



# The XePersian *Package*

Source documentation for [version 25.6](#)

to my Master, **Ferdowsi The Great**

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

<https://github.com/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:

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

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

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# The XePersian *Package*

## Persian for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, using XeT<sub>E</sub>X engine

Source documentation for [version 25.6](#)

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## 1 File algorithmic-xepersian.def

```

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

```

## 2 File algorithm-xepersian.def

```

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

```

## 3 File amsart-xepersian.def

```

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

```

## 4 File amsbook-xepersian.def

```

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

```



```

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

```

## 5 File appendix-xepersian.def

```

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

```

## 6 File article-xepersian.def

```

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

```

## 7 File artikel1-xepersian.def

```

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

```

## 8 File artikel2-xepersian.def

```

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

```

## 9 File artikel3-xepersian.def



```

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

```

## 10 File backref-xepersian.def

```

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

```

## 11 File beamer-xepersian.def

```

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

```

## 12 File beamerbasetranslator-xepersian.def

```

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

```



```

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

```

### 13 File bidityftesidenote-xepersian.def

```

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

```

### 14 File bidimoderncv-xepersian.def

```

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

```

### 15 File boek3-xepersian.def

```

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

```

### 16 File boek-xepersian.def

```

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

```



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

## 17 File bookest-xepersian.def

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

## 18 File book-xepersian.def

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

## 19 File breqn-xepersian.def

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



```

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

```

## 20 File latex-localise-commands-xepersian.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 21 File color-localise-xepersian.def

```

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

```



```

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

```

## 22 File xepersian-localise-commands-xepersian.def

```

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

```





```

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

```

## 26 File xepersian-localise-environments-xepersian.def

```

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

```



## 27 File extarticle-xepersian.def

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

## 28 File extbook-xepersian.def

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

## 29 File extrafootnotefeatures-xepersian.def

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

## 30 File extreport-xepersian.def

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

## 31 File fancyref-xepersian.def

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



```

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

```



```

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

```



```

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

```

## 32 File footnote-xepersian.def

```

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

```

## 33 File framed-xepersian.def





```

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

```

## 34 File glossaries-xepersian.def

```

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

```

## 35 File hyperref-xepersian.def

```

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

```



```

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

```

## 36 File `imsproc-xepersian.def`

```

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

```

## 37 File `kashida-xepersian.def`

```

1567 \ProvidesFile{kashida-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for xepersian]
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\f@ur
1584 \the\XeTeXcharglyph\xepersian@kashidachar
1585 \hskipOpt 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 = \theclass
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-xepersian.def

```

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

```

### 39 File loadingorder-xepersian.def

```

1625 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the 1
1626 \bidi@isloaded{algorithmic}
1627 \bidi@isloaded{algorithm}
1628 \bidi@isloaded{backref}
1629 \bidi@isloaded{enumerate}
1630 \bidi@isloaded{enumitem}
1631 \bidi@isloaded{fancyref}
1632 \bidi@isloaded{tocloft}
1633 \bidi@isloaded{url}
1634 \bidi@isloaded{varioref}
1635 \AtBeginDocument{
1636 \if@bidi@algorithmicloaded@else
1637 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after x
1638 \fi%

```



```

1639 \if@bidi@algorithmloaded@\else
1640 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1641 \fi%
1642 \if@bidi@backrefloaded@\else
1643 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1644 \fi%
1645 \if@bidi@enumerateloaded@\else
1646 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1647 \fi%
1648 \if@bidi@enumitemloaded@\else
1649 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1650 \fi%
1651 \if@bidi@fancyrefloaded@\else
1652 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1653 \fi%
1654 \if@bidi@tocloftloaded@\else
1655 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1656 \fi%
1657 \if@bidi@urlloaded@\else
1658 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1659 \fi%
1660 \if@bidi@variorefloaded@\else
1661 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1662 \fi%
1663 }

```

## 40 File localise-xepersian.def

```

1664 \ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
1665 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1666 \makezwnjletter
1667 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1668 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1669 \if@bidi@csdef{verbatim@}{\let\verbatim@xepersian@localize@verbatim@}{\csname#2\endcsname}}{\csname#2\endcsname}}
1670 \newcommand*{\EqEnvironment}[2]{%
1671 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1672 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1673 }
1674 \ifpackageloaded{keyval}{%
1675 \newcommand*\keyval@eq@alias@key[4][KV]{%
1676 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1677 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1678 }{\ifpackageloaded{xkeyval}{%
1679 \newcommand*\keyval@eq@alias@key[4][KV]{%
1680 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1681 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1682 }{}}
1683 \input{latex-localise-commands-xepersian.def}
1684 \input{xepersian-localise-commands-xepersian.def}
1685 \input{latex-localise-environments-xepersian.def}
1686 \input{xepersian-localise-environments-xepersian.def}
1687 \input{latex-localise-messages-xepersian.def}
1688 \input{latex-localise-misc-xepersian.def}
1689 \input{packages-localise-xepersian.def}

```



```

1690 \aliasfontfeature{ExternalLocation}{    }
1691 \aliasfontfeature{Path}{    }
1692 \aliasfontfeature{Renderer}{    }
1693 \aliasfontfeature{BoldFont}{    }
1694 \aliasfontfeature{Language}{    }
1695 \aliasfontfeature{Script}{    }
1696 \aliasfontfeature{UprightFont}{    }
1697 \aliasfontfeature{ItalicFont}{    }
1698 \aliasfontfeature{BoldItalicFont}{    }
1699 \aliasfontfeature{SlantedFont}{    }
1700 \aliasfontfeature{BoldSlantedFont}{    }
1701 \aliasfontfeature{SmallCapsFont}{    }
1702 \aliasfontfeature{UprightFeatures}{    }
1703 \aliasfontfeature{BoldFeatures}{    }
1704 \aliasfontfeature{ItalicFeatures}{    }
1705 \aliasfontfeature{BoldItalicFeatures}{    }
1706 \aliasfontfeature{SlantedFeatures}{    }
1707 \aliasfontfeature{BoldSlantedFeatures}{    }
1708 \aliasfontfeature{SmallCapsFeatures}{    }
1709 \aliasfontfeature{SizeFeatures}{    }
1710 \aliasfontfeature{Scale}{    }
1711 \aliasfontfeature{WordSpace}{    }
1712 \aliasfontfeature{PunctuationSpace}{    }
1713 \aliasfontfeature{FontAdjustment}{    }
1714 \aliasfontfeature{LetterSpace}{    }
1715 \aliasfontfeature{HyphenChar}{    }
1716 \aliasfontfeature{Color}{    }
1717 \aliasfontfeature{Opacity}{    }
1718 \aliasfontfeature{Mapping}{    }
1719 \aliasfontfeature{Weight}{    }
1720 \aliasfontfeature{Width}{    }
1721 \aliasfontfeature{OpticalSize}{    }
1722 \aliasfontfeature{FakeSlant}{    }
1723 \aliasfontfeature{FakeStretch}{    }
1724 \aliasfontfeature{FakeBold}{    }
1725 \aliasfontfeature{AutoFakeSlant}{    }
1726 \aliasfontfeature{AutoFakeBold}{    }
1727 \aliasfontfeature{Ligatures}{    }
1728 \aliasfontfeature{Alternate}{    }
1729 \aliasfontfeature{Variant}{    }
1730 \aliasfontfeature{Variant}{    }
1731 \aliasfontfeature{CharacterVariant}{    }
1732 \aliasfontfeature{Style}{    }
1733 \aliasfontfeature{Annotation}{    }
1734 \aliasfontfeature{RawFeature}{    }
1735 \aliasfontfeature{CharacterWidth}{    }
1736 \aliasfontfeature{Numbers}{    }
1737 \aliasfontfeature{Contextuals}{    }
1738 \aliasfontfeature{Diacritics}{    }
1739 \aliasfontfeature{Letters}{    }
1740 \aliasfontfeature{Kerning}{    }
1741 \aliasfontfeature{VerticalPosition}{    }
1742 \aliasfontfeature{Fractions}{    }
1743 \aliasfontfeatureoption{Language}{Default}{    }

```



```

1744 \aliasfontfeatureoption{Language}{Persian}{ }
1745 \aliasfontfeatureoption{Script}{Persian}{ }
1746 \aliasfontfeatureoption{Script}{Latin}{ }
1747 \aliasfontfeatureoption{Style}{MathScript}{ }
1748 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 41 File memoir-xepersian.def

```

1749 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1750 \renewcommand{\@memfront}{%
1751   \@smemfront\pagenumbering{harfi}}
1752 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1753 \renewcommand*{\thebook}{\@tartibi\c@book}
1754 \renewcommand*{\thepart}{\@tartibi\c@part}
1755 \renewcommand{\appendix}{\par
1756   \setcounter{chapter}{0}%
1757   \setcounter{section}{0}%
1758   \gdef\@chapapp{\appendixname}%
1759   \gdef\thechapter{\@harfi\c@chapter}%
1760   \anappendixtrue}

```

## 42 File latex-localise-messages-xepersian.def

```

1761 latex} \-localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages]

```

## 43 File minitoc-xepersian.def

```

1762 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1763 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1764 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1765 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1766 \def\mtctitle{\if@RTL else\ Contents\fi}%
1767 \def\mlftitle{\if@RTL else\ Figures\fi}%
1768 \def\mltttitle{\if@RTL else\ Tables\fi}%
1769 \def\stctitle{\if@RTL else\ Contents\fi}%
1770 \def\slftitle{\if@RTL else\ Figures\fi}%
1771 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

## 44 File latex-localise-misc-xepersian.def

```

1772 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
1773 %}1# \ \
1774 \@ \ @ \ \
1775 \1# \
1776 \1# @\
1777 \1# @\
1778 { @ \ \
1779 %}2#1# @\ \
1780 %1# \ @\ \ \ \
1781 \2# \ @\ \
1782 {{2#1# \}}
1783 undefined\ \ \
1784
1785 %{\ \ \ \ \1#} \ \} \1# \ \

```



```

1786 \ { \ \ \
1787 \ \ \
1788
1789
1790 \ \ \ %} \#1
1791 \1#} \ \ % \
1792 \ \ \ \
1793 }%
1794 \
1795 \ \ \
1796 }
1797 \= \ \
1798
1799
1800 \ifdefinitionfileloaded{latex-xetex-bidi}{%
1801 \def\@xfloat #1[#2]{%
1802 \@nodocument
1803 \def \@capytype {#1}%
1804 \def \@fps {#2}%
1805 \@onelevel@sanitize \@fps
1806 \def \reserved@a {!}%
1807 \ifx \reserved@a \@fps
1808 \@fpsadddefault
1809 \else
1810 \ifx \@fps \@empty
1811 \@fpsadddefault
1812 \fi
1813 \fi
1814 \ifhmode
1815 \@bsphack
1816 \@floatpenalty -\@Mii
1817 \else
1818 \@floatpenalty-\@Miii
1819 \fi
1820 \ifinner
1821 \@parmoderr\@floatpenalty\z@
1822 \else
1823 \@next\@currbox\@freelist
1824 {%
1825 \@tempcnta \sixt@@n
1826 \expandafter \@tfor \expandafter \reserved@a
1827 \expandafter :\expandafter =\@fps
1828 \do
1829 {%
1830 \if \reserved@a h%
1831 \ifodd \@tempcnta
1832 \else
1833 \advance \@tempcnta \@ne
1834 \fi
1835 \fi
1836 \if \reserved@a %
1837 \ifodd \@tempcnta
1838 \else
1839 \advance \@tempcnta \@ne

```



```

1840         \fi
1841     \fi
1842     \if \reserved@a t%
1843         \@setfpsbit \tw@
1844     \fi
1845     \if \reserved@a %
1846         \@setfpsbit \tw@
1847     \fi
1848     \if \reserved@a b%
1849         \@setfpsbit 4%
1850     \fi
1851     \if \reserved@a %
1852         \@setfpsbit 4%
1853     \fi
1854     \if \reserved@a p%
1855         \@setfpsbit 8%
1856     \fi
1857     \if \reserved@a %
1858         \@setfpsbit 8%
1859     \fi
1860     \if \reserved@a !%
1861         \ifnum \@tempcnta>15
1862             \advance\@tempcnta -\sixt@@n\relax
1863         \fi
1864     \fi
1865     }%
1866     \@tempcntb \csname ftype@\@capttype \endcsname
1867     \multiply \@tempcntb \@xxxii
1868     \advance \@tempcnta \@tempcntb
1869     \global \count\@currbox \@tempcnta
1870     }%
1871     \@fltovf
1872 \fi
1873 \global \setbox\@currbox
1874     \color@vbox
1875     \normalcolor
1876     \vbox \bgroup
1877         \hsize\columnwidth
1878         \@parboxrestore
1879     \@floatboxreset
1880 }
1881 \let\bm@ \bm@c
1882 \let\bm@ \bm@l
1883 \let\bm@ \bm@r
1884 \let\bm@ \bm@b
1885 \let\bm@ \bm@t
1886 \let\bm@ \bm@s
1887 \long\def\@iiiiparbox#1#2[#3]#4#5{%
1888     \leavevmode
1889     \@pboxswfalse
1890     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1891     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1892     \setlength\@tempdima{#4}%
1893     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%

```





```

1894 \ifx\relax#2\else
1895 \setlength\@tempdimb{#2}%
1896 \edef\@parboxto{to\the\@tempdimb}%
1897 \fi
1898 \if#1b\vbox
1899 \else\if#1\vbox
1900 \else\if #1t\top
1901 \else\if vtop\ #1
1902 \else\ifmode\vcenter
1903 \else\@pboxswtrue $\vcenter
1904 \fi\fi\fi\fi\fi
1905 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1906 \csname bm@#3\endcsname}%
1907 \if@pboxsw \m@th$\fi
1908 \@end@tempboxa}
1909 \def\@iiiminipage#1#2[#3]#4{%
1910 \leavevmode
1911 \@pboxswfalse
1912 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1913 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1914 \setlength\@tempdima{#4}%
1915 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1916 \setbox\@tempboxa\vbox\bgroup
1917 \color@begingroup
1918 \hsize\@tempdima
1919 \textwidth\hsize \columnwidth\hsize
1920 \@parboxrestore
1921 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1922 \let\@footnotetext\@mpfootnotetext
1923 \let\@LTRfootnotetext\@mpLTRfootnotetext
1924 \let\@RTLfootnotetext\@mpRTLfootnotetext
1925 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1926 \@minipagerestore
1927 \@setminipage}
1928 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1929 \ifnum \@lastchclass=3 5 \else
1930 \z@ \if #1c\@chnum \z@ \else
1931 \if chnum@\ #1 \z@ \else
1932 \if \ifRTLtab#1r\else#1l\fi\@chnum \@one \else
1933 \if \ifRTLtab#1 \else#1 \fi\@chnum \@one \else
1934 \if \ifRTLtab#1l\else#1r\fi\@chnum \tw@ \else
1935 \if \ifRTLtab#1 \else#1 \fi\@chnum \tw@ \else
1936 \@chclass \if #1\@one \else
1937 \if #1@\tw@ \else
1938 \if #1p3 \else
1939 \if 3 #1 \else \z@ \@preamerr 0\fi
1940 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1941 \fi}%
1942 }{}
1943 \ifdefinitionfileloaded{array-xetex-bidi}{%
1944 \def\@testpach{\@chclass
1945 \ifnum \@lastchclass=6 \@one \@chnum \@one \else
1946 \ifnum \@lastchclass=7 5 \else
1947 \ifnum \@lastchclass=8 \tw@ \else

```



```

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

```



```

2002 \@chnum
2003 \if \@nextchar m\thr@@\else
2004 \if \@nextchar thr@@\else\
2005 \if \@nextchar p4 \else
2006 \if \@nextchar 4 \else
2007 \if \@nextchar b5 \else
2008 \if \@nextchar 5 \else
2009 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2010 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2011
2012 \def\@classz{\@classx
2013 \@tempcnta \count@
2014 \prepnext@tok
2015 \@addtopreamble{\ifcase \@chnum
2016 \hfil
2017 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2018 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2019 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
2020 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2021 \adl@endmbox\or
2022 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2023 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2024 \fi}\prepnext@tok}
2025 \def\adl@class@start{4}
2026 \def\adl@class@iiiorvii{7}
2027
2028 \else
2029 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2030 \ifnum \@lastchclass=\thr@@ 5\relax \else
2031 \z@ \if #1c\@chnum \z@ \else
2032 \if @chnum\z@ \#1 \else
2033 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2034 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2035 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2036 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2037 \@chclass
2038 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2039 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2040 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2041 \if #1@\tw@ \else
2042 \if #1p\thr@@ \else
2043 \if @thr\ #1 \else\z@ \@preamerr 0\fi
2044 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2045
2046 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2047 \or \or \@addamp \or
2048 \@acolampacol \or \@firstampfalse \@acol \fi
2049 \edef\@preamble{\@preamble
2050 \ifcase \@chnum
2051 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2052 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2053 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2054 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2055 \or \or \@addamp \or

```



[illegible]

