5138 \hspace{5pt}
5139
5140 }{%
5141 \ClassError{xepersian-magazine}{%
5142 weatherblock in a wrong place.\MessageBreak
5143 weatherblock may only appear inside frontpage environment.
5144 }{%
5145 weatherblock may only appear inside frontpage environment.
5146 }
5147 }
5148 }%
5149 {
5150 \end{minipage}
5151 \end{xepersian@fmpage}
5152 \end{textblock}
5153 \setboolean{xepersian@insideweather}{false}
5154 }
5155 \newenvironment{authorblock}[0]
5156 {
5157 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5158 \begin{textblock}{15}(36,35)
5159 \setlength{\fboxsep}{5pt}
5160 \begin{xepersian@fmpage}{13\TPHorizModule}
5161 \begin{minipage}{13\TPHorizModule}
5162 \centering
5163 \minilogo
5164
5165 }{%else
5166 \ClassError{xepersian-magazine}{%
5167 authorblock in a wrong place.\MessageBreak
5168 authorblock may only appear inside frontpage environment.
5169 }{%
5170 authorblock may only appear inside frontpage environment.
5171 }
5172 }
5173 }
5174 {
5175 \end{minipage}
5176 \end{xepersian@fmpage}
5177 \end{textblock}
5178 }
5179 \newenvironment{indexblock}[1]
5180 {
5181 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5182 \setboolean{xepersian@insideindex}{true}%let's in
5183 \begin{textblock}{15}(36,16)
5184 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5185 \xepersian@indexFrameTitle{#1}
5186
5187 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen

```



```

5188 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5189 \begin{minipage}{\xepersian@indexwidth}
5190 \vspace*{10pt}
5191 }{%else
5192 \ClassError{xepersian-magazine}{%
5193 indexblock in a wrong place.\MessageBreak
5194 indexblock may only appear inside frontpage environment.
5195 }{%
5196 indexblock may only appear inside frontpage environment.
5197 }
5198 }
5199 }%
5200 {
5201 \end{minipage}
5202 \end{xepersian@fmpage}
5203 \end{textblock}
5204 \setboolean{xepersian@insideindex}{false}%let's out
5205 }
5206 \newcommand{\indexitem}[2]
5207 {
5208 \ifthenelse{\boolean{xepersian@insideindex}}{
5209 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5210
5211 \vspace{0.5cm}
5212
5213 \noindent\ignorespaces\indexEntrySeparator{}
5214 }{%else
5215 \ClassError{xepersian-magazine}{%
5216 \protect\indexitem\space in a wrong place.\MessageBreak
5217 \protect\indexitem\space may only appear inside indexblock environment.
5218 }{%
5219 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5220 indexblock environment may only appear inside frontpage environment.
5221 }%
5222 }
5223 }
5224 \newcommand{\xepersian@inexpandedtitle}[1]{
5225 \begin{minipage}{.95\textwidth}
5226 \begin{center}
5227 \noindent\Large\textbf{\beginR#1\endR}
5228 \end{center}
5229 \end{minipage}
5230 }
5231 \newcommand{\expandedtitle}[2]{
5232 \end{multicols}
5233
5234 \begin{center}
5235 \setlength{\fboxsep}{5pt}
5236 \setlength{\shadowsize}{2pt}
5237 \ifthenelse{\equal{#1}{shadowbox}}{%
5238 \shadowbox{
5239 \xepersian@inexpandedtitle{#2}%
5240 }%
5241 }{}

```



