



The XePersian *Package*

Source documentation for [version 25.09.08](#)

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/xepersian/xepersian/issues>

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

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The XePersian *Package*

Persian for L^AT_EX 2_ε in XeT_EX and LuaT_EX engines

Source documentation for [version 25.09.08](#)

Vafa Khalighi*

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1 File algorithmic-xetex-xepersian.def

```

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

```

2 File algorithm-xetex-xepersian.def

```

4 \ProvidesFile{algorithm-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for algo
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-xetex-xepersian.def

```

8 \ProvidesFile{amsart-xetex-xepersian.def}[2017/02/04 v0.4 xepersian adaptations for amsart c
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-xetex-xepersian.def

```

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

```



```

26 \renewcommand \thepart {\@tartibi\c@part}
27 \def\appendix{\par
28   \c@chapter\z@ \c@section\z@
29   \let\chaptername\appendixname
20 \def\thechapter{\@harfi\c@chapter}}
21
22

```

5 File appendix-xetex-xepersian.def

```

23 \ProvidesFile{appendix-xetex-xepersian.def}[2015/02/01 v0.1 xepersian adaptations for appendi
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-xetex-xepersian.def

```

38 \ProvidesFile{article-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for standar
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-xetex-xepersian.def

```

44 \ProvidesFile{artikel1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel
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-xetex-xepersian.def

```

50 \ProvidesFile{artikel2-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel
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-xetex-xepersian.def



```

56 \ProvidesFile{artikel3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel
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-xetex-xepersian.def

```

62 \ProvidesFile{backref-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for backref
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-xetex-xepersian.def

```

82 \ProvidesFile{beamer-xetex-xepersian.def}[2022/06/27 v0.2 xepersian adaptations for beamer c
83 \usefonttheme[stillsansserifmath]{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-xetex-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xetex-xepersian.def}[2022/06/27 v0.3 xepersian adaptations
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 `bidituftesidenote-xetex-xepersian.def`

```

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

```

14 File `bidimoderncv-xetex-xepersian.def`

```

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

```

15 File `boek3-xetex-xepersian.def`

```

122 \ProvidesFile{boek3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian 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-xetex-xepersian.def`

```

133 \ProvidesFile{boek-xetex-xepersian.def}[2010/07/25 v0.1 xepersian 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-xetex-xepersian.def

```
144 \ProvidesFile{bookest-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for bookest
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-xetex-xepersian.def

```
152 \ProvidesFile{book-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for 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-xetex-xepersian.def

```
164 \ProvidesFile{breqn-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for breqn pack
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-localize-commands-xetex-xepersian.def

```

204 \ProvidesFile{latex-localize-commands-xetex-xepersian.def}[2014/02/05 v0.3 Persian localization]
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{ }{addvspace}
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{ }{alsoname}
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{      }{crr}
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{ @ }{@ur}
434 \eqcommand{ }{fam}
435 \eqcommand{ }{fancy page}
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@tempwa}
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{ }{@outeqtrue}
775 \eqcommand{ }{@outeqfalse}
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{ }{preplaysize}
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{@ }{@sirt@n}
935 \eqcommand{ }{skewchar}
936 \eqcommand{ }{skip}
937 \eqcommand{@ }{@skip@}
938 \eqcommand{ }{skipdef}
939 \eqcommand{ }{sl}
940 \eqcommand{ }{sldefault}

```



```

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

```

1148 color}          \-localize-xetex-xepersian.def}[2011/03/01 v0.1 localizing color package for Xe
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-localize-commands-xetex-xepersian.def

```

1157 \ProvidesFile{xepersian-localize-commands-xetex-xepersian.def}[2012/07/25 v0.2 Persian local
1158 \eqcommand{ }{autofooterule}
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{ }{r1}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}

```




```

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

```

26 [File xepersian-localize-environments-xetex-xepersian.def](#)

```

1288 \ProvidesFile{xepersian-localize-environments-xetex-xepersian.def}[2010/07/25 v0.1 Persian 1
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-xetex-xepersian.def

```
1299 \ProvidesFile{extarticle-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extar
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-xetex-xepersian.def

```
1305 \ProvidesFile{extbook-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extbook
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-xetex-bidi-xetex-xepersian.def

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

30 File extreport-xetex-xepersian.def

```
1321 \ProvidesFile{extreport-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extrep
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-xetex-xepersian.def

```
1328 \ProvidesFile{fancyref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for fancyr
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-xetex-bidi-xetex-xepersian.def

```

1487 \ProvidesFile{footnote-xetex-bidi-xetex-xepersian.def}[2017/08/09 v0.6 xepersian adaptations
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-xetex-xepersian.def




```

1495 \ProvidesFile{framed-xetex-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed pa
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-xetex-xepersian.def

```

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

```

35 File hyperref-xetex-xepersian.def

```

1513 \ProvidesFile{hyperref-xetex-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperre
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-xetex-xepersian.def`

```

1560 \ProvidesFile{imsproc-xetex-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc
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-xetex-xepersian.def`

```

1567 \ProvidesFile{kashida-xetex-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for XeTeX
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@dualjoiner=10 % dual-joiner class
1572 \chardef\xepersian@lam=11 % lam
1573 \chardef\xepersian@rightjoiner=12 % right-joiner
1574 \chardef\xepersian@alef=13 % alef
1575 \chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578 \if@Kashida@on
1579 \xepersian@zwj
1580 \nobreak
1581 \leaders\hrule height \XeTeXglyphbounds\tw@
1582 \the\XeTeXcharglyph\xepersian@kashidachar
1583 depth \XeTeXglyphbounds\fo@ur
1584 \the\XeTeXcharglyph\xepersian@kashidachar
1585 \hskip0pt plus 0.5em
1586 \xepersian@zwj
1587 \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1591 \expandafter\dosetclass\charlist,\end}
1592 \def\dosetclass#1,#2\end{%
1593 \def\test{#1}\def\charlist{#2}%
1594 \ifx\test\empty\let\next\finishsetclass
1595 \else \XeTeXcharclass "\test = \thecharclass
1596 \let\next\dosetclass \fi
1597 \expandafter\next\charlist,,\end}
1598 \def\finishsetclass#1,,\end{}
1599
1600 \setclass \xepersian@alef {0622,0623,0625,0627}
1601 \setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
1602 \setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
1603 \setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
1604 \setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1605 \setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
1606 \setclass \xepersian@lam {0644}
1607 \setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}
1608
1609 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
1610 \XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
1611 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
1612 \XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
1613 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
1614 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
1615 \XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
1616 \XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}
1617
1618 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1619 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1620
1621 \KashidaOn

```

38 File listings-xetex-xepersian.def

```

1622 \ProvidesFile{listings-xetex-xepersian.def}[2014/07/17 v0.3 xepersian adaptations for listings]
1623 \def\lstlistingname{\if@RTL else\ Listing\fi}
1624 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

39 File localize-xetex-xepersian.def

```

1625 \ProvidesFile{localize-xetex-xepersian.def}[2025/01/06 v0.2e Persian localization of LaTeX2e]
1626 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1627 \makezwnjletter
1628 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1629 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1630 \if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{\csname#2\endcsname}}{\csname#2\endcsname}}
1631 \newcommand*{\EqEnvironment}[2]{%
1632 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1633 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1634 }
1635 \newcommand*\keyval@eq@alias@key[4][KV]{%
1636 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1637 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1638 }

```



```

1639 \input{latex-localize-commands-xetex-xepersian.def}
1640 \input{xepersian-localize-commands-xetex-xepersian.def}
1641 \input{latex-localize-environments-xetex-xepersian.def}
1642 \input{xepersian-localize-environments-xetex-xepersian.def}
1643 \input{latex-localize-messages-xetex-xepersian.def}
1644 \input{latex-localize-misc-xetex-xepersian.def}
1645 \input{packages-localize-xetex-xepersian.def}
1646 \aliasfontfeature{ExternalLocation}{ }
1647 \aliasfontfeature{Path}{ }
1648 \aliasfontfeature{Renderer}{ }
1649 \aliasfontfeature{BoldFont}{ }
1650 \aliasfontfeature{Language}{ }
1651 \aliasfontfeature{Script}{ }
1652 \aliasfontfeature{UprightFont}{ }
1653 \aliasfontfeature{ItalicFont}{ }
1654 \aliasfontfeature{BoldItalicFont}{ }
1655 \aliasfontfeature{SlantedFont}{ }
1656 \aliasfontfeature{BoldSlantedFont}{ }
1657 \aliasfontfeature{SmallCapsFont}{ }
1658 \aliasfontfeature{UprightFeatures}{ }
1659 \aliasfontfeature{BoldFeatures}{ }
1660 \aliasfontfeature{ItalicFeatures}{ }
1661 \aliasfontfeature{BoldItalicFeatures}{ }
1662 \aliasfontfeature{SlantedFeatures}{ }
1663 \aliasfontfeature{BoldSlantedFeatures}{ }
1664 \aliasfontfeature{SmallCapsFeatures}{ }
1665 \aliasfontfeature{SizeFeatures}{ }
1666 \aliasfontfeature{Scale}{ }
1667 \aliasfontfeature{WordSpace}{ }
1668 \aliasfontfeature{PunctuationSpace}{ }
1669 \aliasfontfeature{FontAdjustment}{ }
1670 \aliasfontfeature{LetterSpace}{ }
1671 \aliasfontfeature{HyphenChar}{ }
1672 \aliasfontfeature{Color}{ }
1673 \aliasfontfeature{Opacity}{ }
1674 \aliasfontfeature{Mapping}{ }
1675 \aliasfontfeature{Weight}{ }
1676 \aliasfontfeature{Width}{ }
1677 \aliasfontfeature{OpticalSize}{ }
1678 \aliasfontfeature{FakeSlant}{ }
1679 \aliasfontfeature{FakeStretch}{ }
1680 \aliasfontfeature{FakeBold}{ }
1681 \aliasfontfeature{AutoFakeSlant}{ }
1682 \aliasfontfeature{AutoFakeBold}{ }
1683 \aliasfontfeature{Ligatures}{ }
1684 \aliasfontfeature{Alternate}{ }
1685 \aliasfontfeature{Variant}{ }
1686 \aliasfontfeature{Variant}{ }
1687 \aliasfontfeature{CharacterVariant}{ }
1688 \aliasfontfeature{Style}{ }
1689 \aliasfontfeature{Annotation}{ }
1690 \aliasfontfeature{RawFeature}{ }
1691 \aliasfontfeature{CharacterWidth}{ }
1692 \aliasfontfeature{Numbers}{ }

```



```

1693 \aliasfontfeature{Contextuals}{ }
1694 \aliasfontfeature{Diacritics}{ }
1695 \aliasfontfeature{Letters}{ }
1696 \aliasfontfeature{Kerning}{ }
1697 \aliasfontfeature{VerticalPosition}{ }
1698 \aliasfontfeature{Fractions}{ }
1699 \aliasfontfeatureoption{Language}{Default}{ }
1700 \aliasfontfeatureoption{Language}{Persian}{ }
1701 \aliasfontfeatureoption{Script}{Persian}{ }
1702 \aliasfontfeatureoption{Script}{Latin}{ }
1703 \aliasfontfeatureoption{Style}{MathScript}{ }
1704 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

40 File memoir-xetex-xepersian.def

```

1705 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir c
1706 \renewcommand{\@memfront}{%
1707   \@smemfront\pagenumbering{harfi}}
1708 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1709 \renewcommand*{\thebook}{\@tartibi\c@book}
1710 \renewcommand*{\thepart}{\@tartibi\c@part}
1711 \renewcommand{\appendix}{\par
1712   \setcounter{chapter}{0}%
1713   \setcounter{section}{0}%
1714   \gdef\@chapapp{\appendixname}%
1715   \gdef\thechapter{\@harfi\c@chapter}%
1716   \anappendixtrue}

```

41 File latex-localize-messages-xetex-xepersian.def

```

1717 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e mes

```

42 File minitoc-xetex-xepersian.def

```

1718 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc
1719 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1720 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1721 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1722 \def\mtctitle{\if@RTL else\ Contents\fi}%
1723 \def\mlftitle{\if@RTL else\ Figures\fi}%
1724 \def\mltttitle{\if@RTL else\ Tables\fi}%
1725 \def\stctitle{\if@RTL else\ Contents\fi}%
1726 \def\slftitle{\if@RTL else\ Figures\fi}%
1727 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

43 File latex-localize-misc-xetex-xepersian.def

```

1728 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian
1729 %}1# \ \
1730 \@ \ @ \ \
1731 \1# \
1732 \1# @\
1733 \1# @\
1734 {\@ \ \

```



```

1735 %}2#1# @\ \
1736 %1# \ @\ \ \ \ \
1737 \2# \ @\ \
1738 {{2#1# \}}
1739 undefined\ \ \
1740
1741 %{ \ \ \ \1#} \ \} \1# \ \
1742 \ \ { \ \ \ \
1743 \ \ \
1744
1745
1746 \ \ \ \%} \#1
1747 \1#} \ \ \% \
1748 \ \ \ \ \
1749 }%
1750 \
1751 \ \ \
1752 }
1753 \= \ \
1754
1755
1756 \ApplyPatchCodeToFile{latex-xetex-bidi}{%
1757 \def\xfloat #1[#2]{%
1758 \nodocument
1759 \def \capttype {#1}%
1760 \def \@fps {#2}%
1761 \@onelevel@sanitize \@fps
1762 \def \reserved@b {!}%
1763 \ifx \reserved@b \@fps
1764 \@fpsadddefault
1765 \else
1766 \ifx \@fps \@empty
1767 \@fpsadddefault
1768 \fi
1769 \fi
1770 \ifhmode
1771 \@bsphack
1772 \@floatpenalty -\@Mii
1773 \else
1774 \@floatpenalty-\@Miii
1775 \fi
1776 \ifinner
1777 \@parmoderr\@floatpenalty\z@
1778 \else
1779 \@next\@currbox\@freelist
1780 {%
1781 \@tempcnta \sixt@@n
1782 \expandafter \@tfor \expandafter \reserved@a
1783 \expandafter :\expandafter =\@fps
1784 \do
1785 {%
1786 \if \reserved@a h%
1787 \ifodd \@tempcnta
1788 \else

```



```

1789         \advance \@tempcnta \@ne
1790         \fi
1791     \fi
1792     \if \reserved@a %
1793         \ifodd \@tempcnta
1794         \else
1795             \advance \@tempcnta \@ne
1796         \fi
1797     \fi
1798     \if \reserved@a t%
1799         \@setfpsbit \tw@
1800     \fi
1801     \if \reserved@a %
1802         \@setfpsbit \tw@
1803     \fi
1804     \if \reserved@a b%
1805         \@setfpsbit 4%
1806     \fi
1807     \if \reserved@a %
1808         \@setfpsbit 4%
1809     \fi
1810     \if \reserved@a p%
1811         \@setfpsbit 8%
1812     \fi
1813     \if \reserved@a %
1814         \@setfpsbit 8%
1815     \fi
1816     \if \reserved@a !%
1817         \ifnum \@tempcnta>15
1818             \advance\@tempcnta -\sixt@@n\relax
1819         \fi
1820     \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capttype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827 \let\@fltovf
1828 \fi
1829 \global \setbox\@currbox
1830 \color@vbox
1831 \normalcolor
1832 \vbox \bgroup
1833 \hsize\columnwidth
1834 \@parboxrestore
1835 \@floatboxreset
1836 }
1837 \let\bm@ \bm@c
1838 \let\bm@ \bm@l
1839 \let\bm@ \bm@r
1840 \let\bm@ \bm@b
1841 \let\bm@ \bm@t
1842 \let\bm@ \bm@s

```



```

1843 \long\def\@iiiparbox#1#2[#3]#4#5{%
1844 \leavevmode
1845 \@pboxswfalse
1846 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1847 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1848 \setlength\@tempdima{#4}%
1849 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1850 \ifx\relax#2\else
1851 \setlength\@tempdimb{#2}%
1852 \edef\@parboxto{to\the\@tempdimb}%
1853 \fi
1854 \if#1b\vbox
1855 \else\if#1\vbox
1856 \else\if #1t\vtop
1857 \else\if vtop\ #1
1858 \else\ifmmode\vcenter
1859 \else\@pboxswtrue $\vcenter
1860 \fi\fi\fi\fi\fi
1861 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1862 \csname bm@#3\endcsname}%
1863 \if@pboxsw \m@th$\fi
1864 \@end@tempboxa}
1865 \def\@iiiminipage#1#2[#3]#4{%
1866 \leavevmode
1867 \@pboxswfalse
1868 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1869 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1870 \setlength\@tempdima{#4}%
1871 \def\@mpargs{#1}#2[#3]{#4}%
1872 \setbox\@tempboxa\vbox\bgroup
1873 \color@begingroup
1874 \hsize\@tempdima
1875 \textwidth\hsize \columnwidth\hsize
1876 \@parboxrestore
1877 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1878 \let\@footnotetext\@mpfootnotetext
1879 \let\@LTRfootnotetext\@mpLTRfootnotetext
1880 \let\@RTLfootnotetext\@mpRTLfootnotetext
1881 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1882 \@minipagerestore
1883 \@setminipage}
1884 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1885 \ifnum \@lastchclass=3 5 \else
1886 \z@ \if #1c\@chnum \z@ \else
1887 \if chnum@ \ #1 \z@ \else
1888 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1889 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1890 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1891 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1892 \@chclass \if #1l\@ne \else
1893 \if #1@ \tw@ \else
1894 \if #1p3 \else
1895 \if 3 #1 \else \z@ \@preamerr 0\fi
1896 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```