```

2110 \def\@float@HH#1[H]{%
2111 \expandafter\let\csname end#1\endcsname\float@endH
2112 \let\@currbox\float@box
2113 \def\@capttype{#1}\setbox\@floatcapt=\vbox{%
2114 \expandafter\ifx\csname fst@#1\endcsname\relax
2115 \@flstylefalse\else\@flstyletrue\fi
2116 \setbox\@currbox\color@vbox\normalcolor
2117 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2118 \@floatboxreset \@setnobreak
2119 \ignorespaces}
2120 \def\@float@[ ]1# {%
2121 \expandafter\let\csname end#1\endcsname\float@endH
2122 \let\@currbox\float@box
2123 \def\@capttype{#1}\setbox\@floatcapt=\vbox{%
2124 \expandafter\ifx\csname fst@#1\endcsname\relax
2125 \@flstylefalse\else\@flstyletrue\fi
2126 \setbox\@currbox\color@vbox\normalcolor
2127 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2128 \@floatboxreset \@setnobreak
2129 \ignorespaces}
2130 }{}
2131 \begingroup \catcode `|=0 \catcode `|=1
2132 \catcode`=2 \catcode `|=12 \catcode `|=12
2133 \catcode`\=12 \gdef\@x@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2134 \gdef\@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2135 \endgroup
2136 \def\@frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2137 \def\endlist\leavevmode\fi\endtrivlist}
2138 \ExplSyntaxOn
2139 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2140 \ExplSyntaxOff
2141 \expandafter\let\csname end * \endcsname =\end

```

## 45 File natbib-xepersian.def

```

2142 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2143 \renewcommand\NAT@set@cites{%
2144 \ifNAT@numbers
2145 \ifNAT@super \let\@cite\NAT@citesuper
2146 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2147 \let\citeyearpar=\citeyear
2148 \let\NAT@space\relax
2149 \def\NAT@super@kern{\kern\p@}%
2150 \else
2151 \let\NAT@mbox=\mbox
2152 \let\@cite\NAT@citenum
2153 \let\NAT@space\NAT@spacechar
2154 \let\NAT@super@kern\relax
2155 \fi
2156 \let\@citex\NAT@citexnum
2157 \let\@Latincitex\NAT@Latin@citexnum
2158 \let\@biblabel\NAT@biblabelnum
2159 \let\@bibsetup\NAT@bibsetnum
2160 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%

```



```

2161 \def\natexlab##1{%
2162 \def\NAT@penalty{\penalty\@m}%
2163 \else
2164 \let\@cite\NAT@cite
2165 \let\@citex\NAT@citex
2166 \let\@Latincitex\NAT@Latin@citex
2167 \let\@biblabel\NAT@biblabel
2168 \let\@bibsetup\NAT@bibsetup
2169 \let\NAT@space\NAT@spacechar
2170 \let\NAT@penalty\@empty
2171 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2172 \def\natexlab##1{##1}%
2173 \fi}
2174 \newcommand\NAT@Latin@citex{}
2175 \def\NAT@Latin@citex%
2176 [#1][#2]#3{%
2177 \NAT@reset@parser
2178 \NAT@sort@cites{#3}%
2179 \NAT@reset@citea
2180 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2181 \@for\@citeb:=\NAT@cite@list\do
2182 {\@safe@activetrue
2183 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2184 \@safe@activesfalse
2185 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2186 {\reset@font\bfseries ?}\NAT@citeundefined
2187 \PackageWarning{natbib}%
2188 {Citation `@\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2189 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2190 \NAT@parse{\@citeb}}%
2191 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2192 \let\NAT@name=\NAT@all@names
2193 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2194 \fi
2195 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2196 \let\NAT@nm\NAT@name\fi
2197 \ifNAT@swa\ifcase\NAT@ctype
2198 \if\relax\NAT@date\relax
2199 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2200 \else
2201 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2202 \ifx\NAT@last@yr\NAT@year
2203 \def\NAT@temp{?}%
2204 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2205 {Multiple citation on page \thepage: same authors and
2206 year\MessageBreak without distinguishing extra
2207 letter,\MessageBreak appears as question mark}\fi
2208 \NAT@hyper@{\NAT@exlab}%
2209 \else\unskip\NAT@spacechar
2210 \NAT@hyper@{\NAT@date}%
2211 \fi
2212 \else
2213 \@citea\NAT@hyper@{%
2214 \NAT@nmfmt{\NAT@nm}%

```



```

2215         \hyper@natlinkbreak{%
2216             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2217         }%
2218         \NAT@date
2219     }%
2220 \fi
2221 \fi
2222 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2223 \or\@citea\NAT@hyper@{\NAT@date}%
2224 \or\@citea\NAT@hyper@{\NAT@alias}%
2225 \fi \NAT@def@citea
2226 \else
2227     \ifcase\NAT@ctype
2228     \if\relax\NAT@date\relax
2229         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2230     \else
2231         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2232             \ifx\NAT@last@yr\NAT@year
2233                 \def\NAT@temp{{?}}%
2234                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2235                     {Multiple citation on page \thepage: same authors and
2236                     year\MessageBreak without distinguishing extra
2237                     letter,\MessageBreak appears as question mark}\fi
2238                 \NAT@hyper@{\NAT@exlab}%
2239             \else
2240                 \unskip\NAT@spacechar
2241                 \NAT@hyper@{\NAT@date}%
2242             \fi
2243         \else
2244             \@citea\NAT@hyper@{%
2245                 \NAT@nmfmt{\NAT@nm}%
2246                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2247                 {\@citeb\@extra@b@citeb}%
2248                 \NAT@date
2249             }%
2250         \fi
2251     \fi
2252     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2253     \or\@citea\NAT@hyper@{\NAT@date}%
2254     \or\@citea\NAT@hyper@{\NAT@alias}%
2255     \fi
2256     \if\relax\NAT@date\relax
2257         \NAT@def@citea
2258     \else
2259         \NAT@def@citea@close
2260     \fi
2261 \fi
2262 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2263 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2264 \newcommand\NAT@Latin@citexnum{}
2265 \def\NAT@Latin@citexnum[#1][#2]#3{%
2266     \NAT@reset@parser
2267     \NAT@sort@cites{#3}%
2268     \NAT@reset@citea

```



```

2269 \cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2270 \for\citeb:=\NAT@cite@list\do
2271 {\@safe@activetrue
2272 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2273 \@safe@activesfalse
2274 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2275 {\reset@font\bfseries?}
2276 \NAT@citeundefined\PackageWarning{natbib}%
2277 {Citation ``\@citeb' on page \thepage \space undefined}}%
2278 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2279 \NAT@parse{\@citeb}%
2280 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2281 \let\NAT@name=\NAT@all@names
2282 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2283 \fi
2284 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2285 \let\NAT@nm\NAT@name\fi
2286 \ifNAT@swa
2287 \@ifnum{\NAT@ctype>\@ne}{%
2288 \@citea
2289 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2290 }{%
2291 \@ifnum{\NAT@cmprs>\z@}{%
2292 \NAT@ifcat@num\NAT@num
2293 {\let\NAT@nm=\NAT@num}%
2294 {\def\NAT@nm{-2}}%
2295 \NAT@ifcat@num\NAT@last@num
2296 {\@tempcnta=\NAT@last@num\relax}%
2297 {\@tempcnta\m@ne}%
2298 \@ifnum{\NAT@nm=\@tempcnta}{%
2299 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2300 }{%
2301 \advance\@tempcnta by\@ne
2302 \@ifnum{\NAT@nm=\@tempcnta}{%
2303 \ifx\NAT@last@yr\relax
2304 \def\NAT@last@yr{\@citea}%
2305 \else
2306 \def\NAT@last@yr{--\NAT@penalty}%
2307 \fi
2308 }{%
2309 \NAT@last@yr@mbox
2310 }%
2311 }%
2312 }%
2313 \@tempswatrue
2314 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}}%
2315 \if@tempswa\NAT@citea@mbox\fi
2316 }%
2317 }%
2318 \NAT@def@citea
2319 \else
2320 \ifcase\NAT@ctype
2321 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2322 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super{kern\NAT@open}%

```





```

2323         \fi
2324         \if*#1*\else#1\NAT@spacechar\fi
2325         \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2326         \NAT@def@citea@box
2327     \or
2328         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2329     \or
2330         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2331     \or
2332         \NAT@hyper@citea@space\NAT@alias
2333     \fi
2334 \fi
2335 }%
2336 }%
2337 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2338 \ifNAT@swa\else
2339     \@ifnum{\NAT@ctype=\z@}{%
2340         \if*#2*\else\NAT@cmt#2\fi
2341     }{}%
2342     \NAT@mbox{\NAT@@close}%
2343 \fi
2344 }}{#1}{#2}%
2345 }%
2346 \AtBeginDocument{\NAT@set@cites}
2347 \DeclareRobustCommand\Latincite
2348     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2349         \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2350 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2351     \ifNAT@numbers\else
2352     \NAT@swafalse
2353     \fi
2354     \NAT@@Latin@@citetp[]}}
2355 \newcommand\NAT@@Latin@@citetp{}
2356 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 46 File packages-localise-xepersian.def

```

2357 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2358 color} \}{color} @\-localise-xepersian.def}}{}
2359 \@ifpackageloaded{multicol}{%
2360 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2361 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2362 }{}
2363 \@ifpackageloaded{verbatim}{%
2364 \begingroup
2365 \vrb@catcodes
2366 \lccode`!=`\\ \lccode`[=``{ \lccode`]=``{
2367 \catcode`~=\active \lccode`~=\^M
2368 \lccode`\C=\C
2369 \lowercase{\endgroup
2370 \def\xepersian@localize@verbatim@start#1{%
2371     \verbatim@startline
2372     \if\noexpand#1\noexpand~%
2373     \let\next\xepersian@localize@verbatim@

```



```

2374 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2375 \next}%
2376 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2377 \def\xepersian@localize@verbatim@@#1! {%
2378 \verbatim@addtoline{#1}%
2379 \futurelet\next\xepersian@localize@verbatim@@@}%
2380 \def\xepersian@localize@verbatim@@@#1\@nil{%
2381 \ifx\next\@nil
2382 \verbatim@processline
2383 \verbatim@startline
2384 \let\next\xepersian@localize@verbatim@
2385 \else
2386 \def\@tempa##1! \@nil{##1}%
2387 \@temptokena{! }%
2388 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2389 \fi \next}%
2390 \def\xepersian@localize@verbatim@test#1{%
2391 \let\next\xepersian@localize@verbatim@test
2392 \if\noexpand#1\noexpand~%
2393 \expandafter\verbatim@addtoline
2394 \expandafter{\the\@temptokena}%
2395 \verbatim@processline
2396 \verbatim@startline
2397 \let\next\xepersian@localize@verbatim@
2398 \else \if\noexpand#1
2399 \@temptokena\expandafter{\the\@temptokena#1}%
2400 \else \if\noexpand#1\noexpand[%
2401 \let\@tempc\@empty
2402 \let\next\xepersian@localize@verbatim@testend
2403 \else
2404 \expandafter\verbatim@addtoline
2405 \expandafter{\the\@temptokena}%
2406 \def\next{\xepersian@localize@verbatim@#1}%
2407 \fi\fi\fi
2408 \next}%
2409 \def\xepersian@localize@verbatim@testend#1{%
2410 \if\noexpand#1\noexpand~%
2411 \expandafter\verbatim@addtoline
2412 \expandafter{\the\@temptokena[]}%
2413 \expandafter\verbatim@addtoline
2414 \expandafter{\@tempc}%
2415 \verbatim@processline
2416 \verbatim@startline
2417 \let\next\xepersian@localize@verbatim@
2418 \else\if\noexpand#1\noexpand}%
2419 \let\next\xepersian@localize@verbatim@@testend
2420 \else\if\noexpand#1\noexpand!%
2421 \expandafter\verbatim@addtoline
2422 \expandafter{\the\@temptokena[]}%
2423 \expandafter\verbatim@addtoline
2424 \expandafter{\@tempc}%
2425 \def\next{\xepersian@localize@verbatim@!}%
2426 \else \expandafter\def\expandafter\@tempc\expandafter
2427 {\@tempc#1}\fi\fi\fi

```



```

2428         \next}%
2429 \def\xepersian@localize@verbatim@%testend{%
2430     \ifx\@tempc\@currenvir
2431         \verbatim@finish
2432         \edef\next{\noexpand\end{\@currenvir}}%
2433         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2434     \else
2435         \expandafter\verbatim@addtoline
2436         \expandafter{\the\@temptokena}%
2437         \expandafter\verbatim@addtoline
2438         \expandafter{\@tempc}%
2439     \let\next\xepersian@localize@verbatim@
2440     \fi
2441     \next}%
2442 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2443     \@warning{Characters dropped after `\'string\'end{#1}'}\fi}}%
2444 \def\
2445     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2446     \xepersian@localize@verbatim@start}
2447 \namedef{
2448     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2449 \def\end
2450     {\endtrivlist\endgroup\@doendpe}
2451 \expandafter\let\csname end
2452     *\endcsname =\end
2453 }{}
2454 \ExplSyntaxOn
2455 \AtBeginDocument{
2456     \xepersian_localize_patch_verbatim:
2457 }
2458 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2459     \@ifpackageloaded{verbatim}{
2460         \cs_set:cpn {*
2461             } }
2462         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2463     }
2464 }{
2465 }
2466 }
2467 \ExplSyntaxOff
2468 \@ifpackageloaded{graphicx}{%
2469 \def\Gin@boolkey#1#2{%
2470 \expandafter\let\csname Gin@#2 \endcsname{%
2471 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2472 \expandafter\let\csname Gin@#2 \endcsname{%
2473 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2474 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2475 \define@key{Grot}{origin}[c]{%
2476 \@tfor\@tempa:=#1\do{%
2477 \if l\@tempa \Grot@x\z@\else
2478 \if tempa@ \Grot@x\z@\else
2479 \if r\@tempa \Grot@x\width\else
2480 \if tempa@ \Grot@x\width\else
2481 \if t\@tempa \Grot@y\height\else
2482 \if tempa@ \Grot@y\height\else
2483 \if b\@tempa \Grot@y-\depth\else
2484 \if tempa@ \Grot@y-\depth\else
2485 \if B\@tempa \Grot@y\z@\else
2486 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}

```



```

2482 {draft}{ }{Gin} @ \
2483 {origin}{ }{Gin} @ \
2484 {origin}{ }{Grot} @ \
2485 {clip}{ }{Gin} @ \
2486 {keepaspectratio}{ }{Gin} @ \
2487 {natwidth}{ }{Gin} @ \
2488 {natheight}{ }{Gin} @ \
2489 {bb}{ }{Gin} @ \
2490 {viewport}{ }{Gin} @ \
2491 {trim}{ }{Gin} @ \
2492 {angle}{ }{Gin} @ \
2493 {width}{ }{Gin} @ \
2494 {height}{ }{Gin} @ \
2495 {totalheight}{ }{Gin} @ \
2496 {scale}{ }{Gin} @ \
2497 {type}{ }{Gin} @ \
2498 {ext}{ }{Gin} @ \
2499 {read}{ }{Gin} @ \
2500 {command}{ }{Gin} @ \
2501 {x}{ }{Grot} @ \
2502 {y}{ }{Grot} @ \
2503 {units}{ }{Grot} @ \
2504 {}{}

```

## 47 File url-xepersian.def

```

2505 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2506 \begingroup
2507 \lccode`+=`% \lccode`\~`=%
2508 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2509 \ifnum\Umathcodenum`%<32768 \def~{\%}\fi}}%
2510 \endgroup%

```

## 48 File persian-tex-text.map

```

2511 LHSName "persian-TeX-text"
2512 RHSName "Unicode"
2513
2514 pass(Unicode)
2515 U+0030 <> U+06F0 ;
2516 U+0031 <> U+06F1 ;
2517 U+0032 <> U+06F2 ;
2518 U+0033 <> U+06F3 ;
2519 U+0034 <> U+06F4 ;
2520 U+0035 <> U+06F5 ;
2521 U+0036 <> U+06F6 ;
2522 U+0037 <> U+06F7 ;
2523 U+0038 <> U+06F8 ;
2524 U+0039 <> U+06F9 ;
2525
2526
2527 U+002C <> U+060C ; comma > arabic comma
2528 U+003F <> U+061F ; question mark -> arabic qm
2529 U+003B <> U+061B ; semicolon -> arabic semicolon

```



```

2530
2531 ; ligatures from Knuth's original CMR fonts
2532 U+002D U+002D <> U+2013 ; -- -> en dash
2533 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2534
2535 U+0027 <> U+2019 ; ' -> right single quote
2536 U+0027 U+0027 <> U+201D ; '' -> right double quote
2537 U+0022 > U+201D ; " -> right double quote
2538
2539 U+0060 <> U+2018 ; ` -> left single quote
2540 U+0060 U+0060 <> U+201C ; `` -> left double quote
2541
2542 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2543 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2544
2545 ; additions supported in T1 encoding
2546 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2547 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2548 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 49 File persian-tex-text-nonnumbers.map