```

5242 \ifthenelse{\equal{#1}{doublebox}}{%
5243 \doublebox{%
5244 \xepersian@inexpandedtitle{#2}%
5245 }%
5246 }{}
5247 \ifthenelse{\equal{#1}{ovalbox}}{%
5248 \ovalbox{%
5249 \xepersian@inexpandedtitle{#2}%
5250 }%
5251 }{}
5252 \ifthenelse{\equal{#1}{Ovalbox}}{%
5253 \Ovalbox{%
5254 \xepersian@inexpandedtitle{#2}%
5255 }%
5256 }{}
5257 \ifthenelse{\equal{#1}{lines}}{
5258 \hrule
5259 \vspace*{8pt}
5260 \begin{center}
5261 \noindent\Large\textbf{#2}
5262 \end{center}
5263 \vspace*{8pt}
5264 \hrule
5265 }{}
5266 \end{center}
5267
5268 \begin{multicols}{\xepersian@ncolumns}
5269 \ifnum \xepersian@ncolumns > \minraggedcols
5270 \raggedFormat
5271 \fi
5272 }
5273 \newcommand{\xepersian@incolumntitle}[2]{
5274 \begin{minipage}{#1}
5275 \begin{center}
5276 \noindent\normalsize\textbf{#2}
5277 \end{center}
5278 \end{minipage}
5279 }
5280
5281 \newcommand{\columntitle}[2]{
5282 \vspace*{5pt}
5283 \begin{center}
5284 \setlength{\fboxsep}{5pt}
5285 \setlength{\shadowsize}{2pt}
5286 \addtolength{\xepersian@coltitsize}{\columnwidth}
5287 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5288 \addtolength{\xepersian@coltitsize}{-5pt}
5289 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5290 \ifthenelse{\equal{#1}{shadowbox}}{%
5291 \shadowbox{%
5292 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5293 }%
5294 }{}
5295 \ifthenelse{\equal{#1}{doublebox}}{%

```




```

5296 \doublebox{%
5297 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5298 }%
5299 }{}
5300 \ifthenelse{\equal{#1}{ovalbox}}{%
5301 \ovalbox{%
5302 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5303 }%
5304 }{}
5305 \ifthenelse{\equal{#1}{Ovalbox}}{%
5306 \Ovalbox{%
5307 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5308 }%
5309 }{}
5310 \ifthenelse{\equal{#1}{lines}}{
5311 \hrule
5312 \vspace*{5pt}
5313 \begin{center}
5314 \noindent\normalsize\textbf{#2}
5315 \end{center}
5316 \vspace*{5pt}
5317 \hrule
5318 }{}
5319 \end{center}
5320 }
5321 \renewcommand{\date}{%
5322 \longdate{\today}%
5323 }
5324 \newcommand{\authorandplace}[2]{%
5325 \rightline{%
5326 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5327 }%
5328 \par %
5329 }
5330 \newcommand{\newsection}[1]{
5331 \renewcommand{\xepersian@section}{#1}
5332 }
5333 \newenvironment{article}[5]
5334 {
5335 \xepersian@say{Adding a new piece of article}
5336 \renewcommand{\xepersian@ncolumns}{#1}
5337 \begin{multicols}{#1}[
5338 \xepersian@pages{#4}
5339 \xepersian@innerTitle{#2}%
5340 \xepersian@innerSubtitle{#3}%
5341 ][4cm]%
5342 \label{#5}
5343 \ifnum #1 > \minraggedcols
5344 \raggedFormat
5345 \fi
5346 }
5347 {-\innerTextFinalMark{}
5348 \end{multicols}
5349 }

```



```

5350 \newcommand{\articlesep}{%
5351 \setlength{\xepersian@pageneed}{16000pt}
5352 \setlength{\xepersian@pageleft}{\pagegoal}
5353 \addtolength{\xepersian@pageleft}{-\pagetotal}
5354
5355 \xepersian@say{How much left \the\xepersian@pageleft}
5356
5357 \ifdim \xepersian@pageneed < \xepersian@pageleft
5358 \xepersian@say{Not enough space}
5359 \else
5360 \xepersian@say{Adding sep line between articles}
5361 \vspace*{10pt plus 10pt minus 5pt}
5362 \hrule
5363 \vspace*{10pt plus 5pt minus 5pt}
5364 \fi
5365
5366 }
5367 \newcommand{\xepersian@editorialTit}[2]{
5368 \setlength{\arrayrulewidth}{.1pt}
5369 \begin{center}
5370 \begin{tabular}{c}
5371 \noindent
5372 \xepersian@editorialTitle{#1}
5373 \vspace{2pt plus 1pt minus 1pt}
5374 \\
5375 \hline
5376 \vspace{2pt plus 1pt minus 1pt}
5377 \\
5378 \editorialAuthorFormat{#2}
5379 \end{tabular}
5380 \end{center}
5381 }
5382 \newenvironment{editorial}[4]
5383 {
5384 \xepersian@say{Adding a new editorial}
5385 \begin{multicols}{#1}[%
5386 \xepersian@editorialTit{#2}{#3}%
5387 ] [4cm]
5388 \label{#4}
5389 \ifnum #1 > \minraggedcols
5390 \raggedFormat
5391 \fi
5392 }
5393 {
5394 \end{multicols}
5395 }
5396 \newcommand{\xepersian@shortarticleTit}[2]{
5397 \begin{center}
5398 \vbox{%
5399 \noindent
5400 \xepersian@shortarticleTitle{#1}
5401 \vspace{4pt plus 2pt minus 2pt}
5402 \hrule
5403 \vspace{4pt plus 2pt minus 2pt}

```



