



The XePersian *Package*

Source documentation for [version 25.09.03](#)

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.

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

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The XePersian *Package*

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

Source documentation for [version 25.09.03](#)

Vafa Khalighi*

September 3, 2025

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

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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}}

```



```

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

```

5 File appendix-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{ }{alsiname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}

```




```

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

```



```

293 \eqcommand{      }{chardef}
294 \eqcommand{      }{CheckCommand}
295 \eqcommand{ }{cite}
296 \eqcommand{      }{ClassError}
297 \eqcommand{      }{ClassInfo}
298 \eqcommand{      }{ClassWarning}
299 \eqcommand{      }{ClassWarningNoLine}
300 \eqcommand{      }{cleaders}
301 \eqcommand{      }{cleardoublepage}
302 \eqcommand{      }{clearpage}
303 \eqcommand{      }{cline}
304 \eqcommand{      }{closein}
305 \eqcommand{      }{closeout}
306 \eqcommand{ }{closing}
307 \eqcommand{      }{clubpenalty}
308 \eqcommand{ }{clubsuit}
309 \eqcommand{      }{colbotmark}
310 \eqcommand{      }{colfirstmark}
311 \eqcommand{ }{color}
312 \eqcommand{      }{colorbox}
313 \eqcommand{      }{coltopmark}
314 \eqcommand{      }{columncolor}
315 \eqcommand{      }{columnsep}
316 \eqcommand{      }{columnwidth}
317 \eqcommand{      }{columnseprule}
318 \eqcommand{      }{contentsline}
319 \eqcommand{      }{contentsname}
320 \eqcommand{ }{copy}
321 \eqcommand{      }{copyright}
322 \eqcommand{      }{count}
323 \eqcommand{      }{@}{count@}
324 \eqcommand{      }{countdef}
325 \eqcommand{ }{cr}
326 \eqcommand{      }{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{      }{textendash}
1005 \eqcommand{      }{textendash}
1006 \eqcommand{      }{textexclamdown}
1007 \eqcommand{      }{textperiodcentered}
1008 \eqcommand{      }{textquestiondown}
1009 \eqcommand{      }{textquotedblleft}
1010 \eqcommand{      }{textquotedblright}
1011 \eqcommand{      }{textquoteleft}
1012 \eqcommand{      }{textquoteright}
1013 \eqcommand{      }{textvisiblespace}
1014 \eqcommand{      }{textbackslash}
1015 \eqcommand{      }{textbar}
1016 \eqcommand{      }{textgreater}
1017 \eqcommand{      }{textless}
1018 \eqcommand{      }{textbf}
1019 \eqcommand{      }{textcircled}
1020 \eqcommand{      }{textcolor}
1021 \eqcommand{      }{textcompwordmark}
1022 \eqcommand{      }{textfloatsep}
1023 \eqcommand{      }{textfraction}
1024 \eqcommand{      }{textheight}
1025 \eqcommand{      }{textindent}
1026 \eqcommand{      }{textit}
1027 \eqcommand{      }{textmd}
1028 \eqcommand{      }{textnormal}
1029 \eqcommand{      }{textregistered}
1030 \eqcommand{      }{textrm}
1031 \eqcommand{      }{textsc}
1032 \eqcommand{      }{textsf}
1033 \eqcommand{      }{textsl}
1034 \eqcommand{      }{textstyle}
1035 \eqcommand{      }{textsuperscript}
1036 \eqcommand{      }{texttrademark}
1037 \eqcommand{      }{texttt}
1038 \eqcommand{      }{textup}
1039 \eqcommand{      }{textwidth}
1040 \eqcommand{      }{thanks}
1041 \eqcommand{      }{the}
1042 \eqcommand{      }{thempfn}
1043 \eqcommand{      }{thicklines}
1044 \eqcommand{      }{thickmuskip}
1045 \eqcommand{      }{thinmuskip}
1046 \eqcommand{      }{thickspace}
1047 \eqcommand{      }{thinlines}
1048 \eqcommand{      }{thinspace}