```

2549 LHSName "persian-TeX-text-nonnumbers"
2550 RHSName "Unicode"
2551
2552 pass(Unicode)
2553 U+002C <> U+060C ; comma > arabic comma
2554 U+003F <> U+061F ; question mark -> arabic qm
2555 U+003B <> U+061B ; semicolon -> arabic semicolon
2556
2557 ; ligatures from Knuth's original CMR fonts
2558 U+002D U+002D <> U+2013 ; -- -> en dash
2559 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2560
2561 U+0027 <> U+2019 ; ' -> right single quote
2562 U+0027 U+0027 <> U+201D ; '' -> right double quote
2563 U+0022 > U+201D ; " -> right double quote
2564
2565 U+0060 <> U+2018 ; ` -> left single quote
2566 U+0060 U+0060 <> U+201C ; `` -> left double quote
2567
2568 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2569 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2570
2571 ; additions supported in T1 encoding
2572 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2573 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2574 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 50 File rapport1-xepersian.def

```

2575 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2576 \renewcommand*\thepart{\@tartibi\c@part}
2577 \renewcommand*\appendix{\par

```



```

2578 \setcounter{chapter}{0}%
2579 \setcounter{section}{0}%
2580 \gdef\@chapapp{\appendixname}%
2581 \gdef\thechapter{\@harfi\c@chapter}}

```

## 51 File rapport3-xepersian.def

```

2582 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2583 \renewcommand*\thepart{\@tartibi\c@part}
2584 \renewcommand*\appendix{\par
2585 \setcounter{chapter}{0}%
2586 \setcounter{section}{0}%
2587 \gdef\@chapapp{\appendixname}%
2588 \gdef\thechapter{\@harfi\c@chapter}}

```

## 52 File refrep-xepersian.def

```

2589 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2590 \renewcommand \thepart {\@tartibi\c@part}
2591 \renewcommand\appendix{\par
2592 \setcounter{chapter}{0}%
2593 \setcounter{section}{0}%
2594 \gdef\@chapapp{\appendixname}%
2595 \gdef\thechapter{\@harfi\c@chapter}
2596 }%end appendix

```

## 53 File report-xepersian.def

```

2597 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2598 \renewcommand \thepart {\@tartibi\c@part}
2599 \renewcommand\appendix{\par
2600 \setcounter{chapter}{0}%
2601 \setcounter{section}{0}%
2602 \gdef\@chapapp{\appendixname}%
2603 \gdef\thechapter{\@harfi\c@chapter}
2604 }%end appendix

```

## 54 File scrartcl-xepersian.def

```

2605 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2606 \renewcommand*\thepart{\@tartibi\c@part}
2607 \renewcommand*\appendix{%
2608 \Ifstr{\@currentenv}{appendix}{%
2609 \ClassWarning{\KOMAClassName}{%
2610 You are using
2611 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2612 You should note, that \string\appendix' is a mostly
2613 globally\MessageBreak
2614 working command not an enviroment with only local\MessageBreak
2615 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2616 switch back to normal section numbering nor finish\MessageBreak
2617 every other effect of \string\begin{appendix}'.\MessageBreak
2618 Nevertheless, some effects may end with\MessageBreak
2619 \string\end{appendix}' and the document may become\MessageBreak

```



```

2620      inconsistent.\MessageBreak
2621      Because of this, you should remove `string\end{appendix}'\MessageBreak
2622      and replace `string\begin{appendix}' by command\MessageBreak
2623      `string\appendix'%
2624    }%
2625  }{}%
2626  \par
2627  \setcounter{section}{0}%
2628  \setcounter{subsection}{0}%
2629  \gdef\thesection{\@harfi\c@section}%
2630 }
2631 \IfLTXAtLeastTF{2020/10/01}{%
2632   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2633 }{}
2634 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2635 \renewcommand*{\@maybeautodot}[1]{%
2636   \ifx #1\@stop\let\@maybeautodot\relax
2637   \else
2638     \ifx #1\harfi \@autodottrue\fi
2639     \ifx #1\adadi \@autodottrue\fi
2640     \ifx #1\tartibi \@autodottrue\fi
2641     \ifx #1\Alph \@autodottrue\fi
2642     \ifx #1\alph \@autodottrue\fi
2643     \ifx #1\Roman \@autodottrue\fi
2644     \ifx #1\roman \@autodottrue\fi
2645     \ifx #1\@harfi \@autodottrue\fi
2646     \ifx #1\@adadi \@autodottrue\fi
2647     \ifx #1\@tartibi \@autodottrue\fi
2648     \ifx #1\@Alph \@autodottrue\fi
2649     \ifx #1\@alph \@autodottrue\fi
2650     \ifx #1\@Roman \@autodottrue\fi
2651     \ifx #1\@roman \@autodottrue\fi
2652     \ifx #1\romannumeral \@autodottrue\fi
2653   \fi
2654   \@maybeautodot
2655 }

```

## 55 File scrbook-xepersian.def

```

2656 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2657 \renewcommand*\frontmatter{%
2658   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2659   \@mainmatterfalse\pagenumbering{harfi}%
2660 }
2661 \renewcommand*{\thepart}{\@tartibi\c@part}
2662 \renewcommand*\appendix{%
2663   \Ifstr{\@currentenv}{appendix}{%
2664     \ClassWarning{\KOMAClassName}{%
2665       You are using
2666       `string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2667       You should note, that `string\appendix' is a mostly
2668       globally\MessageBreak
2669       working command not an enviroment with only local\MessageBreak
2670       effects. Therefore `string\end{appendix}' will neither\MessageBreak

```



```

2671      switch back to normal section numbering nor finish\MessageBreak
2672      every other effect of \string\begin{appendix}'.\MessageBreak
2673      Nevertheless, some effects may end with\MessageBreak
2674      \string\end{appendix}' and the document may become\MessageBreak
2675      inconsistent.\MessageBreak
2676      Because of this, you should remove \string\end{appendix}'.\MessageBreak
2677      and replace \string\begin{appendix}' by command\MessageBreak
2678      \string\appendix'
2679      }%
2680 }{}%
2681 \par
2682 \setcounter{chapter}{0}%
2683 \setcounter{section}{0}%
2684 \gdef\@chapapp{\appendixname}%
2685 \gdef\thechapter{\@harfi\c@chapter}%
2686 }
2687 \IfLTXAtLeastTF{2020/10/01}{%
2688   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2689 }{}
2690 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2691 \renewcommand*{\@maybeautodot}[1]{%
2692   \ifx #1\@stop\let\@maybeautodot\relax
2693   \else
2694     \ifx #1\harfi \@autodottrue\fi
2695     \ifx #1\adadi \@autodottrue\fi
2696     \ifx #1\tartibi \@autodottrue\fi
2697     \ifx #1\Alph \@autodottrue\fi
2698     \ifx #1\alph \@autodottrue\fi
2699     \ifx #1\Roman \@autodottrue\fi
2700     \ifx #1\roman \@autodottrue\fi
2701     \ifx #1\@harfi \@autodottrue\fi
2702     \ifx #1\@adadi \@autodottrue\fi
2703     \ifx #1\@tartibi \@autodottrue\fi
2704     \ifx #1\@Alph \@autodottrue\fi
2705     \ifx #1\@alph \@autodottrue\fi
2706     \ifx #1\@Roman \@autodottrue\fi
2707     \ifx #1\@roman \@autodottrue\fi
2708     \ifx #1\romannumeral \@autodottrue\fi
2709   \fi
2710   \@maybeautodot
2711 }

```

## 56 File `scrreprt-xepersian.def`

```

2712 \ProvidesFile{scrreprt-xepersian.def}[2022/05/22 v0.3 adaptations for scrreprt class]
2713 \renewcommand*{\thepart}{\@tartibi\c@part}
2714 \renewcommand*\appendix{%
2715   \Ifstr{\@currentenv}{appendix}{%
2716     \ClassWarning{\KOMAClassName}{%
2717       You are using
2718       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2719       You should note, that \string\appendix' is a mostly
2720       globally\MessageBreak
2721       working command not an enviroment with only local\MessageBreak

```





```

2722     effects. Therefore `\string\end{appendix}' will neither\MessageBreak
2723     switch back to normal section numbering nor finish\MessageBreak
2724     every other effect of `\string\begin{appendix}'.\MessageBreak
2725     Nevertheless, some effects may end with\MessageBreak
2726     `\string\end{appendix}' and the document may become\MessageBreak
2727     inconsistent.\MessageBreak
2728     Because of this, you should remove `\string\end{appendix}'\MessageBreak
2729     and replace `\string\begin{appendix}' by command\MessageBreak
2730     `\string\appendix'%
2731   }%
2732 }{}%
2733 \par
2734 \setcounter{chapter}{0}%
2735 \setcounter{section}{0}%
2736 \gdef\@chapapp{\appendixname}%
2737 \gdef\thechapter{\@harfi\cchapter}%
2738 }
2739 \IfLTXAtLeastTF{2020/10/01}{%
2740   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2741 }{}
2742 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2743 \renewcommand*{\@@maybeautodot}[1]{%
2744   \ifx #1\@stop\let\@@maybeautodot\relax
2745   \else
2746     \ifx #1\harfi \@autodottrue\fi
2747     \ifx #1\adadi \@autodottrue\fi
2748     \ifx #1\tartibi \@autodottrue\fi
2749     \ifx #1\Alph \@autodottrue\fi
2750     \ifx #1\alph \@autodottrue\fi
2751     \ifx #1\Roman \@autodottrue\fi
2752     \ifx #1\roman \@autodottrue\fi
2753     \ifx #1\@harfi \@autodottrue\fi
2754     \ifx #1\@adadi \@autodottrue\fi
2755     \ifx #1\@tartibi \@autodottrue\fi
2756     \ifx #1\@Alph \@autodottrue\fi
2757     \ifx #1\@alph \@autodottrue\fi
2758     \ifx #1\@Roman \@autodottrue\fi
2759     \ifx #1\@roman \@autodottrue\fi
2760     \ifx #1\romannumeral \@autodottrue\fi
2761   \fi
2762   \@@maybeautodot
2763 }

```

## 57 File soul-xepersian.def

```

2764 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2765 \let\SOUL@tt@latin\SOUL@tt
2766 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2767 \def\SOUL@tt{%
2768   \if@nonlatin
2769     \SOUL@tt@nonlatin
2770   \else
2771     \SOUL@tt@latin
2772   \fi

```



```

2773 }
2774 \bidi@appto\resetlatinfont{%
2775   \setbox\z@\hbox{\SOUL@tt-}%
2776   \SOUL@ttwidth\wd\z@
2777 }
2778 \bidi@appto\setpersianfont{%
2779   \setbox\z@\hbox{\SOUL@tt-}%
2780   \SOUL@ttwidth\wd\z@
2781 }

```

## 58 File tkz-linknodes-xepersian.def

```

2822 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2823 \renewcommand*{\@SetTab}{%
2824   \let\@alph\@latinalph%
2825   \ifnum \value{C@NumTab}>25\relax%
2826     \setcounter{C@NumTab}{1}%
2827   \else%
2828     \stepcounter{C@NumTab}%
2829   \fi%
2830   \setcounter{C@NumGroup}{0}%
2831   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2832   \setboolean{B@FirstLink}{true}
2833   \setboolean{B@NewGroup}{false}
2834   \setcounter{C@NumGroup}{0}
2835   \setcounter{C@CurrentGroup}{0}
2836   \setcounter{NumC@Node}{0}
2837   \setcounter{NumC@stop}{0}
2838   \setcounter{C@NextNode}{0}
2839   \setcounter{C@CurrentStop}{0}
2840   \setcounter{C@CurrentNode}{0}
2841 }%

```

## 59 File tocloft-xepersian.def

```

2802 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2803 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2804 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2805 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2806 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2807 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2808 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2809 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2810 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2811 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2812 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 60 File varioref-xepersian.def

```

2813 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2814 \def\reftextfaceafter{%
2815   \if@RTL
2816
2817 \reftextvario{ }{ }%

```



```

2818 \else
2819   on the \reftextvario{facing}{next} page%
2820 \fi
2821 }
2822 \def\reftextfacebefore{%
2823   \if@RTL
2824
2825 \reftextvario{ }{ }%
2826 \else
2827   on the \reftextvario{facing}{preceding} page%
2828 \fi
2829 }
2830 \def\reftextafter{%
2831   \if@RTL
2832
2833 \reftextvario{ }{ }%
2834 \else
2835   on the \reftextvario{following}{next} page%
2836 \fi
2837 }
2838 \def\reftextbefore{%
2839   \if@RTL
2840
2841 \reftextvario{ }{ }%
2842 \else
2843   on the \reftextvario{preceding}{previous} page%
2844 \fi
2845 }
2846 \def\reftextcurrent{%
2847   \if@RTL
2848
2849 \reftextvario{ }{ }%
2850 \else
2851   on \reftextvario{this}{the current} page%
2852 \fi
2853 }
2854 \def\reftextfaraway#1{%
2855   \if@RTL
2856   %
2857 ~\pageref{#1}%
2858 \else
2859   on page~\pageref{#1}%
2860 \fi
2861 }
2862 \def\reftextpagerange#1#2{%
2863   \if@RTL
2864   %
2865 ~\pageref{#1}--\pageref{#2}%
2866 \else
2867   on pages~\pageref{#1}--\pageref{#2}%
2868 \fi
2869 }
2870 \def\reftextlabelrange#1#2{%
2871   \if@RTL

```



```

2872 \ref{#1} %ref{#2}\~
2873 \else
2874 \ref{#1} to~\ref{#2}%
2875 \fi
2876 }

```

## 61 File xepersian.sty

```

2877 \NeedsTeXFormat{LaTeX2e}
2878 \def\xepersian@version{25.6}
2879 \def\xepersiandate{2024/12/28}
2880 \def\xepersian@releasename{Mount Alvand}
2881 \def\xepersian@persian@@releasename{ {
2882 \newcommand*\xepersianreleasename}{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
2883 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersian@releasename)]
2884 Persian typesetting in XeLaTeX]
2885 \newif\if@xepersian@banner
2886 \newif\if@xepersian@computeautoilg
2887 \DeclareUnknownKeyHandler{%
2888 \PassOptionsToPackage{\CurrentOption}{bidi}%
2889 }
2890 \ExplSyntaxOn
2891 \keys_define:nn { xepersian }
2892 {
2893 banner .choice: ,
2894 banner / on .code:n =
2895 \xepersian@bannertrue
2896 \PassOptionsToPackage{banner=on}{bidi} ,
2897 banner / off .code:n =
2898 \xepersian@bannerfalse
2899 \PassOptionsToPackage{banner=off}{bidi} ,
2900 banner .default:n = on
2901 }
2902 \keys_define:nn { xepersian }
2903 {
2904 mathdigits .choice: ,
2905 mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2906 mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2907 mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2908 }
2909 \keys_define:nn { xepersian }
2910 {
2911 inlinemathdigits .choice: ,
2912 inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
2913 inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
2914 inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
2915 }
2916 \keys_define:nn { xepersian }
2917 {
2918 displaymathdigits .choice: ,
2919 displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
2920 displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
2921 displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
2922 }

```



```

2923 \keys_define:nn { xepersian }
2924 {
2925   Kashida .choice: ,
2926   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xepersian.def}} ,
2927   Kashida / off .code:n = \relax ,
2928   Kashida .default:n = on
2929 }
2930 \keys_define:nn { xepersian }
2931 {
2932   localise .choice: ,
2933   localise / on .code:n = \AtEndOfPackage{\input{localise-xepersian.def}} ,
2934   localise / off .code:n = \relax ,
2935   localise .default:n = on
2936 }
2937 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
2938 {
2939   \AtEndOfPackage{%
2940     \ifwritexviii
2941     \@ifclassloaded{memoir}{%
2942       \PackageError{xepersian}{%
2943         This~feature~does~not~yet~work~with~the~memoir~class}{}%
2944     }{%
2945       \renewcommand\printindex{\newpage%
2946         \immediate\closeout\@indexfile
2947         \immediate\write18{%
2948           xindy~-L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
2949         \@input@{\jobname.ind}}}%
2950     }
2951   \else
2952     \PackageError{xepersian}{%
2953       "shell-escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell-escape"~to~run~this~document.}{}
2954   \fi
2955 }
2956 }
2957 \keys_define:nn { xepersian }
2958 {
2959   quickindex-variant .choice: ,
2960   quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
2961   quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
2962   quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
2963 }
2964 \keys_define:nn { xepersian }
2965 {
2966   abjad-variant .choice: ,
2967   abjad-variant / one .code:n =
2968     \def\PersianAlphs{%
2969       \let\@alph\@abjad
2970       \let\@Alph\@abjad
2971     } ,
2972   abjad-variant / two .code:n =
2973     \def\PersianAlphs{%
2974       \let\@alph\@Abjad
2975       \let\@Alph\@Abjad
2976     }

```