```

5404 \xepersian@shortarticleSubtitle{#2}
5405 }
5406 \end{center}
5407 }
5408 \newenvironment{shortarticle}[4]
5409 {
5410 \xepersian@say{Adding a short article block}
5411 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5412 \label{#4}
5413 \par %
5414 \ifnum #1 > \minraggedcols
5415 \raggedFormat
5416 \fi
5417 }
5418 {
5419 \end{multicols}
5420 }
5421 \newcommand{\shortarticleitem}[2]{
5422 \goodbreak
5423 \vspace{5pt plus 3pt minus 3pt}
5424 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5425 \vspace{5pt plus 3pt minus 3pt}
5426 {\noindent #2}\\
5427 }

```

63 File xepersian-mathdigitsspec.sty

```

5428 \NeedsTeXFormat{LaTeX2e}
5429 \ProvidesPackage{xepersian-mathdigitsspec}
5430 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5431 \def\new@mathgroup{\alloc@8\mathgroup\chardef@cclvi}
5432 \let\newfam\new@mathgroup
5433 \def\select@group#1#2#3#4{%
5434 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5435 {%
5436 \ifmmode
5437 \ifnum\csname c@mv@\math@version\endcsname<\cclvi
5438 \begingroup
5439 \escapechar\m@ne
5440 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5441 \globaldefs\@ne \math@fonts
5442 \endgroup
5443 \init@restore@version
5444 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5445 {\number\csname c@mv@\math@version\endcsname}}}%
5446 \global\advance\csname c@mv@\math@version\endcsname\@ne
5447 \else
5448 \let#1\relax
5449 \@latex@error{Too many math alphabets used in
5450 version \math@version}%
5451 \@eha
5452 \fi
5453 \else \expandafter\non@alpherr\fi
5454 #1{#4}%

```



```

5455 }%
5456 }
5457 \def\document@select@group#1#2#3#4{%
5458 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5459 {%
5460 \ifmmode
5461 \ifnum\csname c@mv@\math@version\endcsname<\@ccclvi
5462 \begingroup
5463 \escapechar\m@ne
5464 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5465 \globaldefs\@ne \math@fonts
5466 \endgroup
5467 \expandafter\extract@alph@from@version
5468 \csname mv@\math@version\expandafter\endcsname
5469 \expandafter{\number\csname
5470 c@mv@\math@version\endcsname}%
5471 #1%
5472 \global\advance\csname c@mv@\math@version\endcsname\@ne
5473 \else
5474 \let#1\relax
5475 \latex@error{Too many math alphabets used
5476 in version \math@version}%
5477 \@eha
5478 \fi
5479 \else \expandafter\non@alpherr\fi
5480 #1{#4}%
5481 }%
5482 }
5483 \ExplSyntaxOn
5484 \bool_set_false:N \g__fontspec_math_bool
5485 \tl_map_inline:nn
5486 {
5487 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5488 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5489 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5490 \version@list\version@elt\alpha@list\alpha@elt
5491 \restore@mathversion\init@restore@version\dorestore@version\process@table
5492 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5493 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5494 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5495 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5496 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5497 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5498 \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
5499 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5500 }
5501 {
5502 \tl_remove_once:Nn \@preamblecmds {\do#1}
5503 }
5504 \ExplSyntaxOff
5505 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5506 \newcommand\SetMathCode[4]{%
5507 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5508 \newcommand\SetMathCharDef[4]{%

```