```



```

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

```




```

1103 \eqcommand{      }{usefont}
1104 \eqcommand{      }{usepackage}
1105 \eqcommand{@     }{@vobeyspaces}
1106 \eqcommand{@     }{@void}
1107 \eqcommand{      }{vadjust}
1108 \eqcommand{      }{valign}
1109 \eqcommand{      }{value}
1110 \eqcommand{      }{vbadness}
1111 \eqcommand{      }{vbox}
1112 \eqcommand{      }{vcenter}
1113 \eqcommand{      }{verb}
1114 \eqcommand{      }{vfil}
1115 \eqcommand{      }{vfill}
1116 \eqcommand{      }{vfilneg}
1117 \eqcommand{      }{vfuzz}
1118 \eqcommand{      }{visible}
1119 \eqcommand{      }{vline}
1120 \eqcommand{      }{voffset}
1121 \eqcommand{@     }{voidb@x}
1122 \eqcommand{      }{vpageref}
1123 \eqcommand{      }{vrbboxsep}
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 -\sist@n\relax
1819         \fi
1820     \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capytype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827 \end{float}
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{\hspace\@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\center
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 \hspace\@tempdima
1875 \textwidth\hspace \columnwidth\hspace
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
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
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@mbbox{\NAT@super@kern\NAT@@open}%
2279     \fi
2280     \if*#1*\else#1\NAT@spacechar\fi
2281     \NAT@mbbox{\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@mbbox{\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@swatrue
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{\@currentenv}{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{25.09.03}
3048 \def\xepersiandate{2025/09/03}
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   baselineskipscale .code:n = \def\xepersian@@@baselineskip@scale{#1}
3180 }
3181 \keys_define:nn { xepersian }
3182 {
3183   latinbaselineskipscale .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 * Discussions: https://github.com/xepersian/xepersian/discussions^^J%
3237 * ^^J%
3238 * Primary author of xepersian package: Vafa Khalighi.^^J%
3239 * ^^J%
3240 *****}
3241 \edef\xepersian@everyjob{\the\everyjob}
3242 \if\xepersian@banner
3243   \typeout{\@xepersian@info}
3244   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3245 \fi
3246 \RequirePackage{fontspec}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

3733 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3734 \loop
3735 \iffontchar\font\xepersian@tcl
3736 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3737 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3738 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3739 \fi
3740 \else
3741 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3742 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3743 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3744 \fi
3745 \fi
3746 \fi
3747 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3748 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3749 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3750 \fi
3751 \else
3752 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3753 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3754 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3755 \fi
3756 \fi
3757 \fi
3758 \fi
3759 \advance\xepersian@tcl\@ne
3760 \ifnum\xepersian@tcl<1792\repeat
3761 \advance\xepersian@strutilg\xepersian@ilg
3762 % \ifdim\xepersian@strutilg>\baselineskip
3763 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3764 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3765 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3766 % \selectfont
3767 % \fi
3768 }
3769
3770 \newif\if@@textdigitfont@on
3771
3772 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3773 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3774
3775 \TextDigitFontOn
3776
3777 \newcommand*\xepersian@setlength[4]{%
3778 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3779 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3780 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3781 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3782 \else
3783 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3784 \fi
3785 \else
3786 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi

```



```

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

```



```

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

```



```

3895 \edef\LARGE{%
3896   \noexpand\setfontsize\noexpand\LARGE
3897   {\the\@tempdima}{\the\@tempdimb}%
3898 }%
3899 \setlength{\@tempdima}{2.074\@tempdimc}%
3900 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3901 \edef\huge{%
3902   \noexpand\setfontsize\noexpand\huge
3903   {\the\@tempdima}{\the\@tempdimb}%
3904 }%
3905 \setlength{\@tempdima}{2.488\@tempdimc}%
3906 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3907 \edef\Huge{%
3908   \noexpand\setfontsize\noexpand\Huge
3909   {\the\@tempdima}{\the\@tempdimb}%
3910 }%
3911 \normalsize
3912   \setlength{\@tempdimb}{\f@baselineskip}%
3913   \xepersian@setlength{\parsep}%
3914     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3915   \xepersian@setlength{\topsep}%
3916     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3917 \@tempwafalse
3918 \begingroup
3919   \def\@list@extra{\aftergroup\@tempwatruer}%
3920   \csname @listi\endcsname
3921 \endgroup
3922 \edef\@listi{\leftmargin\leftmargini
3923   \topsep \the\topsep
3924   \parsep \the\parsep
3925   \itemsep \parsep
3926   \if@tempswa\noexpand\@list@extra\fi
3927 }%
3928 \let\@listI\@listi
3929   \xepersian@setlength{\parsep}%
3930     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3931   \xepersian@setlength{\topsep}%
3932     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3933 \@tempwafalse
3934 \begingroup
3935   \def\@list@extra{\aftergroup\@tempwatruer}%
3936   \csname @listi\endcsname
3937 \endgroup
3938 \edef\@listi@small{\leftmargin\leftmargini
3939   \topsep \the\topsep
3940   \parsep \the\parsep
3941   \itemsep \parsep
3942   \if@tempswa\noexpand\@list@extra\fi
3943 }%
3944   \xepersian@setlength{\parsep}%
3945     {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3946   \xepersian@setlength{\topsep}%
3947     {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3948 \@tempwafalse

```



```

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

```




```

4003   \csname @listv\endcsname
4004   \endgroup
4005   \edef\@listv{\leftmargin\leftmarginv
4006     \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4007     \if@tempswa\noexpand\@list@extra\fi
4008   }%
4009   \@tempswafalse
4010   \begingroup
4011     \def\@list@extra{\aftergroup\@tempwatruel}%
4012     \csname @listvi\endcsname
4013   \endgroup
4014   \edef\@listvi{\leftmargin\leftmarginvi
4015     \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4016     \if@tempswa\noexpand\@list@extra\fi
4017   }%
4018   \@listi
4019     \setlength{\@tempdimb}{\f@baselineskip}%
4020     \setlength{\footnotesep}{.555\@tempdimb}%
4021     \xepersian@setlength{\skip\footins}%
4022       {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
4023     \xepersian@setlength{\floatsep}%
4024       {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
4025     \xepersian@setlength{\textfloatsep}%
4026       {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
4027     \setlength{\intextsep}{\floatsep}%
4028     \setlength{\dblfloatsep}{\floatsep}%
4029     \setlength{\dbltextfloatsep}{\textfloatsep}%
4030     \setlength{\@fptop}{\z@ \@plus 1fil}%
4031     \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
4032     \setlength{\@fpbot}{\@fptop}%
4033     \setlength{\@dblfpsep}{\@fpsep}%
4034     \setlength{\@dblfpbot}{\@fpsep}%
4035     \setlength{\@dblfpbot}{\@fptop}%
4036     \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
4037 }
4038
4039 \renewcommand*{\@bidi@logo@}{%
4040   \@bidi@logo@hb@xt@columnwidth
4041   {\hss\bfseries
4042     {\today}   {\TypesetTime}
4043   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
4044
4045 \renewcommand*{\@bidi@pdfcreator}{%
4046   The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersian@version
4047 }
4048
4049 \newcommand*{\@xepersian@pdfcustomproperties}{%
4050   This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releasename), \xepersian@version
4051   Released September 3, 2025.
4052 }
4053
4054 \newcommand\twocolumnstableofcontents{%
4055   \if@bidi@csundef{multi@column@out}{%
4056     \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for