```

2977 }
2978 \keys_define:nn { xepersian }
2979 {
2980   defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
2981 }
2982 \keys_define:nn { xepersian }
2983 {
2984   mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
2985 }
2986 \keys_define:nn { xepersian }
2987 {
2988   fontsizescale .code:n = \def\xepersian@@fontsize@scale{#1}
2989 }
2990 \keys_define:nn { xepersian }
2991 {
2992   fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
2993 }
2994 \keys_define:nn { xepersian }
2995 {
2996   latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
2997 }
2998 \keys_define:nn { xepersian }
2999 {
3000   baselineskip scale .code:n = \def\xepersian@@baselineskip@scale{#1}
3001 }
3002 \keys_define:nn { xepersian }
3003 {
3004   latinbaselineskip scale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3005 }
3006 \keys_define:nn { xepersian }
3007 {
3008   computeautoilg .choice: ,
3009   computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
3010   computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
3011   computeautoilg .default:n = on
3012 }
3013 \keys_define:nn { xepersian }
3014 {
3015   debugtextdigitfont .choice: ,
3016   debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3017     \bidi@AtEndPreamble{%
3018       \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
3019         \addfontfeature{Color=C71585}
3020       }{}{}
3021     }
3022   } ,
3023   debugtextdigitfont / off .code:n = \relax ,
3024   debugtextdigitfont .default:n = on
3025 }
3026 \keys_set:nn { xepersian }
3027 {
3028   banner = on ,
3029   abjad-variant = two ,
3030   fontsizescale = \@ne ,

```



```

3031     latinfontsizescale = \@ne ,
3032     mathfontsizescale = \@ne ,
3033     baselineskipscale = \@ne ,
3034     latinbaselineskipscale = \@ne
3035 }
3036 \ExplSyntaxOff
3037 \ProcessKeyOptions
3038 \edef\xepersian@info{*****~J%
3039 * ~J%
3040 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
3041 * ~J%
3042 * Description: The package supports Persian~J%
3043 * typesetting, using fonts provided in the~J%
3044 * distribution.~J%
3045 * ~J%
3046 * Copyright (c) 2008--2025 Vafa Khalighi~J%
3047 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
3048 * ~J%
3049 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date~J%
3050 * ~J%
3051 * License: LaTeX Project Public License, version~J%
3052 * 1.3c or higher (your choice)~J%
3053 * ~J%
3054 * Location on CTAN: /macros/xetex/latex/xepersian~J%
3055 * ~J%
3056 * Issue tracker: https://github.com/xepersian/xepersian/issues~J%
3057 * ~J%
3058 * Discussions: https://github.com/xepersian/xepersian/discussions~J%
3059 * ~J%
3060 * Primary author of xepersian package: Vafa Khalighi.~J%
3061 * ~J%
3062 *****}
3063 \edef\xepersian@everyjob{\the\everyjob}
3064 \if\xepersian@banner
3065   \typeout{\@xepersian@info}
3066   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3067 \fi
3068 \RequirePackage{fontspec}
3069 \RequirePackage{xepersian-persiancal}
3070 \RequirePackage{xepersian-mathdigitsspec}
3071 \RequirePackage[%
3072   documentdirection=righttoleft,%
3073   tabledirection=righttoleft,%
3074   script=nonlatin,%
3075   footnotedirection=righttoleft,%
3076   footnoterule=automatic%
3077 ]{bidi}
3078 \newcommand*{\xepersianversion}
3079   {\ensuremath\xepersian@version}
3080 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
3081   \ifdim\xepersian@version pt > #1 pt %
3082     \expandafter\@firstoftwo
3083   \else
3084     \expandafter\@secondoftwo

```



```

3085 \fi}
3086 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
3087 \ifdim\xepersian@version pt < #1 pt %
3088 \expandafter\@firstoftwo
3089 \else
3090 \expandafter\@secondoftwo
3091 \fi}
3092 \newcommand*{\IfxepersianPackageVersion}[1]{%
3093 \ifdim\xepersian@version pt = #1 pt %
3094 \expandafter\@firstoftwo
3095 \else
3096 \expandafter\@secondoftwo
3097 \fi}
3098 \def\prq{«}
3099 \def\plq{»}
3100 \def\xepersian@cmds@temp#1{%
3101 \begingroup\expandafter\expandafter\expandafter\endgroup
3102 \expandafter\ifx\csname xepersian@#1\endcsname\relax
3103 \begingroup
3104 \escapechar=-1 %
3105 \edef\x{\expandafter\meaning\csname#1\endcsname}%
3106 \def\y{#1}%
3107 \def\z##1->{}%
3108 \edef\y{\expandafter\z\meaning\y}%
3109 \expandafter\endgroup
3110 \ifx\x\y
3111 \expandafter\def\csname xepersian@#1\expandafter\endcsname
3112 \expandafter{%
3113 \csname#1\endcsname
3114 }%
3115 \fi
3116 \fi
3117 }%
3118 \xepersian@cmds@temp{shellescape}
3119 \newif\ifwritexviii
3120 \ifnum\xepersian@shellescape=1\relax
3121 \writexviii>true
3122 \else
3123 \writexviii>false
3124 \fi
3125 \newfontscript{Persian}{arab}
3126 \newfontlanguage{Persian}{FAR}
3127 \ExplSyntaxOn
3128
3129 \keys_define:nn {fontspec-opentype}
3130 {
3131 Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3132 Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3133 Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3134 }
3135
3136 \keys_define:nn {fontspec-aat}
3137 {
3138 Ligatures / PersianTeX .code:n =

```





```

3139 {
3140   \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3141 }
3142 }
3143
3144 \keys_define:nn {fontspec-opentype}
3145 {
3146   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3147   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3148   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3149 }
3150
3151 \keys_define:nn {fontspec-aat}
3152 {
3153   Ligatures / PersianTeXNoNumbers .code:n =
3154   {
3155     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
3156   }
3157 }
3158
3159 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3160 {
3161   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3162   \ignorespaces
3163 }
3164 \cs_new:Nn \__xepersian_main_settextfont:nn
3165 {
3166   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3167   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3168   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3169   {
3170     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3171     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3172     \exp_not:N \selectfont
3173   }
3174 }
3175   \str_if_eq:eeT {\familydefault} {\rmdefault}
3176   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3177   \__xepersian_settextfont_hook:nn {#1} {#2}
3178   \normalfont
3179 }
3180
3181 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3182
3183 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3184 {
3185   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3186   \ignorespaces
3187 }
3188 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3189 {
3190   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3191   \use:x
3192   {

```



```

3193 \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3194 {
3195 \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3196 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3197 \exp_not:N \selectfont
3198 }
3199 }
3200 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3201 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3202 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3203 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3204 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3205 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3206 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3207 \if@bidi@csundef{xepersian@dualjoiner}{\%
3208 \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3209 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3210 \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3211 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3212 \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3213 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3214 \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3215 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3216 }
3217 }
3218
3219 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3220 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3221
3222 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3223
3224 \DeclareDocumentCommand \setdigitfont { O{} m O{} }
3225 {
3226 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3227 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3228 \ignorespaces
3229 }
3230
3231
3232 \DeclareDocumentCommand \setlatintextfont { O{} m O{} }
3233 {
3234 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3235 \ignorespaces
3236 }
3237 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3238 {
3239 \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3240 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3241 {
3242 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3243 \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3244 \exp_not:N \selectfont
3245 }
3246 }

```



```

3247 \str_if_eq:eeT {\familydefault} {\rmdefault}
3248 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3249 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3250 \normalfont
3251 }
3252
3253 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3254
3255 \tl_set_eq:NN \setlatinsansfont \setsansfont
3256 \tl_set_eq:NN \setlatinmonofont \setmonofont
3257
3258 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3259 {
3260   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3261   \NewDocumentCommand
3262 }
3263 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3264 {
3265   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3266   \RenewDocumentCommand
3267 }
3268 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3269 {
3270   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar}}
3271   \use:x
3272   {
3273     \exp_not:N #4 \exp_not:N #1 {}
3274     {
3275       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3276       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3277       \exp_not:N \selectfont
3278     }
3279   }
3280 }
3281
3282 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3283 {
3284   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3285   \NewDocumentCommand
3286 }
3287 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3288 {
3289   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3290   \RenewDocumentCommand
3291 }
3292 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3293 {
3294   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3295   \use:x
3296   {
3297     \exp_not:N #4 \exp_not:N #1 {}
3298     {
3299       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3300       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3301     \exp_not:N \selectfont
3302   }
3303 }
3304 }
3305
3306 \newcommand\persiansfdefault{}
3307 \newcommand\persianttdefault{}
3308 \newcommand\iranicsfdefault{}
3309 \newcommand\navarsfdefault{}
3310 \newcommand\pooksfdefault{}
3311 \newcommand\sayehsfdefault{}
3312 \DeclareRobustCommand\persiansffamily
3313   {\not@math@alphabet\persiansffamily\mathpersiansf
3314     \fontfamily\persiansfdefault\selectfont}
3315 \DeclareRobustCommand\persianttfamily
3316   {\not@math@alphabet\persianttfamily\mathpersiantt
3317     \fontfamily\persianttdefault\selectfont}
3318 \DeclareRobustCommand\iranicsfamily
3319   {\not@math@alphabet\iranicsfamily\mathiranics
3320     \fontfamily\iranicsfdefault\selectfont}
3321 \DeclareRobustCommand\navarsfamily
3322   {\not@math@alphabet\navarsfamily\mathnavar
3323     \fontfamily\navarsfdefault\selectfont}
3324 \DeclareRobustCommand\pooksfamily
3325   {\not@math@alphabet\pooksfamily\mathpook
3326     \fontfamily\pooksfdefault\selectfont}
3327 \DeclareRobustCommand\sayehsfamily
3328   {\not@math@alphabet\sayehsfamily\mathsayeh
3329     \fontfamily\sayehsfdefault\selectfont}
3330 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3331 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3332 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3333 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3334 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3335 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
3336
3337 \DeclareDocumentCommand \setpersiansansfont { 0{ } m 0{ } }
3338 {
3339   \_xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3340   \ignorespaces
3341 }
3342 \cs_new:Nn \_xepersian_main_setpersiansansfont:nn
3343 {
3344   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},l
3345   \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3346   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3347     {
3348       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3349       \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3350       \exp_not:N \selectfont
3351     }
3352   }
3353   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3354   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }

```



```

3355 \_xepersian_setpersiansansfont_hook:nn {#1} {#2}
3356 \normalfont
3357 }
3358
3359 \cs_set_eq:NN \_xepersian_setpersiansansfont_hook:nn \use_none:nn
3360
3361 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3362 {
3363   \_xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3364   \ignorespaces
3365 }
3366 \cs_new:Nn \_xepersian_main_setpersianmonofont:nn
3367 {
3368   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3369   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3370   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3371     {
3372       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3373       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3374       \exp_not:N \selectfont
3375     }
3376   }
3377   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3378     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3379   \_xepersian_setpersianmonofont_hook:nn {#1} {#2}
3380   \normalfont
3381 }
3382
3383 \cs_set_eq:NN \_xepersian_setpersianmonofont_hook:nn \use_none:nn
3384
3385 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3386 {
3387   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3388   \ignorespaces
3389 }
3390 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3391 {
3392   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligatures={all}}
3393   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3394   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3395     {
3396       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3397       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3398       \exp_not:N \selectfont
3399     }
3400   }
3401   \str_if_eq:eeT {\familydefault} {\navardefault}
3402     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3403   \_xepersian_setnavarfont_hook:nn {#1} {#2}
3404   \normalfont
3405 }
3406
3407 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3408

```



```

3409 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3410 {
3411     \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3412     \ignorespaces
3413 }
3414 \cs_new:Nn \__xepersian_main_setpookfont:nn
3415 {
3416     \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3417     \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3418     \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3419     {
3420         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3421         \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3422         \exp_not:N \selectfont
3423     }
3424 }
3425 \str_if_eq:eeT {\familydefault} {\pookdefault}
3426     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3427     \__xepersian_setpookfont_hook:nn {#1} {#2}
3428     \normalfont
3429 }
3430
3431 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3432
3433 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3434 {
3435     \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3436     \ignorespaces
3437 }
3438 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3439 {
3440     \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3441     \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3442     \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3443     {
3444         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3445         \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3446         \exp_not:N \selectfont
3447     }
3448 }
3449 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3450     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3451     \__xepersian_setsayehfont_hook:nn {#1} {#2}
3452     \normalfont
3453 }
3454
3455 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3456
3457 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3458 {
3459     \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3460     \ignorespaces
3461 }
3462 \cs_new:Nn \__xepersian_main_setiraniconfont:nn

```



```

3463 {
3464 \fontspec_set_family:Nnn \l__fontspec_iranifamily_family_tl {RawFeature={script=arab},Lig
3465 \tl_set_eq:NN \iranifamilydefault \l__fontspec_iranifamily_family_tl
3466 \use:x { \exp_not:n { \DeclareRobustCommand \iranifamily }
3467 {
3468 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3469 \exp_not:N \fontfamily { \l__fontspec_iranifamily_family_tl }
3470 \exp_not:N \selectfont
3471 }
3472 }
3473 \str_if_eq:eeT {\familydefault} {\iranifamilydefault}
3474 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3475 \__xepersian_setiranifont_hook:nn {#1} {#2}
3476 \normalfont
3477 }
3478
3479 \cs_set_eq:NN \__xepersian_setiranifont_hook:nn \use_none:nn
3480
3481 \ExplSyntaxOff
3482 \def\resetlatinfont{%
3483 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3484 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3485 \def\xepersian@@fontsize@scale{%
3486 \strip@pt\dimexpr 1pt * \dimexpr
3487 \xepersian@@latin@fontsize@scale pt\relax
3488 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3489 }%
3490 \def\xepersian@@baselineskip@scale{%
3491 \strip@pt\dimexpr 1pt * \dimexpr
3492 \xepersian@@latin@baselineskip@scale pt\relax
3493 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3494 }%
3495 \@nonlatinfalse%
3496 \let\normalfont\latinfont%
3497 \let\resetfont\normalfont%
3498 \latinfont%
3499 \fontsize\fontsize\font@baselineskip%
3500 \selectfont%
3501 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3502 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3503 }
3504 \def\setpersianfont{%
3505 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3506 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3507 \let\xepersian@@fontsize@scale\@ne%
3508 \let\xepersian@@baselineskip@scale\@ne%
3509 \@nonlatintrue%
3510 \let\normalfont\persianfont%
3511 \let\resetfont\normalfont%
3512 \persianfont%
3513 \fontsize\fontsize\font@baselineskip%
3514 \selectfont%
3515 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3516 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%

```



```

3517 }
3518 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3519 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3520 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3521 \def\endlatin{\endLTR}
3522 \newenvironment{latin*}{\latin
3523   \everypar{%
3524     {\setbox\z@\lastbox
3525       \ifvoid\z@
3526         \kern-\parindent
3527       \fi}%
3528   }%
3529 }{\endlatin\@endpetrue}
3530 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3531 \def\endpersian{\endRTL}
3532 \newenvironment{persian*}{\persian
3533   \everypar{%
3534     {\setbox\z@\lastbox
3535       \ifvoid\z@
3536         \kern-\parindent
3537       \fi}%
3538   }%
3539 }{\endpersian\@endpetrue}
3540 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3541 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3542 \let\originaltoday=\today
3543 \def\latintoday{\lr{\originaltoday}}
3544 \def\today{\rl{\persiantoday}}
3545 \def\@LTRmarginparreset{%
3546   \reset@font
3547   \resetlatinfont
3548   \normalsize
3549   \@minipagetrue
3550   \everypar{\@minipagefalse\everypar{}\beginL}%
3551 }
3552 \DeclareRobustCommand\Latincite{%
3553   \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
3554 \def\@Latincitex[#1]#2{\leavevmode
3555   \let\@citea\@empty
3556   \@cite{\lr{\@for\@citeb:=#2\do
3557     {\@citea\def\@citea{\penalty\@m }}%
3558     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3559     \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3560     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3561     \G@refundefinedtrue
3562     \@latex@warning
3563       {Citation `'\@citeb' on page \thepage \space undefined}}%
3564     {\@citeofmt{\csname b@\@citeb\endcsname}}}\@#1}}
3565
3566 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3567
3568 \newcount\xepersian@tcl
3569 \newdimen\xepersian@ilg
3570 \newdimen\xepersian@strutilg

```





```

3571 \chardef\f@ur=4
3572 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3573 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3574 \loop
3575 \iffontchar\font\xepersian@tcl
3576 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3577 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3578 \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3579 \fi
3580 \else
3581 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3582 \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3583 \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3584 \fi
3585 \fi
3586 \fi
3587 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3588 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3589 \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3590 \fi
3591 \else
3592 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3593 \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3594 \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3595 \fi
3596 \fi
3597 \fi
3598 \fi
3599 \advance\xepersian@tcl\@ne
3600 \ifnum\xepersian@tcl<1792\repeat
3601 \advance\xepersian@strutilg\xepersian@ilg
3602 % \ifdim\xepersian@strutilg>\baselineskip
3603 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3604 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3605 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3606 % \selectfont
3607 % \fi
3608 }
3609
3610 \newif\if@@textdigitfont@on
3611
3612 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3613 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3614
3615 \TextDigitFontOn
3616
3617 \newcommand*\xepersian@setlength[4]{%
3618 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3619 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3620 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3621 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3622 \else
3623 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3624 \fi

```