```

5509 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5510 \ExplSyntaxOn
5511 \cs_new_eq:NN \orig_mathbf:n \mathbf
5512 \cs_new_eq:NN \orig_mathit:n \mathit
5513 \cs_new_eq:NN \orig_mathrm:n \mathrm
5514 \cs_new_eq:NN \orig_mathsf:n \mathsf
5515 \cs_new_eq:NN \orig_mathtt:n \mathtt
5516 %\int_const:Nn \c_one_int { 1 }
5517 \NewDocumentCommand \new@mathbf { m } {
5518   \orig_mathbf:n {
5519     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5520       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5521     }
5522     #1
5523   }
5524 }
5525 \NewDocumentCommand \new@mathit { m } {
5526   \orig_mathit:n {
5527     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5528       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5529     }
5530     #1
5531   }
5532 }
5533 \NewDocumentCommand \new@mathrm { m } {
5534   \orig_mathrm:n {
5535     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5536       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5537     }
5538     #1
5539   }
5540 }
5541 \NewDocumentCommand \new@mathsf { m } {
5542   \orig_mathsf:n {
5543     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5544       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5545     }
5546     #1
5547   }
5548 }
5549 \NewDocumentCommand \new@mathtt { m } {
5550   \orig_mathtt:n {
5551     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5552       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5553     }
5554     #1
5555   }
5556 }
5557
5558 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {xepersian-mathdigit
5559 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5560 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5561 \char_set_catcode_space:n {32}
5562 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}

```



```

5563 {
5564   The font "#1" does not contain U+#2.
5565 }
5566 {
5567   Select another font and rerun xelatex.
5568 }
5569 \char_set_catcode_ignore:n {32}
5570
5571 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5572 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5573 {
5574   \tex_iffontchar:D \l_fontspeg_font "#1 \scan_stop:
5575   \prg_return_true:
5576   \else:
5577     \prg_return_false:
5578   \fi:
5579 }
5580
5581 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5582
5583 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5584 {
5585   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5586   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5587     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5588   }
5589 }
5590
5591 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5592 {
5593   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5594   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5595     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5596   }
5597 }
5598
5599 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5600 {
5601   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5602   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5603     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5604   }
5605 }
5606
5607 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5608 {
5609   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5610     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5611     06F9 , 066A , 066B
5612   } { #1 }
5613 }
5614
5615 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5616 {

```



```

5617 \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5618 }
5619 \cs_new:Nn \_xepersian_main_setmathdigitfont:nn
5620 {
5621 \let\glb@currsizel relax
5622 \fontspec_set_family:Nnn \g__xepersian_mathdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5623 \_xepersian_setmathdigitfont_hook:nn {#1} {#2}
5624 \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5625 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5626 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5627 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5628 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5629 \_xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5630 \def\persianmathdigitsspec{%
5631 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5632 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5633 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5634 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5635 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5636 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5637 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5638 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5639 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5640 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5641 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5642 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5643 \tl_set_eq:NN \mathbf \new@mathbf
5644 \tl_set_eq:NN \mathit \new@mathit
5645 \tl_set_eq:NN \mathrm \new@mathrm
5646 }
5647
5648 \cs_set_eq:NN \_xepersian_setmathdigitfont_hook:nn \use_none:nn
5649
5650 \DeclareDocumentCommand \setmathsfdigitfont { 0 } m 0 { }
5651 {
5652 \_xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5653 }
5654 \cs_new:Nn \_xepersian_main_setmathsfdigitfont:nn
5655 {
5656 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5657 \_xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5658 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfamily_tl}
5659 \_xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5660 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5661 }
5662
5663 \cs_set_eq:NN \_xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5664
5665 \DeclareDocumentCommand \setmathtttdigitfont { 0 } m 0 { }
5666 {
5667 \_xepersian_main_setmathtttdigitfont:nn {#1,#3} {#2}
5668 }
5669 \cs_new:Nn \_xepersian_main_setmathtttdigitfont:nn
5670 {

```