```




```

4111 \def\xepersian@numberstring#1#2#3#4{%
4112 \ifnum\number#1<\@ne%
4113 #3%
4114 \else\ifnum\number#1<100000000 %
4115 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
4116 \else%
4117 \xepersian@numberoutofrange{#1}{#4}%
4118 \fi\fi%
4119 }
4120 \def\xepersian@adadi#1#2{%
4121 \expandafter\xepersian@@adadi%
4122 \ifcase%
4123 \ifnum#1<10 1%
4124 \else\ifnum#1<100 2%
4125 \else\ifnum#1<\@m 3%
4126 \else\ifnum#1<\@M 4%
4127 \else\ifnum#1<100000 5%
4128 \else\ifnum#1<1000000 6%
4129 \else\ifnum#1<10000000 7%
4130 \else\ifnum#1<100000000 8%
4131 \else9%
4132 \fi\fi\fi\fi\fi\fi\fi\fi %
4133 \or00000000#1% case 1: Add 8 leading zeros
4134 \or0000000#1% case 2: Add 7 leading zeros
4135 \or000000#1% case 3: Add 6 leading zeros
4136 \or00000#1% case 4: Add 5 leading zeros
4137 \or0000#1% case 5: Add 4 leading zeros
4138 \or000#1% case 6: Add 3 leading zeros
4139 \or00#1% case 7: Add 2 leading zeros
4140 \or0#1% case 8: Add 1 leading zero
4141 \or#1% case 9: Add no leading zeros
4142 \or%
4143 \@nil#2%
4144 \fi%
4145 }
4146 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
4147 \ifnum#1#2#3>\z@
4148 \xepersian@milyoongan#1#2#3%
4149 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4150 \fi%
4151 \ifnum#4#5#6>\z@%
4152 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4153 \ifnum#4#5#6>\@ne\fi%
4154 %
4155 \ifnum#7>\z@\ \fi%
4156 \fi%
4157 \xepersian@sadgan#7{#4#5#6}#1#9%
4158 }
4159 \def\xepersian@milyoongan#1#2#3{%
4160 \ifnum#1#2#3=\@ne%
4161 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4162 %
4163 %
4164 \else%

```



```

4165 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4166 %
4167 %
4168 \fi%
4169 }
4170 \def\xepersian@sadgan#1#2#3#4#5#6{%
4171 \ifnum#1>\z@%
4172 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4173 %
4174 \ifnum#2#3>\z@ \fi%
4175 \fi%
4176 \ifnum#2#3<20%
4177 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4178 \else%
4179 \xepersian@dahgan#2%
4180 \ifnum#3>\z@ \xepersian@yekani#3\fi%
4181 #60%
4182 \fi%
4183 }
4184 \def\xepersian@yekani#1{%
4185 \ifcase#1\@empty\or\ or\ or\ or\ or\ or\ %
4186 \or\ or\ or\ or\ or\ or\ or\ %
4187 \or\ or\ or\ or\ %
4188 \or\ or\ %fi\
4189 }
4190 \def\xepersian@yekanii#1{%
4191 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4192 }
4193 \def\xepersian@yekanii#1{%
4194 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4195 }
4196 \def\xepersian@yekaniv#1{%
4197 \ifcase#1\@empty\or\or\ or\ or\ or\ %
4198 \or\ or\ or\ %fi\
4199 }
4200 \def\xepersian@dahgan#1{%
4201 \ifcase#1\or\or\ or\ or\ %
4202 \or\ or\ or\ or\ %
4203 \or %fi\
4204 }
4205 \newcommand{\tartibi}[1]{%
4206 \expandafter\@tartibi\csname c@#1\endcsname%
4207 }
4208 \newcommand{\@tartibi}[1]{%
4209 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4210 }
4211 \let\tartibinumeral\@tartibi%
4212 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4213 \ifnum\number#1<\@ne%
4214 #3%
4215 \else\ifnum\number#1<1000000000 %
4216 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4217 \else%
4218 \xepersian@numberoutofrange{#1}{#4}%