```

1897 \fi}%
1898 }
1899 \ApplyPatchCodeToFile{array-xetex-bidi}{%
1900 \def\@testpach{\@chclass
1901 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1902 \ifnum \@lastchclass=7 5 \else
1903 \ifnum \@lastchclass=8 \tw@ \else
1904 \ifnum \@lastchclass=9 \thr@@
1905 \else \z@
1906 \ifnum \@lastchclass = 10 \else
1907 \edef\@nextchar{\expandafter\string\@nextchar}%
1908 \@chnum
1909 \if \@nextchar c\z@ \else
1910 \if \@nextchar @z\ \else
1911 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1912 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1913 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1914 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1915 \z@ \@chclass
1916 \if \@nextchar |\@ne \else
1917 \if \@nextchar !6 \else
1918 \if \@nextchar @7 \else
1919 \if \@nextchar <8 \else
1920 \if \@nextchar >9 \else
1921 10
1922 \@chnum
1923 \if \@nextchar m\thr@@\else
1924 \if \@nextchar thr@@\else\
1925 \if \@nextchar p4 \else
1926 \if \@nextchar 4 \else
1927 \if \@nextchar b5 \else
1928 \if \@nextchar 5 \else
1929 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1930 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1931 }
1932 \ApplyPatchCodeToFile{arydshln-xetex-bidi}{
1933 \ifadl@usingarypkg
1934 \def\@testpach{\@chclass
1935 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1936 \ifnum \@lastchclass=7 5 \else
1937 \ifnum \@lastchclass=8 \tw@ \else
1938 \ifnum \@lastchclass=9 \thr@@
1939 \else \z@
1940 \ifnum \@lastchclass = 10 \else
1941 \edef\@nextchar{\expandafter\string\@nextchar}%
1942 \@chnum
1943 \if \@nextchar c\z@ \else
1944 \if \@nextchar @z\ \else
1945 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1946 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1947 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1948 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1949 \z@ \@chclass
1950 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```



```

1951 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1952 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1953 \if \@nextchar !6 \else
1954 \if \@nextchar 07 \else
1955 \if \@nextchar <8 \else
1956 \if \@nextchar >9 \else
1957 10
1958 \@chnum
1959 \if \@nextchar m\thr@@\else
1960 \if \@nextchar thr@@\else\
1961 \if \@nextchar p4 \else
1962 \if \@nextchar 4 \else
1963 \if \@nextchar b5 \else
1964 \if \@nextchar 5 \else
1965 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1966 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1967
1968 \def\@classz{\@classx
1969 \@tempcnta \count@
1970 \prepnext@tok
1971 \@addtopreamble{\ifcase \@chnum
1972 \hfil
1973 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1974 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1975 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1976 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1977 \adl@endmbox\or
1978 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1979 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1980 \fi}\prepnext@tok}
1981 \def\adl@class@start{4}
1982 \def\adl@class@iiiiorvii{7}
1983
1984 \else
1985 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1986 \ifnum \@lastchclass=\thr@@ 5\relax \else
1987 \z@ \if #1c\@chnum \z@ \else
1988 \if @chnum\z@\ #1 \else
1989 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1990 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1991 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1992 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1993 \@chclass
1994 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1995 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1996 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1997 \if #1@\tw@ \else
1998 \if #1p\thr@@ \else
1999 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2000 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2001
2002 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2003 \or \or \@addamp \or
2004 \@acolampacol \or \@firstampfalse \@acol \fi

```



```

2005     \edef\@preamble{\@preamble
2006         \ifcase \@chnum
2007             \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2008             \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2009             \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2010 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2011     \or \or \@addamp \or
2012     \@acolampacol \or \@firstampfalse \@acol \fi
2013     \edef\@preamble{\@preamble
2014         \ifcase \@chnum
2015             \hfil\adl@putlrc{\@sharp\unskip}\hfil
2016             \or \adl@putlrc{\@sharp\unskip}\hfil
2017             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2018 \def\adl@class@start{6}
2019 \def\adl@class@iiiorvii{3}
2020 \fi
2021 }
2022 \ApplyPatchCodeToFile{tabulary-xetex-bidi}{%
2023 \def\@testpach{\@chclass
2024 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2025 \ifnum \@lastchclass=7 5 \else
2026 \ifnum \@lastchclass=8 \tw@ \else
2027 \ifnum \@lastchclass=9 \thr@@
2028 \else \z@
2029 \ifnum \@lastchclass = 10 \else
2030 \edef\@nextchar{\expandafter\string\@nextchar}%
2031 \@chnum
2032 \if \@nextchar c\z@ \else
2033 \if \@nextchar @z\ \else
2034 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2035 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2036 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2037 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2038 \if \@nextchar C7 \else
2039 \if \@nextchar 7 \else
2040 \if \@nextchar L8 \else
2041 \if \@nextchar 8 \else
2042 \if \@nextchar R9 \else
2043 \if \@nextchar 9 \else
2044 \if \@nextchar J10 \else
2045 \if \@nextchar 10 \else
2046 \z@ \@chclass
2047 \if\@nextchar |\@ne \else
2048 \if \@nextchar !6 \else
2049 \if \@nextchar @7 \else
2050 \if \@nextchar <8 \else
2051 \if \@nextchar >9 \else
2052 10
2053 \@chnum
2054 \if \@nextchar m\thr@@\else
2055 \if \@nextchar thr@@\else\
2056 \if \@nextchar p4 \else
2057 \if \@nextchar4 \else
2058 \if \@nextchar b5 \else

```




```

2110     \let\NAT@super@kern\relax
2111     \fi
2112     \let\@citex\NAT@citexnum
2113 \let\@Latincitex\NAT@Latin@citexnum
2114     \let\@biblabel\NAT@biblabelnum
2115     \let\@bibsetup\NAT@bibsetnum
2116     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2117     \def\natexlab##1{%
2118     \def\NAT@penalty{\penalty\@m}%
2119 \else
2120     \let\@cite\NAT@cite
2121     \let\@citex\NAT@citex
2122     \let\@Latincitex\NAT@Latin@citex
2123     \let\@biblabel\NAT@biblabel
2124     \let\@bibsetup\NAT@bibsetup
2125     \let\NAT@space\NAT@spacechar
2126     \let\NAT@penalty\@empty
2127     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2128     \def\natexlab##1{##1}%
2129 \fi}
2130 \newcommand\NAT@Latin@citex{}
2131 \def\NAT@Latin@citex%
2132   [#1][#2]#3{%
2133   \NAT@reset@parser
2134   \NAT@sort@cites{#3}%
2135   \NAT@reset@citea
2136   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2137   \@for\@citeb:=\NAT@cite@list\do
2138   {\@safe@activestru
2139   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2140   \@safe@activesfalse
2141   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2142   {\reset@font\bfseries ?}\NAT@citeundefined
2143   \PackageWarning{natbib}%
2144   {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2145   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2146   \NAT@parse{\@citeb}%
2147   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2148   \let\NAT@name=\NAT@all@names
2149   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2150   \fi
2151   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2152   \let\NAT@nm\NAT@name\fi
2153   \ifNAT@swa\ifcase\NAT@ctype
2154   \if\relax\NAT@date\relax
2155   \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2156   \else
2157   \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2158   \ifx\NAT@last@yr\NAT@year
2159   \def\NAT@temp{?}%
2160   \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2161   {Multiple citation on page \thepage: same authors and
2162   year\MessageBreak without distinguishing extra
2163   letter,\MessageBreak appears as question mark}\fi

```



```

2164         \NAT@hyper@{\NAT@exlab}%
2165         \else\unskip\NAT@spacechar
2166         \NAT@hyper@{\NAT@date}%
2167         \fi
2168     \else
2169         \@citea\NAT@hyper@{%
2170         \NAT@nmfmt{\NAT@nm}%
2171         \hyper@natlinkbreak{%
2172         \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2173         }%
2174         \NAT@date
2175         }%
2176     \fi
2177 \fi
2178 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2179 \or\@citea\NAT@hyper@{\NAT@date}%
2180 \or\@citea\NAT@hyper@{\NAT@alias}%
2181 \fi \NAT@def@citea
2182 \else
2183     \ifcase\NAT@ctype
2184     \if\relax\NAT@date\relax
2185         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2186     \else
2187         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2188             \ifx\NAT@last@yr\NAT@year
2189                 \def\NAT@temp{?}%
2190                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2191                 {Multiple citation on page \thepage: same authors and
2192                 year\MessageBreak without distinguishing extra
2193                 letter,\MessageBreak appears as question mark}\fi
2194                 \NAT@hyper@{\NAT@exlab}%
2195             \else
2196                 \unskip\NAT@spacechar
2197                 \NAT@hyper@{\NAT@date}%
2198             \fi
2199         \else
2200             \@citea\NAT@hyper@{%
2201             \NAT@nmfmt{\NAT@nm}%
2202             \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2203             {\@citeb\@extra@b@citeb}%
2204             \NAT@date
2205             }%
2206         \fi
2207     \fi
2208 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2209 \or\@citea\NAT@hyper@{\NAT@date}%
2210 \or\@citea\NAT@hyper@{\NAT@alias}%
2211 \fi
2212 \if\relax\NAT@date\relax
2213     \NAT@def@citea
2214 \else
2215     \NAT@def@citea@close
2216 \fi
2217 \fi

```



```

2218     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2219     \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2220 \newcommand\NAT@Latin@citexnum{}
2221 \def\NAT@Latin@citexnum[#1][#2]#3{%
2222   \NAT@reset@parser
2223   \NAT@sort@cites{#3}%
2224   \NAT@reset@citea
2225   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2226     \for\@citeb:=\NAT@cite@list\do
2227       {\@safe@activestrue
2228         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2229         \@safe@activesfalse
2230         \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2231           {\reset@font\bfseries?}
2232           \NAT@citeundefined\PackageWarning{natbib}%
2233             {Citation ``\@citeb' on page \thepage \space undefined}}%
2234           {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2235             \NAT@parse{\@citeb}}%
2236           \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2237             \let\NAT@name=\NAT@all@names
2238             \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2239           \fi
2240           \ifNAT@full\let\NAT@nm\NAT@all@names\else
2241             \let\NAT@nm\NAT@name\fi
2242           \ifNAT@swa
2243             \@ifnum{\NAT@c@type>\@ne}{%
2244               \@citea
2245               \NAT@hyper@{\@ifnum{\NAT@c@type=\tw@}{\NAT@test{\NAT@c@type}}{\NAT@alias}}%
2246             }{%
2247               \@ifnum{\NAT@cmprs>\z@}{%
2248                 \NAT@ifcat@num\NAT@num
2249                 {\let\NAT@nm=\NAT@num}%
2250                 {\def\NAT@nm{-2}}%
2251                 \NAT@ifcat@num\NAT@last@num
2252                 {\@tempcnta=\NAT@last@num\relax}%
2253                 {\@tempcnta\m@ne}%
2254                 \@ifnum{\NAT@nm=\@tempcnta}{%
2255                   \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mb@x}%
2256                 }{%
2257                   \advance\@tempcnta by\@ne
2258                   \@ifnum{\NAT@nm=\@tempcnta}{%
2259                     \ifx\NAT@last@yr\relax
2260                       \def\NAT@last@yr{\@citea}%
2261                     \else
2262                       \def\NAT@last@yr{--\NAT@penalty}%
2263                     \fi
2264                   }{%
2265                     \NAT@last@yr@mb@x
2266                   }%
2267                 }%
2268               }{%
2269                 \@tempswatrue
2270                 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}}%
2271               \if@tempswa\NAT@citea@mb@x\fi

```



```

2272     }%
2273   }%
2274   \NAT@def@citea
2275   \else
2276     \ifcase\NAT@ctype
2277     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2278     \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2279     \fi
2280     \if*#1*\else#1\NAT@spacechar\fi
2281     \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2282     \NAT@def@citea@box
2283     \or
2284     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2285     \or
2286     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2287     \or
2288     \NAT@hyper@citea@space\NAT@alias
2289     \fi
2290   \fi
2291 }%
2292 }%
2293 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2294 \ifNAT@swa\else
2295   \@ifnum{\NAT@ctype=\z@}{%
2296     \if*#2*\else\NAT@cmt#2\fi
2297   }{%
2298     \NAT@mbox{\NAT@@close}%
2299   \fi
2300 }}{#1}{#2}%
2301 }%
2302 \AtBeginDocument{\NAT@set@cites}
2303 \DeclareRobustCommand\Latincite
2304   {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2305     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2306 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2307   \ifNAT@numbers\else
2308     \NAT@swafalse
2309     \fi
2310   \NAT@@Latin@@citetp[]}}
2311 \newcommand\NAT@@Latin@@citetp{
2312 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar[{\@Latincitex[#1]}{\@Latincitex[][#1]}}

```

45 File packages-localize-xetex-xepersian.def

```

2313 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2314 color} \}{color} @\-localize-xetex-xepersian.def}}{
2315 \ApplyPatchCodeToPackage{multicol}{%
2316 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2317 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2318 }
2319 \ApplyPatchCodeToPackage{verbatim}{%
2320 \begingroup
2321 \vrb@catcodes
2322 \lccode\!=\ \ \lccode\=[\ \lccode\]=\

```




```

2323 \catcode\~=\active \lccode\~=\^^M
2324 \lccode\C=\C
2325 \lowercase{\endgroup
2326   \def\xepersian@localize@verbatim@start#1{%
2327     \verbatim@startline
2328     \if\noexpand#1\noexpand~%
2329       \let\next\xepersian@localize@verbatim@
2330     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2331     \next}%
2332 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2333 \def\xepersian@localize@verbatim@@#1! {%
2334   \verbatim@addtoline{#1}%
2335   \futurelet\next\xepersian@localize@verbatim@@@}%
2336 \def\xepersian@localize@verbatim@@@#1\@nil{%
2337   \ifx\next\@nil
2338     \verbatim@processline
2339     \verbatim@startline
2340     \let\next\xepersian@localize@verbatim@
2341   \else
2342     \def\@tempa##1! \@nil{##1}%
2343     \@temptokena{! }%
2344     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2345     \fi \next}%
2346 \def\xepersian@localize@verbatim@test#1{%
2347   \let\next\xepersian@localize@verbatim@test
2348   \if\noexpand#1\noexpand~%
2349     \expandafter\verbatim@addtoline
2350     \expandafter{\the\@temptokena}%
2351     \verbatim@processline
2352     \verbatim@startline
2353     \let\next\xepersian@localize@verbatim@
2354   \else \if\noexpand#1
2355     \@temptokena\expandafter{\the\@temptokena#1}%
2356   \else \if\noexpand#1\noexpand[%
2357     \let\@tempc\@empty
2358     \let\next\xepersian@localize@verbatim@testend
2359   \else
2360     \expandafter\verbatim@addtoline
2361     \expandafter{\the\@temptokena}%
2362     \def\next{\xepersian@localize@verbatim@#1}%
2363     \fi\fi\fi
2364     \next}%
2365 \def\xepersian@localize@verbatim@testend#1{%
2366   \if\noexpand#1\noexpand~%
2367     \expandafter\verbatim@addtoline
2368     \expandafter{\the\@temptokena []}%
2369     \expandafter\verbatim@addtoline
2370     \expandafter{\@tempc}%
2371     \verbatim@processline
2372     \verbatim@startline
2373     \let\next\xepersian@localize@verbatim@
2374   \else\if\noexpand#1\noexpand[%
2375     \let\next\xepersian@localize@verbatim@@testend
2376   \else\if\noexpand#1\noexpand!%

```



```

2377         \expandafter\verbatim@addtoline
2378         \expandafter{\the\@temptokena []}%
2379         \expandafter\verbatim@addtoline
2380         \expandafter{\@tempc}%
2381         \def\next{\xepersian@localize@verbatim@!}%
2382         \else \expandafter\def\expandafter\@tempc\expandafter
2383         {\@tempc#1}\fi\fi\fi
2384         \next}%
2385 \def\xepersian@localize@verbatim@@testend{%
2386 \ifx\@tempc\@currenvir
2387 \verbatim@finish
2388 \edef\next{\noexpand\end{\@currenvir}%
2389 \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2390 \else
2391 \expandafter\verbatim@addtoline
2392 \expandafter{\the\@temptokena []}%
2393 \expandafter\verbatim@addtoline
2394 \expandafter{\@tempc}]%
2395 \let\next\xepersian@localize@verbatim@
2396 \fi
2397 \next}%
2398 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2399 \@warning{Characters dropped after `~\string\end{#1}'}\fi}%
2400 \def\
2401     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2402     \xepersian@localize@verbatim@start}
2403 \namedef{
2404     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2405 \def\end
2406     {\endtrivlist\endgroup\@doendpe}
2407 \expandafter\let\csname end
2408     *\endcsname =\end
2409 }
2410 \ExplSyntaxOn
2411 \AtBeginDocument{
2412 \xepersian_localize_patch_verbatim:
2413 }
2414 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2415 \ApplyPatchCodeToPackage{verbatim}{
2416 \cs_set:cpn {*
2417 }
2418 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2419 }
2420 }
2421 \ExplSyntaxOff
2422 \ApplyPatchCodeToPackage{graphicx}{%
2423 \def\Gin@boolkey#1#2{%
2424 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2425 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2426 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2427 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2428 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2429 \define@key{Grot}{origin}[c]{%
2430 \@tfor\@tempa:=#1\do{%
2431 \if l\@tempa \Grot@x\z@\else
2432 \if tempa@ \Grot@x\z@\else
2433 \if r\@tempa \Grot@x\width\else
2434 \if tempa@ \Grot@x\width\else

```




```

2479 U+0036 <> U+06F6 ;
2480 U+0037 <> U+06F7 ;
2481 U+0038 <> U+06F8 ;
2482 U+0039 <> U+06F9 ;
2483
2484
2485 U+002C <> U+060C ; comma > arabic comma
2486 U+003F <> U+061F ; question mark -> arabic qm
2487 U+003B <> U+061B ; semicolon -> arabic semicolon
2488
2489 ; ligatures from Knuth's original CMR fonts
2490 U+002D U+002D <> U+2013 ; -- -> en dash
2491 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2492
2493 U+0027 <> U+2019 ; ' -> right single quote
2494 U+0027 U+0027 <> U+201D ; '' -> right double quote
2495 U+0022 > U+201D ; " -> right double quote
2496
2497 U+0060 <> U+2018 ; ` -> left single quote
2498 U+0060 U+0060 <> U+201C ; `` -> left double quote
2499
2500 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2501 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2502
2503 ; additions supported in T1 encoding
2504 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2505 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2506 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

48 File persian-tex-text-nonnumbers.map

```

2507 LHSName "persian-TeX-text-nonnumbers"
2508 RHSName "Unicode"
2509
2510 pass(Unicode)
2511 U+002C <> U+060C ; comma > arabic comma
2512 U+003F <> U+061F ; question mark -> arabic qm
2513 U+003B <> U+061B ; semicolon -> arabic semicolon
2514
2515 ; ligatures from Knuth's original CMR fonts
2516 U+002D U+002D <> U+2013 ; -- -> en dash
2517 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2518
2519 U+0027 <> U+2019 ; ' -> right single quote
2520 U+0027 U+0027 <> U+201D ; '' -> right double quote
2521 U+0022 > U+201D ; " -> right double quote
2522
2523 U+0060 <> U+2018 ; ` -> left single quote
2524 U+0060 U+0060 <> U+201C ; `` -> left double quote
2525
2526 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2527 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2528
2529 ; additions supported in T1 encoding

```



```

2530 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2531 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2532 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

