



The XePersian *Package*

Source documentation for **version 24.6**

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 24.6](#)

Vafa Khalighi*

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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{      }{\dimendef}
365 \eqcommand{      }{\discretionary}
366 \eqcommand{      }{\displaybreak}
367 \eqcommand{      }{\displayindent}
368 \eqcommand{      }{\displaystyle}
369 \eqcommand{      }{\displaywidth}
370 \eqcommand{ }{\divide}
371 \eqcommand{      }{\documentclass}
372 \eqcommand{ }{\do}
373 \eqcommand{      }{\dospecials}
374 \eqcommand{ }{\dot}
375 \eqcommand{      }{\doteq}
376 \eqcommand{      }{\dotfill}
377 \eqcommand{ }{\dots}
378 \eqcommand{      }{\doublebox}
379 \eqcommand{      }{\doublerulesepcolor}
380 \eqcommand{      }{\doublerulesep}
381 \eqcommand{      }{\downarrow}
382 \eqcommand{ }{\dp}
383 \eqcommand{ }{\dump}
384 \eqcommand{ }{\edef}
385 \eqcommand{      }{\egroup}
386 \eqcommand{      }{\eject}
387 \eqcommand{ }{\else}
388 \eqcommand{ }{\em}
389 \eqcommand{      }{\emergencystretch}
390 \eqcommand{ }{\emph}
391 \eqcommand{@ }{\@empty}
392 \eqcommand{ }{\empty}
393 \eqcommand{      }{\emptyset}
394 \eqcommand{ }{\end}
395 \eqcommand{      }{\endL}
396 \eqcommand{      }{\endR}
397 \eqcommand{      }{\endcsname}
398 \eqcommand{      }{\endfirsthead}
399 \eqcommand{      }{\endfoot}
400 \eqcommand{      }{\endgraf}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

779 \eqcommand{ }{offinterlineskip}
780 \eqcommand{ }{omit}
781 \eqcommand{@ }{@onlypreamble}
782 \eqcommand{ }{onecolumn}
783 \eqcommand{ }{onlynotes}
784 \eqcommand{ }{onlyslides}
785 \eqcommand{ }{openin}
786 \eqcommand{ }{openout}
787 \eqcommand{ }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{ }{outer}
790 \eqcommand{ }{output}
791 \eqcommand{ }{outputpenalty}
792 \eqcommand{ }{overfullrule}
793 \eqcommand{@ }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{ }{PackageError}
796 \eqcommand{ }{PackageInfo}
797 \eqcommand{ }{PackageWarning}
798 \eqcommand{ }{PackageWarningNoLine}
799 \eqcommand{ }{pagebreak}
800 \eqcommand{ }{pagecolor}
801 \eqcommand{ }{pagedepth}
802 \eqcommand{ }{pagefilllstretch}
803 \eqcommand{ }{pagefillstretch}
804 \eqcommand{ }{pagefilstretch}
805 \eqcommand{ }{pagegoal}
806 \eqcommand{ }{pagename}
807 \eqcommand{ }{pagenumbering}
808 \eqcommand{ }{pageref}
809 \eqcommand{ }{pagerulewidth}
810 \eqcommand{ }{pageshrink}
811 \eqcommand{ }{pagestretch}
812 \eqcommand{ }{pagestyle}
813 \eqcommand{ }{pagetotal}
814 \eqcommand{ }{paperheight}
815 \eqcommand{ }{paperwidth}
816 \bidi@csdefcs{ }{\par}% this is an exception since \par is redefined only in some 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{ }{predisplaypenalty}
839 \eqcommand{ }{predisplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}

```



```

887 \eqcommand{      }{rotatebox}
888 \eqcommand{      }{rowcolor}
889 \eqcommand{ }{rule}
890 \eqcommand{@      }{@secondoftwo}
891 \eqcommand{@      }{@spaces}
892 \eqcommand{      }{samepage}
893 \eqcommand{      }{savebox}
894 \eqcommand{      }{sbox}
895 \eqcommand{      }{scalebox}
896 \eqcommand{      }{scdefault}
897 \eqcommand{      }{scshape}
898 \eqcommand{      }{setkeys}
899 \eqcommand{      }{scriptfont}
900 \eqcommand{      }{scriptscriptfont}
901 \eqcommand{      }{scriptscriptstyle}
902 \eqcommand{      }{scriptsize}
903 \eqcommand{      }{scripstyle}
904 \eqcommand{      }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{      }{secdef}
907 \eqcommand{      }{see}
908 \eqcommand{      }{seealso}
909 \eqcommand{      }{seename}
910 \eqcommand{      }{selectfont}
911 \eqcommand{      }{setboolean}
912 \eqcommand{      }{setbox}
913 \eqcommand{      }{setcounter}
914 \eqcommand{      }{setlength}
915 \eqcommand{      }{setminus}
916 \eqcommand{      }{SetSymbolFont}
917 \eqcommand{      }{settodepth}
918 \eqcommand{      }{settoheight}
919 \eqcommand{      }{settowidth}
920 \eqcommand{      }{sfcode}
921 \eqcommand{      }{sfdefault}
922 \eqcommand{      }{sffamily}
923 \eqcommand{      }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{      }{shipout}
926 \eqcommand{      }{shortstack}
927 \eqcommand{      }{show}
928 \eqcommand{      }{showbox}
929 \eqcommand{      }{showboxbreadth}
930 \eqcommand{      }{showboxdepth}
931 \eqcommand{      }{showlists}
932 \eqcommand{      }{showthe}
933 \eqcommand{      }{simplefontmode}
934 \eqcommand{ @}{sist@@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{ }{snglftntlocatecode}
950 \eqcommand{ }{space}
951 \eqcommand{ }{spacefactor}
952 \eqcommand{ }{spaceskip}
953 \eqcommand{ }{spadesuit}
954 \eqcommand{ }{span}
955 \eqcommand{ }{special}
956 \eqcommand{ }{splitmaxdepth}
957 \eqcommand{ }{splittopskip}
958 \eqcommand{ }{star}
959 \eqcommand{ }{stepcounter}
960 \eqcommand{ }{stretch}
961 \eqcommand{ }{string}
962 \eqcommand{ }{strut}
963 \eqcommand{ }{strutbox}
964 \eqcommand{ }{subitem}
965 \eqcommand{ }{subparagraph}
966 \eqcommand{ }{subsection}
967 \eqcommand{ }{substack}
968 \eqcommand{ }{subsubitem}
969 \eqcommand{ }{subsubsection}
970 \eqcommand{ }{subset}
971 \eqcommand{ }{subseteq}
972 \eqcommand{ }{supereject}
973 \eqcommand{ }{suppressfloats}
974 \eqcommand{@ }{@tempa}
975 \eqcommand{@ }{@tempb}
976 \eqcommand{@ }{@tempc}
977 \eqcommand{@ }{@tempd}
978 \eqcommand{@ }{@tempe}
979 \eqcommand{@ }{@tempboxa}
980 \eqcommand{@ }{@tempcnta}
981 \eqcommand{@ }{@tempcntb}
982 \eqcommand{@ }{@tempdima}
983 \eqcommand{@ }{@tempdimb}
984 \eqcommand{@ }{@tempdimc}
985 \eqcommand{@ }{@tempskipa}
986 \eqcommand{@ }{@tempskipb}
987 \eqcommand{@ }{@tempswafalse}
988 \eqcommand{@ }{@tempswatruel}
989 \eqcommand{@ }{@temptokena}
990 \eqcommand{ }{@thefnmark}
991 \eqcommand{@ }{@thirdofthree}
992 \eqcommand{ }{tabbingsep}
993 \eqcommand{ }{tabcolsep}
994 \eqcommand{ }{tableofcontents}

```



```

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

```



```

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

```




```

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

```

21 File color-localise-xepersian.def

```

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

```



```

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

```

22 File xepersian-localise-commands-xepersian.def

```

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

```



```

1205 \eqcommand{           }{\textwidthfootnoterule}
1206 \eqcommand{           }{\twocolumnstableofcontents}
1207 \eqcommand{           }{\unsetfootnoteRL}
1208 \eqcommand{           }{\unsetLTR}
1209 \eqcommand{           }{\unsetRTL}
1210 \eqcommand{           }{\vboxL}
1211 \eqcommand{           }{\vboxR}
1212 \eqcommand{           }{\XeLaTeX}
1213 \eqcommand{           }{\XePersian}
1214 \eqcommand{           }{\xepersianversion}
1215 \eqcommand{           }{\xepersiandate}
1216 \eqcommand{           }{\XeTeX}

```

```

1217 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1218 \def\@enloop@{%
1219   \ifx \entemp\@def\@tempa{\@enLabel\harfi } \else
1220   \ifx \entemp\@def\@tempa{\@enLabel\adadi } \else
1221   \ifx \entemp\@def\@tempa{\@enLabel\tartibi } \else
1222   \ifx \A\@entemp \def\@tempa{\@enLabel\Alph } \else
1223   \ifx \a\@entemp \def\@tempa{\@enLabel\alph } \else
1224   \ifx \i\@entemp \def\@tempa{\@enLabel\roman } \else
1225   \ifx \I\@entemp \def\@tempa{\@enLabel\Roman } \else
1226   \ifx \l\@entemp \def\@tempa{\@enLabel\arabic} \else
1227   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1228   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1229   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1230     \let\@tempa\@enOther
1231     \@enhook
1232     \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1233   \@tempa}

```

```

1234 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1235 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1236 \AddEnumerateCounter*\adadi\@adadi{999999999}
1237 \AddEnumerateCounter\harfi\@harfi{ }
1238 \AddEnumerateCounter\Abjad\@Abjad{ }
1239 \AddEnumerateCounter\abjad\@abjad{ }
1240 \SetEnumerateShortLabel{ }\{\tartibi*}
1241 \SetEnumerateShortLabel{ }\{\adadi*}
1242 \SetEnumerateShortLabel{ }\{\harfi*}
1243 \SetEnumerateShortLabel{ }\{\Abjad*}
1244 \SetEnumerateShortLabel{ }\{\abjad*}

```

```

1245 \ProvidesFile{latex-localise-environments-xepersian.def}[2022/06/06 v0.3 Persian localisation]
1246 \eqenvironment{ }{abstract}
1247 \eqenvironment{ }{appendix}
1248 \eqenvironment{ }{array}
1249 \eqenvironment{ }{center}

```



```

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 extrafootnote]
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}[2022/06/10 v0.7 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 `imsproc-xepersian.def`

```

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