```



```

4219 \fi\fi%
4220 }
4221 \def\xepersian@adadi@tartibi#1#2{%
4222 \expandafter\xepersian@@adadi@tartibi%
4223 \ifcase%
4224 \ifnum#1<10 1%
4225 \else\ifnum#1<100 2%
4226 \else\ifnum#1<\@m 3%
4227 \else\ifnum#1<\@M 4%
4228 \else\ifnum#1<100000 5%
4229 \else\ifnum#1<1000000 6%
4230 \else\ifnum#1<10000000 7%
4231 \else\ifnum#1<100000000 8%
4232 \else9%
4233 \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi %
4234 \or00000000#1% case 1: Add 8 leading zeros
4235 \or0000000#1% case 2: Add 7 leading zeros
4236 \or000000#1% case 3: Add 6 leading zeros
4237 \or00000#1% case 4: Add 5 leading zeros
4238 \or0000#1% case 5: Add 4 leading zeros
4239 \or000#1% case 6: Add 3 leading zeros
4240 \or00#1% case 7: Add 2 leading zeros
4241 \or0#1% case 8: Add 1 leading zero
4242 \or#1% case 9: Add no leading zeros
4243 \or%
4244 \@nil#2%
4245 \fi%
4246 }
4247 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4248 \ifnum#1#2#3>\z@
4249 \xepersian@milyoongan@tartibi#1#2#3%
4250 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4251 \fi%
4252 \ifnum#4#5#6>\z@%
4253 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4254 \ifnum#4#5#6>\@ne \fi%
4255 %
4256 \ifnum#7>\z@\ \fi%
4257 \fi%
4258 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4259 }
4260 \def\xepersian@milyoongan@tartibi#1#2#3{%
4261 \ifnum#1#2#3=\@ne%
4262 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4263 %
4264 %
4265 \else%
4266 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4267 %
4268 %
4269 \fi%
4270 }
4271 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4272 \ifnum#1>\z@%

```



```

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

```



```

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

```



```

4381  boek3, %
4382  book, %
4383  bookest, %
4384  extbook, %
4385  extarticle, %
4386  extreport, %
4387  imsproc, %
4388  memoir, %
4389  rapport1, %
4390  rapport3, %
4391  refrep, %
4392  report, %
4393  scrartcl, %
4394  scrbook, %
4395  scrreprt %
4396 }[xepersian]
4397
4398 \ApplyPatchToPackages{%
4399  algorithm, %
4400  algorithmic, %
4401  appendix, %
4402  backref, %
4403  beamerbasetranslator, %
4404  bidentesidenote, %
4405  breqn, %
4406  enumerate, %
4407  enumitem, %
4408  fancyref, %
4409  framed, %
4410  glossaries, %
4411  hyperref, %
4412  listings, %
4413  minitoc, %
4414  natbib, %
4415  soul, %
4416  tkz-linknodes, %
4417  tocloft, %
4418  url, %
4419  varioref %
4420 }[xepersian]
4421
4422 \newtoks\xepersian@toks
4423 \def\xepersian@tempa#1{%
4424 \long\def\xepersian@sp@def##1##2{%
4425 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4426 \long\def\xepersian@sp@d{%
4427 \ifx\xepersian@resa\@sptoken
4428 \expandafter\xepersian@@sp@b
4429 \else
4430 \expandafter\xepersian@@sp@b\expandafter#1%
4431 \fi}%
4432 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4433 }
4434 \xepersian@tempa{ }