49 File persian-tex-ligs.lua

```

2533 local otf = fonts.handlers.otf
2534 local registerotffeature = otf.features.register
2535 local addotffeature = otf.addfeature
2536
2537 local persiantexlig = {
2538   {
2539     type = "substitution",
2540     order = {"persiantexlig"},
2541     prepend = true,
2542     data = {
2543       [0x0030] = 0x06F0,
2544       [0x0031] = 0x06F1,
2545       [0x0032] = 0x06F2,
2546       [0x0033] = 0x06F3,
2547       [0x0034] = 0x06F4,
2548       [0x0035] = 0x06F5,
2549       [0x0036] = 0x06F6,
2550       [0x0037] = 0x06F7,
2551       [0x0038] = 0x06F8,
2552       [0x0039] = 0x06F9,
2553       [0x002C] = 0x060C, -- comma > arabic comma
2554       [0x003F] = 0x061F, -- question mark -> arabic qm
2555       [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2556       [0x0027] = 0x2019, -- ' -> right single quote
2557       [0x0022] = 0x201D, -- " -> right double quote
2558       [0x0060] = 0x2018 -- ` -> left single quote
2559     }
2560   },
2561   {
2562     type = "ligature",
2563     order = {"persiantexlig"},
2564     prepend = true,
2565     data = {
2566       -- ligatures from Knuth's original CMR fonts
2567       [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2568       [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2569       [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2570       [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2571       [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclamation
2572       [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2573       -- additions supported in T1 encoding
2574       [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2575       [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLEMET
2576       [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLEMET
2577     }
2578   }
2579 }
2580

```



```

2581 local persiantexlignonum = {
2582   {
2583     type = "substitution",
2584     order = {"persiantexlignonum"},
2585     prepend = true,
2586     data = {
2587       [0x002C] = 0x060C, -- comma > arabic comma
2588       [0x003F] = 0x061F, -- question mark -> arabic qm
2589       [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2590       [0x0027] = 0x2019, -- ' -> right single quote
2591       [0x0022] = 0x201D, -- " -> right double quote
2592       [0x0060] = 0x2018 -- ` -> left single quote
2593     }
2594   },
2595   {
2596     type = "ligature",
2597     order = {"persiantexlignonum"},
2598     prepend = true,
2599     data = {
2600       -- ligatures from Knuth's original CMR fonts
2601       [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2602       [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2603       [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2604       [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2605       [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclam
2606       [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2607       -- additions supported in T1 encoding
2608       [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2609       [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLET
2610       [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLET
2611     }
2612   }
2613 }
2614
2615 addotffeature("persiantexlignonum", persiantexlignonum)
2616 addotffeature("persiantexlig", persiantexlig)
2617
2618 registerotffeature {name = "persiantexlig", description = "Persian TeX ligatures"}
2619 registerotffeature {name = "persiantexlignonum", description = "Persian TeX ligatures without"}
2620
2621 -- We implement persiantexlig and persiantexlignonum for HarfBuzz too
2622 local direct = node.direct
2623 local otfregister = fonts.constructors.features.otf.register
2624
2625 local getdisc = direct.getdisc
2626 local getnext = direct.getnext
2627 local is_char = direct.is_char
2628 local setchar = direct.setchar
2629
2630 local persiandigits = {
2631   [0x0030] = 0x06F0,
2632   [0x0031] = 0x06F1,
2633   [0x0032] = 0x06F2,
2634   [0x0033] = 0x06F3,

```



```

2635 [0x0034] = 0x06F4,
2636 [0x0035] = 0x06F5,
2637 [0x0036] = 0x06F6,
2638 [0x0037] = 0x06F7,
2639 [0x0038] = 0x06F8,
2640 [0x0039] = 0x06F9
2641 }
2642
2643 local persianpuncts = {
2644 [0x002C] = 0x060C, -- comma > arabic comma
2645 [0x003F] = 0x061F, -- question mark -> arabic qm
2646 [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2647 [0x0027] = 0x2019, -- ' -> right single quote
2648 [0x0022] = 0x201D, -- " -> right double quote
2649 [0x0060] = 0x2018 -- ` -> left single quote
2650 }
2651
2652 local persiantexlig = {
2653 [0x002D] = {[0x002D] = {char = 0x2013}}, -- -- -> en dash
2654 [0x2013] = {[0x002D] = {char = 0x2014}}, -- --- -> em dash
2655 [0x0027] = {[0x0027] = {char = 0x201D}}, -- '' -> right double quote
2656 [0x0060] = {[0x0060] = {char = 0x201C}}, -- `` -> left double quote
2657 [0x0021] = {[0x0060] = {char = 0x00A1}}, -- !` -> inverted exclam
2658 [0x003F] = {[0x0060] = {char = 0x00BF}}, -- ?` -> inverted question
2659 -- additions supported in T1 encoding
2660 [0x002C] = {[0x002C] = {char = 0x201E}}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2661 [0x003C] = {[0x003C] = {char = 0x00AB}}, -- << -> LEFT POINTING GUILLET
2662 [0x003E] = {[0x003E] = {char = 0x00BB}}, -- >> -> RIGHT POINTING GUILLET
2663 }
2664
2665 local function persiantexligprocessor(head, font)
2666 local n = head
2667 while n do
2668 local c, id = is_char(n, font)
2669 local persiannum = persiandigits[c]
2670 local persianpunct = persianpuncts[c]
2671 if persiannum then
2672 setchar(n, persiannum)
2673 elseif persianpunct then
2674 setchar(n, persianpunct)
2675 elseif id == disc_t then
2676 local pre, post, replace = getdisc(n)
2677 persiantexligprocessor(pre, font)
2678 persiantexligprocessor(post, font)
2679 persiantexligprocessor(replace, font)
2680 end
2681 n = getnext(n)
2682 end
2683 end
2684
2685 otfregister {
2686 name = 'persiantexlig',
2687 description = 'Persian TeX ligatures',
2688 default = false,

```



```

2689 manipulators = {
2690   plug = function(tfmdata, _, value)
2691     local characters = tfmdata.characters
2692     for codepoint, ligatures in next, persiantexlig do
2693       local char = characters[codepoint]
2694       if char then
2695         char.ligatures = ligatures
2696       end
2697     end
2698   end,
2699 },
2700 processors = {
2701   position=1,
2702   plug = persiantexligprocessor,
2703 },
2704 }
2705
2706 local function persiantexlignonumprocessor(head, font)
2707   local n = head
2708   while n do
2709     local c, id = is_char(n, font)
2710     local persianpunct = persianpuncts[c]
2711     if persianpunct then
2712       setchar(n, persianpunct)
2713     elseif id == disc_t then
2714       local pre, post, replace = getdisc(n)
2715       persiantexlignonumprocessor(pre, font)
2716       persiantexlignonumprocessor(post, font)
2717       persiantexlignonumprocessor(replace, font)
2718     end
2719     n = getnext(n)
2720   end
2721 end
2722
2723 otfregister {
2724   name = 'persiantexlignonum',
2725   description = 'Persian TeX ligatures without numbers',
2726   default = false,
2727   manipulators = {
2728     plug = function(tfmdata, _, value)
2729       local characters = tfmdata.characters
2730       for codepoint, ligatures in next, persiantexlig do
2731         local char = characters[codepoint]
2732         if char then
2733           char.ligatures = ligatures
2734         end
2735       end
2736     end,
2737   },
2738   processors = {
2739     position=1,
2740     plug = persiantexlignonumprocessor,
2741   },
2742 }

```



50 File rapport1-xetex-xepersian.def

```
2743 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport c
2744 \renewcommand*\thepart{\@tartibi\c@part}
2745 \renewcommand*\appendix{\par
2746   \setcounter{chapter}{0}%
2747   \setcounter{section}{0}%
2748   \gdef\@chapapp{\appendixname}%
2749   \gdef\thechapter{\@harfi\c@chapter}}
```

51 File rapport3-xetex-xepersian.def

```
2750 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport c
2751 \renewcommand*\thepart{\@tartibi\c@part}
2752 \renewcommand*\appendix{\par
2753   \setcounter{chapter}{0}%
2754   \setcounter{section}{0}%
2755   \gdef\@chapapp{\appendixname}%
2756   \gdef\thechapter{\@harfi\c@chapter}}
```

52 File refrep-xetex-xepersian.def

```
2757 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep c
2758 \renewcommand \thepart {\@tartibi\c@part}
2759 \renewcommand\appendix{\par
2760   \setcounter{chapter}{0}%
2761   \setcounter{section}{0}%
2762   \gdef\@chapapp{\appendixname}%
2763   \gdef\thechapter{\@harfi\c@chapter}
2764 }%end appendix
```

53 File report-xetex-xepersian.def

```
2765 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report c
2766 \renewcommand \thepart {\@tartibi\c@part}
2767 \renewcommand\appendix{\par
2768   \setcounter{chapter}{0}%
2769   \setcounter{section}{0}%
2770   \gdef\@chapapp{\appendixname}%
2771   \gdef\thechapter{\@harfi\c@chapter}
2772 }%end appendix
```

54 File scrartcl-xetex-xepersian.def

```
2773 \ProvidesFile{scrartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrart
2774 \renewcommand*{\thepart}{\@tartibi\c@part}
2775 \renewcommand*\appendix{%
2776   \Ifstr{\@currenvir}{appendix}{%
2777     \ClassWarning{\KOMAClassName}{%
2778       You are using
2779       `string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2780       You should note, that `string\appendix' is a mostly
2781       globally\MessageBreak
2782       working command not an enviroment with only local\MessageBreak
```



```

2783     effects. Therefore \string\end{appendix} will neither\MessageBreak
2784     switch back to normal section numbering nor finish\MessageBreak
2785     every other effect of \string\begin{appendix}.\MessageBreak
2786     Nevertheless, some effects may end with\MessageBreak
2787     \string\end{appendix} and the document may become\MessageBreak
2788     inconsistent.\MessageBreak
2789     Because of this, you should remove \string\end{appendix}\MessageBreak
2790     and replace \string\begin{appendix} by command\MessageBreak
2791     \string\appendix'
2792   }%
2793 }{}%
2794 \par
2795 \setcounter{section}{0}%
2796 \setcounter{subsection}{0}%
2797 \gdef\thesection{\@harfi\c@section}%
2798 }
2799 \IfLTXAtLeastTF{2020/10/01}{%
2800   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2801 }{}
2802 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2803 \renewcommand*{\@maybeautodot}[1]{%
2804   \ifx #1\@stop\let\@maybeautodot\relax
2805   \else
2806     \ifx #1\harfi \@autodottrue\fi
2807     \ifx #1\adadi \@autodottrue\fi
2808     \ifx #1\tartibi \@autodottrue\fi
2809     \ifx #1\Alph \@autodottrue\fi
2810     \ifx #1\alph \@autodottrue\fi
2811     \ifx #1\Roman \@autodottrue\fi
2812     \ifx #1\roman \@autodottrue\fi
2813     \ifx #1\@harfi \@autodottrue\fi
2814     \ifx #1\@adadi \@autodottrue\fi
2815     \ifx #1\@tartibi \@autodottrue\fi
2816     \ifx #1\@Alph \@autodottrue\fi
2817     \ifx #1\@alph \@autodottrue\fi
2818     \ifx #1\@Roman \@autodottrue\fi
2819     \ifx #1\@roman \@autodottrue\fi
2820     \ifx #1\romannumeral \@autodottrue\fi
2821   \fi
2822   \@maybeautodot
2823 }

```

55 File `scrbook-xetex-xepersian.def`

```

2824 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2825 \renewcommand*\frontmatter{%
2826   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2827   \@mainmatterfalse\pagenumbering{harfi}%
2828 }
2829 \renewcommand*\thepart{\@tartibi\c@part}
2830 \renewcommand*\appendix{%
2831   \Ifstr{\@currenvir}{appendix}{%
2832     \ClassWarning{\KOMAClassName}{%
2833       You are using

```



```

2834     \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2835     You should note, that \string\appendix' is a mostly
2836     globally\MessageBreak
2837     working command not an enviroment with only local\MessageBreak
2838     effects. Therefore \string\end{appendix}' will neither\MessageBreak
2839     switch back to normal section numbering nor finish\MessageBreak
2840     every other effect of \string\begin{appendix}'.\MessageBreak
2841     Nevertheless, some effects may end with\MessageBreak
2842     \string\end{appendix}' and the document may become\MessageBreak
2843     inconsistent.\MessageBreak
2844     Because of this, you should remove \string\end{appendix}'.\MessageBreak
2845     and replace \string\begin{appendix}' by command\MessageBreak
2846     \string\appendix'%
2847     }%
2848 }{}%
2849 \par
2850 \setcounter{chapter}{0}%
2851 \setcounter{section}{0}%
2852 \gdef\@chapapp{\appendixname}%
2853 \gdef\thechapter{\@harfi\c@chapter}%
2854 }
2855 \IfLTXAtLeastTF{2020/10/01}{%
2856   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2857 }{}
2858 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2859 \renewcommand*{\@maybeautodot}[1]{%
2860   \ifx #1\@stop\let\@maybeautodot\relax
2861   \else
2862     \ifx #1\harfi \@autodottrue\fi
2863     \ifx #1\adadi \@autodottrue\fi
2864     \ifx #1\tartibi \@autodottrue\fi
2865     \ifx #1\Alph \@autodottrue\fi
2866     \ifx #1\alph \@autodottrue\fi
2867     \ifx #1\Roman \@autodottrue\fi
2868     \ifx #1\roman \@autodottrue\fi
2869     \ifx #1\@harfi \@autodottrue\fi
2870     \ifx #1\@adadi \@autodottrue\fi
2871     \ifx #1\@tartibi \@autodottrue\fi
2872     \ifx #1\@Alph \@autodottrue\fi
2873     \ifx #1\@alph \@autodottrue\fi
2874     \ifx #1\@Roman \@autodottrue\fi
2875     \ifx #1\@roman \@autodottrue\fi
2876     \ifx #1\romannumeral \@autodottrue\fi
2877   \fi
2878   \@maybeautodot
2879 }

```

56 File screprt-xetex-xepersian.def

```

2880 \ProvidesFile{screprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for screprt]
2881 \renewcommand*{\thepart}{\@tartibi\c@part}
2882 \renewcommand*\appendix{%
2883   \Ifstr{\@currenvir}{appendix}{%
2884     \ClassWarning{\KOMAClassName}{%

```



```

2885     You are using
2886     `\

```

57 File soul-xetex-xepersian.def

```

2932 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2933 \let\SOUL@tt@latin\SOUL@tt
2934 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2935 \def\SOUL@tt{%

```



```

2936 \if@nonlatin
2937   \SOUL@tt@nonlatin
2938 \else
2939   \SOUL@tt@latin
2940 \fi
2941 }
2942 \bidi@appto\resetlatinfont{%
2943   \setbox\z@\hbox{\SOUL@tt-}%
2944   \SOUL@ttwidth\wd\z@
2945 }
2946 \bidi@appto\setpersianfont{%
2947   \setbox\z@\hbox{\SOUL@tt-}%
2948   \SOUL@ttwidth\wd\z@
2949 }

```

58 File tkz-linknodes-xetex-xepersian.def

```

2950 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2951 \renewcommand*{\@SetTab}{%
2952   \let\@alph\@latinalph%
2953   \ifnum \value{C@NumTab}>25\relax%
2954     \setcounter{C@NumTab}{1}%
2955   \else%
2956     \stepcounter{C@NumTab}%
2957   \fi%
2958   \setcounter{C@NumGroup}{0}%
2959 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2960 \setboolean{B@FirstLink}{true}
2961 \setboolean{B@NewGroup}{false}
2962 \setcounter{C@NumGroup}{0}
2963 \setcounter{C@CurrentGroup}{0}
2964 \setcounter{NumC@Node}{0}
2965 \setcounter{NumC@Stop}{0}
2966 \setcounter{C@NextNode}{0}
2967 \setcounter{C@CurrentStop}{0}
2968 \setcounter{C@CurrentNode}{0}
2969 }%

```

59 File tocloft-xetex-xepersian.def

```

2970 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2971 \IfClassLoadedT{memoir}{\endinput}
2972 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2973 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2974 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2975 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2976 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2977 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2978 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2979 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2980 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2981 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```



60 File varioref-xetex-xepersian.def

```
2982 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]
2983 \def\reftextfaceafter{%
2984   \if@RTL
2985
2986 \reftextvario{ }{ }%
2987   \else
2988     on the \reftextvario{facing}{next} page%
2989   \fi
2990 }
2991 \def\reftextfacebefore{%
2992   \if@RTL
2993
2994 \reftextvario{ }{ }%
2995   \else
2996     on the \reftextvario{facing}{preceding} page%
2997   \fi
2998 }
2999 \def\reftextafter{%
3000   \if@RTL
3001
3002 \reftextvario{ }{ }%
3003   \else
3004     on the \reftextvario{following}{next} page%
3005   \fi
3006 }
3007 \def\reftextbefore{%
3008   \if@RTL
3009
3010 \reftextvario{ }{ }%
3011   \else
3012     on the \reftextvario{preceding}{previous} page%
3013   \fi
3014 }
3015 \def\reftextcurrent{%
3016   \if@RTL
3017
3018 \reftextvario{ }{ }%
3019   \else
3020     on \reftextvario{this}{the current} page%
3021   \fi
3022 }
3023 \def\reftextfaraway#1{%
3024   \if@RTL
3025     %
3026 ~\pageref{#1}%
3027   \else
3028     on page~\pageref{#1}%
3029   \fi
3030 }
3031 \def\reftextpagerange#1#2{%
3032   \if@RTL
3033     %
```



```

3034 ~\pageref{#1}--\pageref{#2}%
3035 \else
3036   on pages~\pageref{#1}--\pageref{#2}%
3037 \fi
3038 }
3039 \def\reftextlabelrange#1#2{%
3040 \if@RTL
3041   \ref{#1} %ref{#2}\~
3042 \else
3043   \ref{#1} to~\ref{#2}%
3044 \fi
3045 }

```

61 File xepersian.sty

```

3046 \NeedsTeXFormat{LaTeX2e}
3047 \def\xepersian@version{25.09.08}
3048 \def\xepersiandate{2025/09/08}
3049 \def\xepersian@releasename{Iran}
3050 \def\xepersian@persian@@releasename{ }
3051 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
3052 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersian@releasename)]
3053 Persian typesetting in XeLaTeX
3054 \newif\if@xepersian@banner
3055 \newif\if@xepersian@computeautoilg
3056 \DeclareUnknownKeyHandler{%
3057   \PassOptionsToPackage{\CurrentOption}{bidi}%
3058 }
3059 \ExplSyntaxOn
3060 \msg_new:nnn {xepersian} {cannot-use-engine}
3061 {
3062   Oops!~can~not~use~\c_sys_engine_str.\\\
3063   The~xepersian~package~requires~XeTeX.
3064 }
3065 \sys_if_engine_xetex:F
3066 {
3067   \msg_fatal:nn {xepersian} {cannot-use-engine}
3068 }
3069
3070 \keys_define:mn { xepersian }
3071 {
3072   banner .choice: ,
3073   banner / on .code:n =
3074     \@xepersian@bannertrue
3075     \PassOptionsToPackage{banner=on}{bidi} ,
3076   banner / off .code:n =
3077     \@xepersian@bannerfalse
3078     \PassOptionsToPackage{banner=off}{bidi} ,
3079   banner .default:n = on
3080 }
3081 \keys_define:mn { xepersian }
3082 {
3083   mathdigits .choice: ,
3084   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,

```