```

37 File `kashida-xepersian.def`

```

1567 \ProvidesFile{kashida-xepersian.def}[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@D \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}}{\bidi@csletcs{#1}{#2}}}%
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}%
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\vtop \@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>\@one}{\NAT@last@yr@mbbox}%
2324     }{%
2325         \advance\@tempcnta by\@one
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>\@one}{\@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{\@one}\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     {\begin@group\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{24.6}
2903 \def\xepersiandate{2022/06/27}
2904 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2905 Persian typesetting in XeLaTeX]
2906 \RequirePackage{fontspec}
2907 \RequirePackage{xepersian-persiancal}
2908 \RequirePackage{xepersian-mathdigitspec}
2909 \RequirePackage{bidi}
2910 \edef\xepersian@info{*****~J%
2911 * ~J%
2912 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2913 * ~J%
2914 * Description: The package supports Persian~J%
2915 * typesetting, using fonts provided in the~J%
2916 * distribution.~J%
2917 * ~J%
2918 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2919 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2920 * ~J%
2921 * v\xepersian@version, \xepersiandate~J%
2922 * ~J%

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

3409         \@minipagetrue
3410         \everypar{\@minipagefalse\everypar{}\beginL}%
3411     }
3412     \DeclareRobustCommand\Latincite{%
3413         \ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]%
3414     \def\@Latincitex[#1]#2{\leavevmode
3415         \let\@citea\@empty
3416         \@cite{\lr{\@for\@citeb:=#2\do
3417             {\@citea\def\@citea{,\penalty\@m\ }%
3418             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3419             \iffiles\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3420             \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3421                 \G@refundefinedtrue
3422                 \@latex@warning
3423                     {Citation `'\@citeb' on page \thepage \space undefined}}%
3424             {\@cite\ofmt{\csname b@\@citeb\endcsname}}}}}{#1}}
3425
3426 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3427
3428 \newif\if@xepersian@@computeautoilg
3429 \newcount\xepersian@tcl
3430 \newdimen\xepersian@ilg
3431 \newdimen\xepersian@strutilg
3432 \chardef\f@ur=4
3433 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3434     \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3435     \loop
3436     \iffontchar\font\xepersian@tcl
3437     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3438     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3439     \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3440     \fi
3441     \else
3442     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3443     \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3444     \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3445     \fi
3446     \fi
3447     \fi
3448     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3449     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3450     \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3451     \fi
3452     \else
3453     \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3454     \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3455     \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3456     \fi
3457     \fi
3458     \fi
3459     \fi
3460     \advance\xepersian@tcl\@ne
3461     \ifnum\xepersian@tcl<1792\repeat
3462     \advance\xepersian@strutilg\xepersian@ilg

```



```

3463 % \ifdim\xepersian@strutilg>\baselineskip
3464 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3465 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3466 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3467 % \selectfont
3468 % \fi
3469 }
3470
3471 \newif\if@@textdigitfont@on
3472
3473 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3474 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3475
3476 \TextDigitFontOn
3477
3478 \newcommand*\xepersian@setlength[4]{%
3479     \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3480     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3481     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3482     \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3483     \else
3484     \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3485     \fi
3486     \else
3487     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3488     \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3489     \else
3490     \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3491     \fi
3492     \fi
3493     \else
3494     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3495     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3496     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3497     \else
3498     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3499     \fi
3500     \else
3501     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3502     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3503     \else
3504     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3505     \fi
3506     \fi
3507     \fi
3508 }
3509
3510 \newcommand*\setfontsize[2][1.2\@tempdima]{%
3511     \@defaultunits\@tempdima#2pt\relax\@nnil
3512     \setlength{\@tempdimc}{\@tempdima}%
3513     \addtolength{\@tempdimc}{-10\p@}%
3514     \edef\@ptsize{\strip@pt\@tempdimc}%
3515     \@defaultunits\@tempdimb#1pt\relax\@nnil
3516     \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%

```



```

3517 \edef\@tempb{\the\@tempdimc}%
3518 \setlength{\@tempdimc}{\@tempdima}%
3519 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3520 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3521 \xepersian@setlength{\abovedisplayskip}%
3522     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3523 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3524 \xepersian@setlength{\belowdisplayshortskip}%
3525     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3526 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3527 \edef\normalsize{%
3528     \noexpand\setfontsize\noexpand\normalsize
3529     {\the\@tempdima}{\the\@tempdimb}%
3530 \abovedisplayskip \the\abovedisplayskip
3531 \abovedisplayshortskip \the\abovedisplayshortskip
3532 \belowdisplayskip \the\belowdisplayskip
3533 \belowdisplayshortskip \the\belowdisplayshortskip
3534 \let\noexpand\@listi\noexpand\@listI
3535 }%
3536 \setlength{\@tempdima}{0.9125\@tempdimc}%
3537 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3538 \xepersian@setlength{\abovedisplayskip}%
3539     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3540 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3541 \xepersian@setlength{\belowdisplayshortskip}%
3542     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3543 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3544 \edef\small{%
3545     \noexpand\setfontsize\noexpand\small
3546     {\the\@tempdima}{\the\@tempdimb}%
3547 \abovedisplayskip \the\abovedisplayskip
3548 \abovedisplayshortskip \the\abovedisplayshortskip
3549 \belowdisplayskip \the\belowdisplayskip
3550 \belowdisplayshortskip \the\belowdisplayshortskip
3551 \let\noexpand\@listi\noexpand\@listi@small
3552 }%
3553 \setlength{\@tempdima}{.83334\@tempdimc}%
3554 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3555 \xepersian@setlength{\abovedisplayskip}%
3556     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3557 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3558 \xepersian@setlength{\belowdisplayshortskip}%
3559     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3560 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3561 \edef\footnotesize{%
3562     \noexpand\setfontsize\noexpand\footnotesize
3563     {\the\@tempdima}{\the\@tempdimb}%
3564 \abovedisplayskip \the\abovedisplayskip
3565 \abovedisplayshortskip \the\abovedisplayshortskip
3566 \belowdisplayskip \the\belowdisplayskip
3567 \belowdisplayshortskip \the\belowdisplayshortskip
3568 \let\noexpand\@listi\noexpand\@listi@footnotesize
3569 }%
3570 \setlength{\@tempdima}{.66667\@tempdimc}%

```




```

3571 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3572 \edef\scriptsize{%
3573     \noexpand\setfontsize\noexpand\scriptsize
3574     {\the\@tempdima}{\the\@tempdimb}%
3575 }%
3576 \setlength{\@tempdima}{.5\@tempdimc}%
3577 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3578 \edef\tiny{%
3579     \noexpand\setfontsize\noexpand\tiny
3580     {\the\@tempdima}{\the\@tempdimb}%
3581 }%
3582 \setlength{\@tempdima}{1.2\@tempdimc}%
3583 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3584 \edef\large{%
3585     \noexpand\setfontsize\noexpand\large
3586     {\the\@tempdima}{\the\@tempdimb}%
3587 }%
3588 \setlength{\@tempdima}{1.44\@tempdimc}%
3589 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3590 \edef\Large{%
3591     \noexpand\setfontsize\noexpand\Large
3592     {\the\@tempdima}{\the\@tempdimb}%
3593 }%
3594 \setlength{\@tempdima}{1.728\@tempdimc}%
3595 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3596 \edef\LARGE{%
3597     \noexpand\setfontsize\noexpand\LARGE
3598     {\the\@tempdima}{\the\@tempdimb}%
3599 }%
3600 \setlength{\@tempdima}{2.074\@tempdimc}%
3601 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3602 \edef\huge{%
3603     \noexpand\setfontsize\noexpand\huge
3604     {\the\@tempdima}{\the\@tempdimb}%
3605 }%
3606 \setlength{\@tempdima}{2.488\@tempdimc}%
3607 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3608 \edef\Huge{%
3609     \noexpand\setfontsize\noexpand\Huge
3610     {\the\@tempdima}{\the\@tempdimb}%
3611 }%
3612 \normalsize
3613 \setlength{\@tempdimb}{\f@baselineskip}%
3614 \xepersian@setlength{\parsep}%
3615     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3616 \xepersian@setlength{\topsep}%
3617     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3618 \@tempswafalse
3619 \begingroup
3620 \def\@list@extra{\aftergroup\@tempswatrue}%
3621 \csname @listi\endcsname
3622 \endgroup
3623 \edef\@listi{\leftmargin\leftmargin1
3624     \topsep \the\topsep

```



```

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

```



```

3679 \@tempswafalse
3680 \begingroup
3681   \def\@list@extra{\aftergroup\@tempwattrue}%
3682   \csname @listiii\endcsname
3683 \endgroup
3684 \edef\@listiii{\leftmargin\leftmarginiii
3685   \labelwidth=\dimexpr \leftmargin-\labelsep
3686   \topsep \the\topsep
3687   \parsep \z@
3688   \partopsep \the\partopsep
3689   \itemsep \topsep
3690   \if@tempswa\noexpand\@list@extra\fi
3691 }%
3692 \@tempswafalse
3693 \begingroup
3694   \def\@list@extra{\aftergroup\@tempwattrue}%
3695   \csname @listiv\endcsname
3696 \endgroup
3697 \edef\@listiv{\leftmargin\leftmarginiv
3698   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3699   \if@tempswa\noexpand\@list@extra\fi
3700 }%
3701 \@tempswafalse
3702 \begingroup
3703   \def\@list@extra{\aftergroup\@tempwattrue}%
3704   \csname @listv\endcsname
3705 \endgroup
3706 \edef\@listv{\leftmargin\leftmarginv
3707   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3708   \if@tempswa\noexpand\@list@extra\fi
3709 }%
3710 \@tempswafalse
3711 \begingroup
3712   \def\@list@extra{\aftergroup\@tempwattrue}%
3713   \csname @listvi\endcsname
3714 \endgroup
3715 \edef\@listvi{\leftmargin\leftmarginvi
3716   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3717   \if@tempswa\noexpand\@list@extra\fi
3718 }%
3719 \@listi
3720   \setlength{\@tempdimb}{\f@baselineskip}%
3721   \setlength{\footnotesep}{.555\@tempdimb}%
3722   \xepersian@setlength{\skip\footins}%
3723     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3724   \xepersian@setlength{\floatsep}%
3725     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3726   \xepersian@setlength{\textfloatsep}%
3727     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3728   \setlength{\intextsep}{\floatsep}%
3729   \setlength{\dblfloatsep}{\floatsep}%
3730   \setlength{\dbltextfloatsep}{\textfloatsep}%
3731   \setlength{\@fptop}{\z@ \@plus 1fil}%
3732   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%