```




```

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

```



```

4489 \xepersian@computeautoilg
4490 \ifdim\xepersian@strutilg>\baselineskip
4491 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4492 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4493 \baselineskip\xepersian@strutilg
4494 \ifdim\footnotesep=.7\baselineskip
4495 \else
4496 \footnotesep.7\baselineskip
4497 \fi
4498 \fi
4499 }{}{}
4500 \fi
4501
4502 \AtEndOfPackage{%
4503 \setlatintextfont[%
4504 Path,%
4505 BoldFont={lmroman10-bold},%
4506 BoldItalicFont={lmroman10-bolditalic},%
4507 ItalicFont={lmroman10-italic},%
4508 SmallCapsFont={lmromancaps10-regular},%
4509 SlantedFont={lmromanslant10-regular},%
4510 BoldSlantedFont={lmromanslant10-bold}%
4511 ]{lmroman10-regular}
4512 }
4513 \PersianAlphs

```

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```

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

```



```

4540 \newcount\xepersian@gridcolumns
4541 \xepersian@gridrows=40
4542 \xepersian@gridcolumns=50
4543 \newcount\minraggedcols
4544 \minraggedcols=5
4545 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4546 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4547 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4548 \DeclareOption{twocolumn}%
4549 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4550 \DeclareOption{notitlepage}%
4551 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4552 \DeclareOption{twoside}%
4553 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4554 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4555 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4556 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4557 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4558 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4559 \ProcessOptions\relax
4560 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4561 \RequirePackage{ifxetex}
4562 \RequirePackage{multido}
4563 \RequirePackage{datetime}
4564 \RequirePackage{multicol}
4565 \RequirePackage{fancyhdr}
4566 \RequirePackage{fancybox}
4567 \ifthenelse{\boolean{xepersian@a3paper}}{%
4568 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4569 }{
4570 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4571 }
4572 \RequirePackage[absolute]{textpos} % absolute positioning
4573 \RequirePackage{hyphenat} % when hyphenate
4574 \RequirePackage{lastpage} % to know the last page number
4575 \RequirePackage{setspace} % set space between lines
4576 \RequirePackage{ragged2e}
4577 \newcommand{\raggedFormat}{\RaggedLeft}
4578 \AtEndOfClass{\xepersianInit}
4579 \ifthenelse{\boolean{xepersian@showgrid}}{%
4580 \AtBeginDocument{
4581 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4582 \advance\minraggedcols by -1
4583 }{%
4584 \AtBeginDocument{
4585 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4586 \advance\minraggedcols by -1
4587 }
4588 \ifthenelse{\boolean{xepersian@ninepoints}}{
4589 \renewcommand{\normalsize}{%
4590 \setfontsize{\normalsize}{9pt}{10pt}%
4591 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4592 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4593 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

5350 }
5351 \newcommand{\xepersian@shortarticleTit}[2]{
5352 \begin{center}
5353 \vbox{%
5354 \noindent
5355 \xepersian@shortarticleTitle{#1}
5356 \vspace{4pt plus 2pt minus 2pt}
5357 \hrule
5358 \vspace{4pt plus 2pt minus 2pt}
5359 \xepersian@shortarticleSubtitle{#2}
5360 }
5361 \end{center}
5362 }
5363 \newenvironment{shortarticle}[4]
5364 {
5365 \xepersian@say{Adding a short article block}
5366 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5367 \label{#4}
5368 \par %
5369 \ifnum #1 > \minraggedcols
5370 \raggedFormat
5371 \fi
5372 }
5373 {
5374 \end{multicols}
5375 }
5376 \newcommand{\shortarticleitem}[2]{
5377 \goodbreak
5378 \vspace{5pt plus 3pt minus 3pt}
5379 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5380 \vspace{5pt plus 3pt minus 3pt}
5381 {\noindent #2}\
5382 }

```

63 File unicode-persianmath.sty

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

5617 \tl_set_eq:NN \mathrm \new@mathrm
5618 }
5619 }
5620
5621 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5622
5623 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5624 {
5625 \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5626 }
5627 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5628 {
5629 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {#1} {#2}
5630 \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5631 \DeclareSymbolFont{persianoperatorssf}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfdigitfont}
5632 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5633 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5634 }
5635
5636 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5637
5638 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5639 {
5640 \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5641 }
5642 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5643 {
5644 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {#1} {#2}
5645 \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5646 \DeclareSymbolFont{persianoperatorstt}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdigitfont}
5647 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5648 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5649 }
5650
5651 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5652
5653 \ExplSyntaxOff
5654 \mathchardef\decimalseparator@point="013A
5655 %f%
5656 % \catcode`\.=\active
5657 % \gdef.{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}
5658 \bgroup
5659 \uccode`~`.\.%
5660 \uppercasef%
5661 \egroup
5662 \def~}{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}
5663 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}
5664 \def\decimalseparator@check#1#2f%
5665 \ifx\@let@decimalsep@token1\endgroup#1\else
5666 \ifx\@let@decimalsep@token2\endgroup#1\else
5667 \ifx\@let@decimalsep@token3\endgroup#1\else
5668 \ifx\@let@decimalsep@token4\endgroup#1\else
5669 \ifx\@let@decimalsep@token5\endgroup#1\else
5670 \ifx\@let@decimalsep@token6\endgroup#1\else