```

3085 mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
3086 mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
3087 }
3088 \keys_define:nm { xepersian }
3089 {
3090   inlinemathdigits .choice: ,
3091   inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
3092   inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
3093   inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
3094 }
3095 \keys_define:nm { xepersian }
3096 {
3097   displaymathdigits .choice: ,
3098   displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
3099   displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
3100   displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
3101 }
3102 \keys_define:nm { xepersian }
3103 {
3104   Kashida .choice: ,
3105   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xetex-xepersian.def}} ,
3106   Kashida / off .code:n = \relax ,
3107   Kashida .default:n = on
3108 }
3109 \keys_define:nm { xepersian }
3110 {
3111   localize .choice: ,
3112   localize / on .code:n = \AtEndOfPackage{\input{localize-xetex-xepersian.def}} ,
3113   localize / off .code:n = \relax ,
3114   localize .default:n = on
3115 }
3116 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
3117 {
3118   \AtEndOfPackage{%
3119     \ifwritexviii
3120     \@ifclassloaded{memoir}{%
3121       \PackageError{xepersian}{%
3122         This-feature-does-not-yet-work-with-the-memoir-class}{%
3123       }{%
3124         \renewcommand\printindex{\newpage%
3125           \immediate\closeout\@indexfile
3126           \immediate\write18{%
3127             xindy~-L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
3128             \@input@{\jobname.ind}}%
3129         }
3130     \else
3131       \PackageError{xepersian}{%
3132         "shell-escape"~(or~"write18")~is~not~enabled.~You~need~to~run~TeX~with~-shell-escape
3133       }
3134     \fi
3135 }
3136 \keys_define:nm { xepersian }
3137 {
3138   quickindex-variant .choice: ,

```




```

3139 quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
3140 quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
3141 quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
3142 }
3143 \keys_define:nn { xepersian }
3144 {
3145   abjad-variant .choice: ,
3146   abjad-variant / one .code:n =
3147     \def\PersianAlphs{%
3148       \let\@alph\@abjad
3149       \let\@Alph\@abjad
3150     } ,
3151   abjad-variant / two .code:n =
3152     \def\PersianAlphs{%
3153       \let\@alph\@Abjad
3154       \let\@Alph\@Abjad
3155     }
3156 }
3157 \keys_define:nn { xepersian }
3158 {
3159   defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
3160 }
3161 \keys_define:nn { xepersian }
3162 {
3163   mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
3164 }
3165 \keys_define:nn { xepersian }
3166 {
3167   fontsizescale .code:n = \def\xepersian@@@fontsize@scale{#1}
3168 }
3169 \keys_define:nn { xepersian }
3170 {
3171   fontsize .code:n = \AtEndOfPackage{\xepersian@@@fontsize@branch{#1}}
3172 }
3173 \keys_define:nn { xepersian }
3174 {
3175   latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
3176 }
3177 \keys_define:nn { xepersian }
3178 {
3179   baselineskipsscale .code:n = \def\xepersian@@@baselineskip@scale{#1}
3180 }
3181 \keys_define:nn { xepersian }
3182 {
3183   latinbaselineskipsscale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3184 }
3185 \keys_define:nn { xepersian }
3186 {
3187   computeautoilg .choice: ,
3188   computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
3189   computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
3190   computeautoilg .default:n = on
3191 }
3192 \keys_define:nn { xepersian }

```



```

3193 {
3194   debugtextdigitfont .choice: ,
3195   debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3196     \bidi@AtEndPreamble{%
3197       \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
3198         \addfontfeature{Color=C71585}
3199       }{}{}
3200     }
3201   } ,
3202   debugtextdigitfont / off .code:n = \relax ,
3203   debugtextdigitfont .default:n = on
3204 }
3205 \keys_set:nn { xepersian }
3206 {
3207   banner = on ,
3208   abjad-variant = two ,
3209   fontsizescale = \@ne ,
3210   latinfontsizescale = \@ne ,
3211   mathfontsizescale = \@ne ,
3212   baselineskipscale = \@ne ,
3213   latinbaselineskipscale = \@ne
3214 }
3215 \ExplSyntaxOff
3216 \ProcessKeyOptions
3217 \edef\xepersian@info{*****^^J%
3218 * ^^J%
3219 * xepersian package (Persian for LaTeX format in XeTeX and LuaTeX engines)^^J%
3220 * ^^J%
3221 * Description: A convenient interface for typesetting Persian and^^J%
3222 * English documents with LaTeX format in XeTeX and LuaTeX engines.^^J%
3223 * ^^J%
3224 * Copyright (c) 2008--2025 Vafa Khalighi^^J%
3225 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
3226 * ^^J%
3227 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
3228 * ^^J%
3229 * License: LaTeX Project Public License, version^^J%
3230 * 1.3c or higher (your choice)^^J%
3231 * ^^J%
3232 * Location on CTAN: /macros/unicodetex/latex/xepersian^^J%
3233 * ^^J%
3234 * Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
3235 * ^^J%
3236 * Primary author of xepersian package: Vafa Khalighi.^^J%
3237 * ^^J%
3238 * *****}
3239 \edef\xepersian@everyjob{\the\everyjob}
3240 \if\xepersian@banner
3241   \typeout{\@xepersian@info}
3242   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3243 \fi
3244 \RequirePackage{fontspec}
3245 \RequirePackage{unicode-persiancal}
3246 \RequirePackage{unicode-persianmath}

```



```

3247 \RequirePackage[%
3248   documentdirection=righttoleft,%
3249   tabledirection=righttoleft,%
3250   script=nonlatin,%
3251   footnotedirection=righttoleft,%
3252   footnoterule=automatic%
3253 ]{bidi}
3254 \newcommand*{\xepersianversion}
3255   {\ensuremath\xepersian@version}
3256 \def\prq{<}
3257 \def\plq{>}
3258 \def\xepersian@cmds@temp#1{%
3259   \begingroup\expandafter\expandafter\expandafter\endgroup
3260   \expandafter\ifx\csname xepersian@#1\endcsname\relax
3261     \begingroup
3262       \escapechar=-1 %
3263       \edef\x{\expandafter\meaning\csname#1\endcsname}%
3264       \def\y{#1}%
3265       \def\z##1->{}%
3266       \edef\y{\expandafter\z\meaning\y}%
3267       \expandafter\endgroup
3268       \ifx\x\y
3269         \expandafter\def\csname xepersian@#1\expandafter\endcsname
3270           \expandafter{%
3271             \csname#1\endcsname
3272           }%
3273       \fi
3274     \fi
3275 }%
3276 \xepersian@cmds@temp{shellescape}
3277 \newif\ifwritexviii
3278 \ifnum\xepersian@shellescape=1\relax
3279   \writexviii>true
3280 \else
3281   \writexviii>false
3282 \fi
3283 \newfontscript{Persian}{arab}
3284 \newfontlanguage{Persian}{FAR}
3285 \ExplSyntaxOn
3286
3287 \keys_define:nm {fontspec-opentype}
3288 {
3289   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3290   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3291   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3292 }
3293
3294 \keys_define:nm {fontspec-aat}
3295 {
3296   Ligatures / PersianTeX .code:n =
3297   {
3298     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3299   }
3300 }

```



```

3301
3302 \keys_define:nn {fontspec-opentype}
3303 {
3304   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3305   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3306   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3307 }
3308
3309 \keys_define:nn {fontspec-aat}
3310 {
3311   Ligatures / PersianTeXNoNumbers .code:n =
3312   {
3313     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3314   }
3315 }
3316
3317 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
3318 {
3319   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3320   \ignorespaces
3321 }
3322 \cs_new:Nn \__xepersian_main_settextfont:nn
3323 {
3324   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3325   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3326   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3327   {
3328     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3329     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3330     \exp_not:N \selectfont
3331   }
3332 }
3333 \str_if_eq:eeT {\familydefault} {\rmdefault}
3334 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3335 \__xepersian_settextfont_hook:nn {#1} {#2}
3336 \normalfont
3337 }
3338
3339 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3340
3341 \DeclareDocumentCommand \settextdigitfont { 0{} m 0{} }
3342 {
3343   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3344   \ignorespaces
3345 }
3346 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3347 {
3348   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3349   \use:x
3350   {
3351     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3352     {
3353       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3354       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3355     \exp_not:N \selectfont
3356   }
3357 }
3358 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3359 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3360 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3361 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3362 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3363 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3364 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3365 \if@bidi@csundef{xepersian@dualjoiner}{%
3366   \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3367   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3368   \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3369   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3370   \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3371   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3372   \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3373   \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3374 }
3375 }
3376
3377 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3378 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3379
3380 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3381
3382 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3383 {
3384   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3385   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3386   \ignorespaces
3387 }
3388
3389
3390 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3391 {
3392   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3393   \ignorespaces
3394 }
3395 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3396 {
3397   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3398   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3399     {
3400       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3401       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3402       \exp_not:N \selectfont
3403     }
3404   }
3405   \str_if_eq:eeT {\familydefault} {\rmdefault}
3406     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3407   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3408   \normalfont

```



```

3409 }
3410
3411 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3412
3413 \tl_set_eq:NN \setlatinsansfont \setsansfont
3414 \tl_set_eq:NN \setlatinmonofont \setmonofont
3415
3416 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3417 {
3418   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3419   \NewDocumentCommand
3420 }
3421 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3422 {
3423   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3424   \RenewDocumentCommand
3425 }
3426 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3427 {
3428   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
3429   \use:x
3430   {
3431     \exp_not:N #4 \exp_not:N #1 {}
3432     {
3433       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3434       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3435       \exp_not:N \selectfont
3436     }
3437   }
3438 }
3439
3440 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3441 {
3442   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3443   \NewDocumentCommand
3444 }
3445 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3446 {
3447   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3448   \RenewDocumentCommand
3449 }
3450 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3451 {
3452   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3453   \use:x
3454   {
3455     \exp_not:N #4 \exp_not:N #1 {}
3456     {
3457       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3458       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3459       \exp_not:N \selectfont
3460     }
3461   }
3462 }

```



```

3463
3464 \newcommand\persiansfdefault{}
3465 \newcommand\persianttdefault{}
3466 \newcommand\iranicdefault{}
3467 \newcommand\navardefault{}
3468 \newcommand\pookdefault{}
3469 \newcommand\sayehdefault{}
3470 \DeclareRobustCommand\persiansffamily
3471     {\not@math@alphabet\persiansffamily\mathpersiansf
3472     \fontfamily\persiansfdefault\selectfont}
3473 \DeclareRobustCommand\persianttfamily
3474     {\not@math@alphabet\persianttfamily\mathpersiantt
3475     \fontfamily\persianttdefault\selectfont}
3476 \DeclareRobustCommand\iranicfamily
3477     {\not@math@alphabet\iranicfamily\mathiranic
3478     \fontfamily\iranicdefault\selectfont}
3479 \DeclareRobustCommand\navarfamil
3480     {\not@math@alphabet\navarfamil\mathnavar
3481     \fontfamily\navardefault\selectfont}
3482 \DeclareRobustCommand\pookfamily
3483     {\not@math@alphabet\pookfamily\mathpook
3484     \fontfamily\pookdefault\selectfont}
3485 \DeclareRobustCommand\sayehfamily
3486     {\not@math@alphabet\sayehfamily\mathsayeh
3487     \fontfamily\sayehdefault\selectfont}
3488 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3489 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3490 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3491 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3492 \DeclareTextFontCommand{\textpook}{\pookfamily}
3493 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3494
3495 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3496 {
3497     \_xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3498     \ignorespaces
3499 }
3500 \cs_new:Nn \_xepersian_main_setpersiansansfont:nn
3501 {
3502     \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},I
3503     \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3504     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3505     {
3506         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3507         \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3508         \exp_not:N \selectfont
3509     }
3510 }
3511 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3512     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3513 \_xepersian_setpersiansansfont_hook:nn {#1} {#2}
3514 \normalfont
3515 }
3516

```



```

3517 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3518
3519 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3520 {
3521   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3522   \ignorespaces
3523 }
3524 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3525 {
3526   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},L
3527   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3528   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3529     {
3530       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3531       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3532       \exp_not:N \selectfont
3533     }
3534   }
3535   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3536     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3537   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3538   \normalfont
3539 }
3540
3541 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3542
3543 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3544 {
3545   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3546   \ignorespaces
3547 }
3548 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3549 {
3550   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligat
3551   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3552   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3553     {
3554       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3555       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3556       \exp_not:N \selectfont
3557     }
3558   }
3559   \str_if_eq:eeT {\familydefault} {\navardefault}
3560     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3561   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3562   \normalfont
3563 }
3564
3565 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3566
3567 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3568 {
3569   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3570   \ignorespaces

```




```

3571 }
3572 \cs_new:Nn \__xepersian_main_setpookfont:nn
3573 {
3574   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3575   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3576   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3577   {
3578     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3579     \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3580     \exp_not:N \selectfont
3581   }
3582 }
3583 \str_if_eq:eeT {\familydefault} {\pookdefault}
3584   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3585   \__xepersian_setpookfont_hook:nn {#1} {#2}
3586   \normalfont
3587 }
3588
3589 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3590
3591 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3592 {
3593   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3594   \ignorespaces
3595 }
3596 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3597 {
3598   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3599   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3600   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3601   {
3602     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3603     \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3604     \exp_not:N \selectfont
3605   }
3606 }
3607 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3608   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3609   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3610   \normalfont
3611 }
3612
3613 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3614
3615 \DeclareDocumentCommand \setiranicfont { 0{} m 0{} }
3616 {
3617   \__xepersian_main_setiranicfont:nn {#1,#3} {#2}
3618   \ignorespaces
3619 }
3620 \cs_new:Nn \__xepersian_main_setiranicfont:nn
3621 {
3622   \fontspec_set_family:Nnn \l__fontspec_iranifamily_family_tl {RawFeature={script=arab},Ligatu
3623   \tl_set_eq:NN \iranifdefault \l__fontspec_iranifamily_family_tl
3624   \use:x { \exp_not:n { \DeclareRobustCommand \iranifamily }

```



```

3625 {
3626   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3627   \exp_not:N \fontfamily { \l__fontspec_iranifamily_family_tl }
3628   \exp_not:N \selectfont
3629 }
3630 }
3631 \str_if_eq:eeT {\familydefault} {\iraniddefault}
3632 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3633 \__xepersian_setiranifont_hook:nn {#1} {#2}
3634 \normalfont
3635 }
3636
3637 \cs_set_eq:NN \__xepersian_setiranifont_hook:nn \use_none:nn
3638
3639 \ExplSyntaxOff
3640 \def\resetlatinfont{%
3641 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3642 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3643 \def\xepersian@@fontsize@scale{%
3644   \strip@pt\dimexpr 1pt * \dimexpr
3645   \xepersian@@latin@fontsize@scale pt\relax
3646   / \dimexpr \xepersian@@fontsize@scale pt\relax\relax
3647 }%
3648 \def\xepersian@@baselineskip@scale{%
3649   \strip@pt\dimexpr 1pt * \dimexpr
3650   \xepersian@@latin@baselineskip@scale pt\relax
3651   / \dimexpr \xepersian@@baselineskip@scale pt\relax\relax
3652 }%
3653 \@nonlatinfalse%
3654 \let\normalfont\latinfont%
3655 \let\reset@font\normalfont%
3656 \latinfont%
3657 \fontsize\fontsize\font@baselineskip%
3658 \selectfont%
3659 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3660 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3661 }
3662 \def\setpersianfont{%
3663 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3664 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3665 \let\xepersian@@fontsize@scale\@ne%
3666 \let\xepersian@@baselineskip@scale\@ne%
3667 \@nonlatintrue%
3668 \let\normalfont\persianfont%
3669 \let\reset@font\normalfont%
3670 \persianfont%
3671 \fontsize\fontsize\font@baselineskip%
3672 \selectfont%
3673 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3674 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
3675 }
3676 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3677 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3678 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}

```



```

3679 \def\endlatin{\endLTR}
3680 \newenvironment{latin*}{\latin
3681   \everypar{%
3682     {\setbox\z@\lastbox
3683       \ifvoid\z@
3684         \kern-\parindent
3685       \fi}%
3686   }%
3687 }{\endlatin\@endpetrue}
3688 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3689 \def\endpersian{\endRTL}
3690 \newenvironment{persian*}{\persian
3691   \everypar{%
3692     {\setbox\z@\lastbox
3693       \ifvoid\z@
3694         \kern-\parindent
3695       \fi}%
3696   }%
3697 }{\endpersian\@endpetrue}
3698 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3699 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3700 \let\originaltoday=\today
3701 \def\latintoday{\lr{\originaltoday}}
3702 \def\today{\rl{\persiantoday}}
3703 \def \@LTRmarginparreset {%
3704   \reset@font
3705   \resetlatinfont
3706   \normalsize
3707   \@minipagetrue
3708   \everypar{\@minipagefalse\everypar{} \beginL}%
3709 }
3710 \DeclareRobustCommand\Latincite{%
3711   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex []}]
3712 \def\@Latincitex[#1]#2{\leavevmode
3713   \let\@citea\@empty
3714   \@cite{\lr{\@for\@citeb:=#2\do
3715     {\@citea\def\@citea{,\penalty\@m\ }%
3716     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3717     \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3718     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3719     \G@refundefinedtrue
3720     \@latex@warning
3721     {Citation `@\@citeb' on page \thepage \space undefined}}%
3722     {\@citeofmt{\csname b@\@citeb\endcsname}}}}{#1}}
3723
3724 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3725
3726 \newcount\xepersian@tcl
3727 \newdimen\xepersian@ilg
3728 \newdimen\xepersian@strutilg
3729 \chardef\f@ur=4
3730 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3731   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3732   \loop

```