```

3625 \else
3626 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3627 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3628 \else
3629 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3630 \fi
3631 \fi
3632 \else
3633 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3634 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3635 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3636 \else
3637 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3638 \fi
3639 \else
3640 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3641 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3642 \else
3643 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3644 \fi
3645 \fi
3646 \fi
3647 }
3648
3649 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3650 \@defaultunits\@tempdima#2pt\relax\@nnil
3651 \setlength{\@tempdimc}{\@tempdima}%
3652 \addtolength{\@tempdimc}{-10\p@}%
3653 \edef\@ptsize{\strip@pt\@tempdimc}%
3654 \@defaultunits\@tempdimb#1pt\relax\@nnil
3655 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3656 \edef\@tempb{\the\@tempdimc}%
3657 \setlength{\@tempdimc}{\@tempdima}%
3658 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3659 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3660 \xepersian@setlength{\abovedisplayskip}%
3661 { .8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3662 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3663 \xepersian@setlength{\belowdisplayshortskip}%
3664 { .5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3665 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3666 \edef\normalsize{%
3667 \noexpand\setfontsize\noexpand\normalsize
3668 {\the\@tempdima}{\the\@tempdimb}%
3669 \abovedisplayskip \the\abovedisplayskip
3670 \abovedisplayshortskip \the\abovedisplayshortskip
3671 \belowdisplayskip \the\belowdisplayskip
3672 \belowdisplayshortskip \the\belowdisplayshortskip
3673 \let\noexpand\@listi\noexpand\@listI
3674 }%
3675 \setlength{\@tempdima}{0.9125\@tempdimc}%
3676 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3677 \xepersian@setlength{\abovedisplayskip}%
3678 { .8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%

```



```

3679 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3680 \xepersian@setlength{\belowdisplayskip}{%
3681     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}}%
3682 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3683 \edef\small{%
3684     \noexpand\setfontsize\noexpand\small
3685     {\the\@tempdima}{\the\@tempdimb}%
3686     \abovedisplayskip \the\abovedisplayskip
3687     \abovedisplayskip \the\abovedisplayskip
3688     \belowdisplayskip \the\belowdisplayskip
3689     \belowdisplayskip \the\belowdisplayskip
3690     \let\noexpand\@listi\noexpand\@listi\small
3691 }%
3692 \setlength{\@tempdima}{.83334\@tempdimc}%
3693 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3694 \xepersian@setlength{\abovedisplayskip}{%
3695     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}}%
3696 \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3697 \xepersian@setlength{\belowdisplayskip}{%
3698     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}}%
3699 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3700 \edef\footnotesize{%
3701     \noexpand\setfontsize\noexpand\footnotesize
3702     {\the\@tempdima}{\the\@tempdimb}%
3703     \abovedisplayskip \the\abovedisplayskip
3704     \abovedisplayskip \the\abovedisplayskip
3705     \belowdisplayskip \the\belowdisplayskip
3706     \belowdisplayskip \the\belowdisplayskip
3707     \let\noexpand\@listi\noexpand\@listi\footnotesize
3708 }%
3709 \setlength{\@tempdima}{.66667\@tempdimc}%
3710 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3711 \edef\scriptsize{%
3712     \noexpand\setfontsize\noexpand\scriptsize
3713     {\the\@tempdima}{\the\@tempdimb}%
3714 }%
3715 \setlength{\@tempdima}{.5\@tempdimc}%
3716 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3717 \edef\tiny{%
3718     \noexpand\setfontsize\noexpand\tiny
3719     {\the\@tempdima}{\the\@tempdimb}%
3720 }%
3721 \setlength{\@tempdima}{1.2\@tempdimc}%
3722 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3723 \edef\large{%
3724     \noexpand\setfontsize\noexpand\large
3725     {\the\@tempdima}{\the\@tempdimb}%
3726 }%
3727 \setlength{\@tempdima}{1.44\@tempdimc}%
3728 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3729 \edef\Large{%
3730     \noexpand\setfontsize\noexpand\Large
3731     {\the\@tempdima}{\the\@tempdimb}%
3732 }%

```



```

3733 \setlength{\@tempdima}{1.728\@tempdimc}%
3734 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3735 \edef\LARGE{%
3736   \noexpand\@setfontsize\noexpand\LARGE
3737   {\the\@tempdima}{\the\@tempdimb}%
3738 }%
3739 \setlength{\@tempdima}{2.074\@tempdimc}%
3740 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3741 \edef\huge{%
3742   \noexpand\@setfontsize\noexpand\huge
3743   {\the\@tempdima}{\the\@tempdimb}%
3744 }%
3745 \setlength{\@tempdima}{2.488\@tempdimc}%
3746 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3747 \edef\Huge{%
3748   \noexpand\@setfontsize\noexpand\Huge
3749   {\the\@tempdima}{\the\@tempdimb}%
3750 }%
3751 \normalsize
3752 \setlength{\@tempdimb}{\f@baselineskip}%
3753 \xepersian@setlength{\parsep}%
3754   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3755 \xepersian@setlength{\topsep}%
3756   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3757 \@tempswafalse
3758 \begingroup
3759   \def\@list@extra{\aftergroup\@tempwattrue}%
3760   \csname @listi\endcsname
3761 \endgroup
3762 \edef\@listi{\leftmargin\leftmargini
3763   \topsep \the\topsep
3764   \parsep \the\parsep
3765   \itemsep \parsep
3766   \if@tempswa\noexpand\@list@extra\fi
3767 }%
3768 \let\@listI\@listi
3769 \xepersian@setlength{\parsep}%
3770   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3771 \xepersian@setlength{\topsep}%
3772   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3773 \@tempswafalse
3774 \begingroup
3775   \def\@list@extra{\aftergroup\@tempwattrue}%
3776   \csname @listi\endcsname
3777 \endgroup
3778 \edef\@listi@small{\leftmargin\leftmargini
3779   \topsep \the\topsep
3780   \parsep \the\parsep
3781   \itemsep \parsep
3782   \if@tempswa\noexpand\@list@extra\fi
3783 }%
3784 \xepersian@setlength{\parsep}%
3785   {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3786 \xepersian@setlength{\topsep}%

```



```

3787         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3788 \@tempswafalse
3789 \begingroup
3790   \def\@list@extra{\aftergroup\@tempwattrue}%
3791   \csname @listi\endcsname
3792 \endgroup
3793 \edef\@listi{\footnotesize{\leftmargin\leftmargini
3794   \topsep \the\topsep
3795   \parsep \the\parsep
3796   \itemsep \parsep
3797   \if@tempwa\noexpand\@list@extra\fi
3798 }%
3799   \xepersian@setlength{\parsep}%
3800     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3801   \xepersian@setlength{\topsep}%
3802     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3803 \@tempswafalse
3804 \begingroup
3805   \def\@list@extra{\aftergroup\@tempwattrue}%
3806   \csname @listii\endcsname
3807 \endgroup
3808 \edef\@listii{\leftmargin\leftmarginii
3809   \labelwidth=\dimexpr \leftmargin-\labelsep
3810   \topsep \the\topsep
3811   \parsep \the\parsep
3812   \itemsep \parsep
3813   \if@tempwa\noexpand\@list@extra\fi
3814 }%
3815   \xepersian@setlength{\topsep}%
3816     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3817 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3818 \@tempswafalse
3819 \begingroup
3820   \def\@list@extra{\aftergroup\@tempwattrue}%
3821   \csname @listiii\endcsname
3822 \endgroup
3823 \edef\@listiii{\leftmargin\leftmarginiii
3824   \labelwidth=\dimexpr \leftmargin-\labelsep
3825   \topsep \the\topsep
3826   \parsep \z@
3827   \partopsep \the\partopsep
3828   \itemsep \topsep
3829   \if@tempwa\noexpand\@list@extra\fi
3830 }%
3831 \@tempswafalse
3832 \begingroup
3833   \def\@list@extra{\aftergroup\@tempwattrue}%
3834   \csname @listiv\endcsname
3835 \endgroup
3836 \edef\@listiv{\leftmargin\leftmarginiv
3837   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3838   \if@tempwa\noexpand\@list@extra\fi
3839 }%
3840 \@tempswafalse

```



```

3841 \begingroup
3842   \def\@list@extra{\aftergroup\@tempswatrue}%
3843   \csname @listv\endcsname
3844 \endgroup
3845 \edef\@listv{\leftmargin\leftmarginv
3846   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3847   \if@tempswa\noexpand\@list@extra\fi
3848 }%
3849 \@tempswafalse
3850 \begingroup
3851   \def\@list@extra{\aftergroup\@tempswatrue}%
3852   \csname @listvi\endcsname
3853 \endgroup
3854 \edef\@listvi{\leftmargin\leftmarginvi
3855   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3856   \if@tempswa\noexpand\@list@extra\fi
3857 }%
3858 \@listi
3859   \setlength{\@tempdimb}{\f@baselineskip}%
3860   \setlength{\footnotesep}{.555\@tempdimb}%
3861   \xepersian@setlength{\skip\footins}%
3862     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3863   \xepersian@setlength{\floatsep}%
3864     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3865   \xepersian@setlength{\textfloatsep}%
3866     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3867   \setlength{\intextsep}{\floatsep}%
3868   \setlength{\dblfloatsep}{\floatsep}%
3869   \setlength{\dbltextfloatsep}{\textfloatsep}%
3870   \setlength{\@fptop}{\z@ \@plus 1fil}%
3871   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3872   \setlength{\@fpbot}{\@fptop}%
3873   \setlength{\@dblfpbot}{\@fptop}%
3874   \setlength{\@dblfpsep}{\@fpsep}%
3875   \setlength{\@dblfpbot}{\@fptop}%
3876   \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3877 }
3878
3879 \renewcommand*{\@bidi@logo}{%
3880   \@bidi@logo@hb@xt@columnwidth
3881   {\hss\bfseries
3882
3883   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}}
3884
3885 \renewcommand*{\@bidi@pdfcreator}{%
3886   The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersian@version
3887 }
3888
3889 \newcommand*{\@xepersian@pdfcustomproperties}{%
3890   This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releasename)
3891   Released December 28, 2024.
3892 }
3893
3894 \newcommand\twocolumnstableofcontents{%

```



```

3895 \if@bidi@csundef{multi@column@out}{%
3896 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3897 \begin{multicols}{2}[\section*{\contentsname}]}%
3898 \small
3899 \@starttoc{toc}%
3900 \end{multicols}}
3901 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3902 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3903 \AtBeginDocument{%
3904 \def\figurename{\if@RTL else\ Figure\fi}%
3905 \def\tablename{\if@RTL else\ Table\fi}%
3906 \def\contentsname{\if@RTL else\ Contents\fi}%
3907 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3908 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3909 \def\appendixname{\if@RTL else\ Appendix\fi}%
3910 \def\indexname{\if@RTL else\ Index\fi}%
3911 \def\refname{\if@RTL else\ References\fi}%
3912 \def\abstractname{\if@RTL else\ Abstract\fi}%
3913 \def\partname{\if@RTL else\ Part\fi}%
3914 \def\datename{\if@RTL else\ Date\fi}%
3915 \def\@and{\if@RTL else\ and\fi}%
3916 \def\bibname{\if@RTL else\ Bibliography\fi}%
3917 \def\chaptername{\if@RTL else\ Chapter\fi}%
3918 \def\ccname{\if@RTL else\ cc\fi}%
3919 \def\enclname{\if@RTL else\ encl\fi}%
3920 \def\pagename{\if@RTL else\ Page\fi}%
3921 \def\headtoname{\if@RTL else\ To\fi}%
3922 \def\proofname{\if@RTL else\ Proof\fi}%
3923 }
3924 \def\@Abjad#1{%
3925 \ifcase#1\or or\ or\ or\ %
3926 \or or\ or\ or\ or\ %
3927 \or or\ or\ or\ or\ %
3928 \or or\ or\ or\ %
3929 \or or\ or\ or\ or\ %
3930 \or or\ or\ or\ or\ %
3931 \else\@ctrerr\fi}
3932 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3933 \let\Abjadnumeral\@Abjad
3934 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3935 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3936 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3937 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3938 \let\harfinumeral\@harfi
3939 \newcommand{\adadi}[1]{%
3940 \expandafter\@adadi\csname c@#1\endcsname%
3941 }
3942 \newcommand{\@adadi}[1]{%
3943 \xepersian@numberstring{#1}\xepersian@yekanii{ }}%
3944 }
3945 \let\adadinumeral\@adadi%
3946 \def\xepersian@numberoutofrange#1#2{%
3947 \PackageError{xepersian}{The number `#1' is too large %
3948 to be formatted using xepersian}{The largest possible %

```



```

3949 number is 999,999,999.}%
3950 }
3951 \def\xepersian@numberstring#1#2#3#4{%
3952 \ifnum\number#1<\@ne%
3953 #3%
3954 \else\ifnum\number#1<1000000000 %
3955 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3956 \else%
3957 \xepersian@numberoutofrange{#1}{#4}%
3958 \fi\fi%
3959 }
3960 \def\xepersian@adadi#1#2{%
3961 \expandafter\xepersian@@adadi%
3962 \ifcase%
3963 \ifnum#1<10 1%
3964 \else\ifnum#1<100 2%
3965 \else\ifnum#1<\@m 3%
3966 \else\ifnum#1<\@M 4%
3967 \else\ifnum#1<100000 5%
3968 \else\ifnum#1<1000000 6%
3969 \else\ifnum#1<10000000 7%
3970 \else\ifnum#1<100000000 8%
3971 \else9%
3972 \fi\fi\fi\fi\fi\fi\fi\fi %
3973 \or00000000#1% case 1: Add 8 leading zeros
3974 \or0000000#1% case 2: Add 7 leading zeros
3975 \or000000#1% case 3: Add 6 leading zeros
3976 \or00000#1% case 4: Add 5 leading zeros
3977 \or0000#1% case 5: Add 4 leading zeros
3978 \or000#1% case 6: Add 3 leading zeros
3979 \or00#1% case 7: Add 2 leading zeros
3980 \or0#1% case 8: Add 1 leading zero
3981 \or#1% case 9: Add no leading zeros
3982 \or%
3983 \@nil#2%
3984 \fi%
3985 }
3986 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3987 \ifnum#1#2#3>\z@
3988 \xepersian@milyoongan#1#2#3%
3989 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3990 \fi%
3991 \ifnum#4#5#6>\z@%
3992 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3993 \ifnum#4#5#6>\@ne\fi%
3994 %
3995 \ifnum#7>\z@\ \fi%
3996 \fi%
3997 \xepersian@sadgan#7{#4#5#6}1#9%
3998 }
3999 \def\xepersian@milyoongan#1#2#3{%
4000 \ifnum#1#2#3=\@ne%
4001 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4002 %

```





```

4003 %
4004 \else%
4005 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4006 %
4007 %
4008 \fi%
4009 }
4010 \def\xepersian@sadgan#1#2#3#4#5#6{%
4011 \ifnum#1>\z0%
4012 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4013 %
4014 \ifnum#2#3>\z0\ \fi%
4015 \fi%
4016 \ifnum#2#3<20%
4017 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4018 \else%
4019 \xepersian@dahgan#2%
4020 \ifnum#3>\z0\ \xepersian@yekani#3\fi%
4021 #60%
4022 \fi%
4023 }
4024 \def\xepersian@yekani#1{%
4025 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4026 \or or\ or\ or\ or\ or\ or\ %
4027 \or or\ or\ or\ %
4028 \or or\ %fi\
4029 }
4030 \def\xepersian@yekanii#1{%
4031 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4032 }
4033 \def\xepersian@yekanii#1{%
4034 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4035 }
4036 \def\xepersian@yekaniv#1{%
4037 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
4038 \or or\ or\ %fi\
4039 }
4040 \def\xepersian@dahgan#1{%
4041 \ifcase#1\or\or or\ or\ %
4042 \or or\ or\ or\ %
4043 \or %fi\
4044 }
4045 \newcommand{\tartibi}[1]{%
4046 \expandafter\@tartibi\csname c@#1\endcsname%
4047 }
4048 \newcommand{\@tartibi}[1]{%
4049 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4050 }
4051 \let\tartibinumeral\@tartibi%
4052 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4053 \ifnum\number#1<\@ne%
4054 #3%
4055 \else\ifnum\number#1<1000000000 %
4056 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%

```