```



```

5671         \ifx\@let@decimalsep@token7\endgroup#1\else
5672         \ifx\@let@decimalsep@token8\endgroup#1\else
5673         \ifx\@let@decimalsep@token9\endgroup#1\else
5674         \ifx\@let@decimalsep@token0\endgroup#1\else
5675         \ifx\@let@decimalsep@token\dot\endgroup#1\else
5676         \ifx\@let@decimalsep@token\overline\endgroup#1\else
5677         \endgroup#2%
5678         \fi
5679         \fi
5680         \fi
5681         \fi
5682         \fi
5683         \fi
5684         \fi
5685         \fi
5686         \fi
5687         \fi
5688         \fi
5689     \fi}
5690 \AtBeginDocument{\mathcode`.="8000\relax}
5691 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalseparator}
5692 \def\DefaultMathDecimalSeparator{.}
5693 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5694 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5695 \def\DefaultMathDigits{%
5696     \DefaultInlineMathDigits%
5697     \DefaultDisplayMathDigits%
5698 }
5699 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5700 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5701 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5702 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5703 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5704 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5705 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5706 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5707 \def\PersianMathDigits{%
5708     \PersianInlineMathDigits%
5709     \PersianDisplayMathDigits%
5710 }
5711 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5712 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5713 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5714 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5715 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5716 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5717 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5718 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5719 \def\AutoMathDigits{%
5720     \AutoInlineMathDigits%
5721     \AutoDisplayMathDigits%
5722 }
5723 \AutoMathDigits
5724 \everymath\expandafter{\the\everymath\SetInlineMathDigits%

```




```

5725 \let\SetDisplayMathDigits\relax%
5726 }
5727 \everydisplay\expandafter{%
5728 \the\everydisplay\SetDisplayMathDigits%
5729 \let\SetInlineMathDigits\relax%
5730 }
5731
5732 \ExplSyntaxOn
5733 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5734
5735 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5736 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5737 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5738 }
5739 \SetMathCode{`}%}{\mathord}{operators}{`}%}
5740 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5741 \tl_set_eq:NN \mathbf \orig_mathbf:n
5742 \tl_set_eq:NN \mathit \orig_mathit:n
5743 \tl_set_eq:NN \mathrm \orig_mathrm:n
5744 \tl_set_eq:NN \mathsf \orig_mathsf:n
5745 \tl_set_eq:NN \mathtt \orig_mathtt:n
5746 }
5747
5748 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5749 \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5750 \SetMathCode{`}%}{\mathord}{persianoperators}{` }
5751 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5752 \tl_set_eq:NN \mathbf \new@mathbf
5753 \tl_set_eq:NN \mathit \new@mathit
5754 \tl_set_eq:NN \mathrm \new@mathrm
5755 \tl_set_eq:NN \mathsf \new@mathsf
5756 \tl_set_eq:NN \mathtt \new@mathtt
5757 }
5758 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

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