```

3733 \iffontchar\font\xepersian@tcl
3734 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3735 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3736 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3737 \fi
3738 \else
3739 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3740 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3741 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3742 \fi
3743 \fi
3744 \fi
3745 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3746 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3747 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3748 \fi
3749 \else
3750 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3751 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3752 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3753 \fi
3754 \fi
3755 \fi
3756 \fi
3757 \advance\xepersian@tcl\@ne
3758 \ifnum\xepersian@tcl<1792\repeat
3759 \advance\xepersian@strutilg\xepersian@ilg
3760 % \ifdim\xepersian@strutilg>\baselineskip
3761 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3762 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3763 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3764 % \selectfont
3765 % \fi
3766 }
3767
3768 \newif\if@@textdigitfont@on
3769
3770 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3771 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3772
3773 \TextDigitFontOn
3774
3775 \newcommand*\xepersian@setlength[4]{%
3776 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3777 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3778 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3779 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3780 \else
3781 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3782 \fi
3783 \else
3784 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3785 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3786 \else

```



```

3787         \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3788     \fi
3789 \fi
3790 \else
3791     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3792     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3793     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3794     \else
3795     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3796     \fi
3797 \else
3798     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3799     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3800     \else
3801     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3802     \fi
3803 \fi
3804 \fi
3805 }
3806
3807 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3808     \@defaultunits\@tempdima#2pt\relax\@nnil
3809     \setlength{\@tempdimc}{\@tempdima}%
3810     \addtolength{\@tempdimc}{-10\p@}%
3811     \edef\@ptsize{\strip@pt\@tempdimc}%
3812     \@defaultunits\@tempdimb#1pt\relax\@nnil
3813     \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3814     \edef\@tempb{\the\@tempdimc}%
3815     \setlength{\@tempdimc}{\@tempdima}%
3816     \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3817     \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3818     \xepersian@setlength{\abovedisplayskip}%
3819         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3820     \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3821     \xepersian@setlength{\belowdisplayshortskip}%
3822         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3823     \setlength{\belowdisplayskip}{\abovedisplayskip}%
3824     \edef\normalsize{%
3825         \noexpand\setfontsize\noexpand\normalsize
3826         {\the\@tempdima}{\the\@tempdimb}%
3827         \abovedisplayskip \the\abovedisplayskip
3828         \abovedisplayshortskip \the\abovedisplayshortskip
3829         \belowdisplayskip \the\belowdisplayskip
3830         \belowdisplayshortskip \the\belowdisplayshortskip
3831         \let\noexpand\@listi\noexpand\@listI
3832     }%
3833     \setlength{\@tempdima}{0.9125\@tempdimc}%
3834     \setlength{\@tempdimb}{\@tempb\@tempdima}%
3835     \xepersian@setlength{\abovedisplayskip}%
3836         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3837     \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3838     \xepersian@setlength{\belowdisplayshortskip}%
3839         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3840     \setlength{\belowdisplayskip}{\abovedisplayskip}%

```



```

3841 \edef\small{%
3842   \noexpand\setfontsize\noexpand\small
3843   {\the\@tempdima}{\the\@tempdimb}%
3844   \abovedisplayskip \the\abovedisplayskip
3845   \abovedisplaysshortskip \the\abovedisplaysshortskip
3846   \belowdisplayskip \the\belowdisplayskip
3847   \belowdisplaysshortskip \the\belowdisplaysshortskip
3848   \let\noexpand\@listi\noexpand\@listi@small
3849 }%
3850 \setlength{\@tempdima}{.83334\@tempdimc}%
3851 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3852 \xepersian@setlength{\abovedisplayskip}%
3853   {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3854 \xepersian@setlength{\abovedisplaysshortskip}{\z@}{.25\@tempdimb}{\z@}%
3855 \xepersian@setlength{\belowdisplaysshortskip}%
3856   {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3857 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3858 \edef\footnotesize{%
3859   \noexpand\setfontsize\noexpand\footnotesize
3860   {\the\@tempdima}{\the\@tempdimb}%
3861   \abovedisplayskip \the\abovedisplayskip
3862   \abovedisplaysshortskip \the\abovedisplaysshortskip
3863   \belowdisplayskip \the\belowdisplayskip
3864   \belowdisplaysshortskip \the\belowdisplaysshortskip
3865   \let\noexpand\@listi\noexpand\@listi@footnotesize
3866 }%
3867 \setlength{\@tempdima}{.66667\@tempdimc}%
3868 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3869 \edef\scriptsize{%
3870   \noexpand\setfontsize\noexpand\scriptsize
3871   {\the\@tempdima}{\the\@tempdimb}%
3872 }%
3873 \setlength{\@tempdima}{.5\@tempdimc}%
3874 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3875 \edef\tiny{%
3876   \noexpand\setfontsize\noexpand\tiny
3877   {\the\@tempdima}{\the\@tempdimb}%
3878 }%
3879 \setlength{\@tempdima}{1.2\@tempdimc}%
3880 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3881 \edef\large{%
3882   \noexpand\setfontsize\noexpand\large
3883   {\the\@tempdima}{\the\@tempdimb}%
3884 }%
3885 \setlength{\@tempdima}{1.44\@tempdimc}%
3886 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3887 \edef\Large{%
3888   \noexpand\setfontsize\noexpand\Large
3889   {\the\@tempdima}{\the\@tempdimb}%
3890 }%
3891 \setlength{\@tempdima}{1.728\@tempdimc}%
3892 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3893 \edef\LARGE{%
3894   \noexpand\setfontsize\noexpand\LARGE

```




```

3949 \csname @listi\endcsname
3950 \endgroup
3951 \edef\@listi@footnotesize{\leftmargin\leftmargini
3952 \topsep \the\topsep
3953 \parsep \the\parsep
3954 \itemsep \parsep
3955 \if@tempswa\noexpand\@list@extra\fi
3956 }%
3957 \xepersian@setlength{\parsep}%
3958     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3959 \xepersian@setlength{\topsep}%
3960     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3961 \@tempwafalse
3962 \begingroup
3963 \def\@list@extra{\aftergroup\@tempwattrue}%
3964 \csname @listii\endcsname
3965 \endgroup
3966 \edef\@listii{\leftmargin\leftmarginii
3967 \labelwidth=\dimexpr \leftmargin-\labelsep
3968 \topsep \the\topsep
3969 \parsep \the\parsep
3970 \itemsep \parsep
3971 \if@tempswa\noexpand\@list@extra\fi
3972 }%
3973 \xepersian@setlength{\topsep}%
3974     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3975 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3976 \@tempwafalse
3977 \begingroup
3978 \def\@list@extra{\aftergroup\@tempwattrue}%
3979 \csname @listiii\endcsname
3980 \endgroup
3981 \edef\@listiii{\leftmargin\leftmarginiii
3982 \labelwidth=\dimexpr \leftmargin-\labelsep
3983 \topsep \the\topsep
3984 \parsep \z@
3985 \partopsep \the\partopsep
3986 \itemsep \topsep
3987 \if@tempswa\noexpand\@list@extra\fi
3988 }%
3989 \@tempwafalse
3990 \begingroup
3991 \def\@list@extra{\aftergroup\@tempwattrue}%
3992 \csname @listiv\endcsname
3993 \endgroup
3994 \edef\@listiv{\leftmargin\leftmarginiv
3995 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3996 \if@tempswa\noexpand\@list@extra\fi
3997 }%
3998 \@tempwafalse
3999 \begingroup
4000 \def\@list@extra{\aftergroup\@tempwattrue}%
4001 \csname @listv\endcsname
4002 \endgroup

```




```

4003 \edef\@listv{\leftmargin\leftmarginv
4004 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4005 \if@tempswa\noexpand\@list@extra\fi
4006 }%
4007 \@tempswafalse
4008 \beginngroup
4009 \def\@list@extra{\aftergroup\@tempswatrue}%
4010 \csname @listvi\endcsname
4011 \endgroup
4012 \edef\@listvi{\leftmargin\leftmarginvi
4013 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4014 \if@tempswa\noexpand\@list@extra\fi
4015 }%
4016 \@listi
4017 \setlength{\@tempdimb}{\f@baselineskip}%
4018 \setlength{\footnotesep}{.555\@tempdimb}%
4019 \xepersian@setlength{\skip\footins}%
4020 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
4021 \xepersian@setlength{\floatsep}%
4022 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
4023 \xepersian@setlength{\textfloatsep}%
4024 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
4025 \setlength{\intextsep}{\floatsep}%
4026 \setlength{\dblfloatsep}{\floatsep}%
4027 \setlength{\dbltextfloatsep}{\textfloatsep}%
4028 \setlength{\@fptop}{\z@ \@plus 1fil}%
4029 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
4030 \setlength{\@fpbot}{\@fptop}%
4031 \setlength{\@dblfpsep}{\@fpsep}%
4032 \setlength{\@dblfpbot}{\@fpbot}%
4033 \setlength{\@dblfpbot}{\@fpbot}%
4034 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
4035 }
4036
4037 \renewcommand*{\@bidi@logo@}{%
4038 \@bidi@logo@hb@xt@columnwidth
4039 {\hss\bfseries
4040 {\today} {\TypesetTime}
4041 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
4042
4043 \renewcommand*{\@bidi@pdfcreator}{%
4044 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersi
4045 }
4046
4047 \newcommand*{\@xepersian@pdfcustomproperties}{%
4048 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
4049 Released September 8, 2025.
4050 }
4051
4052 \newcommand\twocolumnstableofcontents{%
4053 \if@bidi@csundef{multi@column@out}{%
4054 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
4055 \begin{multicols}{2}[\section*{\contentsname}]%
4056 \small

```




```

4111 #3%
4112 \else\ifnum\number#1<100000000 %
4113 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
4114 \else%
4115 \xepersian@numberoutofrange{#1}{#4}%
4116 \fi\fi%
4117 }
4118 \def\xepersian@adadi#1#2{%
4119 \expandafter\xepersian@@adadi%
4120 \ifcase%
4121 \ifnum#1<10 1%
4122 \else\ifnum#1<100 2%
4123 \else\ifnum#1<\@m 3%
4124 \else\ifnum#1<\@M 4%
4125 \else\ifnum#1<100000 5%
4126 \else\ifnum#1<1000000 6%
4127 \else\ifnum#1<10000000 7%
4128 \else\ifnum#1<100000000 8%
4129 \else9%
4130 \fi\fi\fi\fi\fi\fi\fi\fi %
4131 \or0000000#1% case 1: Add 8 leading zeros
4132 \or0000000#1% case 2: Add 7 leading zeros
4133 \or000000#1% case 3: Add 6 leading zeros
4134 \or00000#1% case 4: Add 5 leading zeros
4135 \or0000#1% case 5: Add 4 leading zeros
4136 \or000#1% case 6: Add 3 leading zeros
4137 \or00#1% case 7: Add 2 leading zeros
4138 \or0#1% case 8: Add 1 leading zero
4139 \or#1% case 9: Add no leading zeros
4140 \or%
4141 \@nil#2%
4142 \fi%
4143 }
4144 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
4145 \ifnum#1#2#3>\z@
4146 \xepersian@milyoongan#1#2#3%
4147 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4148 \fi%
4149 \ifnum#4#5#6>\z@%
4150 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4151 \ifnum#4#5#6>\@ne\fi%
4152 %
4153 \ifnum#7>\z@\ \fi%
4154 \fi%
4155 \xepersian@sadgan#7{#4#5#6}1#9%
4156 }
4157 \def\xepersian@milyoongan#1#2#3{%
4158 \ifnum#1#2#3=\@ne%
4159 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4160 %
4161 %
4162 \else%
4163 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4164 %

```



```

4165 %
4166 \fi%
4167 }
4168 \def\xepersian@sadgan#1#2#3#4#5#6{%
4169 \ifnum#1>\z@%
4170 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4171 %
4172 \ifnum#2#3>\z@ \fi%
4173 \fi%
4174 \ifnum#2#3<20%
4175 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4176 \else%
4177 \xepersian@dahgan#2%
4178 \ifnum#3>\z@ \xepersian@yekani#3\fi%
4179 #60%
4180 \fi%
4181 }
4182 \def\xepersian@yekani#1{%
4183 \ifcase#1\@empty\or\or\or\or\or\or\or\ %
4184 \or\or\or\or\or\or\or\ %
4185 \or\or\or\or\ %
4186 \or\or\ %fi\
4187 }
4188 \def\xepersian@yekanii#1{%
4189 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4190 }
4191 \def\xepersian@yekanii#1{%
4192 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4193 }
4194 \def\xepersian@yekaniv#1{%
4195 \ifcase#1\@empty\or\or\or\or\or\or\ %
4196 \or\or\or\ %fi\
4197 }
4198 \def\xepersian@dahgan#1{%
4199 \ifcase#1\or\or\or\or\ %
4200 \or\or\or\or\ %
4201 \or %fi\
4202 }
4203 \newcommand{\tartibi}[1]{%
4204 \expandafter\@tartibi\csname c@#1\endcsname%
4205 }
4206 \newcommand{\@tartibi}[1]{%
4207 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4208 }
4209 \let\tartibinumeral\@tartibi%
4210 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4211 \ifnum\number#1<\@ne%
4212 #3%
4213 \else\ifnum\number#1<1000000000 %
4214 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4215 \else%
4216 \xepersian@numberoutofrange{#1}{#4}%
4217 \fi\fi%
4218 }

```




```

4273 \ifnum#2#3>\z@ \fi%
4274 \fi%
4275 \ifnum#2#3<20%
4276 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4277 \else%
4278 \ifnum#2#3=30%
4279 \xepersian@dahgan@tartibi#2%
4280 \else%
4281 \xepersian@dahgan#2%
4282 \fi%
4283 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
4284 #60%
4285 \fi%
4286 }
4287 \def\xepersian@dahgan@tartibi#1{%
4288 \ifcase#1\or\or or\ or\ %
4289 \or or\ or\ or\ %
4290 \or %fi\
4291 }
4292 \def\xepersian@tartibi#1{%
4293 \ifcase#1 \or or\ or\ or\ %
4294 \or or\ or\ or\ or\ %
4295 \or or\ or\ or\ %
4296 \or or\ or\ %
4297 \or or\ or\ %fi\
4298 }
4299 \def\xepersian@yekanv#1{%
4300 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4301 \or or\ or\ or\ or\ or\ or\ %
4302 \or or\ or\ or\ %
4303 \or or\ %fi\
4304 }
4305 \providecommand*\xpg@warning}[1]{%
4306 \PackageWarning{XePersian}%
4307 {#1}}
4308 \if@bidi@csundef{@abjad}{%
4309 \def@abjad#1{%
4310 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4311 \else
4312 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4313 \else
4314 \ifnum#1<10\expandafter\abj@num@i\number#1%
4315 \else
4316 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4317 \else
4318 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4319 \else
4320 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4321 \fi
4322 \fi
4323 \fi
4324 \fi
4325 \fi
4326 \fi

```



```

4327 }
4328 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4329 \let\abjadnumeral\@abjad
4330 \def\abjad@zero{}
4331 \def\abj@num@i#1{%
4332   \ifcase#1\or or\ or\ or\ or\ %
4333     \or or\ or\ or\ or\ fi\
4334   \ifnum#1=\z@\abjad@zero\fi}
4335 \def\abj@num@ii#1{%
4336   \ifcase#1\or or\ or\ or\ or\ or\ %
4337     \or or\ or\ or\ or\ fi\
4338   \ifnum#1=\z@\fi\abj@num@i}
4339 \def\abj@num@iii#1{%
4340   \ifcase#1\or or\ or\ or\ or\ or\ or\ %
4341     \or or\ or\ or\ or\ or\ fi\
4342   \ifnum#1=\z@\fi\abj@num@ii}
4343 \def\abj@num@iv#1{%
4344   \ifcase#1\or fi\
4345   \ifnum#1=\z@\fi\abj@num@iii}
4346 }{}
4347 \let\@latalph\@alph%
4348 \let\@latinAlph\@Alph%
4349 \def\LatinAlphs{%
4350   \let\@alph\@latalph%
4351   \let\@Alph\@latinAlph%
4352 }
4353 \def\thempfootnote{\itshape\@latalph@c@mpfootnote}
4354 \renewcommand*{\bidi@thebibliography@font@hook}{%
4355   \if@LTRbibitems
4356     \resetlatinfont
4357   \fi}
4358 \bidi@AfterEndPreamble{%
4359   \if\bidi@csundef{persianfont}{%
4360     \PackageError{xepersian}{You have not specified any font\MessageBreak
4361     for the main Persian text}{Use \settextfont' to load a font.}%
4362   }{}}
4363
4364 \ApplyPatchToFiles{%
4365   footnote-xetex-bidi, %
4366   extrafootnotefeatures-xetex-bidi %
4367 }[def][xepersian]
4368
4369 \ApplyPatchToClasses{%
4370   article, %
4371   amsart, %
4372   amsbook, %
4373   artikel1, %
4374   artikel2, %
4375   artikel3, %
4376   beamer, %
4377   bidimoderncv, %
4378   boek, %
4379   boek3, %
4380   book, %

```



```

4381  bookest, %
4382  extbook, %
4383  extarticle, %
4384  extreport, %
4385  imspdoc, %
4386  memoir, %
4387  rapport1, %
4388  rapport3, %
4389  refrep, %
4390  report, %
4391  scrartcl, %
4392  scrbook, %
4393  scrreprt %
4394 }[xepersian]
4395
4396 \ApplyPatchToPackages{%
4397  algorithm, %
4398  algorithmic, %
4399  appendix, %
4400  backref, %
4401  beamerbasetranslator, %
4402  bibtexsty, %
4403  breqn, %
4404  enumerate, %
4405  enumitem, %
4406  fancyref, %
4407  framed, %
4408  glossaries, %
4409  hyperref, %
4410  listings, %
4411  minitoc, %
4412  natbib, %
4413  soul, %
4414  tkz-linknodes, %
4415  tocloft, %
4416  url, %
4417  varioref %
4418 }[xepersian]
4419
4420 \newtoks\xepersian@toks
4421 \def\xepersian@tempa#1{%
4422 \long\def\xepersian@sp@def##1##2{%
4423 \futurelet\xepersian@resa\xepersian@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4424 \long\def\xepersian@sp@d{%
4425 \ifx\xepersian@resa\@sptoken
4426 \expandafter\xepersian@sp@b
4427 \else
4428 \expandafter\xepersian@sp@b\expandafter#1%
4429 \fi}%
4430 \long\def\xepersian@sp@b#1##1 \@nil{\xepersian@sp@c##1}%
4431 }
4432 \xepersian@tempa{ }
4433 \long\def\xepersian@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4434 \def\xepersian@fontsize@branch#1{%

```