```

4057 \else%
4058 \xepersian@numberoutofrange{#1}{#4}%
4059 \fi\fi%
4060 }
4061 \def\xepersian@adadi@tartibi#1#2{%
4062 \expandafter\xepersian@@adadi@tartibi%
4063 \ifcase%
4064 \ifnum#1<10 1%
4065 \else\ifnum#1<100 2%
4066 \else\ifnum#1<\@m 3%
4067 \else\ifnum#1<\@M 4%
4068 \else\ifnum#1<100000 5%
4069 \else\ifnum#1<1000000 6%
4070 \else\ifnum#1<10000000 7%
4071 \else\ifnum#1<100000000 8%
4072 \else9%
4073 \fi\fi\fi\fi\fi\fi\fi\fi %
4074 \or00000000#1% case 1: Add 8 leading zeros
4075 \or0000000#1% case 2: Add 7 leading zeros
4076 \or000000#1% case 3: Add 6 leading zeros
4077 \or00000#1% case 4: Add 5 leading zeros
4078 \or0000#1% case 5: Add 4 leading zeros
4079 \or000#1% case 6: Add 3 leading zeros
4080 \or00#1% case 7: Add 2 leading zeros
4081 \or0#1% case 8: Add 1 leading zero
4082 \or#1% case 9: Add no leading zeros
4083 \or%
4084 \@nil#2%
4085 \fi%
4086 }
4087 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4088 \ifnum#1#2#3>\z@
4089 \xepersian@milyoongan@tartibi#1#2#3%
4090 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4091 \fi%
4092 \ifnum#4#5#6>\z@%
4093 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4094 \ifnum#4#5#6>\@ne \fi%
4095 %
4096 \ifnum#7>\z@\ \fi%
4097 \fi%
4098 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4099 }
4100 \def\xepersian@milyoongan@tartibi#1#2#3{%
4101 \ifnum#1#2#3=\@ne%
4102 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4103 %
4104 %
4105 \else%
4106 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4107 %
4108 %
4109 \fi%
4110 }

```



```

4111 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4112 \ifnum#1>\z@%
4113 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4114 %
4115 \ifnum#2#3>\z@\ \fi%
4116 \fi%
4117 \ifnum#2#3<20%
4118 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4119 \else%
4120 \ifnum#2#3=30%
4121 \xepersian@dahgan@tartibi#2%
4122 \else%
4123 \xepersian@dahgan#2%
4124 \fi%
4125 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
4126 #60%
4127 \fi%
4128 }
4129 \def\xepersian@dahgan@tartibi#1{%
4130 \ifcase#1\or\or\or\or\ %
4131 \or\or\or\or\ %
4132 \or\%fi\
4133 }
4134 \def\xepersian@tartibi#1{%
4135 \ifcase#1\or\or\or\or\ %
4136 \or\or\or\or\or\ %
4137 \or\or\or\or\ %
4138 \or\or\or\ %
4139 \or\or\or\ %fi\
4140 }
4141 \def\xepersian@yekanv#1{%
4142 \ifcase#1\@empty\or\or\or\or\or\or\ %
4143 \or\or\or\or\or\or\or\ %
4144 \or\or\or\or\ %
4145 \or\or\%fi\
4146 }
4147 \providecommand*\xpg@warning}[1]{%
4148 \PackageWarning{XePersian}%
4149 {#1}}
4150 \if@bidi@csundef{@abjad}{%
4151 \def{@abjad#1}{%
4152 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4153 \else
4154 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4155 \else
4156 \ifnum#1<10\expandafter\abj@num@i\number#1%
4157 \else
4158 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4159 \else
4160 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4161 \else
4162 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4163 \fi
4164 \fi

```



```

4165     \fi
4166     \fi
4167     \fi
4168 \fi
4169 }
4170 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4171 \let\abjadnumeral\@abjad
4172 \def\abjad@zero{}
4173 \def\abj@num@i#1{%
4174     \ifcase#1\or or\ or\ or\ %
4175         \or or\ or\ or\ or\ fi\
4176     \ifnum#1=z@\abjad@zero\fi}
4177 \def\abj@num@ii#1{%
4178     \ifcase#1\or or\ or\ or\ or\ %
4179         \or or\ or\ or\ or\ fi\
4180     \ifnum#1=z@\fi\abj@num@i}
4181 \def\abj@num@iii#1{%
4182     \ifcase#1\or or\ or\ or\ or\ %
4183         \or or\ or\ or\ or\ fi\
4184     \ifnum#1=z@\fi\abj@num@ii}
4185 \def\abj@num@iv#1{%
4186     \ifcase#1\or fi\
4187     \ifnum#1=z@\fi\abj@num@iii}
4188 }{}
4189 \let\@latinalph\@alph%
4190 \let\@latinAlph\@Alph%
4191 \def\LatinAlphs{%
4192     \let\@alph\@latinalph%
4193     \let\@Alph\@latinAlph%
4194 }
4195 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
4196 \renewcommand*{\bidi@thebibliography@font@hook}{%
4197 \if@LTRbibitems
4198     \resetlatinfont
4199 \fi}
4200 \bidi@AfterEndPreamble{%
4201 \if@bidi@csundef{persianfont}{%
4202 \PackageError{xepersian}{You have not specified any font\MessageBreak
4203 for the main Persian text}{Use \settextfont' to load a font.}%
4204 }{}
4205 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4206 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4207 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4208 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4209 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4210 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4211 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4212 \ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4213 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4214 \ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
4215 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4216 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4217 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4218 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}

```



```

4219 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4220 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4221 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4222 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4223 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4224 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4225 \ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
4226 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
4227 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4228 \ifclassloaded{article}{\input{article-xepersian.def}}{}
4229 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4230 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4231 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4232 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4233 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4234 \ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4235 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4236 \ifclassloaded{report}{\input{report-xepersian.def}}{}
4237 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4238 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4239 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4240 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4241 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4242 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4243 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4244 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4245 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4246 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4247 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4248 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4249 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4250 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4251 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4252 \ifdefinitionfileloaded{extrafootnotefeatures-xetex-bidi}{\input{extrafootnotefeatures-xepersian.def}}{}
4253
4254 \newtoks\xepersian@toks
4255 \def\xepersian@tempa#1{%
4256 \long\def\xepersian@@sp@def##1##2{%
4257 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4258 \long\def\xepersian@@sp@d{%
4259 \ifx\xepersian@resa\@sptoken
4260 \expandafter\xepersian@@sp@b
4261 \else
4262 \expandafter\xepersian@@sp@b\expandafter#1%
4263 \fi}%
4264 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4265 }
4266 \xepersian@tempa{ }
4267 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4268 \def\xepersian@@fontsize@branch#1{%
4269 \@tempcnta\z@
4270 \for\xepersian@tmp:=#1\do{%
4271 \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
4272 \ifcase\@tempcnta\relax% cnta == 0

```



```

4273     \edef\xepersian@value{\xepersian@frag}%
4274     \setfontsize{\xepersian@frag}%
4275     \or% cnta == 1
4276         \setfontsize[\xepersian@frag]{\xepersian@value}%
4277     \else\fi
4278     \advance\@tempcnta\@ne}%
4279 }
4280
4281 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4282     \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
4283 }{}{}
4284
4285 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4286     \@tempkipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
4287 }{}{}
4288
4289
4290 \newcommand*{\xepersian@@@update@math@fontsize}[1]{%
4291     \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
4292     \dimexpr 1pt * \dimexpr #1 pt\relax /
4293     \dimexpr \xepersian@@@fontsize@scale pt\relax
4294     \relax\relax
4295 }
4296
4297 \bidi@patchcmd{\getanddefine@fonts}{%
4298     \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4299 }{%
4300     \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size\endcsname}%
4301 }{}{}
4302
4303 \bidi@patchcmd{\getanddefine@fonts}{%
4304     \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4305 }{%
4306     \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sf@size\endcsname}%
4307 }{}{}
4308
4309 \bidi@patchcmd{\getanddefine@fonts}{%
4310     \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4311 }{%
4312     \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size\endcsname}%
4313 }{}{}
4314
4315
4316 \if\xepersian@@@computeautoilg
4317 \bidi@patchcmd{\set@fontsize}{%
4318     \baselineskip\font@baselineskip\relax
4319 }{%
4320     \baselineskip\font@baselineskip\relax
4321     \xepersian@@@computeautoilg
4322     \ifdim\xepersian@strutilg>\baselineskip
4323         \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4324         \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4325         \baselineskip\xepersian@strutilg
4326         \ifdim\footnotesep=.7\baselineskip

```



```

4327 \else
4328 \footnotesep.7\baselineskip
4329 \fi
4330 \fi
4331 }{}{}
4332 \fi
4333
4334 \AtEndOfPackage{%
4335 \setlatintextfont[%
4336 Path,%
4337 BoldFont={lmroman10-bold},%
4338 BoldItalicFont={lmroman10-bolditalic},%
4339 ItalicFont={lmroman10-italic},%
4340 SmallCapsFont={lmromancaps10-regular},%
4341 SlantedFont={lmromanslant10-regular},%
4342 BoldSlantedFont={lmromanslant10-bold}%
4343 ]{lmroman10-regular}
4344 }
4345 \PersianAlphs

```

## 62 File xepersian-magazine.cls

```

4346 \NeedsTeXFormat{LaTeX2e}
4347 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4348 \RequirePackage{ifthen}
4349 \newlength{\xepersian@imgsize}
4350 \newlength{\xepersian@coltitsize}
4351 \newlength{\xepersian@pageneed}
4352 \newlength{\xepersian@pageleft}
4353 \newlength{\xepersian@indexwidth}
4354 \newcommand{\xepersian@ncolumns}{0}
4355 \newlength{\columnlines}
4356 \setlength{\columnlines}{0 pt} % no lines by default
4357 \newboolean{xepersian@hyphenatedtitles}
4358 \setboolean{xepersian@hyphenatedtitles}{true}
4359 \newboolean{xepersian@ninepoints}
4360 \setboolean{xepersian@ninepoints}{false}
4361 \newboolean{xepersian@showgrid}
4362 \setboolean{xepersian@showgrid}{false}
4363 \newboolean{xepersian@a3paper}
4364 \setboolean{xepersian@a3paper}{false}
4365 \newboolean{xepersian@insidefrontpage}
4366 \setboolean{xepersian@insidefrontpage}{false}
4367 \newboolean{xepersian@insideweather}
4368 \setboolean{xepersian@insideweather}{false}
4369 \newboolean{xepersian@insideindex}
4370 \setboolean{xepersian@insideindex}{false}
4371 \newcount\xepersian@gridrows
4372 \newcount\xepersian@gridcolumns
4373 \xepersian@gridrows=40
4374 \xepersian@gridcolumns=50
4375 \newcount\minraggedcols
4376 \minraggedcols=5
4377 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}

```



```

4378 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4379 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4380 \DeclareOption{twocolumn}%
4381 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4382 \DeclareOption{notitlepage}%
4383 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4384 \DeclareOption{twoside}%
4385 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4386 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4387 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4388 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4389 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4390 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4391 \ProcessOptions\relax
4392 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4393 \RequirePackage{ifxetex}
4394 \RequirePackage{multido}
4395 \RequirePackage{datetime}
4396 \RequirePackage{multicol}
4397 \RequirePackage{fancyhdr}
4398 \RequirePackage{fancybox}
4399 \ifthenelse{\boolean{xepersian@a3paper}}{%
4400 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4401 }{
4402 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4403 }
4404 \RequirePackage[absolute]{textpos} % absolute positioning
4405 \RequirePackage{hyphenat} % when hyphenate
4406 \RequirePackage{lastpage} % to know the last page number
4407 \RequirePackage{setspace} % set space between lines
4408 \RequirePackage{ragged2e}
4409 \newcommand{\raggedFormat}{\RaggedLeft}
4410 \AtEndOfClass{\xepersianInit}
4411 \ifthenelse{\boolean{xepersian@showgrid}}{%
4412 \AtBeginDocument{
4413 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4414 \advance\minraggedcols by -1
4415 }{%
4416 \AtBeginDocument{
4417 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4418 \advance\minraggedcols by -1
4419 }
4420 \ifthenelse{\boolean{xepersian@ninepoints}}{
4421 \renewcommand{\normalsize}{%
4422 \setfontsize{\normalsize}{9pt}{10pt}%
4423 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4424 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4425 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4426 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4427
4428 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4429
4430 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4431

```





```

4432 \renewcommand{\small}{%
4433   \@setfontsize{\small}{8pt}{9pt}%
4434   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4435   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4436   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4437   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4438
4439 \renewcommand{\footnotesize}{%
4440   \@setfontsize{\footnotesize}{8pt}{9pt}%
4441   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4442   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4443   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4444   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4445
4446 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4447 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4448 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4449 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4450 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4451 }{}
4452 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4453 \newcommand{\xepersian@wwwFormat}{\sffamily}
4454 \newcommand{\xepersian@www}{%
4455   \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4456 }
4457 \newcommand{\xepersian@edition}{
4458   \newcommand{\editionFormat}{\large\bfseries\texttt}
4459   \newcommand{\xepersian@editionLogo}{%
4460     \raisebox{-3pt}{%
4461       {\editionFormat\xepersian@edition}%
4462     }}%
4463 }
4464 \newcommand{\indexFormat}{\large\bfseries}
4465 \newcommand{\xepersian@indexFrameTitle}[1]
4466 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4467
4468 \newcommand{\indexEntryFormat}{\normalsize}
4469 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4470 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4471 \end{minipage}}
4472 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4473 \newcommand{\indexEntryPageTxt}{
4474 \newcommand{\indexEntryPageFormat}{\footnotesize}
4475 \newcommand{\xepersian@indexEntryPage}[1]{%
4476 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4477 }
4478 \newcommand{\headDateTimeFormat}{}
4479 \newcommand{\xepersian@headDateTime}{%
4480 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4481 \currenttime %
4482 }
4483 \newcommand{\weatherFormat}{\bfseries}
4484 \newcommand{\xepersian@weather}[1]{%
4485 \noindent{\weatherFormat #1}%

```



```

4486 }
4487 \newcommand{\weatherTempFormat}{\small}
4488 \newcommand{\weatherUnits}{\textdegree}C}
4489 \newcommand{\xepersian@section}[0]{ {
4490 \newcommand{\xepersian@headleft}{%
4491 {\small\bfseries \@custommagazinename} \date
4492 }
4493 \newcommand{\xepersian@headcenter}{%
4494 \xepersian@section{}
4495 }
4496 \newcommand{\xepersian@headright}{%
4497 \small\xepersian@edition%
4498 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4499 }
4500
4501 \newcommand{\heading}[3]{%
4502 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4503 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4504 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4505 }
4506 \newcommand{\xepersian@footright}{%
4507 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4508 }
4509 \newcommand{\xepersian@footcenter}{%
4510 }
4511 \newcommand{\xepersian@footleft}{%
4512 }
4513
4514 \newcommand{\foot}[3]{%
4515 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4516 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4517 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4518 }
4519 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4520 \newcommand{\xepersian@firstTitle}[1]{%
4521 {%
4522 \begin{spacing}{2.0}{%
4523 \noindent\ignorespaces
4524 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4525 {\nohyphens{\firstTitleFormat #1}}%
4526 {\firstTitleFormat #1}}%
4527 }%
4528 \end{spacing}%
4529 }%
4530 }
4531 \newcommand{\firstTextFormat}{%
4532 \newcommand{\xepersian@firstText}[1]{%
4533 {\noindent\ignorespaces\firstTextFormat #1}%
4534 }
4535 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4536 \newcommand{\xepersian@secondTitle}[1]{%
4537 \begin{spacing}{1.5}{%
4538 \noindent\ignorespaces\flushright
4539 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%

```



```

4540 {\nohyphens{\secondTitleFormat #1}}%
4541 {\secondTitleFormat #1}}%
4542 }\end{spacing}%
4543 }
4544 \newcommand{\secondSubtitleFormat}{\large}
4545 \newcommand{\xepersian@secondSubtitle}[1]{%
4546 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4547 }
4548 \newcommand{\secondTextFormat}{%
4549 \newcommand{\xepersian@secondText}[1]{%
4550 \begin{multicols}{2}
4551 {\noindent\ignorespaces\secondTextFormat #1}
4552 \end{multicols}
4553 }
4554 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4555 \newcommand{\xepersian@thirdTitle}[1]{%
4556 \begin{spacing}{1.5}{%
4557 \noindent\ignorespaces\flushright
4558 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4559 {\nohyphens{\thirdTitleFormat #1}}%
4560 {\thirdTitleFormat #1}}%
4561 }\end{spacing}%
4562 }
4563 \newcommand{\thirdSubtitleFormat}{\large}
4564 \newcommand{\xepersian@thirdSubtitle}[1]{%
4565 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4566 \newcommand{\thirdTextFormat}{%
4567 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4568 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4569 \newcommand{\xepersian@pictureCaption}[1]{%
4570 {\noindent\pictureCaptionFormat #1}}%
4571 }
4572 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4573 \newcommand{\xepersian@pages}[1]{%
4574 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4575 \newcommand{\innerTitleFormat}{\Huge}
4576 \newcommand{\xepersian@innerTitle}[1]{%
4577 \begin{flushright}{%
4578 \noindent
4579 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4580 {\nohyphens{\innerTitleFormat #1}}%
4581 {\innerTitleFormat #1}}%
4582 }%
4583 \\\%
4584 \end{flushright}}%
4585 }
4586 \newcommand{\innerSubtitleFormat}{\large}
4587 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4588 \newcommand{\timestampTxt}{%
4589 \newcommand{\timestampSeparator}{|}
4590 \newcommand{\timestampFormat}{\small}
4591 \newcommand{\timestamp}[1]{%
4592 {\timestampFormat%
4593 #1~\timestampTxt}}%

```