```



```

3733 \setlength{\@fpbot}{\@fptop}%
3734 \setlength{\@dblftop}{\@fptop}%
3735 \setlength{\@dblfpsep}{\@fpsep}%
3736 \setlength{\@dblfpbot}{\@fptop}%
3737 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3738 }
3739
3740 \renewcommand*{\@bidi@logo@}{%
3741 \@bidi@logo@hb@xt@columnwidth
3742 {\hss\bfseries
3743
3744 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3745
3746 \renewcommand*{\@bidi@pdfcreator}{%
3747 The xepersian package, v\xepersian@version, \xepersian@date
3748 }
3749
3750 \newcommand*{\@xepersian@pdfcustomproperties}{%
3751 This is the xepersian package, Version \xepersian@version,
3752 Released June 27, 2022.
3753 }
3754
3755 \newcommand\twocolumnstableofcontents{%
3756 \if@bidi@csundef{multi@column@out}{%
3757 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3758 \begin{multicols}{2}[\section*{\contentsname}]}%
3759 \small
3760 \@starttoc{toc}%
3761 \end{multicols}}}%
3762 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3763 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3764 \AtBeginDocument{%
3765 \def\figurename{\if@RTL else\ Figure\fi}%
3766 \def\tablename{\if@RTL else\ Table\fi}%
3767 \def\contentsname{\if@RTL else\ Contents\fi}%
3768 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3769 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3770 \def\appendixname{\if@RTL else\ Appendix\fi}%
3771 \def\indexname{\if@RTL else\ Index\fi}%
3772 \def\refname{\if@RTL else\ References\fi}%
3773 \def\abstractname{\if@RTL else\ Abstract\fi}%
3774 \def\partname{\if@RTL else\ Part\fi}%
3775 \def\datename{\if@RTL else\ Date\fi}%
3776 \def\@and{\if@RTL else\ and\fi}%
3777 \def\bibname{\if@RTL else\ Bibliography\fi}%
3778 \def\chaptername{\if@RTL else\ Chapter\fi}%
3779 \def\ccname{\if@RTL else\ cc\fi}%
3780 \def\enclname{\if@RTL else\ encl\fi}%
3781 \def\pagename{\if@RTL else\ Page\fi}%
3782 \def\headtoname{\if@RTL else\ To\fi}%
3783 \def\proofname{\if@RTL else\ Proof\fi}%
3784 }
3785 \def\@Abjad#1{%
3786 \ifcase#1\or or\ or\ or\ %

```



```

3787         \or or\ or\ or\ or\ %
3788         \or or\ or\ or\ or\ %
3789         \or or\ or\ or\ %
3790         \or or\ or\ or\ or\ %
3791         \or or\ or\ or\ or\ %
3792         \else\@ctrerr\fi}
3793 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3794 \let\Abjadnumeral\@Abjad
3795 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3796 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3797 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi\
3798 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3799 \let\harfinumeral\@harfi
3800 \newcommand{\adadi}[1]{%
3801 \expandafter\@adadi\csname c@#1\endcsname%
3802 }
3803 \newcommand{\@adadi}[1]{%
3804 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3805 }
3806 \let\adadinumeral\@adadi%
3807 \def\xepersian@numberoutofrange#1#2{%
3808 \PackageError{xepersian}{The number `#1' is too large %
3809 to be formatted using xepersian}{The largest possible %
3810 number is 999,999,999.}%
3811 }
3812 \def\xepersian@numberstring#1#2#3#4{%
3813 \ifnum\number#1<\@ne%
3814 #3%
3815 \else\ifnum\number#1<1000000000 %
3816 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3817 \else%
3818 \xepersian@numberoutofrange{#1}{#4}%
3819 \fi\fi%
3820 }
3821 \def\xepersian@adadi#1#2{%
3822 \expandafter\xepersian@@adadi%
3823 \ifcase%
3824 \ifnum#1<10 1%
3825 \else\ifnum#1<100 2%
3826 \else\ifnum#1<\@m 3%
3827 \else\ifnum#1<\@M 4%
3828 \else\ifnum#1<100000 5%
3829 \else\ifnum#1<1000000 6%
3830 \else\ifnum#1<10000000 7%
3831 \else\ifnum#1<100000000 8%
3832 \else9%
3833 \fi\fi\fi\fi\fi\fi\fi\fi %
3834 \or00000000#1% case 1: Add 8 leading zeros
3835 \or0000000#1% case 2: Add 7 leading zeros
3836 \or000000#1% case 3: Add 6 leading zeros
3837 \or00000#1% case 4: Add 5 leading zeros
3838 \or0000#1% case 5: Add 4 leading zeros
3839 \or000#1% case 6: Add 3 leading zeros
3840 \or00#1% case 7: Add 2 leading zeros

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

4219 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}{on}{%
4220 \ifcase\xepersian@tempb\relax
4221 \extrafootnotefeaturestrue
4222 \or
4223 \extrafootnotefeaturesfalse
4224 \fi}
4225 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}{on}{%
4226 \ifcase\xepersian@tempb\relax
4227 \PackageWarning{xepersian}{Obsolete option}%
4228 \ifwritexviii%
4229 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4230 \renewcommand\printindex{\newpage%
4231 \immediate\closeout\@indexfile
4232 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4233 \@input@{\jobname.ind}}}%
4234 \else
4235 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4236 \fi
4237 \fi}
4238 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}{on}{%
4239 \ifcase\xepersian@tempb\relax
4240 \ifwritexviii%
4241 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4242 \renewcommand\printindex{\newpage%
4243 \immediate\closeout\@indexfile
4244 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname
4245 \@input@{\jobname.ind}}}%
4246 \else
4247 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4248 \fi
4249 \fi}
4250 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}{on}{%
4251 \ifcase\xepersian@tempb\relax
4252 \ifwritexviii%
4253 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4254 \renewcommand\printindex{\newpage%
4255 \immediate\closeout\@indexfile
4256 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4257 \@input@{\jobname.ind}}}%
4258 \else
4259 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4260 \fi
4261 \fi}
4262 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4263 \ifcase\xepersian@tempb\relax
4264 \def\PersianAlphs{%
4265 \let\@alph\@abjad%
4266 \let\@Alph\@abjad%
4267 }
4268 \or
4269 \def\PersianAlphs{%
4270 \let\@alph\@Abjad%
4271 \let\@Alph\@Abjad%
4272 }

```



```

4273 \fi}
4274 \DeclareOptionX{defaultlatinfontfeatures}{%
4275 \defaultfontfeatures
4276 [\latinfont]
4277 {#1}
4278 }
4279
4280 \DeclareOptionX{mathfontsizescale}{%
4281 \def\xepersian@@math@fontsize@scale{#1}%
4282 }
4283
4284 \DeclareOptionX{fontsizescale}{%
4285 \def\xepersian@@fontsize@scale{#1}%
4286 }
4287
4288 \DeclareOptionX{fontsize}{%
4289 \xepersian@@fontsize@branch{#1}%
4290 }
4291
4292 \DeclareOptionX{latinfontsizescale}{%
4293 \def\xepersian@@latin@fontsize@scale{#1}%
4294 }
4295
4296 \DeclareOptionX{baselineskipscale}{%
4297 \def\xepersian@@baselineskip@scale{#1}%
4298 }
4299
4300 \DeclareOptionX{latinbaselineskipscale}{%
4301 \def\xepersian@@latin@baselineskip@scale{#1}%
4302 }
4303
4304 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4305 \ifcase\xepersian@tempb\relax
4306 \AtBeginDocument{\@bidi@inslogo@}%
4307 \or
4308 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4309 \fi}
4310
4311 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4312 \ifcase\xepersian@tempb\relax
4313 \@bidi@pdfm@marktrue
4314 \or
4315 \@bidi@pdfm@markfalse
4316 \fi}
4317
4318 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4319 \ifcase\xepersian@tempb\relax
4320 \@xepersian@@computeautoilgtrue
4321 \or
4322 \@xepersian@@computeautoilgfalse
4323 \fi}
4324
4325 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4326 \ifcase\xepersian@tempb\relax

```



```

4327 \def\ bidi@firstcolumn@status@write{%
4328     \protected@write\@auxout{%
4329         {\string\ bidi@column@status
4330         {1}}}%
4331 \def\ bidi@lastcolumn@status@write{%
4332     \protected@write\@auxout{%
4333         {\string\ bidi@column@status{2}}}%
4334 \or
4335     \let\ bidi@firstcolumn@status@write\relax
4336     \let\ bidi@lastcolumn@status@write\relax
4337 \fi}
4338
4339
4340 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4341 \ifcase\xepersian@tempb\relax
4342     \bidi@AtEndPreamble{%
4343         \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4344         {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4345     }
4346 \or
4347     \relax
4348 \fi}
4349
4350 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}
4351 \ifcase\xepersian@tempb\relax
4352     \@bidi@perpage@footnotetrue
4353 \or
4354     \@bidi@perpage@footnotefalse
4355 \fi}
4356
4357 \ExecuteOptionsX{%
4358     documentdirection=righttoleft,
4359     tabledirection=righttoleft,
4360     script=nonlatin,
4361     footnotedirection=righttoleft,
4362     footnoterule=automatic,
4363     abjadvariant=two,
4364     DetectColumn=off,
4365     fontsizescale=\@ne,
4366     latinfontsizescale=\@ne,
4367     mathfontsizescale=\@ne,
4368     baselineskip scale=\@ne,
4369     latinbaselineskip scale=\@ne
4370 }
4371
4372 \ProcessOptionsX
4373
4374 \if@extrafootnote features
4375     \input{extrafootnote features-xetex-bidi.def}%
4376     \input{extrafootnote features-xepersian.def}%
4377 \fi
4378
4379 \bidi@patchcmd{\set@font size}{\@tempdimb#2pt}{%
4380     \@tempdimb\xepersian@@font size@scale\dimexpr#2pt\relax

```



```

4381 }{}{}
4382
4383 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
4384 \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4385 }{}{}
4386
4387
4388 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4389 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4390 \dimexpr 1pt * \dimexpr #1 pt\relax /
4391 \dimexpr \xepersian@@fontsize@scale pt\relax
4392 \relax\relax
4393 }
4394
4395 \bidi@patchcmd{\getanddefine@fonts}{%
4396 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4397 }{%
4398 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4399 }{}{}
4400
4401 \bidi@patchcmd{\getanddefine@fonts}{%
4402 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4403 }{%
4404 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4405 }{}{}
4406
4407 \bidi@patchcmd{\getanddefine@fonts}{%
4408 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4409 }{%
4410 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4411 }{}{}
4412
4413
4414 \if\xepersian@@computeautoilg
4415 \bidi@patchcmd{\set@fontsize}{%
4416 \baselineskip\f@baselineskip\relax
4417 }{%
4418 \baselineskip\f@baselineskip\relax
4419 \xepersian@@computeautoilg
4420 \ifdim\xepersian@strutilg>\baselineskip
4421 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4422 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4423 \baselineskip\xepersian@strutilg
4424 \ifdim\footnotesep=.7\baselineskip
4425 \else
4426 \footnotesep=.7\baselineskip
4427 \fi
4428 \fi
4429 }{}{}
4430 \fi
4431
4432 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4433 \PersianAlphs