```

4435 \@tempcnta\z@
4436 \@for\xepersian@tmp:=#1\do{%
4437   \xepersian@sp@def\xepersian@frag{\xepersian@tmp}%
4438   \ifcase\@tempcnta\relax% cnta == 0
4439     \edef\xepersian@value{\xepersian@frag}%
4440     \setfontsize{\xepersian@frag}%
4441   \or% cnta == 1
4442     \setfontsize[\xepersian@frag]{\xepersian@value}%
4443   \else\fi
4444   \advance\@tempcnta\@ne}%
4445 }
4446
4447 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4448   \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
4449 }{}{}
4450
4451 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4452   \@tempkipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
4453 }{}{}
4454
4455
4456 \newcommand*\xepersian@@@update@math@fontsize}[1]{%
4457   \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
4458   \dimexpr 1pt * \dimexpr #1 pt\relax /
4459   \dimexpr \xepersian@@@fontsize@scale pt\relax
4460   \relax\relax
4461 }
4462
4463 \bidi@patchcmd{\getanddefine@fonts}{%
4464   \xdef\font@name{\csname \string#2/\tf@size@endcsname}%
4465 }{%
4466   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size@endcsname}%
4467 }{}{}
4468
4469 \bidi@patchcmd{\getanddefine@fonts}{%
4470   \xdef\font@name{\csname \string#2/\sf@size@endcsname}%
4471 }{%
4472   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sf@size@endcsname}%
4473 }{}{}
4474
4475 \bidi@patchcmd{\getanddefine@fonts}{%
4476   \xdef\font@name{\csname \string#2/\ssf@size@endcsname}%
4477 }{%
4478   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size@endcsname}%
4479 }{}{}
4480
4481
4482 \if\xepersian@@@computeautoilg
4483 \bidi@patchcmd{\set@fontsize}{%
4484   \baselineskip\f@baselineskip\relax
4485 }{%
4486   \baselineskip\f@baselineskip\relax
4487   \xepersian@@@computeautoilg
4488   \ifdim\xepersian@strutilg>\baselineskip

```



```

4489 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4490 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4491 \baselineskip\xepersian@strutilg
4492 \ifdim\footnotesep=.7\baselineskip
4493 \else
4494 \footnotesep.7\baselineskip
4495 \fi
4496 \fi
4497 }{}{}
4498 \fi
4499
4500 \AtEndOfPackage{%
4501 \setlatintextfont[%
4502 Path,%
4503 BoldFont={lmroman10-bold},%
4504 BoldItalicFont={lmroman10-bolditalic},%
4505 ItalicFont={lmroman10-italic},%
4506 SmallCapsFont={lmromancaps10-regular},%
4507 SlantedFont={lmromanslant10-regular},%
4508 BoldSlantedFont={lmromanslant10-bold}%
4509 ]{lmroman10-regular}
4510 }
4511 \PersianAlphs

```

62 File xepersian-magazine.cls

```

4512 \NeedsTeXFormat{LaTeX2e}
4513 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4514 \RequirePackage{ifthen}
4515 \newlength{\xepersian@imgsize}
4516 \newlength{\xepersian@coltitsize}
4517 \newlength{\xepersian@pageneed}
4518 \newlength{\xepersian@pageleft}
4519 \newlength{\xepersian@indexwidth}
4520 \newcommand{\xepersian@ncolumns}{0}
4521 \newlength{\columnlines}
4522 \setlength{\columnlines}{0 pt} % no lines by default
4523 \newboolean{xepersian@hyphenatedtitles}
4524 \setboolean{xepersian@hyphenatedtitles}{true}
4525 \newboolean{xepersian@ninepoints}
4526 \setboolean{xepersian@ninepoints}{false}
4527 \newboolean{xepersian@showgrid}
4528 \setboolean{xepersian@showgrid}{false}
4529 \newboolean{xepersian@a3paper}
4530 \setboolean{xepersian@a3paper}{false}
4531 \newboolean{xepersian@insidefrontpage}
4532 \setboolean{xepersian@insidefrontpage}{false}
4533 \newboolean{xepersian@insideweather}
4534 \setboolean{xepersian@insideweather}{false}
4535 \newboolean{xepersian@insideindex}
4536 \setboolean{xepersian@insideindex}{false}
4537 \newcount\xepersian@gridrows
4538 \newcount\xepersian@gridcolumns
4539 \xepersian@gridrows=40

```



```

4540 \xepersian@gridcolumns=50
4541 \newcount\minraggedcols
4542 \minraggedcols=5
4543 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4544 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4545 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4546 \DeclareOption{twocolumn}%
4547 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4548 \DeclareOption{notitlepage}%
4549 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4550 \DeclareOption{twoside}%
4551 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4552 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4553 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4554 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4555 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4556 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4557 \ProcessOptions\relax
4558 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4559 \RequirePackage{ifxetex}
4560 \RequirePackage{multido}
4561 \RequirePackage{datetime}
4562 \RequirePackage{multicol}
4563 \RequirePackage{fancyhdr}
4564 \RequirePackage{fancybox}
4565 \ifthenelse{\boolean{xepersian@a3paper}}{%
4566 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4567 }{
4568 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4569 }
4570 \RequirePackage[absolute]{textpos} % absolute positioning
4571 \RequirePackage{hyphenat} % when hyphenate
4572 \RequirePackage{lastpage} % to know the last page number
4573 \RequirePackage{setspace} % set space between lines
4574 \RequirePackage{ragged2e}
4575 \newcommand{\raggedFormat}{\RaggedLeft}
4576 \AtEndOfClass{\xepersianInit}
4577 \ifthenelse{\boolean{xepersian@showgrid}}{%
4578 \AtBeginDocument{
4579 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4580 \advance\minraggedcols by -1
4581 }{%
4582 \AtBeginDocument{
4583 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4584 \advance\minraggedcols by -1
4585 }
4586 \ifthenelse{\boolean{xepersian@ninepoints}}{
4587 \renewcommand{\normalsize}{%
4588 \setfontsize{\normalsize}{9pt}{10pt}%
4589 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4590 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4591 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4592 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4593

```



```

4594 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
4595
4596 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4597
4598 \renewcommand{\small}{%
4599   \@setfontsize{\small}{8pt}{9pt}%
4600   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4601   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4602   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4603   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4604
4605 \renewcommand{\footnotesize}{%
4606   \@setfontsize{\footnotesize}{8pt}{9pt}%
4607   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4608   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4609   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4610   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4611
4612 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4613 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4614 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4615 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4616 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4617 }{}
4618 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4619 \newcommand{\xepersian@wwwFormat}{\sffamily}
4620 \newcommand{\xepersian@www}{%
4621 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4622 }
4623 \newcommand{\xepersian@edition}{ {
4624 \newcommand{\editionFormat}{\large\bfseries\texttt}
4625 \newcommand{\xepersian@editionLogo}{%
4626 \raisebox{-3pt}{%
4627 {\editionFormat\xepersian@edition}%
4628 }%
4629 }
4630 \newcommand{\indexFormat}{\large\bfseries}
4631 \newcommand{\xepersian@indexFrameTitle}[1]
4632 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4633
4634 \newcommand{\indexEntryFormat}{\normalsize}
4635 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4636 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4637 \end{minipage}}
4638 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4639 \newcommand{\indexEntryPageTxt}{ }
4640 \newcommand{\indexEntryPageFormat}{\footnotesize}
4641 \newcommand{\xepersian@indexEntryPage}[1]{%
4642 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4643 }
4644 \newcommand{\headDateTimeFormat}{ }
4645 \newcommand{\xepersian@headDateTime}{%
4646 \headDateTimeFormat\date\hspace{5pt}\$ \parallel \$\hspace{5pt}%
4647 \currenttime %

```



```

4648 }
4649 \newcommand{\weatherFormat}{\bfseries}
4650 \newcommand{\xepersian@weather}[1]{%
4651 \noindent{\weatherFormat #1}%
4652 }
4653 \newcommand{\weatherTempFormat}{\small}
4654 \newcommand{\weatherUnits}{\textdegree{ }C}
4655 \newcommand{\xepersian@section}[0]{ {
4656 \newcommand{\xepersian@headleft}{%
4657 {\small\bfseries \@custommagazinename} \date
4658 }
4659 \newcommand{\xepersian@headcenter}{%
4660 \xepersian@section{}
4661 }
4662 \newcommand{\xepersian@headright}{%
4663 \small\xepersian@edition%
4664 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4665 }
4666
4667 \newcommand{\heading}[3]{%
4668 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4669 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4670 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4671 }
4672 \newcommand{\xepersian@footright}{%
4673 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4674 }
4675 \newcommand{\xepersian@footcenter}{%
4676 }
4677 \newcommand{\xepersian@footleft}{%
4678 }
4679
4680 \newcommand{\foot}[3]{%
4681 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4682 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4683 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4684 }
4685 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4686 \newcommand{\xepersian@firstTitle}[1]{%
4687 {%
4688 \begin{spacing}{2.0}{%
4689 \noindent\ignorespaces
4690 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4691 {\nohyphens{\firstTitleFormat #1}}%
4692 {\firstTitleFormat #1}}%
4693 }%
4694 \end{spacing}%
4695 }%
4696 }
4697 \newcommand{\firstTextFormat}{%
4698 \newcommand{\xepersian@firstText}[1]{%
4699 {\noindent\ignorespaces\firstTextFormat #1}%
4700 }
4701 \newcommand{\secondTitleFormat}{\LARGE\bfseries}

```



```

4702 \newcommand{\xepersian@secondTitle}[1]{%
4703 \begin{spacing}{1.5}{%
4704 \noindent\ignorespaces\flushright
4705 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4706 {\nohyphens{\secondTitleFormat #1}}%
4707 {\secondTitleFormat #1}}%
4708 }\end{spacing}%
4709 }
4710 \newcommand{\secondSubtitleFormat}{\large}
4711 \newcommand{\xepersian@secondSubtitle}[1]{%
4712 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4713 }
4714 \newcommand{\secondTextFormat}{}
4715 \newcommand{\xepersian@secondText}[1]{%
4716 \begin{multicols}{2}
4717 {\noindent\ignorespaces\secondTextFormat #1}
4718 \end{multicols}
4719 }
4720 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4721 \newcommand{\xepersian@thirdTitle}[1]{%
4722 \begin{spacing}{1.5}{%
4723 \noindent\ignorespaces\flushright
4724 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4725 {\nohyphens{\thirdTitleFormat #1}}%
4726 {\thirdTitleFormat #1}}%
4727 }\end{spacing}%
4728 }
4729 \newcommand{\thirdSubtitleFormat}{\large}
4730 \newcommand{\xepersian@thirdSubtitle}[1]{%
4731 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4732 \newcommand{\thirdTextFormat}{}
4733 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4734 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4735 \newcommand{\xepersian@pictureCaption}[1]{%
4736 {\noindent\pictureCaptionFormat #1}}%
4737 }
4738 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4739 \newcommand{\xepersian@pages}[1]{%
4740 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4741 \newcommand{\innerTitleFormat}{\Huge}
4742 \newcommand{\xepersian@innerTitle}[1]{%
4743 \begin{flushright}{%
4744 \noindent
4745 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4746 {\nohyphens{\innerTitleFormat #1}}%
4747 {\innerTitleFormat #1}}%
4748 }%
4749 \\\%
4750 \end{flushright}}%
4751 }
4752 \newcommand{\innerSubtitleFormat}{\large}
4753 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4754 \newcommand{\timestampTxt}{}
4755 \newcommand{\timestampSeparator}{|}

```



```

4756 \newcommand{\timestampFormat}{\small}
4757 \newcommand{\timestamp}[1]{%
4758 {\timestampFormat%
4759 #1~\timestampTxt{}}%
4760 }~\timestampSeparator{}}%
4761 }
4762 \newcommand{\innerAuthorFormat}{\footnotesize}
4763 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4764 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4765 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4766 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4767 \newcommand{\editorialAuthorFormat}{\textsc}
4768 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4769 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4770 \newcommand{\shortarticleSubtitleFormat}{\Large}
4771 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4772 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4773 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4774 \renewcommand{\maketitle}{\begin{titlepage}%
4775 \let\footnotesize\small
4776 \let\footnoterule\relax
4777 \let \footnote \thanks
4778 \null\vfil
4779 \vskip 60\p@
4780 \begin{center}%
4781 {\LARGE \@title \par}%
4782 \vskip 1em%
4783 {\LARGE «\xepersian@edition» \par}%
4784 \vskip 3em%
4785 {\large
4786 \lineskip .75em%
4787 \begin{tabular}[t]{c}%
4788 \@author
4789 \end{tabular}\par}%
4790 \vskip 1.5em%
4791 {\large \@date \par}%
4792 \end{center}\par
4793 \@thanks
4794 \vfil\null
4795 \end{titlepage}%
4796 \setcounter{footnote}{0}%
4797 \global\let\thanks\relax
4798 \global\let\maketitle\relax
4799 \global\let\@thanks\@empty
4800 \global\let\@author\@empty
4801 \global\let\@date\@empty
4802 \global\let\@title\@empty
4803 \global\let\title\relax
4804 \global\let\author\relax
4805 \global\let\date\relax
4806 \global\let\and\relax
4807 }
4808 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4809 \newsavebox{\xepersian@fmbbox}

```



```

4810 \newenvironment{xepersian@fmpage}[1]
4811  {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4812  {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4813 \newcommand{\image}[2]{
4814 \vspace{5pt}
4815 \setlength{\fboxsep}{1pt}
4816 \addtolength{\xepersian@imgsize}{\columnwidth}
4817 \addtolength{\xepersian@imgsize}{-1\columnsep}
4818 \ifxetex
4819 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4820 \addtolength{\xepersian@pageneed}{50pt}
4821 \ClassWarning{xepersian-magazine}{%
4822 Image #1 needs: \the\xepersian@pageneed \space %
4823 and there is left: \the\page@free\space%
4824 }
4825 \ifdim \xepersian@pageneed < \page@free
4826
4827 {\centering\fbox{%
4828 \includegraphics[width = \xepersian@imgsize,
4829 height = \xepersian@imgsize,
4830 keepaspectratio ]{#1}}}
4831 \xepersian@pictureCaption{#2}
4832
4833 \vspace{5pt}
4834 \else
4835 \ClassWarning{Image #1 needs more space!%
4836 It was not inserted!}
4837 \fi
4838 \fi
4839 }
4840 \textblockorigin{1cm}{1cm}
4841 \newdimen\xepersian@dx
4842 \newdimen\xepersian@dy
4843 \newcount\xepersian@cx
4844 \newcount\xepersian@cy
4845 \newcommand{\grid}[3][ ]{
4846 \xepersian@dx=\textwidth%
4847 \xepersian@dy=\textheight%
4848 \xepersian@cx=#3% %columns
4849 \xepersian@cy=#2% %rows
4850
4851 \count1=#3%
4852 \advance\count1 by 1
4853
4854 \count2=#2%
4855 \advance\count2 by 1
4856
4857 \divide\xepersian@dx by #3
4858 \divide\xepersian@dy by #2
4859
4860 \setlength{\TPHorizModule}{\xepersian@dx}
4861 \setlength{\TPVertModule}{\xepersian@dy}
4862
4863 \ifthenelse{\equal{#1}{show}}{

```




```

4864 \multido{\xepersian@nrow=0+1}{\count2}{
4865 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4866 \rule[0pt]{\textwidth}{.1pt}
4867 \end{textblock}
4868 }
4869
4870 \multido{\xepersian@ncol=0+1}{\count1}{
4871 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4872 \rule[0pt]{.1pt}{\textheight}
4873 \end{textblock}
4874 }
4875 }{}
4876 }
4877 \newcommand{\xepersianInit}{
4878 \setlength{\headheight}{14pt}
4879 \renewcommand{\headrulewidth}{0.4pt}
4880
4881 \pagestyle{fancy}
4882
4883 \setlength{\columnseprule}{\columnlines}
4884 \setlength{\fboxrule}{0.1 pt}
4885
4886 }
4887
4888 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4889 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4890 \def\custommagazinename#1{\gdef\@custommagazinename{\beginR#1\endR}}
4891 \newcommand{\logo}[0]{
4892 %% Heading %%
4893 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4894
4895 \vspace*{-3pt}
4896
4897 {\Large\bfseries \@customlogo}
4898 \hrulefill
4899 \hspace{10pt}\xepersian@headDateTime
4900
4901 }
4902 \newcommand{\minilogo}[0]{
4903 {\large\bfseries \@customminilogo}
4904
4905 \vspace*{5pt}
4906 }
4907 \newcommand{\mylogo}[1]{
4908 {\beginR#1\endR}
4909
4910 \noindent
4911 \xepersian@editionLogo\hspace{5pt}
4912 \hrulefill
4913 \hspace{5pt}\xepersian@headDateTime
4914 }
4915 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4916 \newenvironment{frontpage}[0]
4917 {

```



```

4918 \setboolean{xepersian@insidefrontpage}{true}
4919 \thispagestyle{empty}
4920 \logo
4921
4922 }%
4923 {
4924 \thispagestyle{empty}
4925 \clearpage
4926 \newpage
4927 \fancyhead{}
4928 \fancyfoot{}
4929 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4930 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4931 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4932 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4933 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4934 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4935 \renewcommand{\headrulewidth}{0.4pt}
4936 \setboolean{xepersian@insidefrontpage}{false}
4937
4938 }
4939 \newcommand{\firstarticle}[3]
4940 {
4941 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4942 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4943 \begin{textblock}{24}(22,5)
4944 }
4945 {
4946 \begin{textblock}{28}(22,5)
4947 }
4948 \vspace{-7pt}
4949 \xepersian@firstTitle{#1}
4950 \end{textblock}
4951 \begin{textblock}{29}(22,10)
4952 \vspace{5pt plus 2pt minus 2pt}
4953
4954 \xepersian@firstText{\timestamp{#3}~#2}
4955
4956 \end{textblock}
4957
4958 \begin{textblock}{50}(0,15)
4959 \rule{50\TPHorizModule}{.3pt}
4960 \end{textblock}
4961 }{%else
4962 \ClassError{xepersian-magazine}{%
4963 \protect\firstarticle\space in a wrong place.\MessageBreak
4964 \protect\firstarticle\space may only appear inside frontpage environment.
4965 }{%
4966 \protect\firstarticle\space may only appear inside frontpage environment.
4967 }%
4968 }
4969 }
4970 \newcommand{\secondarticle}[5]
4971 {

```