```

4594 }~\timestampSeparator{}%
4595 }
4596 \newcommand{\innerAuthorFormat}{\footnotesize}
4597 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4598 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4599 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4600 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4601 \newcommand{\editorialAuthorFormat}{\textsc}
4602 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4603 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4604 \newcommand{\shortarticleSubtitleFormat}{\Large}
4605 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4606 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4607 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4608 \renewcommand{\maketitle}{\begin{titlepage}%
4609 \let\footnotesize\small
4610 \let\footnoterule\relax
4611 \let \footnote \thanks
4612 \null\vfil
4613 \vskip 60\p@
4614 \begin{center}%
4615 {\LARGE \@title \par}%
4616 \vskip 1em%
4617 {\LARGE «\xepersian@edition» \par}%
4618 \vskip 3em%
4619 {\large
4620 \lineskip .75em%
4621 \begin{tabular}[t]{c}%
4622 \@author
4623 \end{tabular}\par}%
4624 \vskip 1.5em%
4625 {\large \@date \par}%
4626 \end{center}\par
4627 \@thanks
4628 \vfil\null
4629 \end{titlepage}%
4630 \setcounter{footnote}{0}%
4631 \global\let\thanks\relax
4632 \global\let\maketitle\relax
4633 \global\let\@thanks\@empty
4634 \global\let\@author\@empty
4635 \global\let\@date\@empty
4636 \global\let\@title\@empty
4637 \global\let\title\relax
4638 \global\let\author\relax
4639 \global\let\date\relax
4640 \global\let\and\relax
4641 }
4642 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4643 \newsavebox{\xepersian@fmbox}
4644 \newenvironment{xepersian@fmpage}[1]
4645 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4646 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4647 \newcommand{\image}[2]{

```



```

4648 \vspace{5pt}
4649 \setlength{\fboxsep}{1pt}
4650 \addtolength{\xepersian@imgsize}{\columnwidth}
4651 \addtolength{\xepersian@imgsize}{-1\columnsep}
4652 \ifxetex
4653 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4654 \addtolength{\xepersian@pageneed}{50pt}
4655 \ClassWarning{xepersian-magazine}{%
4656 Image #1 needs: \the\xepersian@pageneed \space %
4657 and there is left: \the\page@free\space%
4658 }
4659 \ifdim \xepersian@pageneed < \page@free
4660
4661 {\centering\fbox{%
4662 \includegraphics[width = \xepersian@imgsize,
4663 height = \xepersian@imgsize,
4664 keepaspectratio ]{#1}}
4665 \xepersian@pictureCaption{#2}
4666
4667 \vspace{5pt}
4668 \else
4669 \ClassWarning{Image #1 needs more space!%
4670 It was not inserted!}
4671 \fi
4672 \fi
4673 }
4674 \textblockorigin{1cm}{1cm}
4675 \newdimen\xepersian@dx
4676 \newdimen\xepersian@dy
4677 \newcount\xepersian@cx
4678 \newcount\xepersian@cy
4679 \newcommand{\grid}[3][ ]{
4680 \xepersian@dx=\textwidth%
4681 \xepersian@dy=\textheight%
4682 \xepersian@cx=#3% %columns
4683 \xepersian@cy=#2% %rows
4684
4685 \count1=#3%
4686 \advance\count1 by 1
4687
4688 \count2=#2%
4689 \advance\count2 by 1
4690
4691 \divide\xepersian@dx by #3
4692 \divide\xepersian@dy by #2
4693
4694 \setlength{\TPHorizModule}{\xepersian@dx}
4695 \setlength{\TPVertModule}{\xepersian@dy}
4696
4697 \ifthenelse{\equal{#1}{show}}{
4698 \multido{\xepersian@nrow=0+1}{\count2}{
4699 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4700 \rule[0pt]{\textwidth}{.1pt}
4701 \end{textblock}

```



```

4702 }
4703
4704 \multido{\xepersian@ncol=0+1}{\count1}{
4705 \begin{textblock}{\xepersian@cy}{\xepersian@ncol,0}
4706 \rule[0pt]{.1pt}{\textheight}
4707 \end{textblock}
4708 }
4709 }{}
4710 }
4711 \newcommand{\xepersianInit}{
4712 \setlength{\headheight}{14pt}
4713 \renewcommand{\headrulewidth}{0.4pt}
4714
4715 \pagestyle{fancy}
4716
4717 \setlength{\columnseprule}{\columnlines}
4718 \setlength{\fboxrule}{0.1 pt}
4719
4720 }
4721
4722 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4723 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4724 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
4725 \newcommand{\logo}[0]{
4726 %% Heading %%
4727 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4728
4729 \vspace*{-3pt}
4730
4731 {\Large\bfseries \@customlogo}
4732 \hrulefill
4733 \hspace{10pt}\xepersian@headDateTime
4734
4735 }
4736 \newcommand{\minilogo}[0]{
4737 {\large\bfseries \@customminilogo}
4738
4739 \vspace*{5pt}
4740 }
4741 \newcommand{\mylogo}[1]{
4742 {\beginR#1\endR}
4743
4744 \noindent
4745 \xepersian@editionLogo\hspace{5pt}
4746 \hrulefill
4747 \hspace{5pt}\xepersian@headDateTime
4748 }
4749 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4750 \newenvironment{frontpage}[0]
4751 {
4752 \setboolean{xepersian@insidefrontpage}{true}
4753 \thispagestyle{empty}
4754 \logo
4755

```



```

4756 }%
4757 {
4758 \thispagestyle{empty}
4759 \clearpage
4760 \newpage
4761 \fancyhead{}
4762 \fancyfoot{}
4763 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4764 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4765 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4766 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4767 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4768 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4769 \renewcommand{\headrulewidth}{0.4pt}
4770 \setboolean{xepersian@insidefrontpage}{false}
4771
4772 }
4773 \newcommand{\firstarticle}[3]
4774 {
4775 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4776 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4777 \begin{textblock}{24}(22,5)
4778 }
4779 {
4780 \begin{textblock}{28}(22,5)
4781 }
4782 \vspace{-7pt}
4783 \xepersian@firstTitle{#1}
4784 \end{textblock}
4785 \begin{textblock}{29}(22,10)
4786 \vspace{5pt plus 2pt minus 2pt}
4787
4788 \xepersian@firstText{\timestamp{#3}~#2}
4789
4790 \end{textblock}
4791
4792 \begin{textblock}{50}(0,15)
4793 \rule{50\TPHorizModule}{.3pt}
4794 \end{textblock}
4795 }{%else
4796 \ClassError{xepersian-magazine}{%
4797 \protect\firstarticle\space in a wrong place.\MessageBreak
4798 \protect\firstarticle\space may only appear inside frontpage environment.
4799 }{%
4800 \protect\firstarticle\space may only appear inside frontpage environment.
4801 }%
4802 }
4803 }
4804 \newcommand{\secondarticle}[5]
4805 {
4806 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4807 \begin{textblock}{33}(2,16)
4808 \xepersian@pages{#4}
4809 \vspace{-5pt}

```



```

4810 \xepersian@secondTitle{#1}
4811
4812 \vspace*{5pt}
4813
4814 \xepersian@secondSubtitle{#2}
4815
4816 \vspace*{-7pt}
4817
4818 \xepersian@secondText{\timestamp{#5}~#3}
4819
4820 \end{textblock}
4821
4822 \begin{textblock}{33}(2,25)
4823 \vspace{5pt plus 2pt minus 2pt}
4824
4825 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4826 \end{textblock}
4827 }{%else
4828 \ClassError{xepersian-magazine}{%
4829 \protect\secondarticle\space in a wrong place.\MessageBreak
4830 \protect\secondarticle\space may only appear inside frontpage environment.
4831 }{%
4832 \protect\secondarticle\space may only appear inside frontpage environment.
4833 }%
4834 }
4835 }
4836 \newcommand{\thirdarticle}[6]
4837 {
4838 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4839 \begin{textblock}{32}(2,26)
4840 \xepersian@pages{#5}
4841 \vspace{-5pt}
4842 \setlength{\fboxsep}{1pt}
4843 \xepersian@thirdTitle{#1}
4844
4845 \vspace*{5pt}
4846
4847 \xepersian@thirdSubtitle{#2}
4848
4849 \vspace*{5pt}
4850
4851 {\noindent\ignorespaces %
4852 \ifthenelse{\equal{#4}{}}{}{}
4853
4854 \xepersian@thirdText{\timestamp{#6}~#3}
4855
4856 }
4857
4858 \vspace*{5pt}
4859
4860 \end{textblock}
4861 }{%else
4862 \ClassError{xepersian-magazine}{%
4863 \protect\thirdarticle\space in a wrong place.\MessageBreak

```





```

4864 \protect\thirdarticle\space may only appear inside frontpage environment.
4865 }{%
4866 \protect\thirdarticle\space may only appear inside frontpage environment.
4867 }%
4868 }
4869 }
4870 \newcommand{\firstimage}[2]
4871 {
4872 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4873 \begin{textblock}{18}(2,5)
4874 \setlength{\fboxsep}{1pt}
4875 \ifxetex % only in PDF
4876 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4877 \fi
4878
4879 \xepersian@pictureCaption{#2}
4880 \end{textblock}}%
4881 }
4882 {\ClassError{xepersian-magazine}}{%
4883 \protect\firstimage\space in a wrong place.\MessageBreak
4884 \protect\firstimage\space may only appear inside frontpage environment.
4885 }{%
4886 \protect\firstimage\space may only appear inside frontpage environment.
4887 }}
4888 }%
4889 \newcommand{\weatheritem}[5]{%
4890 \ifthenelse{\boolean{xepersian@insideweather}}{
4891 \begin{minipage}{45pt}
4892 \ifxetex
4893 \includegraphics[width=40pt]{#1}
4894 \fi
4895 \end{minipage}
4896 \begin{minipage}{50pt}
4897 \weatherTempFormat
4898 #2\\
4899 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4900 #5
4901 \end{minipage}
4902 }{%else
4903 \ClassError{xepersian-magazine}}{%
4904 \protect\weatheritem\space in a wrong place.\MessageBreak
4905 \protect\weatheritem\space may only appear inside weatherblock environment.
4906 }{%
4907 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4908 weatherblock environment may only appear inside frontpage environment.
4909 }%
4910 }
4911 }
4912 \newenvironment{weatherblock}[1]
4913 {
4914 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4915 \setboolean{xepersian@insideweather}{true}
4916 \begin{textblock}{32}(2,38)
4917 \vspace*{-15pt}

```



```

4918
4919 \xepersian@weather{\beginR#1\endR}
4920
4921 \vspace*{5pt}
4922
4923 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4924 \begin{minipage}{32\TPHorizModule}
4925 \hspace{5pt}
4926
4927 }{%
4928 \ClassError{xepersian-magazine}{%
4929 weatherblock in a wrong place.\MessageBreak
4930 weatherblock may only appear inside frontpage environment.
4931 }{%
4932 weatherblock may only appear inside frontpage environment.
4933 }
4934 }
4935 }%
4936 {
4937 \end{minipage}
4938 \end{xepersian@fmpage}
4939 \end{textblock}
4940 \setboolean{xepersian@insideweather}{false}
4941 }
4942 \newenvironment{authorblock}[0]
4943 {
4944 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4945 \begin{textblock}{15}(36,35)
4946 \setlength{\fboxsep}{5pt}
4947 \begin{xepersian@fmpage}{13\TPHorizModule}
4948 \begin{minipage}{13\TPHorizModule}
4949 \centering
4950 \minilogo
4951
4952 }{%else
4953 \ClassError{xepersian-magazine}{%
4954 authorblock in a wrong place.\MessageBreak
4955 authorblock may only appear inside frontpage environment.
4956 }{%
4957 authorblock may only appear inside frontpage environment.
4958 }
4959 }
4960 }
4961 {
4962 \end{minipage}
4963 \end{xepersian@fmpage}
4964 \end{textblock}
4965 }
4966 \newenvironment{indexblock}[1]
4967 {
4968 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4969 \setboolean{xepersian@insideindex}{true}%let's in
4970 \begin{textblock}{15}(36,16)
4971 \setlength{xepersian@indexwidth}{13\TPHorizModule}

```



```

4972 \xepersian@indexFrameTitle{#1}
4973
4974 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4975 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4976 \begin{minipage}{\xepersian@indexwidth}
4977 \vspace*{10pt}
4978 }{%else
4979 \ClassError{xepersian-magazine}{%
4980 indexblock in a wrong place.\MessageBreak
4981 indexblock may only appear inside frontpage environment.
4982 }{%
4983 indexblock may only appear inside frontpage environment.
4984 }
4985 }
4986 }%
4987 {
4988 \end{minipage}
4989 \end{xepersian@fmpage}
4990 \end{textblock}
4991 \setboolean{xepersian@insideindex}{false}%let's out
4992 }
4993 \newcommand{\indexitem}[2]
4994 {
4995 \ifthenelse{\boolean{xepersian@insideindex}}{
4996 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4997
4998 \vspace{0.5cm}
4999
5000 \noindent\ignorespaces\indexEntrySeparator{}
5001 }{%else
5002 \ClassError{xepersian-magazine}{%
5003 \protect\indexitem\space in a wrong place.\MessageBreak
5004 \protect\indexitem\space may only appear inside indexblock environment.
5005 }{%
5006 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5007 indexblock environment may only appear inside frontpage environment.
5008 }%
5009 }
5010 }
5011 \newcommand{\xepersian@inexpandedtitle}[1]{
5012 \begin{minipage}{.95\textwidth}
5013 \begin{center}
5014 \noindent\Large\textbf{\beginR#1\endR}
5015 \end{center}
5016 \end{minipage}
5017 }
5018 \newcommand{\expandedtitle}[2]{
5019 \end{multicols}
5020
5021 \begin{center}
5022 \setlength{\fboxsep}{5pt}
5023 \setlength{\shadowsize}{2pt}
5024 \ifthenelse{\equal{#1}{shadowbox}}{%
5025 \shadowbox{%

```



```

5026 \xepersian@inexpandedtitle{#2}%
5027 }%
5028 {}
5029 \ifthenelse{\equal{#1}{doublebox}}{%
5030 \doublebox{%
5031 \xepersian@inexpandedtitle{#2}%
5032 }%
5033 {}
5034 \ifthenelse{\equal{#1}{ovalbox}}{%
5035 \ovalbox{%
5036 \xepersian@inexpandedtitle{#2}%
5037 }%
5038 {}
5039 \ifthenelse{\equal{#1}{Ovalbox}}{%
5040 \Ovalbox{%
5041 \xepersian@inexpandedtitle{#2}%
5042 }%
5043 {}
5044 \ifthenelse{\equal{#1}{lines}}{
5045 \hrule
5046 \vspace*{8pt}
5047 \begin{center}
5048 \noindent\Large\textbf{#2}
5049 \end{center}
5050 \vspace*{8pt}
5051 \hrule
5052 }{
5053 \end{center}
5054
5055 \begin{multicols}{\xepersian@ncolumns}}
5056 \ifnum \xepersian@ncolumns > \minraggedcols
5057 \raggedFormat
5058 \fi
5059 }
5060 \newcommand{\xepersian@incolumntitle}[2]{
5061 \begin{minipage}{#1}
5062 \begin{center}
5063 \noindent\normalsize\textbf{#2}
5064 \end{center}
5065 \end{minipage}
5066 }
5067
5068 \newcommand{\columnntitle}[2]{
5069 \vspace*{5pt}
5070 \begin{center}
5071 \setlength{\fboxsep}{5pt}
5072 \setlength{\shadowsize}{2pt}
5073 \addtolength{\xepersian@coltitsize}{\columnwidth}
5074 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5075 \addtolength{\xepersian@coltitsize}{-5pt}
5076 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5077 \ifthenelse{\equal{#1}{shadowbox}}{%
5078 \shadowbox{%
5079 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%

```



```

5080 }%
5081 }{}
5082 \ifthenelse{\equal{#1}{doublebox}}{%
5083 \doublebox{%
5084 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5085 }%
5086 }{}
5087 \ifthenelse{\equal{#1}{ovalbox}}{%
5088 \ovalbox{%
5089 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5090 }%
5091 }{}
5092 \ifthenelse{\equal{#1}{Ovalbox}}{%
5093 \Ovalbox{%
5094 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5095 }%
5096 }{}
5097 \ifthenelse{\equal{#1}{lines}}{
5098 \hrule
5099 \vspace*{5pt}
5100 \begin{center}
5101 \noindent\normalsize\textbf{#2}
5102 \end{center}
5103 \vspace*{5pt}
5104 \hrule
5105 }{}
5106 \end{center}
5107 }
5108 \renewcommand{\date}{%
5109 \longdate{\today}%
5110 }
5111 \newcommand{\authorandplace}[2]{%
5112 \rightline{%
5113 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5114 }%
5115 \par %
5116 }
5117 \newcommand{\newsection}[1]{
5118 \renewcommand{\xepersian@section}{#1}
5119 }
5120 \newenvironment{article}[5]
5121 {
5122 \xepersian@say{Adding a new piece of article}
5123 \renewcommand{\xepersian@ncolumns}{#1}
5124 \begin{multicols}{#1}[
5125 \xepersian@pages{#4}
5126 \xepersian@innerTitle{#2}%
5127 \xepersian@innerSubtitle{#3}%
5128 ] [4cm]%
5129 \label{#5}
5130 \ifnum #1 > \minraggedcols
5131 \raggedFormat
5132 \fi
5133 }

```