```



```

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

```



```

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

```



```

5884 \let\old@endquestion\endquestion
5885 \renewenvironment{question}[1]{%
5886   %% \begin{question}
5887   \vspace{@questionsepspace}
5888   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5889   \nopagebreak\vspace{questiontitlespace}\par
5890   \old@question{#1}}{%
5891   %% \end{question}
5892   \old@endquestion
5893   \gdef\@questionsepspace{\questionsepspace}}
5894   \questiontitle{ \thequestion:}
5895 \ProcessOptions

```

65 File xepersian-persiancal.sty

```

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

```



```

5935 \divide\XePersian@temp by 2\relax
5936 \ifodd\XePersian@temp\XePersian@leapfalse
5937 \else
5938 \ifnum\XePersian@yModHundred=0%
5939 \XePersian@temp=\XePersian@y
5940 \divide\XePersian@temp by 400\relax
5941 \multiply\XePersian@temp by 400\relax
5942 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5943 \else\XePersian@leaptrue
5944 \fi
5945 \fi
5946 \fi
5947 \XePersian@latini=31\relax
5948 \ifXePersian@leap
5949 \XePersian@latinii = 29\relax
5950 \else
5951 \XePersian@latinii = 28\relax
5952 \fi
5953 \XePersian@latiniii = 31\relax
5954 \XePersian@latiniv = 30\relax
5955 \XePersian@latinv = 31\relax
5956 \XePersian@latinvi = 30\relax
5957 \XePersian@latinvii = 31\relax
5958 \XePersian@latinviii = 31\relax
5959 \XePersian@latinix = 30\relax
5960 \XePersian@latinx = 31\relax
5961 \XePersian@latinxi = 30\relax
5962 \XePersian@latinxii = 31\relax
5963 \XePersian@thirtytwo=32\relax
5964 \XePersian@temp=\XePersian@y
5965 \advance\XePersian@temp by -17\relax
5966 \XePersian@temptwo=\XePersian@temp
5967 \divide\XePersian@temptwo by 33\relax
5968 \multiply\XePersian@temptwo by 33\relax
5969 \advance\XePersian@temp by -\XePersian@temptwo
5970 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5971 \else
5972 \XePersian@temptwo=\XePersian@temp
5973 \divide\XePersian@temptwo by 4\relax
5974 \multiply\XePersian@temptwo by 4\relax
5975 \advance\XePersian@temp by -\XePersian@temptwo
5976 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5977 \fi
5978 \XePersian@tempthree=\XePersian@y % Number of Leap years
5979 \advance\XePersian@tempthree by -1
5980 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5981 \divide\XePersian@temp by 4\relax
5982 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5983 \divide\XePersian@temptwo by 100\relax
5984 \advance\XePersian@temp by -\XePersian@temptwo
5985 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5986 \divide\XePersian@temptwo by 400\relax
5987 \advance\XePersian@temp by \XePersian@temptwo
5988 \advance\XePersian@tempthree by -611 % Number of Kabise years

```



```

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

```



```

6043 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6044 \advance \XePersian@y by -621\relax
6045 \fi
6046 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
6047 \endcsname
6048 \ifnum\XePersian@i = 1
6049 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
6050 \else
6051 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6052 \fi
6053 \newcommand*\persiantoday}{%
6054 \number\XePersian@d\space%
6055 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
6056 }
6057 \let\persianyear\XePersian@y
6058 \let\persianmonth\XePersian@m
6059 \let\persianday\XePersian@d
6060 \def\XePersian@persian@month#1{\ifcase#1\or or\
6061 or\
6062 or\ or\
6063 or\
6064 or\ or\
6065 or\ or\
6066 or\ or\
6067 \fi\
6068
6069 \newcommand*\persianseason}{%
6070 \ifcase\persianmonth\or
6071 or\ or\ or\ or\ or\ or\
6072 or\ or\ or\ or\ or\ fi\
6073 }

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