```

4972 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4973 \begin{textblock}{33}(2,16)
4974 \xepersian@pages{#4}
4975 \vspace{-5pt}
4976 \xepersian@secondTitle{#1}
4977
4978 \vspace*{5pt}
4979
4980 \xepersian@secondSubtitle{#2}
4981
4982 \vspace*{-7pt}
4983
4984 \xepersian@secondText{\timestamp{#5}~#3}
4985
4986 \end{textblock}
4987
4988 \begin{textblock}{33}(2,25)
4989 \vspace{5pt plus 2pt minus 2pt}
4990
4991 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4992 \end{textblock}
4993 }{%else
4994 \ClassError{xepersian-magazine}{%
4995 \protect\secondarticle\space in a wrong place.\MessageBreak
4996 \protect\secondarticle\space may only appear inside frontpage environment.
4997 }{%
4998 \protect\secondarticle\space may only appear inside frontpage environment.
4999 }%
5000 }
5001 }
5002 \newcommand{\thirdarticle}[6]
5003 {
5004 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5005 \begin{textblock}{32}(2,26)
5006 \xepersian@pages{#5}
5007 \vspace{-5pt}
5008 \setlength{\fboxsep}{1pt}
5009 \xepersian@thirdTitle{#1}
5010
5011 \vspace*{5pt}
5012
5013 \xepersian@thirdSubtitle{#2}
5014
5015 \vspace*{5pt}
5016
5017 {\noindent\ignorespaces %
5018 \ifthenelse{\equal{#4}{}}{}}
5019
5020 \xepersian@thirdText{\timestamp{#6}~#3}
5021
5022 }
5023
5024 \vspace*{5pt}
5025

```



```

5026 \end{textblock}
5027 }{%else
5028 \ClassError{xepersian-magazine}{%
5029 \protect\thirdarticle\space in a wrong place.\MessageBreak
5030 \protect\thirdarticle\space may only appear inside frontpage environment.
5031 }{%
5032 \protect\thirdarticle\space may only appear inside frontpage environment.
5033 }%
5034 }
5035 }
5036 \newcommand{\firstimage}[2]
5037 {
5038 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5039 \begin{textblock}{18}(2,5)
5040 \setlength{\fboxsep}{1pt}
5041 \ifxetex % only in PDF
5042 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
5043 \fi
5044
5045 \xepersian@pictureCaption{#2}
5046 \end{textblock}}%
5047 }
5048 {\ClassError{xepersian-magazine}{%
5049 \protect\firstimage\space in a wrong place.\MessageBreak
5050 \protect\firstimage\space may only appear inside frontpage environment.
5051 }{%
5052 \protect\firstimage\space may only appear inside frontpage environment.
5053 }}
5054 }%
5055 \newcommand{\weatheritem}[5]{%
5056 \ifthenelse{\boolean{xepersian@insideweather}}{
5057 \begin{minipage}{45pt}
5058 \ifxetex
5059 \includegraphics[width=40pt]{#1}
5060 \fi
5061 \end{minipage}
5062 \begin{minipage}{50pt}
5063 \weatherTempFormat
5064 #2\\
5065 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
5066 #5
5067 \end{minipage}
5068 }{%else
5069 \ClassError{xepersian-magazine}{%
5070 \protect\weatheritem\space in a wrong place.\MessageBreak
5071 \protect\weatheritem\space may only appear inside weatherblock environment.
5072 }{%
5073 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
5074 weatherblock environment may only appear inside frontpage environment.
5075 }%
5076 }
5077 }
5078 \newenvironment{weatherblock}[1]
5079 {

```



```

5080 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5081 \setboolean{xepersian@insideweather}{true}
5082 \begin{textblock}{32}(2,38)
5083 \vspace*{-15pt}
5084
5085 \xepersian@weather{\beginR#1\endR}
5086
5087 \vspace*{5pt}
5088
5089 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5090 \begin{minipage}{32\TPHorizModule}
5091 \hspace{5pt}
5092
5093 }{%
5094 \ClassError{xepersian-magazine}{%
5095 weatherblock in a wrong place.\MessageBreak
5096 weatherblock may only appear inside frontpage environment.
5097 }{%
5098 weatherblock may only appear inside frontpage environment.
5099 }
5100 }
5101 }%
5102 {
5103 \end{minipage}
5104 \end{xepersian@fmpage}
5105 \end{textblock}
5106 \setboolean{xepersian@insideweather}{false}
5107 }
5108 \newenvironment{authorblock}[0]
5109 {
5110 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5111 \begin{textblock}{15}(36,35)
5112 \setlength{\fboxsep}{5pt}
5113 \begin{xepersian@fmpage}{13\TPHorizModule}
5114 \begin{minipage}{13\TPHorizModule}
5115 \centering
5116 \minilogo
5117
5118 }{%else
5119 \ClassError{xepersian-magazine}{%
5120 authorblock in a wrong place.\MessageBreak
5121 authorblock may only appear inside frontpage environment.
5122 }{%
5123 authorblock may only appear inside frontpage environment.
5124 }
5125 }
5126 }
5127 {
5128 \end{minipage}
5129 \end{xepersian@fmpage}
5130 \end{textblock}
5131 }
5132 \newenvironment{indexblock}[1]
5133 {

```



```

5134 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5135 \setboolean{xepersian@insideindex}{true}%let's in
5136 \begin{textblock}{15}(36,16)
5137 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5138 \xepersian@indexFrameTitle{#1}
5139
5140 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5141 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5142 \begin{minipage}{\xepersian@indexwidth}
5143 \vspace*{10pt}
5144 }{%else
5145 \ClassError{xepersian-magazine}{%
5146 indexblock in a wrong place.\MessageBreak
5147 indexblock may only appear inside frontpage environment.
5148 }{%
5149 indexblock may only appear inside frontpage environment.
5150 }
5151 }
5152 }%
5153 {
5154 \end{minipage}
5155 \end{xepersian@fmpage}
5156 \end{textblock}
5157 \setboolean{xepersian@insideindex}{false}%let's out
5158 }
5159 \newcommand{\indexitem}[2]
5160 {
5161 \ifthenelse{\boolean{xepersian@insideindex}}{
5162 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5163
5164 \vspace{0.5cm}
5165
5166 \noindent\ignorespaces\indexEntrySeparator{
5167 }{%else
5168 \ClassError{xepersian-magazine}{%
5169 \protect\indexitem\space in a wrong place.\MessageBreak
5170 \protect\indexitem\space may only appear inside indexblock environment.
5171 }{%
5172 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5173 indexblock environment may only appear inside frontpage environment.
5174 }%
5175 }
5176 }
5177 \newcommand{\xepersian@inexpandedtitle}[1]{
5178 \begin{minipage}{.95\textwidth}
5179 \begin{center}
5180 \noindent\Large\textbf{\beginR#1\endR}
5181 \end{center}
5182 \end{minipage}
5183 }
5184 \newcommand{\expandedtitle}[2]{
5185 \end{multicols}
5186
5187 \begin{center}

```



```

5188 \setlength{\fboxsep}{5pt}
5189 \setlength{\shadowsize}{2pt}
5190 \ifthenelse{\equal{#1}{shadowbox}}{%
5191 \shadowbox{%
5192 \xepersian@inexpandedtitle{#2}%
5193 }%
5194 }{}
5195 \ifthenelse{\equal{#1}{doublebox}}{%
5196 \doublebox{%
5197 \xepersian@inexpandedtitle{#2}%
5198 }%
5199 }{}
5200 \ifthenelse{\equal{#1}{ovalbox}}{%
5201 \ovalbox{%
5202 \xepersian@inexpandedtitle{#2}%
5203 }%
5204 }{}
5205 \ifthenelse{\equal{#1}{Ovalbox}}{%
5206 \Ovalbox{%
5207 \xepersian@inexpandedtitle{#2}%
5208 }%
5209 }{}
5210 \ifthenelse{\equal{#1}{lines}}{
5211 \hrule
5212 \vspace*{8pt}
5213 \begin{center}
5214 \noindent\Large\textbf{#2}
5215 \end{center}
5216 \vspace*{8pt}
5217 \hrule
5218 }{}
5219 \end{center}
5220
5221 \begin{multicols}{\xepersian@ncolumns}}
5222 \ifnum \xepersian@ncolumns > \minraggedcols
5223 \raggedFormat
5224 \fi
5225 }
5226 \newcommand{\xepersian@incolumntitle}[2]{
5227 \begin{minipage}{#1}
5228 \begin{center}
5229 \noindent\normalsize\textbf{#2}
5230 \end{center}
5231 \end{minipage}
5232 }
5233
5234 \newcommand{\columntitle}[2]{
5235 \vspace*{5pt}
5236 \begin{center}
5237 \setlength{\fboxsep}{5pt}
5238 \setlength{\shadowsize}{2pt}
5239 \addtolength{\xepersian@coltitsize}{\columnwidth}
5240 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5241 \addtolength{\xepersian@coltitsize}{-5pt}

```



```

5242 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5243 \ifthenelse{\equal{#1}{shadowbox}}{-%
5244 \shadowbox{%-
5245 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5246 }-%
5247 }{ }
5248 \ifthenelse{\equal{#1}{doublebox}}{-%
5249 \doublebox{%-
5250 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5251 }-%
5252 }{ }
5253 \ifthenelse{\equal{#1}{ovalbox}}{-%
5254 \ovalbox{%-
5255 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5256 }-%
5257 }{ }
5258 \ifthenelse{\equal{#1}{Ovalbox}}{-%
5259 \Ovalbox{%-
5260 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5261 }-%
5262 }{ }
5263 \ifthenelse{\equal{#1}{lines}}{
5264 \hrule
5265 \vspace*{5pt}
5266 \begin{center}
5267 \noindent\normalsize\textbf{#2}
5268 \end{center}
5269 \vspace*{5pt}
5270 \hrule
5271 }{ }
5272 \end{center}
5273 }
5274 \renewcommand{\date}{-%
5275 \longdate{\today}%
5276 }
5277 \newcommand{\authorandplace}[2]{-%
5278 \rightline{%-
5279 {\innerAuthorFormat #1},\space-}{\innerPlaceFormat #2}%
5280 }-%
5281 \par %
5282 }
5283 \newcommand{\newsection}[1]{
5284 \renewcommand{\xepersian@section}{#1}
5285 }
5286 \newenvironment{article}[5]
5287 {
5288 \xepersian@say{Adding a new piece of article}
5289 \renewcommand{\xepersian@ncolumns}{#1}
5290 \begin{multicols}{#1}[
5291 \xepersian@pages{#4}
5292 \xepersian@innerTitle{#2}%
5293 \xepersian@innerSubtitle{#3}%
5294 ] [4cm]%
5295 \label{#5}

```




```

5296 \ifnum #1 > \minraggedcols
5297 \raggedFormat
5298 \fi
5299 }
5300 {-\innerTextFinalMark{}}
5301 \end{multicols}
5302 }
5303 \newcommand{\articlesep}{%
5304 \setlength{\xepersian@pageneed}{16000pt}
5305 \setlength{\xepersian@pageleft}{\pagegoal}
5306 \addtolength{\xepersian@pageleft}{-\pagetotal}
5307
5308 \xepersian@say{How much left \the\xepersian@pageleft}
5309
5310 \ifdim \xepersian@pageneed < \xepersian@pageleft
5311 \xepersian@say{Not enough space}
5312 \else
5313 \xepersian@say{Adding sep line between articles}
5314 \vspace*{10pt plus 10pt minus 5pt}
5315 \hrule
5316 \vspace*{10pt plus 5pt minus 5pt}
5317 \fi
5318
5319 }
5320 \newcommand{\xepersian@editorialTit}[2]{
5321 \setlength{\arrayrulewidth}{.1pt}
5322 \begin{center}
5323 \begin{tabular}{c}
5324 \noindent
5325 \xepersian@editorialTitle{#1}
5326 \vspace{2pt plus 1pt minus 1pt}
5327 \\
5328 \hline
5329 \vspace{2pt plus 1pt minus 1pt}
5330 \\
5331 \editorialAuthorFormat{#2}
5332 \end{tabular}
5333 \end{center}
5334 }
5335 \newenvironment{editorial}[4]
5336 {
5337 \xepersian@say{Adding a new editorial}
5338 \begin{multicols}{#1}[%
5339 \xepersian@editorialTit{#2}{#3}%
5340 ] [4cm]
5341 \label{#4}
5342 \ifnum #1 > \minraggedcols
5343 \raggedFormat
5344 \fi
5345 }
5346 {
5347 \end{multicols}
5348 }
5349 \newcommand{\xepersian@shortarticleTit}[2]{

```



```

5350 \begin{center}
5351 \vbox{%
5352 \noindent
5353 \xepersian@shortarticleTitle{#1}
5354 \vspace{4pt plus 2pt minus 2pt}
5355 \hrule
5356 \vspace{4pt plus 2pt minus 2pt}
5357 \xepersian@shortarticleSubtitle{#2}
5358 }
5359 \end{center}
5360 }
5361 \newenvironment{shortarticle}[4]
5362 {
5363 \xepersian@say{Adding a short article block}
5364 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5365 \label{#4}
5366 \par %
5367 \ifnum #1 > \minraggedcols
5368 \raggedFormat
5369 \fi
5370 }
5371 {
5372 \end{multicols}
5373 }
5374 \newcommand{\shortarticleitem}[2]{
5375 \goodbreak
5376 \vspace{5pt plus 3pt minus 3pt}
5377 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5378 \vspace{5pt plus 3pt minus 3pt}
5379 {\noindent #2}\}
5380 }

```

63 File unicode-persianmath.sty

```

5381 \NeedsTeXFormat{LaTeX2e}
5382 \ProvidesPackage{unicode-persianmath}
5383 [2025/09/03 v1.2.4 Unicode Persian math]
5384 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@ccclvi}
5385 \let\newfam\new@mathgroup
5386 \def\select@group#1#2#3#4{%
5387 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5388 f%
5389 \ifmmode
5390 \ifnum\csname c@mv@\math@version\endcsname<\@ccclvi
5391 \begingroup
5392 \escapechar@m@ne
5393 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5394 \globaldefs\@ne \math@fonts
5395 \endgroup
5396 \init@restore@version
5397 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5398 {\number\csname c@mv@\math@version\endcsname}}%
5399 \global\advance\csname c@mv@\math@version\endcsname\@ne
5400 \else

```



```

5401 \let#1\relax
5402 \@latex@error{Too many math alphabets used in
5403             version \math@version}%
5404 \@eha
5405 \fi
5406 \else \expandafter\non@alpherr\fi
5407 #1{#4}%
5408 }%
5409 }
5410 \def\document@select@group#1#2#3#4{%
5411 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5412 {%
5413 \ifmmode
5414 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5415 \begingroup
5416 \escapechar\m@ne
5417 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5418 \globaldefs\@ne \math@fonts
5419 \endgroup
5420 \expandafter\extract@alph@from@version
5421 \csname mv@\math@version\endcsname\expandafter\endcsname
5422 \expandafter{\number\csname
5423             c@mv@\math@version\endcsname}%
5424             #1%
5425 \global\advance\csname c@mv@\math@version\endcsname\@ne
5426 \else
5427 \let#1\relax
5428 \@latex@error{Too many math alphabets used
5429             in version \math@version}%
5430 \@eha
5431 \fi
5432 \else \expandafter\non@alpherr\fi
5433 #1{#4}%
5434 }%
5435 }
5436 \ExplSyntaxOn
5437 \bool_set_false:N \g__fontspec_math_bool
5438 \tl_map_inline:nn
5439 {
5440 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5441 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5442 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5443 \version@list\version@elt\alpha@list\alpha@elt
5444 \restore@mathversion\init@restore@version\dorestore@version\process@table
5445 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5446 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5447 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5448 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5449 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5450 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5451 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5452 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5453 }
5454 {

```



```

5455 \tl_remove_once:Nn \@preamblecmds {\do#1}
5456 }
5457 \ExplSyntaxOff
5458 \newcommand\XePersian@PackageInfo[1]{\PackageInfo{unicode-persianmath}{#1}}
5459 \newcommand\SetMathCode[4]{%
5460 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5461 \newcommand\SetMathCharDef[4]{%
5462 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5463 \ExplSyntaxOn
5464 \cs_new_eq:NN \orig_mathbf:n \mathbf
5465 \cs_new_eq:NN \orig_mathit:n \mathit
5466 \cs_new_eq:NN \orig_mathrm:n \mathrm
5467 \cs_new_eq:NN \orig_mathsf:n \mathsf
5468 \cs_new_eq:NN \orig_mathtt:n \mathtt
5469 %\int_const:Nn \c_one_int { 1 }
5470
5471 \RenewDocumentCommand \mathsf{ m } {
5472 \orig_mathsf:n {
5473 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5474 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5475 }
5476 \SetMathCode{`%}{\mathord}{operators}{`%}
5477 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5478 #1
5479 }
5480 }
5481 \RenewDocumentCommand \mathtt{ m } {
5482 \orig_mathtt:n {
5483 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5484 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5485 }
5486 \SetMathCode{`%}{\mathord}{operators}{`%}
5487 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5488 #1
5489 }
5490 }
5491
5492
5493 \NewDocumentCommand \new@mathbf { m } {
5494 \orig_mathbf:n {
5495 \SetPersianMathDigitsCode{\mathord}{persianoperatorsbf}
5496 #1
5497 }
5498 }
5499 \NewDocumentCommand \new@mathit { m } {
5500 \orig_mathit:n {
5501 \SetPersianMathDigitsCode{\mathord}{persianoperatorsit}
5502 #1
5503 }
5504 }
5505 \NewDocumentCommand \new@mathrm { m } {
5506 \orig_mathrm:n {
5507 \SetPersianMathDigitsCode{\mathord}{persianoperators}
5508 #1

```



```

5509 }
5510 }
5511 \NewDocumentCommand \new@mathsf{ m } {
5512   \orig_mathsf:n {
5513     \SetPersianMathDigitsCode{\mathord}{persianoperatorssf}
5514     #1
5515   }
5516 }
5517 \NewDocumentCommand \new@mathtt{ m } {
5518   \orig_mathtt:n {
5519     \SetPersianMathDigitsCode{\mathord}{persianoperatorstt}
5520     #1
5521   }
5522 }
5523
5524 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxxx { \msg_error:nxxx {unicode-persianmath}
5525 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5526 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5527 \char_set_catcode_space:n {32}
5528 \__xepersian_mathdigitsspec_msg_new:nnnn {unicode-persianmath} {char-not-exist}
5529 {
5530   The font "#1" does not contain U+#2.
5531 }
5532 {
5533   Select another font and rerun TeX.
5534 }
5535 \char_set_catcode_ignore:n {32}
5536
5537 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5538 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5539 {
5540   \tex_iffontchar:D \l_fontspec_font "#1" \scan_stop:
5541   \prg_return_true:
5542   \else:
5543     \prg_return_false:
5544   \fi:
5545 }
5546
5547 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5548
5549 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5550 {
5551   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5552   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5553     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5554   }
5555 }
5556
5557 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5558 {
5559   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5560   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5561     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5562   }

```