```



62 File xepersian-magazine.cls

```
4434 \NeedsTeXFormat{LaTeX2e}
4435 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4436 \RequirePackage{ifthen}
4437 \newlength{\xepersian@imgsize}
4438 \newlength{\xepersian@coltitsize}
4439 \newlength{\xepersian@pageneed}
4440 \newlength{\xepersian@pageleft}
4441 \newlength{\xepersian@indexwidth}
4442 \newcommand{\xepersian@ncolumns}{0}
4443 \newlength{\columnlines}
4444 \setlength{\columnlines}{0 pt} % no lines by default
4445 \newboolean{xepersian@hyphenatedtitles}
4446 \setboolean{xepersian@hyphenatedtitles}{true}
4447 \newboolean{xepersian@ninepoints}
4448 \setboolean{xepersian@ninepoints}{false}
4449 \newboolean{xepersian@showgrid}
4450 \setboolean{xepersian@showgrid}{false}
4451 \newboolean{xepersian@a3paper}
4452 \setboolean{xepersian@a3paper}{false}
4453 \newboolean{xepersian@insidefrontpage}
4454 \setboolean{xepersian@insidefrontpage}{false}
4455 \newboolean{xepersian@insideweather}
4456 \setboolean{xepersian@insideweather}{false}
4457 \newboolean{xepersian@insideindex}
4458 \setboolean{xepersian@insideindex}{false}
4459 \newcount\xepersian@gridrows
4460 \newcount\xepersian@gridcolumns
4461 \xepersian@gridrows=40
4462 \xepersian@gridcolumns=50
4463 \newcount\minraggedcols
4464 \minraggedcols=5
4465 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4466 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4467 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4468 \DeclareOption{twocolumn}{%
4469 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4470 \DeclareOption{notitlepage}{%
4471 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4472 \DeclareOption{twoside}{%
4473 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4474 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4475 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4476 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4477 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4478 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4479 \ProcessOptions\relax
4480 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4481 \RequirePackage{ifxetex}
4482 \RequirePackage{multido}
4483 \RequirePackage{datetime}
4484 \RequirePackage{multicol}
4485 \RequirePackage{fancyhdr}
```



```

4486 \RequirePackage{fancybox}
4487 \ifthenelse{\boolean{xepersian@a3paper}}{%
4488 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4489 }{
4490 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4491 }
4492 \RequirePackage[absolute]{textpos} % absolute positioning
4493 \RequirePackage{hyphenat} % when hyphenate
4494 \RequirePackage{lastpage} % to know the last page number
4495 \RequirePackage{setspace} % set space between lines
4496 \RequirePackage{ragged2e}
4497 \newcommand{\raggedFormat}{\RaggedLeft}
4498 \AtEndOfClass{xepersianInit}
4499 \ifthenelse{\boolean{xepersian@showgrid}}{%
4500 \AtBeginDocument{
4501 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4502 \advance\minraggedcols by -1
4503 }{%
4504 \AtBeginDocument{
4505 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4506 \advance\minraggedcols by -1
4507 }
4508 \ifthenelse{\boolean{xepersian@ninepoints}}{%
4509 \renewcommand{\normalsize}{%
4510 \setfontsize{\normalsize}{9pt}{10pt}%
4511 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4512 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4513 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4514 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4515
4516 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4517
4518 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4519
4520 \renewcommand{\small}{%
4521 \setfontsize{\small}{8pt}{9pt}%
4522 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4523 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4524 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4525 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4526
4527 \renewcommand{\footnotesize}{%
4528 \setfontsize{\footnotesize}{8pt}{9pt}%
4529 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4530 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4531 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4532 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4533
4534 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4535 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4536 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4537 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4538 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4539 }{

```



```

4540 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4541 \newcommand{\xepersian@wwwFormat}{\sffamily}
4542 \newcommand{\xepersian@www}{\%
4543 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt\}}
4544 }
4545 \newcommand{\xepersian@edition}{\quad {
4546 \newcommand{\editionFormat}{\large\bfseries\texttt}
4547 \newcommand{\xepersian@editionLogo}{\%
4548 \raisebox{-3pt}{\%
4549 {\editionFormat\xepersian@edition}\%
4550 }%\%
4551 }
4552 \newcommand{\indexFormat}{\large\bfseries}
4553 \newcommand{\xepersian@indexFrameTitle}[1]
4554 {\begin{flushright}{\{\indexFormat #1\}\end{flushright}}
4555
4556 \newcommand{\indexEntryFormat}{\normalsize}
4557 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4558 {\indexEntryFormat\noindent\ignorespaces{#1}}\%
4559 \end{minipage}}
4560 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4561 \newcommand{\indexEntryPageTxt}{\quad}
4562 \newcommand{\indexEntryPageFormat}{\footnotesize}
4563 \newcommand{\xepersian@indexEntryPage}[1]{\%
4564 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}\%
4565 }
4566 \newcommand{\headDateTimeFormat}{\%
4567 \newcommand{\xepersian@headDateTime}{\%
4568 \headDateTimeFormat\date\hspace{5pt}\$ \parallel \$\hspace{5pt}\%
4569 \currenttime \%
4570 }
4571 \newcommand{\weatherFormat}{\bfseries}
4572 \newcommand{\xepersian@weather}[1]{\%
4573 \noindent{\weatherFormat #1}\%
4574 }
4575 \newcommand{\weatherTempFormat}{\small}
4576 \newcommand{\weatherUnits}{\textdegree}{C}
4577 \newcommand{\xepersian@section}[0]{\quad {
4578 \newcommand{\xepersian@headleft}{\%
4579 {\small\bfseries \@custommagazinename} \date
4580 }
4581 \newcommand{\xepersian@headcenter}{\%
4582 \xepersian@section{}
4583 }
4584 \newcommand{\xepersian@headright}{\%
4585 \small\xepersian@edition%
4586 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4587 }
4588
4589 \newcommand{\heading}[3]{\%
4590 \renewcommand{\xepersian@headleft}{\beginR#1\endR}\%
4591 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}\%
4592 \renewcommand{\xepersian@headright}{\beginR#3\endR}\%
4593 }

```



```

4594 \newcommand{\xepersian@footright}{%
4595 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}--      -      \lr{\XePersian}}%
4596 }
4597 \newcommand{\xepersian@footcenter}{%
4598 }
4599 \newcommand{\xepersian@footleft}{%
4600 }
4601
4602 \newcommand{\foot}[3]{%
4603 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4604 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4605 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4606 }
4607 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4608 \newcommand{\xepersian@firstTitle}[1]{%
4609 {%
4610 \begin{spacing}{2.0}{%
4611 \noindent\ignorespaces
4612 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4613 {\nohyphens{\firstTitleFormat #1}}%
4614 {\firstTitleFormat #1}}%
4615 }%
4616 \end{spacing}%
4617 }%
4618 }
4619 \newcommand{\firstTextFormat}{%
4620 \newcommand{\xepersian@firstText}[1]{%
4621 {\noindent\ignorespaces\firstTextFormat #1}%
4622 }
4623 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4624 \newcommand{\xepersian@secondTitle}[1]{%
4625 \begin{spacing}{1.5}{%
4626 \noindent\ignorespaces\flushright
4627 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4628 {\nohyphens{\secondTitleFormat #1}}%
4629 {\secondTitleFormat #1}}%
4630 \end{spacing}%
4631 }
4632 \newcommand{\secondSubtitleFormat}{\large}
4633 \newcommand{\xepersian@secondSubtitle}[1]{%
4634 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
4635 }
4636 \newcommand{\secondTextFormat}{%
4637 \newcommand{\xepersian@secondText}[1]{%
4638 \begin{multicols}{2}
4639 {\noindent\ignorespaces\secondTextFormat #1}
4640 \end{multicols}
4641 }
4642 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4643 \newcommand{\xepersian@thirdTitle}[1]{%
4644 \begin{spacing}{1.5}{%
4645 \noindent\ignorespaces\flushright
4646 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4647 {\nohyphens{\thirdTitleFormat #1}}%

```



```

4648 {{\thirdTitleFormat #1}}%
4649 }\end{spacing}%
4650 }
4651 \newcommand{\thirdSubtitleFormat}{\large}
4652 \newcommand{\xepersian@thirdSubtitle}[1]{\thirdSubtitleFormat #1}%
4653 {{\noindent\ignorespaces\thirdSubtitleFormat #1}}
4654 \newcommand{\thirdTextFormat}{\small}
4655 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}%
4656 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4657 \newcommand{\xepersian@pictureCaption}[1]{\pictureCaptionFormat #1}%
4658 {{\noindent\pictureCaptionFormat #1}}%
4659 }
4660 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4661 \newcommand{\xepersian@pages}[1]{\pagesFormat #1}%
4662 {{\noindent\pagesFormat\MakeUppercase{#1}}}
4663 \newcommand{\innerTitleFormat}{\Huge}
4664 \newcommand{\xepersian@innerTitle}[1]{\innerTitleFormat #1}%
4665 \begin{flushright}%
4666 \noindent
4667 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{\noindent}{\noindent}
4668 {{\nohyphens\innerTitleFormat #1}}%
4669 {{\innerTitleFormat #1}}%
4670 }%
4671 \\\%
4672 \end{flushright}%
4673 }
4674 \newcommand{\innerSubtitleFormat}{\large}
4675 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}%
4676 \newcommand{\timestampTxt}{\small}
4677 \newcommand{\timestampSeparator}{\small}
4678 \newcommand{\timestampFormat}{\small}
4679 \newcommand{\timestamp}[1]{\timestampFormat #1}%
4680 {{\timestampFormat #1}}%
4681 #1~\timestampTxt}%
4682 }~\timestampSeparator}%
4683 }
4684 \newcommand{\innerAuthorFormat}{\footnotesize}
4685 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4686 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4687 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4688 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat #1}%
4689 \newcommand{\editorialAuthorFormat}{\textsc}
4690 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4691 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}%
4692 \newcommand{\shortarticleSubtitleFormat}{\Large}
4693 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}%
4694 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4695 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}%
4696 \renewcommand{\maketitle}{\begin{titlepage}%
4697 \let\footnotesize\small
4698 \let\footnoterule\relax
4699 \let\footnote\thanks
4700 \null\vfil
4701 \vskip 60\p@