```

5671 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5672 \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5673 \DeclareSymbolFont{new@mathtt@font@digits}{\g__fontspec_encoding_tl}{\g__xepersian_mathttdigitfont_hook:nn}{\g__xepersian_mathttdigitfont_hook:nn}{\g__xepersian_mathttdigitfont_hook:nn}{\g__xepersian_mathttdigitfont_hook:nn}
5674 \__xepersian_mathttdigitfont_hook:nn {#2}
5675 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5676 }
5677
5678 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5679
5680 \ExplSyntaxOff
5681 \mathchardef\decimalseparator@point="013A
5682 %{}
5683 % \catcode\.\=\active
5684 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5685 \bgroup
5686 \uccode\~\.%
5687 \uppercase{%
5688 \egroup
5689 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5690 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}
5691 \def\decimalseparator@check#1#2{%
5692 \ifx\@let@token1\endgroup#1\else
5693 \ifx\@let@token2\endgroup#1\else
5694 \ifx\@let@token3\endgroup#1\else
5695 \ifx\@let@token4\endgroup#1\else
5696 \ifx\@let@token5\endgroup#1\else
5697 \ifx\@let@token6\endgroup#1\else
5698 \ifx\@let@token7\endgroup#1\else
5699 \ifx\@let@token8\endgroup#1\else
5700 \ifx\@let@token9\endgroup#1\else
5701 \ifx\@let@token0\endgroup#1\else
5702 \ifx\@let@token\dot\endgroup#1\else
5703 \ifx\@let@token\overline\endgroup#1\else
5704 \endgroup#2%
5705 \fi
5706 \fi
5707 \fi
5708 \fi
5709 \fi
5710 \fi
5711 \fi
5712 \fi
5713 \fi
5714 \fi
5715 \fi
5716 \fi}
5717 \mathcode\.\="8000\relax
5718 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined \.\else \persiandecimalseparator}
5719 \def\DefaultMathDecimalSeparator{.}
5720 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5721 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5722 \def\DefaultMathDigits{%
5723 \DefaultInlineMathDigits%
5724 \DefaultDisplayMathDigits%

```




```

5725 }
5726 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5727 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5728 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5729 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5730 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5731 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5732 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5733 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5734 \def\PersianMathDigits{%
5735   \PersianInlineMathDigits%
5736   \PersianDisplayMathDigits%
5737 }
5738 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5739 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5740 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5741 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5742 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5743 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5744 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5745 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5746 \def\AutoMathDigits{%
5747   \AutoInlineMathDigits%
5748   \AutoDisplayMathDigits%
5749 }
5750 \AutoMathDigits
5751 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5752   \let\SetDisplayMathDigits\relax%
5753 }
5754 \everydisplay\expandafter{%
5755   \the\everydisplay\SetDisplayMathDigits%
5756   \let\SetInlineMathDigits\relax%
5757 }
5758
5759 \ExplSyntaxOn
5760 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5761
5762 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5763   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5764     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5765   }
5766   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5767   \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5768   \tl_set_eq:NN \mathbf \orig_mathbf:n
5769   \tl_set_eq:NN \mathit \orig_mathit:n
5770   \tl_set_eq:NN \mathrm \orig_mathrm:n
5771   \tl_set_eq:NN \mathsf \orig_mathsf:n
5772   \tl_set_eq:NN \mathtt \orig_mathtt:n
5773 }
5774
5775 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5776   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5777     \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5778   }

```



```

5779 \SetMathCode{\%}{\mathbin}{OPERATORS}{` }
5780 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5781 \tl_set_eq:NN \mathbf \new@mathbf
5782 \tl_set_eq:NN \mathit \new@mathit
5783 \tl_set_eq:NN \mathrm \new@mathrm
5784 \tl_set_eq:NN \mathsf \new@mathsf
5785 \tl_set_eq:NN \mathtt \new@mathtt
5786 }
5787 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