```

5563 }
5564
5565 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5566 {
5567   \clist_put_right:Nn \l__xepersian_mathdigitsspec_char_clist { #1 }
5568   \clist_map_inline:Nn \l__xepersian_mathdigitsspec_char_clist {
5569     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5570   }
5571 }
5572
5573 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5574 {
5575   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5576     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5577     06F9 , 066A , 066B
5578   } { #1 }
5579 }
5580
5581 \NewDocumentCommand \SetPersianMathDigitsCode { m m }
5582 {
5583   \SetMathCode{`0}{#1}{#2}{` }
5584   \SetMathCode{`1}{#1}{#2}{` }
5585   \SetMathCode{`2}{#1}{#2}{` }
5586   \SetMathCode{`3}{#1}{#2}{` }
5587   \SetMathCode{`4}{#1}{#2}{` }
5588   \SetMathCode{`5}{#1}{#2}{` }
5589   \SetMathCode{`6}{#1}{#2}{` }
5590   \SetMathCode{`7}{#1}{#2}{` }
5591   \SetMathCode{`8}{#1}{#2}{` }
5592   \SetMathCode{`9}{#1}{#2}{` }
5593 }
5594
5595 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5596 {
5597   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5598 }
5599 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5600 {
5601   \let\glb@currsize\relax
5602   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {#1} {#2}
5603   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5604   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5605   \DeclareSymbolFont{persianoperators} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5606   \DeclareSymbolFont{persianoperatorsbf}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5607   \DeclareSymbolFont{persianoperatorssit}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5608   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5609   \def\persianmathdigits{%
5610     \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5611     \SetMathCode{`\%}{\mathord}{persianoperators}{` }
5612     \SetMathCharDef{\persiandecimalseparator}{\mathord}{persianoperators}{` }
5613     \tl_set_eq:NN \mathbf \new@mathbf
5614     \tl_set_eq:NN \mathit \new@mathit
5615     \tl_set_eq:NN \mathrm \new@mathrm
5616   }

```



```

5617 }
5618
5619 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5620
5621 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
5622 {
5623   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5624 }
5625 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5626 {
5627   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {#1} {#2}
5628   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5629   \DeclareSymbolFont{persianoperatorssf}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfdig
5630   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5631   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5632 }
5633
5634 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5635
5636 \DeclareDocumentCommand \setmathttdigitfont { O{} m O{} }
5637 {
5638   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5639 }
5640 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5641 {
5642   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {#1} {#2}
5643   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5644   \DeclareSymbolFont{persianoperatorstt}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdig
5645   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5646   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5647 }
5648
5649 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5650
5651 \ExplSyntaxOff
5652 \mathchardef\decimalseparator@point="013A
5653 %{\%
5654 % \catcode`\.=\active
5655 % \gdef.{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}]
5656 \bgroup
5657 \uccode`~`.\%
5658 \uppercase{%
5659 \egroup
5660 \def-}{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}
5661 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@
5662 \def\decimalseparator@check#1#2{%
5663   \ifx\@let@decimalsep@token1\endgroup#1\else
5664     \ifx\@let@decimalsep@token2\endgroup#1\else
5665       \ifx\@let@decimalsep@token3\endgroup#1\else
5666         \ifx\@let@decimalsep@token4\endgroup#1\else
5667           \ifx\@let@decimalsep@token5\endgroup#1\else
5668             \ifx\@let@decimalsep@token6\endgroup#1\else
5669               \ifx\@let@decimalsep@token7\endgroup#1\else
5670                 \ifx\@let@decimalsep@token8\endgroup#1\else

```



```

5671         \ifx\@let@decimalsep@token9\endgroup#1\else
5672         \ifx\@let@decimalsep@token0\endgroup#1\else
5673         \ifx\@let@decimalsep@token\dot\endgroup#1\else
5674         \ifx\@let@decimalsep@token\overline\endgroup#1\else
5675         \endgroup#2%
5676     \fi
5677 \fi
5678 \fi
5679 \fi
5680 \fi
5681 \fi
5682 \fi
5683 \fi
5684 \fi
5685 \fi
5686 \fi
5687 \fi}
5688 \AtBeginDocument{\mathcode`.="8000\relax}
5689 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5690 \def\DefaultMathDecimalSeparator{.}
5691 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5692 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5693 \def\DefaultMathDigits{%
5694     \DefaultInlineMathDigits%
5695     \DefaultDisplayMathDigits%
5696 }
5697 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5698 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5699 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5700 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5701 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5702 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5703 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5704 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5705 \def\PersianMathDigits{%
5706     \PersianInlineMathDigits%
5707     \PersianDisplayMathDigits%
5708 }
5709 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5710 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5711 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5712 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5713 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5714 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5715 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5716 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5717 \def\AutoMathDigits{%
5718     \AutoInlineMathDigits%
5719     \AutoDisplayMathDigits%
5720 }
5721 \AutoMathDigits
5722 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5723 \let\SetDisplayMathDigits\relax%
5724 }

```




```

5725 \everydisplay\expandafter{%
5726 \the\everydisplay\SetDisplayMathDigits%
5727 \let\SetInlineMathDigits\relax%
5728 }
5729
5730 \ExplSyntaxOn
5731 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5732
5733 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5734 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5735 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5736 }
5737 \SetMathCode{`\%}{\mathord}{operators}{`\%}
5738 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5739 \tl_set_eq:NN \mathbf \orig_mathbf:n
5740 \tl_set_eq:NN \mathit \orig_mathit:n
5741 \tl_set_eq:NN \mathrm \orig_mathrm:n
5742 \tl_set_eq:NN \mathsf \orig_mathsf:n
5743 \tl_set_eq:NN \mathtt \orig_mathtt:n
5744 }
5745
5746 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5747 \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5748 \SetMathCode{`\%}{\mathord}{persianoperators}{` }
5749 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5750 \tl_set_eq:NN \mathbf \new@mathbf
5751 \tl_set_eq:NN \mathit \new@mathit
5752 \tl_set_eq:NN \mathrm \new@mathrm
5753 \tl_set_eq:NN \mathsf \new@mathsf
5754 \tl_set_eq:NN \mathtt \new@mathtt
5755 }
5756 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

5757 \NeedsTeXFormat{LaTeX2e}
5758 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5759 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5760 \RequirePackage{pifont}
5761 \RequirePackage{fullpage}
5762 \RequirePackage{ifthen}
5763 \RequirePackage{calc}
5764 \RequirePackage{verbatim}
5765 \RequirePackage{tabularx}
5766 \def\@headerfont{\bfseries}
5767 \newcommand\headerfont[1]{\gdef\@headerfont{##1}}
5768 \def\@X{X}
5769 \newcommand\X[1]{\gdef\@X{##1}}
5770 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5771 \newcolumntype{D}{>{\pbs\centering}X}
5772 \newcolumntype{Q}{>{\@headerfont}X}
5773
5774 \renewcommand\tabularxcolumn[1]{m{##1}}
5775 \newcommand\makeform@nocorrection{%

```



```

5776 \addtocontents{frm}{\protect\end{tabularx}}
5777 \starttoc{frm}}
5778 \newcommand\makeform@correction{%
5779 \addtocontents{frm}{\protect\end{tabularx}}}
5780 \newcommand\makemask@nocorrection{%
5781 \addtocontents{msk}{\protect\end{tabularx}}
5782 \starttoc{msk}}
5783 \newcommand\makemask@correction{%
5784 \addtocontents{msk}{\protect\end{tabularx}}}
5785 \newlength\questionspace
5786 \setlength\questionspace{0pt}
5787 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5788 \def\@answerstitlefont{\bfseries}
5789 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5790 \def\@answernumberfont{\bfseries}
5791 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5792 \newcounter{question}\stepcounter{question}
5793 \newcounter{@choice}
5794 \def\@initiorcheck{%
5795 \xdef\@choices{\the@choice}%
5796 \setcounter{@choice}{1}%
5797 \gdef\@arraydesc{|Q|}%
5798 \gdef\@headerline{}}
5799 \whiledo{\not{\value{@choice}>\@choices}}{
5800 \xdef\@arraydesc{\@arraydesc D|}
5801 \def\@appendheader{\g@addto@macro\@headerline}
5802 \@appendheader{&\protect\@headerfont}
5803 \edef\@the@choice{\alph{@choice}}
5804 \expandafter\@appendheader\@the@choice
5805 \stepcounter{@choice}}%
5806 \addtocontents{frm}{%
5807 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5808 \protect\hline
5809 \@headerline\protect\\\protect\hline\protect\hline}%
5810 \addtocontents{msk}{%
5811 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5812 \protect\hline
5813 \@headerline\protect\\\protect\hline\protect\hline}%
5814 \gdef\@initiorcheck{%
5815 \ifthenelse{\value{@choice} = \@choices}{}{%
5816 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5817 (\the@choice\space instead of \@choices)}{%
5818 Questions must all have the same number of proposed answers.%
5819 \MessageBreak
5820 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun TeX.}}}}
5821 \newenvironment{question}[1]{%
5822 %% \begin{question}
5823 \begin{minipage}{\textwidth}
5824 \xdef\@formanswerline{\@questionheader}%
5825 \xdef\@maskanswerline{\@questionheader}%
5826 \fbox{\parbox[c]{\linewidth}{#1}}
5827 \vspace\questionspace\par
5828 {\@answerstitlefont\@answerstitle}
5829 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%

```



```

5830 %% \end{question}
5831 \end{list}
5832 \@initiorcheck%
5833 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5834 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5835 \end{minipage}
5836 \stepcounter{question}}
5837 \def\@truesymbol{\ding{52}~}
5838 \def\@falsesymbol{\ding{56}~}
5839 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5840 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5841 \def\@true@nocorrection{\item}
5842 \def\@false@nocorrection{\item}
5843 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5844 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5845 \newcommand>true{%
5846 \xdef\@formanswerline{\@formanswerline&}%
5847 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5848 \@true}%
5849 \newcommand>false{%
5850 \xdef\@formanswerline{\@formanswerline&}%
5851 \xdef\@maskanswerline{\@maskanswerline&}%
5852 \@false}%
5853 \def\@correctionstyle{\itshape}
5854 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5855 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
5856 \def\@questionheader{ \thequestion}
5857 \answerstitle{ {
5858 \DeclareOption{nocorrection}{%
5859 \let\@true\@true@nocorrection
5860 \let\@false\@false@nocorrection
5861 \let\correction\comment
5862 \let\endcorrection\endcomment
5863 \def\makeform{\makeform@nocorrection}
5864 \def\makemask{\makemask@nocorrection}}
5865 \DeclareOption{correction}{%
5866 \let\@true\@true@correction
5867 \let\@false\@false@correction
5868 \let\correction\@correction
5869 \let\endcorrection\end@correction
5870 \def\makeform{\makeform@correction}
5871 \def\makemask{\makemask@correction}}
5872 \ExecuteOptions{nocorrection}
5873 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5874 \def\@questiontitlefont{\bfseries}
5875 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5876 \newlength\questiontitlespace
5877 \setlength\questiontitlespace{5pt}
5878 \newlength\questionsepSPACE
5879 \setlength\questionsepSPACE{20pt}
5880 \gdef\@questionsepSPACE{0pt}
5881 \let\old@question\question
5882 \let\old@endquestion\endquestion
5883 \renewenvironment{question}[1]{%

```



```

5884 %% \begin{question}
5885 \vspace{@questionsepspace}
5886 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5887 \nopagebreak\vspace{questiontitlespace\par
5888 \old@question{#1}}{%%
5889 %% \end{question}
5890 \old@endquestion
5891 \gdef\@questionsepspace{questionsepspace}}
5892 \questiontitle{ \thequestion:}
5893 \ProcessOptions

```

65 File unicode-persiancal.sty

```

5894 \NeedsTeXFormat{LaTeX2e}
5895 \ProvidesPackage{unicode-persiancal}[2025/01/01 v0.3 Unicode Persian calendar]
5896
5897 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5898 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5899 \newcount\XePersian@latini \newcount\XePersian@persiani
5900 \newcount\XePersian@latinii \newcount\XePersian@persianii
5901 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5902 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5903 \newcount\XePersian@latinv \newcount\XePersian@persianv
5904 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5905 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5906 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5907 \newcount\XePersian@latinix \newcount\XePersian@persianix
5908 \newcount\XePersian@latinx \newcount\XePersian@persianx
5909 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5910 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5911 \newcount\XePersian@persianxiii
5912
5913 \newcount\XePersian@temp
5914 \newcount\XePersian@temptwo
5915 \newcount\XePersian@tempthree
5916 \newcount\XePersian@yModHundred
5917 \newcount\XePersian@thirtytwo
5918 \newcount\XePersian@dn
5919 \newcount\XePersian@sn
5920 \newcount\XePersian@mminusone
5921
5922
5923 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5924 \XePersian@temp=\XePersian@y
5925 \divide\XePersian@temp by 100\relax
5926 \multiply\XePersian@temp by 100\relax
5927 \XePersian@yModHundred=\XePersian@y
5928 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5929 \ifodd\XePersian@yModHundred
5930 \XePersian@leapfalse
5931 \else
5932 \XePersian@temp=\XePersian@yModHundred
5933 \divide\XePersian@temp by 2\relax
5934 \ifodd\XePersian@temp\XePersian@leapfalse

```



```

5935 \else
5936 \ifnum\XePersian@yModHundred=0%
5937 \XePersian@temp=\XePersian@y
5938 \divide\XePersian@temp by 400\relax
5939 \multiply\XePersian@temp by 400\relax
5940 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5941 \else\XePersian@leaptrue
5942 \fi
5943 \fi
5944 \fi
5945 \XePersian@latini=31\relax
5946 \if\XePersian@leap
5947 \XePersian@latinii = 29\relax
5948 \else
5949 \XePersian@latinii = 28\relax
5950 \fi
5951 \XePersian@latiniii = 31\relax
5952 \XePersian@latiniv = 30\relax
5953 \XePersian@latinv = 31\relax
5954 \XePersian@latinvi = 30\relax
5955 \XePersian@latinvii = 31\relax
5956 \XePersian@latinviii = 31\relax
5957 \XePersian@latinix = 30\relax
5958 \XePersian@latinx = 31\relax
5959 \XePersian@latinxi = 30\relax
5960 \XePersian@latinxii = 31\relax
5961 \XePersian@thirtytwo=32\relax
5962 \XePersian@temp=\XePersian@y
5963 \advance\XePersian@temp by -17\relax
5964 \XePersian@temptwo=\XePersian@temp
5965 \divide\XePersian@temptwo by 33\relax
5966 \multiply\XePersian@temptwo by 33\relax
5967 \advance\XePersian@temp by -\XePersian@temptwo
5968 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5969 \else
5970 \XePersian@temptwo=\XePersian@temp
5971 \divide\XePersian@temptwo by 4\relax
5972 \multiply\XePersian@temptwo by 4\relax
5973 \advance\XePersian@temp by -\XePersian@temptwo
5974 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5975 \fi
5976 \XePersian@tempthree=\XePersian@y % Number of Leap years
5977 \advance\XePersian@tempthree by -1
5978 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5979 \divide\XePersian@temp by 4\relax
5980 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5981 \divide\XePersian@temptwo by 100\relax
5982 \advance\XePersian@temp by -\XePersian@temptwo
5983 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5984 \divide\XePersian@temptwo by 400\relax
5985 \advance\XePersian@temp by \XePersian@temptwo
5986 \advance\XePersian@tempthree by -611 % Number of Kabise years
5987 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5988 \divide\XePersian@temptwo by 33\relax

```



```

5989 \multiply\XePersian@temptwo by 8\relax
5990 \advance\XePersian@temp by -\XePersian@temptwo
5991 \XePersian@temptwo=\XePersian@tempthree %
5992 \divide\XePersian@temptwo by 33\relax
5993 \multiply\XePersian@temptwo by 33\relax
5994 \advance\XePersian@tempthree by -\XePersian@temptwo
5995 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5996 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5997 \advance\XePersian@temp by -\XePersian@tempthree
5998 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5999 \XePersian@persiani=31
6000 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
6001 \XePersian@persianii = 30\relax
6002 \ifXePersian@kabiseh
6003 \XePersian@persianiii = 30\relax
6004 \else
6005 \XePersian@persianiii = 29\relax
6006 \fi
6007 \XePersian@persianiv = 31\relax
6008 \XePersian@persianv = 31\relax
6009 \XePersian@persianvi = 31\relax
6010 \XePersian@persianvii = 31\relax
6011 \XePersian@persianviii= 31\relax
6012 \XePersian@persianix = 31\relax
6013 \XePersian@persianx = 30\relax
6014 \XePersian@persianxi = 30\relax
6015 \XePersian@persianxii = 30\relax
6016 \XePersian@persianxiii= 30\relax
6017 \XePersian@dn= 0\relax
6018 \XePersian@sn= 0\relax
6019 \XePersian@mminusone=\XePersian@m
6020 \advance\XePersian@mminusone by -1\relax
6021 \XePersian@i=0\relax
6022 \ifnum\XePersian@i < \XePersian@mminusone
6023 \loop
6024 \advance \XePersian@i by 1\relax
6025 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
6026 \ifnum\XePersian@i<\XePersian@mminusone \repeat
6027 \fi
6028 \advance \XePersian@dn by \XePersian@d
6029 \XePersian@i=1\relax
6030 \XePersian@sn = \XePersian@persiani
6031 \ifnum \XePersian@sn<\XePersian@dn
6032 \loop
6033 \advance \XePersian@i by 1\relax
6034 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6035 \ifnum \XePersian@sn<\XePersian@dn \repeat
6036 \fi
6037 \ifnum \XePersian@i < 4
6038 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
6039 \advance \XePersian@y by -622\relax
6040 \else
6041 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6042 \advance \XePersian@y by -621\relax

```



```

6043 \fi
6044 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
6045 \endcsname
6046 \ifnum\XePersian@i = 1
6047 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@sn
6048 \else
6049 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6050 \fi
6051 \newcommand*\persiantoday}{%
6052 \number\XePersian@d\space%
6053 \XePersian@persian@month{\XePersian@m}\space\XePersian@y%
6054 }
6055 \let\persianyear\XePersian@y
6056 \let\persianmonth\XePersian@m
6057 \let\persianday\XePersian@d
6058 \def\XePersian@persian@month#1{\ifcase#1\or or\
6059 or\
6060 or\ or\
6061 or\
6062 or\ or\
6063 or\ or\
6064 or\ or\
6065 \fi\
6066
6067 \newcommand*\persianseason}{%
6068 \ifcase\persianmonth\or
6069 or\ or\ or\ or\ or\ or\
6070 or\ or\ or\ or\ or\ fi\
6071 }

```



Index

Symbols

- \! 2322
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