```



```

4702 \begin{center}%
4703   {\LARGE \@title \par}%
4704   \vskip 1em%
4705   {\LARGE «\xepersian@edition» \par}%
4706   \vskip 3em%
4707   {\large
4708     \lineskip .75em%
4709     \begin{tabular}[t]{c}%
4710       \@author
4711     \end{tabular}\par}%
4712   \vskip 1.5em%
4713   {\large \@date \par}%
4714 \end{center}\par
4715 \@thanks
4716 \vfil\null
4717 \end{titlepage}%
4718 \setcounter{footnote}{0}%
4719 \global\let\thanks\relax
4720 \global\let\maketitle\relax
4721 \global\let\@thanks\@empty
4722 \global\let\@author\@empty
4723 \global\let\@date\@empty
4724 \global\let\@title\@empty
4725 \global\let\title\relax
4726 \global\let\author\relax
4727 \global\let\date\relax
4728 \global\let\and\relax
4729 }
4730 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4731 \newsavebox{\xepersian@fmbox}
4732 \newenvironment{xepersian@fmpage}[1]
4733   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4734   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4735 \newcommand{\image}[2]{
4736   \vspace{5pt}
4737   \setlength{\fboxsep}{1pt}
4738   \addtolength{\xepersian@imgsize}{\columnwidth}
4739   \addtolength{\xepersian@imgsize}{-1\columnsep}
4740   \ifxetex
4741     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4742     \addtolength{\xepersian@pageneed}{50pt}
4743     \ClassWarning{xepersian-magazine}{%
4744       Image #1 needs: \the\xepersian@pageneed \space %
4745       and there is left: \the\page@free\space%
4746     }
4747     \ifdim \xepersian@pageneed < \page@free
4748     \fi
4749     {\centering\fbox{%
4750       \includegraphics[width = \xepersian@imgsize,
4751       height = \xepersian@imgsize,
4752       keepaspectratio ]{#1}}}
4753     \xepersian@pictureCaption{#2}
4754   \fi
4755   \vspace{5pt}

```



```

4756 \else
4757 \ClassWarning{Image #1 needs more space!%
4758   It was not inserted!}
4759 \fi
4760 \fi
4761 }
4762 \textblockorigin{1cm}{1cm}
4763 \newdimen\xepersian@dx
4764 \newdimen\xepersian@dy
4765 \newcount\xepersian@cx
4766 \newcount\xepersian@cy
4767 \newcommand{\grid}[3][[]]{
4768   \xepersian@dx=\textwidth%
4769   \xepersian@dy=\textheight%
4770   \xepersian@cx=#3% %columns
4771   \xepersian@cy=#2% %rows
4772
4773   \count1=#3%
4774   \advance\count1 by 1
4775
4776   \count2=#2%
4777   \advance\count2 by 1
4778
4779   \divide\xepersian@dx by #3
4780   \divide\xepersian@dy by #2
4781
4782   \setlength{\TPHorizModule}{\xepersian@dx}
4783   \setlength{\TPVertModule}{\xepersian@dy}
4784
4785   \ifthenelse{\equal{#1}{show}}{
4786     \multido{\xepersian@nrow=0+1}{\count2}{
4787       \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4788       \rule[0pt]{\textwidth}{.1pt}
4789       \end{textblock}
4790     }
4791
4792     \multido{\xepersian@ncol=0+1}{\count1}{
4793       \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4794       \rule[0pt]{.1pt}{\textheight}
4795       \end{textblock}
4796     }
4797   }{}
4798 }
4799 \newcommand{\xepersianInit}{
4800   \setlength{\headheight}{14pt}
4801   \renewcommand{\headrulewidth}{0.4pt}
4802
4803   \pagestyle{fancy}
4804
4805   \setlength{\columnseprule}{\columnlines}
4806   \setlength{\fboxrule}{0.1 pt}
4807
4808 }
4809

```



```

4810 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4811 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4812 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4813 \newcommand{\logo}[0]{
4814 %% Heading %%
4815 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4816
4817 \vspace*{-3pt}
4818
4819 {\Large\bfseries \@customlogo}
4820 \hrulefill
4821 \hspace{10pt}\xepersian@headDateTime
4822
4823 }
4824 \newcommand{\minilogo}[0]{
4825 {\large\bfseries \@customminilogo}
4826
4827 \vspace*{5pt}
4828 }
4829 \newcommand{\mylogo}[1]{
4830 {\beginR#1\endR}
4831
4832 \noindent
4833 \xepersian@editionLogo\hspace{5pt}
4834 \hrulefill
4835 \hspace{5pt}\xepersian@headDateTime
4836 }
4837 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4838 \newenvironment{frontpage}[0]
4839 {
4840 \setboolean{xepersian@insidefrontpage}{true}
4841 \thispagestyle{empty}
4842 \logo
4843
4844 }%
4845 {
4846 \thispagestyle{empty}
4847 \clearpage
4848 \newpage
4849 \fancyhead{}
4850 \fancyfoot{}
4851 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4852 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4853 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4854 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4855 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4856 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4857 \renewcommand{\headrulewidth}{0.4pt}
4858 \setboolean{xepersian@insidefrontpage}{false}
4859
4860 }
4861 \newcommand{\firstarticle}[3]
4862 {
4863 \ifthenelse{\boolean{xepersian@insidefrontpage}}{\%

```




```

4864 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4865 \begin{textblock}{24}(22,5)
4866 }
4867 {
4868 \begin{textblock}{28}(22,5)
4869 }
4870 \vspace{-7pt}
4871 \xepersian@firstTitle{#1}
4872 \end{textblock}
4873 \begin{textblock}{29}(22,10)
4874 \vspace{5pt plus 2pt minus 2pt}
4875
4876 \xepersian@firstText{\timestamp{#3}~#2}
4877
4878 \end{textblock}
4879
4880 \begin{textblock}{50}(0,15)
4881 \rule{50\TPHorizModule}{.3pt}
4882 \end{textblock}
4883 }{%else
4884 \ClassError{xepersian-magazine}{%
4885 \protect\firstarticle\space in a wrong place.\MessageBreak
4886 \protect\firstarticle\space may only appear inside frontpage environment.
4887 }{%
4888 \protect\firstarticle\space may only appear inside frontpage environment.
4889 }%
4890 }
4891 }
4892 \newcommand{\secondarticle}[5]
4893 {
4894 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4895 \begin{textblock}{33}(2,16)
4896 \xepersian@pages{#4}
4897 \vspace{-5pt}
4898 \xepersian@secondTitle{#1}
4899
4900 \vspace*{5pt}
4901
4902 \xepersian@secondSubtitle{#2}
4903
4904 \vspace*{-7pt}
4905
4906 \xepersian@secondText{\timestamp{#5}~#3}
4907
4908 \end{textblock}
4909
4910 \begin{textblock}{33}(2,25)
4911 \vspace{5pt plus 2pt minus 2pt}
4912
4913 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4914 \end{textblock}
4915 }{%else
4916 \ClassError{xepersian-magazine}{%
4917 \protect\secondarticle\space in a wrong place.\MessageBreak

```



```

4918 \protect\secondarticle\space may only appear inside frontpage environment.
4919 }{%
4920 \protect\secondarticle\space may only appear inside frontpage environment.
4921 }%
4922 }
4923 }
4924 \newcommand{\thirdarticle}[6]
4925 {
4926 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4927 \begin{textblock}{32}(2,26)
4928 \xepersian@pages{#5}
4929 \vspace{-5pt}
4930 \setlength{\fboxsep}{1pt}
4931 \xepersian@thirdTitle{#1}
4932
4933 \vspace*{5pt}
4934
4935 \xepersian@thirdSubtitle{#2}
4936
4937 \vspace*{5pt}
4938
4939 {\noindent\ignorespaces %
4940 \ifthenelse{\equal{#4}{}}{}{}}
4941
4942 \xepersian@thirdText{\timestamp{#6}~#3}
4943
4944 }
4945
4946 \vspace*{5pt}
4947
4948 \end{textblock}
4949 }{%else
4950 \ClassError{xepersian-magazine}{%
4951 \protect\thirdarticle\space in a wrong place.\MessageBreak
4952 \protect\thirdarticle\space may only appear inside frontpage environment.
4953 }{%
4954 \protect\thirdarticle\space may only appear inside frontpage environment.
4955 }%
4956 }
4957 }
4958 \newcommand{\firstimage}[2]
4959 {
4960 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4961 \begin{textblock}{18}(2,5)
4962 \setlength{\fboxsep}{1pt}
4963 \ifxetex % only in PDF
4964 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4965 \fi
4966
4967 \xepersian@pictureCaption{#2}
4968 \end{textblock}}%
4969 }
4970 {\ClassError{xepersian-magazine}{%
4971 \protect\firstimage\space in a wrong place.\MessageBreak

```



```

4972 \protect\firstimage\space may only appear inside frontpage environment.
4973 }{%
4974 \protect\firstimage\space may only appear inside frontpage environment.
4975 }}
4976 }%
4977 \newcommand{\weatheritem}[5]{%
4978 \ifthenelse{\boolean{xepersian@insideweather}}{%
4979 \begin{minipage}{45pt}
4980 \ifxetex
4981 \includegraphics[width=40pt]{#1}
4982 \fi
4983 \end{minipage}
4984 \begin{minipage}{50pt}
4985 \weatherTempFormat
4986 #2\\
4987 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4988 #5
4989 \end{minipage}
4990 }{%else
4991 \ClassError{xepersian-magazine}{%
4992 \protect\weatheritem\space in a wrong place.\MessageBreak
4993 \protect\weatheritem\space may only appear inside weatherblock environment.
4994 }{%
4995 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4996 weatherblock environment may only appear inside frontpage environment.
4997 }%
4998 }
4999 }
5000 \newenvironment{weatherblock}[1]
5001 {
5002 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5003 \setboolean{xepersian@insideweather}{true}
5004 \begin{textblock}{32}(2,38)
5005 \vspace*{-15pt}
5006
5007 \xepersian@weather{\beginR#1\endR}
5008
5009 \vspace*{5pt}
5010
5011 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5012 \begin{minipage}{32\TPHorizModule}
5013 \hspace{5pt}
5014
5015 }{%
5016 \ClassError{xepersian-magazine}{%
5017 weatherblock in a wrong place.\MessageBreak
5018 weatherblock may only appear inside frontpage environment.
5019 }{%
5020 weatherblock may only appear inside frontpage environment.
5021 }
5022 }
5023 }%
5024 {
5025 \end{minipage}