5788 \NeedsTeXFormat{LaTeX2e}
5789 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5790           Multiple Choice Questionnaire class for Persian in XeLaTeX]
5791 \RequirePackage{pifont}
5792 \RequirePackage{fullpage}
5793 \RequirePackage{ifthen}
5794 \RequirePackage{calc}
5795 \RequirePackage{verbatim}
5796 \RequirePackage{tabularx}
5797 \def\@headerfont{\bfseries}
5798 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5799 \def\@X{X}
5800 \newcommand\X[1]{\gdef\@X{#1}}
5801 \def\pbs#1{\let\tmp=\@#1\let\=\tmp}
5802 \newcolumnntype{D}{>{\pbs\centering}X}
5803 \newcolumnntype{Q}{>{\@headerfont}X}
5804
5805 \renewcommand\tabularxcolumn[1]{m{#1}}
5806 \newcommand\makeform@nocorrection{%
5807   \addtocontents{frm}{\protect\end{tabularx}}
5808   \@starttoc{frm}}
5809 \newcommand\makeform@correction{%
5810   \addtocontents{frm}{\protect\end{tabularx}}}
5811 \newcommand\makemask@nocorrection{%
5812   \addtocontents{msk}{\protect\end{tabularx}}
5813   \@starttoc{msk}}
5814 \newcommand\makemask@correction{%
5815   \addtocontents{msk}{\protect\end{tabularx}}}
5816 \newlength\questionspace
5817 \setlength\questionspace{0pt}
5818 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5819 \def\@answerstitlefont{\bfseries}
5820 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5821 \def\@answernumberfont{\bfseries}
5822 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5823 \newcounter{question}\stepcounter{question}
5824 \newcounter{@choice}
5825 \def\@initorcheck{%
5826   \xdef\@choices{\the@choice}%
5827   \setcounter{@choice}{1}%
5828   \gdef\@arraydesc{|Q||}%
5829   \gdef\@headerline{}}

```



```

5830 \whiledo{\not{\value{@choice}>\@choices}}{
5831 \xdef\@arraydesc{\@arraydesc D]}
5832 \def\@appendheader{\g@addto@macro\@headerline}
5833 \@appendheader{&\protect\@headerfont}
5834 \edef\@the@choice{\alph{@choice}}
5835 \expandafter\@appendheader\@the@choice
5836 \stepcounter{@choice}}%
5837 \addtocontents{frm}{%
5838 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5839 \protect\hline
5840 \@headerline\protect\\protect\hline\protect\hline}%
5841 \addtocontents{msk}{%
5842 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5843 \protect\hline
5844 \@headerline\protect\\protect\hline\protect\hline}%
5845 \gdef\@initorcheck{%
5846 \ifthenelse{\value{@choice} = \@choices}{\%
5847 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5848 (\the@choice\space instead of \@choices)}{\%
5849 Questions must all have the same number of proposed answers.%
5850 \MessageBreak
5851 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5852 \newenvironment{question}[1]{%
5853 %% \begin{question}
5854 \begin{minipage}{\textwidth}
5855 \xdef\@formanswerline{\@questionheader}%
5856 \xdef\@maskanswerline{\@questionheader}%
5857 \fbox{\parbox[c]{\linewidth}{#1}}
5858 \vspace\questionspace\par
5859 {\@answerstitlefont\@answerstitle}
5860 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
5861 %% \end{question}
5862 \end{list}
5863 \@initorcheck%
5864 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5865 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5866 \end{minipage}
5867 \stepcounter{question}}
5868 \def\@truesymbol{\ding{52}~}
5869 \def\@falsesymbol{\ding{56}~}
5870 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5871 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5872 \def\@true@nocorrection{\item}
5873 \def\@false@nocorrection{\item}
5874 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5875 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5876 \newcommand\true{%
5877 \xdef\@formanswerline{\@formanswerline&}%
5878 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5879 \@true}%
5880 \newcommand>false{%
5881 \xdef\@formanswerline{\@formanswerline&}%
5882 \xdef\@maskanswerline{\@maskanswerline&}%
5883 \@false}%

```



```

5884 \def\@correctionstyle{\itshape}
5885 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5886 \newenvironment{\correction}{\@correctionstyle}{\@correctionstyle}{}
5887 \def\@questionheader{\thequestion}
5888 \answerstyle{\@correctionstyle}{}
5889 \DeclareOption{nocorrection}{\%
5890 \let\@true\@true@nocorrection
5891 \let\@false\@false@nocorrection
5892 \let\correction\comment
5893 \let\endcorrection\endcomment
5894 \def\makeform{\makeform@nocorrection}
5895 \def\makemask{\makemask@nocorrection}}
5896 \DeclareOption{correction}{\%
5897 \let\@true\@true@correction
5898 \let\@false\@false@correction
5899 \let\correction\@correction
5900 \let\endcorrection\end@correction
5901 \def\makeform{\makeform@correction}
5902 \def\makemask{\makemask@correction}}
5903 \ExecuteOptions{nocorrection}
5904 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5905 \def\@questiontitlefont{\bfseries}
5906 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5907 \newlength\questiontitlespace
5908 \setlength\questiontitlespace{5pt}
5909 \newlength\questionsepspace
5910 \setlength\questionsepspace{20pt}
5911 \gdef\@questionsepspace{0pt}
5912 \let\old@question\question
5913 \let\old@endquestion\endquestion
5914 \renewenvironment{question}[1]{\%
5915 %% \begin{question}
5916 \vspace\@questionsepspace
5917 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5918 \nopagebreak\vspace\questiontitlespace\par
5919 \old@question{#1}}{\%
5920 %% \end{question}
5921 \old@endquestion
5922 \gdef\@questionsepspace{\questionsepspace}}
5923 \questiontitle{\thequestion:}
5924 \ProcessOptions

```

65 File xepersian-persiancal.sty

```

5925 \NeedsTeXFormat{LaTeX2e}
5926 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5927
5928 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5929 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5930 \newcount\XePersian@latini \newcount\XePersian@persiani
5931 \newcount\XePersian@latinii \newcount\XePersian@persianiii
5932 \newcount\XePersian@latiniii \newcount\XePersian@persianiiii
5933 \newcount\XePersian@latiniv \newcount\XePersian@persianv
5934 \newcount\XePersian@latinvi \newcount\XePersian@persianvi

```



```

5935 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5936 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5937 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5938 \newcount\XePersian@latinix \newcount\XePersian@persianix
5939 \newcount\XePersian@latinx \newcount\XePersian@persianx
5940 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5941 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5942 \newcount\XePersian@persianxiii
5943
5944 \newcount\XePersian@temp
5945 \newcount\XePersian@temptwo
5946 \newcount\XePersian@tempthree
5947 \newcount\XePersian@yModHundred
5948 \newcount\XePersian@thirtytwo
5949 \newcount\XePersian@dn
5950 \newcount\XePersian@sn
5951 \newcount\XePersian@mminusone
5952
5953
5954 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5955 \XePersian@temp=\XePersian@y
5956 \divide\XePersian@temp by 100\relax
5957 \multiply\XePersian@temp by 100\relax
5958 \XePersian@yModHundred=\XePersian@y
5959 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5960 \ifodd\XePersian@yModHundred
5961 \XePersian@leapfalse
5962 \else
5963 \XePersian@temp=\XePersian@yModHundred
5964 \divide\XePersian@temp by 2\relax
5965 \ifodd\XePersian@temp\XePersian@leapfalse
5966 \else
5967 \ifnum\XePersian@yModHundred=0%
5968 \XePersian@temp=\XePersian@y
5969 \divide\XePersian@temp by 400\relax
5970 \multiply\XePersian@temp by 400\relax
5971 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5972 \else\XePersian@leaptrue
5973 \fi
5974 \fi
5975 \fi
5976 \XePersian@latini=31\relax
5977 \ifXePersian@leap
5978 \XePersian@latinii = 29\relax
5979 \else
5980 \XePersian@latinii = 28\relax
5981 \fi
5982 \XePersian@latiniii = 31\relax
5983 \XePersian@latiniv = 30\relax
5984 \XePersian@latinv = 31\relax
5985 \XePersian@latinvi = 30\relax
5986 \XePersian@latinvii = 31\relax
5987 \XePersian@latinviii = 31\relax
5988 \XePersian@latinix = 30\relax

```