```



```

5026 \end{xepersian@fmpage}
5027 \end{textblock}
5028 \setboolean{xepersian@insideweather}{false}
5029 }
5030 \newenvironment{authorblock}[0]
5031 {
5032 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5033 \begin{textblock}{15}(36,35)
5034 \setlength{\fboxsep}{5pt}
5035 \begin{xepersian@fmpage}{13\TPHorizModule}
5036 \begin{minipage}{13\TPHorizModule}
5037 \centering
5038 \minilogo
5039
5040 }{%else
5041 \ClassError{xepersian-magazine}{%
5042 authorblock in a wrong place.\MessageBreak
5043 authorblock may only appear inside frontpage environment.
5044 }{%
5045 authorblock may only appear inside frontpage environment.
5046 }
5047 }
5048 }
5049 {
5050 \end{minipage}
5051 \end{xepersian@fmpage}
5052 \end{textblock}
5053 }
5054 \newenvironment{indexblock}[1]
5055 {
5056 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5057 \setboolean{xepersian@insideindex}{true}%let's in
5058 \begin{textblock}{15}(36,16)
5059 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5060 \xepersian@indexFrameTitle{#1}
5061
5062 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5063 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5064 \begin{minipage}{\xepersian@indexwidth}
5065 \vspace*{10pt}
5066 }{%else
5067 \ClassError{xepersian-magazine}{%
5068 indexblock in a wrong place.\MessageBreak
5069 indexblock may only appear inside frontpage environment.
5070 }{%
5071 indexblock may only appear inside frontpage environment.
5072 }
5073 }
5074 }%
5075 {
5076 \end{minipage}
5077 \end{xepersian@fmpage}
5078 \end{textblock}
5079 \setboolean{xepersian@insideindex}{false}%let's out

```



```

5080 }
5081 \newcommand{\indexitem}[2]
5082 {
5083 \ifthenelse{\boolean{xepersian@insideindex}}{
5084 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5085
5086 \vspace{0.5cm}
5087
5088 \noindent\ignorespaces\indexEntrySeparator{
5089 }{\%else
5090 \ClassError{xepersian-magazine}{%
5091 \protect\indexitem\space in a wrong place.\MessageBreak
5092 \protect\indexitem\space may only appear inside indexblock environment.
5093 }{\%
5094 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5095 indexblock environment may only appear inside frontpage environment.
5096 }%
5097 }
5098 }
5099 \newcommand{\xepersian@inexpandedtitle}[1]{
5100 \begin{minipage}{.95\textwidth}
5101 \begin{center}
5102 \noindent\Large\textbf{\beginR#1\endR}
5103 \end{center}
5104 \end{minipage}
5105 }
5106 \newcommand{\expandedtitle}[2]{
5107 \end{multicols}
5108
5109 \begin{center}
5110 \setlength{\fboxsep}{5pt}
5111 \setlength{\shadowsize}{2pt}
5112 \ifthenelse{\equal{#1}{shadowbox}}{\%
5113 \shadowbox{%
5114 \xepersian@inexpandedtitle{#2}%
5115 }%
5116 }{
5117 \ifthenelse{\equal{#1}{doublebox}}{\%
5118 \doublebox{%
5119 \xepersian@inexpandedtitle{#2}%
5120 }%
5121 }{
5122 \ifthenelse{\equal{#1}{ovalbox}}{\%
5123 \ovalbox{%
5124 \xepersian@inexpandedtitle{#2}%
5125 }%
5126 }{
5127 \ifthenelse{\equal{#1}{Ovalbox}}{\%
5128 \Ovalbox{%
5129 \xepersian@inexpandedtitle{#2}%
5130 }%
5131 }{
5132 \ifthenelse{\equal{#1}{lines}}{
5133 \hrule

```



```

5134 \vspace*{8pt}
5135 \begin{center}
5136 \noindent\Large\textbf{#2}
5137 \end{center}
5138 \vspace*{8pt}
5139 \hrule
5140 }{}
5141 \end{center}
5142
5143 \begin{multicols}{\xepersian@ncolumns{}}
5144 \ifnum \xepersian@ncolumns > \minraggedcols
5145 \raggedFormat
5146 \fi
5147 }
5148 \newcommand{\xepersian@incolumntitle}[2]{
5149 \begin{minipage}{#1}
5150 \begin{center}
5151 \noindent\normalsize\textbf{#2}
5152 \end{center}
5153 \end{minipage}
5154 }
5155
5156 \newcommand{\columnntitle}[2]{
5157 \vspace*{5pt}
5158 \begin{center}
5159 \setlength{\fboxsep}{5pt}
5160 \setlength{\shadowsize}{2pt}
5161 \addtolength{\xepersian@coltitsize}{\columnwidth}
5162 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5163 \addtolength{\xepersian@coltitsize}{-5pt}
5164 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5165 \ifthenelse{\equal{#1}{shadowbox}}{%
5166 \shadowbox{
5167 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5168 }%
5169 }{}
5170 \ifthenelse{\equal{#1}{doublebox}}{%
5171 \doublebox{
5172 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5173 }%
5174 }{}
5175 \ifthenelse{\equal{#1}{ovalbox}}{%
5176 \ovalbox{
5177 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5178 }%
5179 }{}
5180 \ifthenelse{\equal{#1}{Ovalbox}}{%
5181 \Ovalbox{
5182 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5183 }%
5184 }{}
5185 \ifthenelse{\equal{#1}{lines}}{
5186 \hrule
5187 \vspace*{5pt}

```



```

5188 \begin{center}
5189 \noindent\normalsize\textbf{#2}
5190 \end{center}
5191 \vspace*{5pt}
5192 \hrule
5193 }{}
5194 \end{center}
5195 }
5196 \renewcommand{\date}{%
5197 \longdate{\today}%
5198 }
5199 \newcommand{\authorandplace}[2]{%
5200 \rightline{%
5201 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5202 }%
5203 \par %
5204 }
5205 \newcommand{\newsection}[1]{
5206 \renewcommand{\xepersian@section}{#1}
5207 }
5208 \newenvironment{article}[5]
5209 {
5210 \xepersian@say{Adding a new piece of article}
5211 \renewcommand{\xepersian@ncolumns}{#1}[
5212 \begin{multicols}{#1}[
5213 \xepersian@pages{#4}
5214 \xepersian@innerTitle{#2}%
5215 \xepersian@innerSubtitle{#3}%
5216 ][4cm]%
5217 \label{#5}
5218 \ifnum #1 > \minraggedcols
5219 \raggedFormat
5220 \fi
5221 }
5222 {-\innerTextFinalMark{}
5223 \end{multicols}
5224 }
5225 \newcommand{\articlesep}{%
5226 \setlength{\xepersian@pageneed}{16000pt}
5227 \setlength\xepersian@pageleft{\pagegoal}
5228 \addtolength\xepersian@pageleft{-\pagetotal}
5229
5230 \xepersian@say{How much left \the\xepersian@pageleft}
5231
5232 \ifdim \xepersian@pageneed < \xepersian@pageleft
5233 \xepersian@say{Not enough space}
5234 \else
5235 \xepersian@say{Adding sep line between articles}
5236 \vspace*{10pt plus 10pt minus 5pt}
5237 \hrule
5238 \vspace*{10pt plus 5pt minus 5pt}
5239 \fi
5240
5241 }

```



```

5242 \newcommand{\xepersian@editorialTit}[2]{
5243 \setlength{\arrayrulewidth}{.1pt}
5244 \begin{center}
5245 \begin{tabular}{c}
5246 \noindent
5247 \xepersian@editorialTitle{#1}
5248 \vspace{2pt plus 1pt minus 1pt}
5249 \\
5250 \hline
5251 \vspace{2pt plus 1pt minus 1pt}
5252 \\
5253 \editorialAuthorFormat{#2}
5254 \end{tabular}
5255 \end{center}
5256 }
5257 \newenvironment{editorial}[4]
5258 {
5259 \xepersian@say{Adding a new editorial}
5260 \begin{multicols}{#1}[%
5261 \xepersian@editorialTit{#2}{#3}%
5262 ] [4cm]
5263 \label{#4}
5264 \ifnum #1 > \minraggedcols
5265 \raggedFormat
5266 \fi
5267 }
5268 {
5269 \end{multicols}
5270 }
5271 \newcommand{\xepersian@shortarticleTit}[2]{
5272 \begin{center}
5273 \vbox{%
5274 \noindent
5275 \xepersian@shortarticleTitle{#1}
5276 \vspace{4pt plus 2pt minus 2pt}
5277 \hrule
5278 \vspace{4pt plus 2pt minus 2pt}
5279 \xepersian@shortarticleSubtitle{#2}
5280 }
5281 \end{center}
5282 }
5283 \newenvironment{shortarticle}[4]
5284 {
5285 \xepersian@say{Adding a short article block}
5286 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5287 \label{#4}
5288 \par %
5289 \ifnum #1 > \minraggedcols
5290 \raggedFormat
5291 \fi
5292 }
5293 {
5294 \end{multicols}
5295 }

```




```

5296 \newcommand{\shortarticleitem}[2]{
5297 \goodbreak
5298 \vspace{5pt plus 3pt minus 3pt}
5299 {\vbox{\noindent\expersian@shortarticleItemTitle{#1}}}
5300 \vspace{5pt plus 3pt minus 3pt}
5301 {\noindent #2}\\
5302 }

```

63 File xepersian-mathdigitspec.sty

```

5303 \NeedsTeXFormat{LaTeX2e}
5304 \ProvidesPackage{xepersian-mathdigitspec}
5305 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5306 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5307 \let\newfam\new@mathgroup
5308 \def\select@group#1#2#3#4{%
5309 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5310 {%
5311 \ifmmode
5312 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5313 \begingroup
5314 \escapechar\m@ne
5315 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5316 \globaldefs\@ne \math@fonts
5317 \endgroup
5318 \init@restore@version
5319 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5320 {\number\csname c@mv@\math@version\endcsname}}%
5321 \global\advance\csname c@mv@\math@version\endcsname\@ne
5322 \else
5323 \let#1\relax
5324 \@latex@error{Too many math alphabets used in
5325 version \math@version}%
5326 \@eha
5327 \fi
5328 \else \expandafter\non@alpherr\fi
5329 #1{#4}%
5330 }%
5331 }
5332 \def\document@select@group#1#2#3#4{%
5333 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5334 {%
5335 \ifmmode
5336 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5337 \begingroup
5338 \escapechar\m@ne
5339 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5340 \globaldefs\@ne \math@fonts
5341 \endgroup
5342 \expandafter\extract@alph@from@version
5343 \csname mv@\math@version\expandafter\endcsname
5344 \expandafter{\number\csname
5345 c@mv@\math@version\endcsname}%
5346 #1%

```



```

5347 \global\advance\csname c@mv@\math@version\endcsname\@ne
5348 \else
5349 \let#1\relax
5350 \latex@error{Too many math alphabets used
5351             in version \math@version}%
5352 \@eha
5353 \fi
5354 \else \expandafter\non@alpherr\fi
5355 #1{#4}%
5356 }%
5357 }
5358 \ExplSyntaxOn
5359 \bool_set_false:N \g__fontspec_math_bool
5360 \tl_map_inline:nn
5361 {
5362 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5363 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5364 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5365 \version@list\version@elt\alpha@list\alpha@elt
5366 \restore@mathversion\init@restore@version\dorestore@version\process@table
5367 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5368 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5369 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5370 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5371 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5372 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5373 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5374 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5375 }
5376 {
5377 \tl_remove_once:Nn \@preamblecmds {\do#1}
5378 }
5379 \ExplSyntaxOff
5380 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
5381 \newcommand\SetMathCode[4]{%
5382 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5383 \newcommand\SetMathCharDef[4]{%
5384 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5385 \ExplSyntaxOn
5386 \cs_new_eq:NN \orig_mathbf:n \mathbf
5387 \cs_new_eq:NN \orig_mathit:n \mathit
5388 \cs_new_eq:NN \orig_mathrm:n \mathrm
5389 \cs_new_eq:NN \orig_mathsf:n \mathsf
5390 \cs_new_eq:NN \orig_mathtt:n \mathtt
5391 %\int_const:Nn \c_one_int { 1 }
5392 \NewDocumentCommand \new@mathbf { m } {
5393 \orig_mathbf:n {
5394 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5395 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5396 }
5397 #1
5398 }
5399 }
5400 \NewDocumentCommand \new@mathit { m } {

```



```

5401 \orig_mathit:n {
5402   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5403     \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5404   }
5405   #1
5406 }
5407 }
5408 \NewDocumentCommand \new@mathrm { m } {
5409   \orig_mathrm:n {
5410     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5411       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5412     }
5413     #1
5414   }
5415 }
5416 \NewDocumentCommand \new@mathsf { m } {
5417   \orig_mathsf:n {
5418     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5419       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5420     }
5421     #1
5422   }
5423 }
5424 \NewDocumentCommand \new@mathtt { m } {
5425   \orig_mathtt:n {
5426     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5427       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5428     }
5429     #1
5430   }
5431 }
5432
5433 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigitsspec}
5434 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5435 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5436 \char_set_catcode_space:n {32}
5437 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5438 {
5439   The font "#1" does not contain U+#2.
5440 }
5441 {
5442   Select another font and rerun xelatex.
5443 }
5444 \char_set_catcode_ignore:n {32}
5445
5446 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5447 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5448 {
5449   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5450   \prg_return_true:
5451   \else:
5452     \prg_return_false:
5453   \fi:
5454 }

```



```

5455
5456 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5457
5458 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5459 {
5460   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5461   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5462     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5463   }
5464 }
5465
5466 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5467 {
5468   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5469   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5470     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5471   }
5472 }
5473
5474 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5475 {
5476   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5477   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5478     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5479   }
5480 }
5481
5482 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5483 {
5484   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5485     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5486     06F9 , 066A , 066B
5487   } { #1 }
5488 }
5489
5490 \DeclareDocumentCommand \setmathdigitfont { 0{ } m 0{ } }
5491 {
5492   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5493 }
5494 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5495 {
5496   \let\glb@currsizel relax
5497   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5498   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5499   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5500   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5501   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5502   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5503   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5504   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5505   \def\persianmathdigits{%
5506     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5507     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5508     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}

```



```

5509 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5510 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5511 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5512 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5513 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5514 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5515 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5516 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5517 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5518 \tl_set_eq:NN \mathbf \new@mathbf
5519 \tl_set_eq:NN \mathit \new@mathit
5520 \tl_set_eq:NN \mathrm \new@mathrm}
5521 }
5522
5523 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5524
5525 \DeclareDocumentCommand \setmathsfdigitfont { O{ } m O{ } }
5526 {
5527   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5528 }
5529 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5530 {
5531   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5532   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5533   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5534   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5535   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5536 }
5537
5538 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5539
5540 \DeclareDocumentCommand \setmathtttdigitfont { O{ } m O{ } }
5541 {
5542   \__xepersian_main_setmathtttdigitfont:nn {#1,#3} {#2}
5543 }
5544 \cs_new:Nn \__xepersian_main_setmathtttdigitfont:nn
5545 {
5546   \fontspec_set_family:Nnn \g__xepersian_mathtttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5547   \__xepersian_setmathtttdigitfont_hook:nn {#1} {#2}
5548   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5549   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5550   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5551 }
5552
5553 \cs_set_eq:NN \__xepersian_setmathtttdigitfont_hook:nn \use_none:nn
5554
5555 \ExplSyntaxOff
5556 \mathchardef\decimalseparator@point="013A
5557 %{\%
5558 % \catcode`\.\=\active
5559 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5560 \bgroup
5561 \uccode`\~\.%
5562 \uppercase{%

```



```

5563 \egroup
5564 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5565 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@
5566 \def\decimalseparator@check#1#2{%
5567 \ifx\@let@token1\endgroup#1\else
5568 \ifx\@let@token2\endgroup#1\else
5569 \ifx\@let@token3\endgroup#1\else
5570 \ifx\@let@token4\endgroup#1\else
5571 \ifx\@let@token5\endgroup#1\else
5572 \ifx\@let@token6\endgroup#1\else
5573 \ifx\@let@token7\endgroup#1\else
5574 \ifx\@let@token8\endgroup#1\else
5575 \ifx\@let@token9\endgroup#1\else
5576 \ifx\@let@token0\endgroup#1\else
5577 \ifx\@let@token\dot\endgroup#1\else
5578 \ifx\@let@token\overline\endgroup#1\else
5579 \endgroup#2%
5580 \fi
5581 \fi
5582 \fi
5583 \fi
5584 \fi
5585 \fi
5586 \fi
5587 \fi
5588 \fi
5589 \fi
5590 \fi
5591 \fi}
5592 \mathcode`.=8000\relax
5593 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined \.else \persiandecimalsepara
5594 \def\DefaultMathDecimalSeparator{.}
5595 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5596 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5597 \def\DefaultMathDigits{%
5598 \DefaultInlineMathDigits%
5599 \DefaultDisplayMathDigits%
5600 }
5601 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5602 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5603 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5604 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
5605 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5606 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5607 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5608 \ifx\persianmathhttdigits\undefined\else\persianmathhttdigits\fi}}
5609 \def\PersianMathDigits{%
5610 \PersianInlineMathDigits%
5611 \PersianDisplayMathDigits%
5612 }
5613 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5614 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5615 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5616 \ifx\persianmathhttdigits\undefined\else\if@nonlatin\persianmathhttdigits\fi\fi}}

```



```

5617 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5618 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5619 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5620 \ifx\persianmathtttdigits\undefined\else\if@nonlatin\persianmathtttdigits\fi\fi}}
5621 \def\AutoMathDigits{%
5622   \AutoInlineMathDigits%
5623   \AutoDisplayMathDigits%
5624 }
5625 \AutoMathDigits
5626 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5627   \let\SetDisplayMathDigits\relax%
5628 }
5629 \everydisplay\expandafter{%
5630   \the\everydisplay\SetDisplayMathDigits%
5631   \let\SetInlineMathDigits\relax%
5632 }
5633
5634 \ExplSyntaxOn
5635 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5636
5637 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5638   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5639     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5640   }
5641   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5642   \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5643   \tl_set_eq:NN \mathbf \orig_mathbf:n
5644   \tl_set_eq:NN \mathit \orig_mathit:n
5645   \tl_set_eq:NN \mathrm \orig_mathrm:n
5646   \tl_set_eq:NN \mathsf \orig_mathsf:n
5647   \tl_set_eq:NN \mathtt \orig_mathtt:n
5648 }
5649
5650 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5651   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5652     \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5653   }
5654   \SetMathCode{`\%}{\mathbin}{OPERATORS}{`\ }
5655   \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5656   \tl_set_eq:NN \mathbf \new@mathbf
5657   \tl_set_eq:NN \mathit \new@mathit
5658   \tl_set_eq:NN \mathrm \new@mathrm
5659   \tl_set_eq:NN \mathsf \new@mathsf
5660   \tl_set_eq:NN \mathtt \new@mathtt
5661 }
5662 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

5663 \NeedsTeXFormat{LaTeX2e}
5664 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5665   Multiple Choice Questionnaire class for Persian in XeLaTeX]
5666 \RequirePackage{pifont}
5667 \RequirePackage{fullpage}

```



```

5668 \RequirePackage{ifthen}
5669 \RequirePackage{calc}
5670 \RequirePackage{verbatim}
5671 \RequirePackage{tabularx}
5672 \def\@headerfont{\bfseries}
5673 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5674 \def\@X{X}
5675 \newcommand\X[1]{\gdef\@X{#1}}
5676 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5677 \newcolumntype{D}{>{\pbs\centering}X}
5678 \newcolumntype{Q}{>{\@headerfont}X}
5679
5680 \renewcommand\tabularxcolumn[1]{m{#1}}
5681 \newcommand\makeform@nocorrection{%
5682   \addtocontents{frm}{\protect\end{tabularx}}
5683   \@starttoc{frm}}
5684 \newcommand\makeform@correction{%
5685   \addtocontents{frm}{\protect\end{tabularx}}}
5686 \newcommand\makemask@nocorrection{%
5687   \addtocontents{msk}{\protect\end{tabularx}}
5688   \@starttoc{msk}}
5689 \newcommand\makemask@correction{%
5690   \addtocontents{msk}{\protect\end{tabularx}}}
5691 \newlength\questionspace
5692 \setlength\questionspace{0pt}
5693 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5694 \def\@answerstitlefont{\bfseries}
5695 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5696 \def\@answernumberfont{\bfseries}
5697 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5698 \newcounter{question}\stepcounter{question}
5699 \newcounter{@choice}
5700 \def\@initorcheck{%
5701   \xdef\@choices{\the@choice}%
5702   \setcounter{@choice}{1}%
5703   \gdef\@arraydesc{|Q||}%
5704   \gdef\@headerline{}}
5705 \whiledo{\not{\value{@choice}>\@choices}}{
5706   \xdef\@arraydesc{\@arraydesc D|}
5707   \def\@appendheader{\g@addto@macro\@headerline}
5708   \@appendheader{&\protect\@headerfont}
5709   \edef\@the@choice{\alph{@choice}}
5710   \expandafter\@appendheader\@the@choice
5711   \stepcounter{@choice}}%
5712 \addtocontents{frm}{%
5713   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5714   \protect\hline
5715   \@headerline\protect\\\protect\hline\protect\hline}%
5716 \addtocontents{msk}{%
5717   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5718   \protect\hline
5719   \@headerline\protect\\\protect\hline\protect\hline}%
5720 \gdef\@initorcheck{%
5721   \ifthenelse{\value{@choice} = \@choices}{\}%