```

5989 \XePersian@latinx = 31\relax
5990 \XePersian@latinxi = 30\relax
5991 \XePersian@latinxii = 31\relax
5992 \XePersian@thirtytwo=32\relax
5993 \XePersian@temp=\XePersian@y
5994 \advance\XePersian@temp by -17\relax
5995 \XePersian@temptwo=\XePersian@temp
5996 \divide\XePersian@temptwo by 33\relax
5997 \multiply\XePersian@temptwo by 33\relax
5998 \advance\XePersian@temp by -\XePersian@temptwo
5999 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
6000 \else
6001   \XePersian@temptwo=\XePersian@temp
6002   \divide\XePersian@temptwo by 4\relax
6003   \multiply\XePersian@temptwo by 4\relax
6004   \advance\XePersian@temp by -\XePersian@temptwo
6005   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
6006 \fi
6007 \XePersian@tempthree=\XePersian@y % Number of Leap years
6008 \advance\XePersian@tempthree by -1
6009 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
6010 \divide\XePersian@temp by 4\relax
6011 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
6012 \divide\XePersian@temptwo by 100\relax
6013 \advance\XePersian@temp by -\XePersian@temptwo
6014 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
6015 \divide\XePersian@temptwo by 400\relax
6016 \advance\XePersian@temp by \XePersian@temptwo
6017 \advance\XePersian@tempthree by -611 % Number of Kabise years
6018 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
6019 \divide\XePersian@temptwo by 33\relax
6020 \multiply\XePersian@temptwo by 8\relax
6021 \advance\XePersian@temp by -\XePersian@temptwo
6022 \XePersian@temptwo=\XePersian@tempthree %
6023 \divide\XePersian@temptwo by 33\relax
6024 \multiply\XePersian@temptwo by 33\relax
6025 \advance\XePersian@tempthree by -\XePersian@temptwo
6026 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
6027 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
6028 \advance\XePersian@temp by -\XePersian@tempthree
6029 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
6030 \XePersian@persiani=31
6031 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
6032 \XePersian@persianii = 30\relax
6033 \ifXePersian@kabiseh
6034   \XePersian@persianiii = 30\relax
6035 \else
6036   \XePersian@persianiii = 29\relax
6037 \fi
6038 \XePersian@persianiv = 31\relax
6039 \XePersian@persianv = 31\relax
6040 \XePersian@persianvi = 31\relax
6041 \XePersian@persianvii = 31\relax
6042 \XePersian@persianviii= 31\relax

```



```

6043 \XePersian@persianix = 31\relax
6044 \XePersian@persianx = 30\relax
6045 \XePersian@persianxi = 30\relax
6046 \XePersian@persianxii = 30\relax
6047 \XePersian@persianxiii= 30\relax
6048 \XePersian@dn= 0\relax
6049 \XePersian@sn= 0\relax
6050 \XePersian@mminusone=\XePersian@m
6051 \advance\XePersian@mminusone by -1\relax
6052 \XePersian@i=0\relax
6053 \ifnum\XePersian@i < \XePersian@mminusone
6054 \loop
6055 \advance \XePersian@i by 1\relax
6056 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
6057 \ifnum\XePersian@i<\XePersian@mminusone \repeat
6058 \fi
6059 \advance \XePersian@dn by \XePersian@d
6060 \XePersian@i=1\relax
6061 \XePersian@sn = \XePersian@persiani
6062 \ifnum \XePersian@sn<\XePersian@dn
6063 \loop
6064 \advance \XePersian@i by 1\relax
6065 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6066 \ifnum \XePersian@sn<\XePersian@dn \repeat
6067 \fi
6068 \ifnum \XePersian@i < 4
6069 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
6070 \advance \XePersian@y by -622\relax
6071 \else
6072 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6073 \advance \XePersian@y by -621\relax
6074 \fi
6075 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6076 \endcsname
6077 \ifnum\XePersian@i = 1
6078 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
6079 \else
6080 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6081 \fi
6082 \newcommand*{\persiantoday}{\%
6083 \number\XePersian@d\space\%
6084 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y\%
6085 }
6086 \let\persianyear\XePersian@y
6087 \let\persianmonth\XePersian@m
6088 \let\persianday\XePersian@d
6089 \def\XePersian@persian@month#1{\ifcase#1\or \or\
6090 \or\
6091 \or\
6092 \or\
6093 \or\
6094 \or\
6095 \or\
6096 \fi\

```



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