```




```

5722 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5723 (\the@choice\space instead of \@choices)}{%
5724 Questions must all have the same number of proposed answers.%
5725 \MessageBreak
5726 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}]
5727 \newenvironment{question}[1]{%
5728 %% \begin{question}
5729 \begin{minipage}{\textwidth}
5730 \xdef\@formanswerline{\@questionheader}%
5731 \xdef\@maskanswerline{\@questionheader}%
5732 \fbox{\parbox[c]{\linewidth}{#1}}
5733 \vspace\questionspace\par
5734 {\@answerstitlefont\@answerstitle}
5735 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}{%
5736 %% \end{question}
5737 \end{list}
5738 \@initortcheck%
5739 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5740 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5741 \end{minipage}
5742 \stepcounter{question}}
5743 \def\@truesymbol{\ding{52}~}
5744 \def\@falsesymbol{\ding{56}~}
5745 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5746 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5747 \def\@true@nocorrection{\item}
5748 \def\@false@nocorrection{\item}
5749 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5750 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5751 \newcommand\true{%
5752 \xdef\@formanswerline{\@formanswerline\&}%
5753 \xdef\@maskanswerline{\@maskanswerline\&X}%
5754 \@true}%
5755 \newcommand>false{%
5756 \xdef\@formanswerline{\@formanswerline\&}%
5757 \xdef\@maskanswerline{\@maskanswerline\&}%
5758 \@false}%
5759 \def\@correctionstyle{\itshape}
5760 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5761 \newenvironment@correction{\@correctionstyle}{%
5762 \def\@questionheader{\thequestion}
5763 \answerstitle{}:
5764 \DeclareOption{nocorrection}{%
5765 \let\@true\@true@nocorrection
5766 \let\@false\@false@nocorrection
5767 \let\correction\comment
5768 \let\endcorrection\endcomment
5769 \def\makeform{\makeform@nocorrection}
5770 \def\makemask{\makemask@nocorrection}}
5771 \DeclareOption{correction}{%
5772 \let\@true\@true@correction
5773 \let\@false\@false@correction
5774 \let\correction\@correction
5775 \let\endcorrection\end@correction

```



```

5776 \def\makeform{\makeform@correction}
5777 \def\makemask{\makemask@correction}}
5778 \ExecuteOptions{nocorrection}
5779 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5780 \def\@questiontitlefont{\bfseries}
5781 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5782 \newlength\questiontitlespace
5783 \setlength\questiontitlespace{5pt}
5784 \newlength\questionsepspace
5785 \setlength\questionsepspace{20pt}
5786 \gdef\@questionsepspace{0pt}
5787 \let\old@question\question
5788 \let\old@endquestion\endquestion
5789 \renewenvironment{question}[1]{%
5790   %% \begin{question}
5791   \vspace\@questionsepspace
5792   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5793   \nopagebreak\vspace\questiontitlespace\par
5794   \old@question{#1}}{%
5795   %% \end{question}
5796   \old@endquestion
5797   \gdef\@questionsepspace{\questionsepspace}}
5798 \questiontitle{ \thequestion:}
5799 \ProcessOptions

```

65 File xepersian-persiancal.sty

```

5800 \NeedsTeXFormat{LaTeX2e}
5801 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5802
5803 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5804 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5805 \newcount\XePersian@latini \newcount\XePersian@persiani
5806 \newcount\XePersian@latinii \newcount\XePersian@persianii
5807 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5808 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5809 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5810 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5811 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5812 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5813 \newcount\XePersian@latinix \newcount\XePersian@persianix
5814 \newcount\XePersian@latinx \newcount\XePersian@persianx
5815 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5816 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5817 \newcount\XePersian@persianxiii
5818
5819 \newcount\XePersian@temp
5820 \newcount\XePersian@temptwo
5821 \newcount\XePersian@tempthree
5822 \newcount\XePersian@yModHundred
5823 \newcount\XePersian@thirtytwo
5824 \newcount\XePersian@dn
5825 \newcount\XePersian@sn
5826 \newcount\XePersian@mminusone

```



```

5827
5828
5829 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5830 \XePersian@temp=\XePersian@y
5831 \divide\XePersian@temp by 100\relax
5832 \multiply\XePersian@temp by 100\relax
5833 \XePersian@yModHundred=\XePersian@y
5834 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5835 \ifodd\XePersian@yModHundred
5836   \XePersian@leapfalse
5837 \else
5838   \XePersian@temp=\XePersian@yModHundred
5839   \divide\XePersian@temp by 2\relax
5840   \ifodd\XePersian@temp\XePersian@leapfalse
5841   \else
5842     \ifnum\XePersian@yModHundred=0%
5843       \XePersian@temp=\XePersian@y
5844       \divide\XePersian@temp by 400\relax
5845       \multiply\XePersian@temp by 400\relax
5846       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5847     \else\XePersian@leaptrue
5848     \fi
5849   \fi
5850 \fi
5851 \XePersian@latini=31\relax
5852 \ifXePersian@leap
5853   \XePersian@latinii = 29\relax
5854 \else
5855   \XePersian@latinii = 28\relax
5856 \fi
5857 \XePersian@latiniii = 31\relax
5858 \XePersian@latiniv = 30\relax
5859 \XePersian@latinv = 31\relax
5860 \XePersian@latinvi = 30\relax
5861 \XePersian@latinvii = 31\relax
5862 \XePersian@latinviii = 31\relax
5863 \XePersian@latinix = 30\relax
5864 \XePersian@latinx = 31\relax
5865 \XePersian@latinxi = 30\relax
5866 \XePersian@latinxii = 31\relax
5867 \XePersian@thirtytwo=32\relax
5868 \XePersian@temp=\XePersian@y
5869 \advance\XePersian@temp by -17\relax
5870 \XePersian@temptwo=\XePersian@temp
5871 \divide\XePersian@temptwo by 33\relax
5872 \multiply\XePersian@temptwo by 33\relax
5873 \advance\XePersian@temp by -\XePersian@temptwo
5874 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5875 \else
5876   \XePersian@temptwo=\XePersian@temp
5877   \divide\XePersian@temptwo by 4\relax
5878   \multiply\XePersian@temptwo by 4\relax
5879   \advance\XePersian@temp by -\XePersian@temptwo
5880   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi

```



```

5881 \fi
5882 \XePersian@tempthree=\XePersian@y % Number of Leap years
5883 \advance\XePersian@tempthree by -1
5884 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5885 \divide\XePersian@temp by 4\relax
5886 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5887 \divide\XePersian@temptwo by 100\relax
5888 \advance\XePersian@temp by -\XePersian@temptwo
5889 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5890 \divide\XePersian@temptwo by 400\relax
5891 \advance\XePersian@temp by \XePersian@temptwo
5892 \advance\XePersian@tempthree by -611 % Number of Kabise years
5893 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5894 \divide\XePersian@temptwo by 33\relax
5895 \multiply\XePersian@temptwo by 8\relax
5896 \advance\XePersian@temp by -\XePersian@temptwo
5897 \XePersian@temptwo=\XePersian@tempthree %
5898 \divide\XePersian@temptwo by 33\relax
5899 \multiply\XePersian@temptwo by 33\relax
5900 \advance\XePersian@tempthree by -\XePersian@temptwo
5901 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5902 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5903 \advance\XePersian@temp by -\XePersian@tempthree
5904 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5905 \XePersian@persiani=31
5906 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5907 \XePersian@persianii = 30\relax
5908 \ifXePersian@kabiseh
5909 \XePersian@persianiii = 30\relax
5910 \else
5911 \XePersian@persianiii = 29\relax
5912 \fi
5913 \XePersian@persianiv = 31\relax
5914 \XePersian@persianv = 31\relax
5915 \XePersian@persianvi = 31\relax
5916 \XePersian@persianvii = 31\relax
5917 \XePersian@persianviii= 31\relax
5918 \XePersian@persianix = 31\relax
5919 \XePersian@persianx = 30\relax
5920 \XePersian@persianxi = 30\relax
5921 \XePersian@persianxii = 30\relax
5922 \XePersian@persianxiii= 30\relax
5923 \XePersian@dn= 0\relax
5924 \XePersian@sn= 0\relax
5925 \XePersian@mminusone=\XePersian@m
5926 \advance\XePersian@mminusone by -1\relax
5927 \XePersian@i=0\relax
5928 \ifnum\XePersian@i < \XePersian@mminusone
5929 \loop
5930 \advance \XePersian@i by 1\relax
5931 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5932 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5933 \fi
5934 \advance \XePersian@dn by \XePersian@d

```



```

5935 \XePersian@i=1\relax
5936 \XePersian@sn = \XePersian@persiani
5937 \ifnum \XePersian@sn<\XePersian@dn
5938 \loop
5939 \advance \XePersian@i by 1\relax
5940 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5941 \ifnum \XePersian@sn<\XePersian@dn \repeat
5942 \fi
5943 \ifnum \XePersian@i < 4
5944 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5945 \advance \XePersian@y by -622\relax
5946 \else
5947 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5948 \advance \XePersian@y by -621\relax
5949 \fi
5950 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5951 \endcsname
5952 \ifnum\XePersian@i = 1
5953 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5954 \else
5955 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5956 \fi
5957 \newcommand*{\persiantoday}{\%
5958 \number\XePersian@d\space%
5959 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5960 }
5961 \let\persianyear\XePersian@y
5962 \let\persianmonth\XePersian@m
5963 \let\persianday\XePersian@d
5964 \def\XePersian@persian@month#1{\ifcase#1\or or\
5965 or\
5966 or\ or\
5967 or\
5968 or\ or\
5969 or\ or\
5970 or\ or\
5971 \fi\

```



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