```

5134 {-\innerTextFinalMark{}}
5135 \end{multicols}
5136 }
5137 \newcommand{\articlesep}{%
5138 \setlength{\xepersian@pageneed}{16000pt}
5139 \setlength\xepersian@pageleft{\pagegoal}
5140 \addtolength\xepersian@pageleft{-\pagetotal}
5141
5142 \xepersian@say{How much left \the\xepersian@pageleft}
5143
5144 \ifdim \xepersian@pageneed < \xepersian@pageleft
5145 \xepersian@say{Not enough space}
5146 \else
5147 \xepersian@say{Adding sep line between articles}
5148 \vspace*{10pt plus 10pt minus 5pt}
5149 \hrule
5150 \vspace*{10pt plus 5pt minus 5pt}
5151 \fi
5152
5153 }
5154 \newcommand{\xepersian@editorialTit}[2]{
5155 \setlength{\arrayrulewidth}{.1pt}
5156 \begin{center}
5157 \begin{tabular}{c}
5158 \noindent
5159 \xepersian@editorialTitle{#1}
5160 \vspace{2pt plus 1pt minus 1pt}
5161 \\
5162 \hline
5163 \vspace{2pt plus 1pt minus 1pt}
5164 \\
5165 \editorialAuthorFormat{#2}
5166 \end{tabular}
5167 \end{center}
5168 }
5169 \newenvironment{editorial}[4]
5170 {
5171 \xepersian@say{Adding a new editorial}
5172 \begin{multicols}{#1}[%
5173 \xepersian@editorialTit{#2}{#3}%
5174 ][4cm]
5175 \label{#4}
5176 \ifnum #1 > \minraggedcols
5177 \raggedFormat
5178 \fi
5179 }
5180 {
5181 \end{multicols}
5182 }
5183 \newcommand{\xepersian@shortarticleTit}[2]{
5184 \begin{center}
5185 \vbox{%
5186 \noindent
5187 \xepersian@shortarticleTitle{#1}

```



```

5188 \vspace{4pt plus 2pt minus 2pt}
5189 \hrule
5190 \vspace{4pt plus 2pt minus 2pt}
5191 \xepersian@shortarticleSubtitle{#2}
5192 }
5193 \end{center}
5194 }
5195 \newenvironment{shortarticle}[4]
5196 {
5197 \xepersian@say{Adding a short article block}
5198 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5199 \label{#4}
5200 \par %
5201 \ifnum #1 > \minraggedcols
5202 \raggedFormat
5203 \fi
5204 }
5205 {
5206 \end{multicols}
5207 }
5208 \newcommand{\shortarticleitem}[2]{
5209 \goodbreak
5210 \vspace{5pt plus 3pt minus 3pt}
5211 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5212 \vspace{5pt plus 3pt minus 3pt}
5213 {\noindent #2}\\
5214 }

```

## 63 File xepersian-mathdigitsspec.sty

```

5215 \NeedsTeXFormat{LaTeX2e}
5216 \ProvidesPackage{xepersian-mathdigitsspec}
5217 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5218 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5219 \let\newfam\new@mathgroup
5220 \def\select@group#1#2#3#4{%
5221 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5222 {%
5223 \ifmmode
5224 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5225 \begingroup
5226 \escapechar\m@ne
5227 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5228 \globaldefs\@ne \math@fonts
5229 \endgroup
5230 \init@restore@version
5231 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5232 {\number\csname c@mv@\math@version\endcsname}}%
5233 \global\advance\csname c@mv@\math@version\endcsname\@ne
5234 \else
5235 \let#1\relax
5236 \@latex@error{Too many math alphabets used in
5237 version \math@version}%
5238 \@eha

```



```

5239 \fi
5240 \else \expandafter\non@alpherr\fi
5241 #1{#4}%
5242 }%
5243 }
5244 \def\document@select@group#1#2#3#4{%
5245 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5246 {%
5247 \ifmmode
5248 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5249 \begingroup
5250 \escapechar\m@ne
5251 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5252 \globaldefs\@ne \math@fonts
5253 \endgroup
5254 \expandafter\extract@alph@from@version
5255 \csname mv@\math@version\expandafter\endcsname
5256 \expandafter{\number\csname
5257 c@mv@\math@version\endcsname}%
5258 #1%
5259 \global\advance\csname c@mv@\math@version\endcsname\@ne
5260 \else
5261 \let#1\relax
5262 \@latex@error{Too many math alphabets used
5263 in version \math@version}%
5264 \@eha
5265 \fi
5266 \else \expandafter\non@alpherr\fi
5267 #1{#4}%
5268 }%
5269 }
5270 \ExplSyntaxOn
5271 \bool_set_false:N \g__fontspec_math_bool
5272 \tl_map_inline:nn
5273 {
5274 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5275 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5276 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5277 \version@list\version@elt\alpha@list\alpha@elt
5278 \restore@mathversion\init@restore@version\dorestore@version\process@table
5279 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5280 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5281 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5282 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5283 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5284 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5285 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5286 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5287 }
5288 {
5289 \tl_remove_once:Nn \@preamblecmds {\do#1}
5290 }
5291 \ExplSyntaxOff
5292 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}

```





```

5293 \newcommand\SetMathCode[4]{%
5294   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5295 \newcommand\SetMathCharDef[4]{%
5296   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5297 \ExplSyntaxOn
5298 \cs_new_eq:NN \orig_mathbf:n \mathbf
5299 \cs_new_eq:NN \orig_mathit:n \mathit
5300 \cs_new_eq:NN \orig_mathrm:n \mathrm
5301 \cs_new_eq:NN \orig_mathsf:n \mathsf
5302 \cs_new_eq:NN \orig_mathtt:n \mathtt
5303 %\int_const:Nn \c_one_int { 1 }
5304 \NewDocumentCommand \new@mathbf { m } {
5305   \orig_mathbf:n {
5306     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5307       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5308     }
5309     #1
5310   }
5311 }
5312 \NewDocumentCommand \new@mathit { m } {
5313   \orig_mathit:n {
5314     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5315       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5316     }
5317     #1
5318   }
5319 }
5320 \NewDocumentCommand \new@mathrm { m } {
5321   \orig_mathrm:n {
5322     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5323       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5324     }
5325     #1
5326   }
5327 }
5328 \NewDocumentCommand \new@mathsf { m } {
5329   \orig_mathsf:n {
5330     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5331       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5332     }
5333     #1
5334   }
5335 }
5336 \NewDocumentCommand \new@mathtt { m } {
5337   \orig_mathtt:n {
5338     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5339       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5340     }
5341     #1
5342   }
5343 }
5344
5345 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {xepersian-mathdigit
5346 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn

```



```

5347 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5348 \char_set_catcode_space:n {32}
5349 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5350 {
5351   The font "#1" does not contain U+#2.
5352 }
5353 {
5354   Select another font and rerun xelatex.
5355 }
5356 \char_set_catcode_ignore:n {32}
5357
5358 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5359 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5360 {
5361   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5362   \prg_return_true:
5363   \else:
5364   \prg_return_false:
5365   \fi:
5366 }
5367
5368 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5369
5370 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5371 {
5372   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5373   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5374     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5375   }
5376 }
5377
5378 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5379 {
5380   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5381   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5382     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5383   }
5384 }
5385
5386 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5387 {
5388   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5389   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5390     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5391   }
5392 }
5393
5394 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5395 {
5396   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5397     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5398     06F9 , 066A , 066B
5399   } { #1 }
5400 }

```



```

5401
5402 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5403 {
5404   \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5405 }
5406 \cs_new:Nn \_xepersian_main_setmathdigitfont:nn
5407 {
5408   \let\glb@currsizel relax
5409   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Ligatures=PersianTeX,#1} {#2}
5410   \_xepersian_setmathdigitfont_hook:nn {#1} {#2}
5411   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5412   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
5413   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5414   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5415   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigit
5416   \_xepersian_mathdigitfontspec_char_not_exist_error:n { #2 }
5417   \def\persianmathdigits{%
5418     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5419     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5420     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5421     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5422     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5423     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5424     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5425     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5426     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5427     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5428     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5429     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5430     \tl_set_eq:NN \mathbf \new@mathbf
5431     \tl_set_eq:NN \mathit \new@mathit
5432     \tl_set_eq:NN \mathrm \new@mathrm}
5433 }
5434
5435 \cs_set_eq:NN \_xepersian_setmathdigitfont_hook:nn \use_none:nn
5436
5437 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5438 {
5439   \_xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5440 }
5441 \cs_new:Nn \_xepersian_main_setmathsfdigitfont:nn
5442 {
5443   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5444   \_xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5445   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5446   \_xepersian_mathdigitfontspec_char_not_exist_error:n { #2 }
5447   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5448 }
5449
5450 \cs_set_eq:NN \_xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5451
5452 \DeclareDocumentCommand \setmathttt digitfont { 0{} m 0{} }
5453 {
5454   \_xepersian_main_setmathttt digitfont:nn {#1,#3} {#2}

```



```

5455 }
5456 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5457 {
5458   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5459   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5460   \DeclareSymbolFont{new@mathttd@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdigitfont_tl}{\g__xepersian_mathttdigitfont_hook}{\g__xepersian_mathttdigitfont_hook}
5461   \__xepersian_mathttdigitfont_spec_char_not_exist_error:n { #2 }
5462   \def\persianmathttdigits{\tl_set_eq:NN \mathttd \new@mathttd}
5463 }
5464
5465 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5466
5467 \ExplSyntaxOff
5468 \mathchardef\decimalseparator@point="013A
5469 %%
5470 % \catcode`\.=\active
5471 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5472 \bgroup
5473   \uccode`~`.\.%
5474   \uppercase{%
5475     \egroup
5476     \def~{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5477     \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}
5478     \def\decimalseparator@check#1#2{%
5479       \ifx\@let@token1\endgroup#1\else
5480         \ifx\@let@token2\endgroup#1\else
5481           \ifx\@let@token3\endgroup#1\else
5482             \ifx\@let@token4\endgroup#1\else
5483               \ifx\@let@token5\endgroup#1\else
5484                 \ifx\@let@token6\endgroup#1\else
5485                   \ifx\@let@token7\endgroup#1\else
5486                     \ifx\@let@token8\endgroup#1\else
5487                       \ifx\@let@token9\endgroup#1\else
5488                         \ifx\@let@token0\endgroup#1\else
5489                           \ifx\@let@token\dot\endgroup#1\else
5490                             \ifx\@let@token\overline\endgroup#1\else
5491                               \endgroup#2%
5492                             \fi
5493                           \fi
5494                         \fi
5495                       \fi
5496                     \fi
5497                   \fi
5498                 \fi
5499               \fi
5500             \fi
5501           \fi
5502         \fi
5503       \fi}
5504 \mathcode`\.= "8000\relax
5505 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalseparator}
5506 \def\DefaultMathDecimalSeparator{.}
5507 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5508 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}

```



```

5509 \def\DefaultMathDigits{%
5510   \DefaultInlineMathDigits%
5511   \DefaultDisplayMathDigits%
5512 }
5513 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5514   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5515   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5516   \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5517 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5518   \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5519   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5520   \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5521 \def\PersianMathDigits{%
5522   \PersianInlineMathDigits%
5523   \PersianDisplayMathDigits%
5524 }
5525 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5526   \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5527   \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5528   \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5529 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5530   \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5531   \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5532   \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5533 \def\AutoMathDigits{%
5534   \AutoInlineMathDigits%
5535   \AutoDisplayMathDigits%
5536 }
5537 \AutoMathDigits
5538 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5539   \let\SetDisplayMathDigits\relax%
5540 }
5541 \everydisplay\expandafter{%
5542   \the\everydisplay\SetDisplayMathDigits%
5543   \let\SetInlineMathDigits\relax%
5544 }
5545
5546 \ExplSyntaxOn
5547 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5548
5549 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5550   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5551     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5552   }
5553   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5554   \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5555   \tl_set_eq:NN \mathbf \orig_mathbf:n
5556   \tl_set_eq:NN \mathit \orig_mathit:n
5557   \tl_set_eq:NN \mathrm \orig_mathrm:n
5558   \tl_set_eq:NN \mathsf \orig_mathsf:n
5559   \tl_set_eq:NN \mathtt \orig_mathtt:n
5560 }
5561
5562 \NewDocumentCommand \SwitchToPersianMathDigits { } {

```



```

5563 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5564   \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5565 }
5566 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5567 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5568 \tl_set_eq:NN \mathbf \new@mathbf
5569 \tl_set_eq:NN \mathit \new@mathit
5570 \tl_set_eq:NN \mathrm \new@mathrm
5571 \tl_set_eq:NN \mathsf \new@mathsf
5572 \tl_set_eq:NN \mathtt \new@mathtt
5573 }
5574 \ExplSyntaxOff

```

## 64 File xepersian-multiplechoice.sty

```

5575 \NeedsTeXFormat{LaTeX2e}
5576 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5577   Multiple Choice Questionnaire class for Persian in XeLaTeX]
5578 \RequirePackage{pifont}
5579 \RequirePackage{fullpage}
5580 \RequirePackage{ifthen}
5581 \RequirePackage{calc}
5582 \RequirePackage{verbatim}
5583 \RequirePackage{tabularx}
5584 \def\@headerfont{\bfseries}
5585 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5586 \def\@X{X}
5587 \newcommand\X[1]{\gdef\@X{#1}}
5588 \def\pbs#1{\let\tmp=\@#1\let\=\tmp}
5589 \newcolumntype{D}{>{\pbs\centering}X}
5590 \newcolumntype{Q}{>{\@headerfont}X}
5591
5592 \renewcommand\tabularxcolumn[1]{m{#1}}
5593 \newcommand\makeform@nocorrection{%
5594   \addtocontents{frm}{\protect\end{tabularx}}
5595   \@starttoc{frm}}
5596 \newcommand\makeform@correction{%
5597   \addtocontents{frm}{\protect\end{tabularx}}}
5598 \newcommand\makemask@nocorrection{%
5599   \addtocontents{msk}{\protect\end{tabularx}}
5600   \@starttoc{msk}}
5601 \newcommand\makemask@correction{%
5602   \addtocontents{msk}{\protect\end{tabularx}}}
5603 \newlength\questionspace
5604 \setlength\questionspace{0pt}
5605 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5606 \def\@answerstitlefont{\bfseries}
5607 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5608 \def\@answernumberfont{\bfseries}
5609 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5610 \newcounter{question}\stepcounter{question}
5611 \newcounter{@choice}
5612 \def\@initcheck{%
5613   \xdef\@choices{\the@choice}%

```



```

5614 \setcounter{@choice}{1}%
5615 \gdef\arraydesc{|Q|}%
5616 \gdef\headerline{%
5617 \whiledo{\not{\value{@choice}>\@choices}}{
5618 \xdef\arraydesc{\arraydesc D|}
5619 \def\@appendheader{\g@addto@macro\@headerline}
5620 \@appendheader{&\protect\@headerfont}
5621 \edef\@the@choice{\alph{@choice}}
5622 \expandafter\@appendheader\@the@choice
5623 \stepcounter{@choice}}%
5624 \addtocontents{frm}{%
5625 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5626 \protect\hline
5627 \@headerline\protect\\ \protect\hline\protect\hline}%
5628 \addtocontents{msk}{%
5629 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5630 \protect\hline
5631 \@headerline\protect\\ \protect\hline\protect\hline}%
5632 \gdef\@initcheck{%
5633 \ifthenelse{\value{@choice} = \@choices}{}%
5634 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5635 (\the@choice\space instead of \@choices)}{%
5636 Questions must all have the same number of proposed answers.%
5637 \MessageBreak
5638 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5639 \newenvironment{question}[1]{%
5640 %% \begin{question}
5641 \begin{minipage}{\textwidth}
5642 \xdef\@formanswerline{\@questionheader}%
5643 \xdef\@maskanswerline{\@questionheader}%
5644 \fbox{\parbox[c]{\linewidth}{#1}}
5645 \vspace\questionspace\par
5646 {\@answerstitlefont\@answerstitle}
5647 \begin{list}{\@answernumberfont\alph{@choice})~}{\usecounter{@choice}}}%
5648 %% \end{question}
5649 \end{list}
5650 \@initcheck%
5651 \addtocontents{frm}{\@formanswerline\protect\\ \protect\hline}%
5652 \addtocontents{msk}{\@maskanswerline\protect\\ \protect\hline}%
5653 \end{minipage}
5654 \stepcounter{question}}
5655 \def\@truesymbol{\ding{52}~}
5656 \def\@falsesymbol{\ding{56}~}
5657 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5658 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5659 \def\@true@nocorrection{\item}
5660 \def\@false@nocorrection{\item}
5661 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5662 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5663 \newcommand\true{%
5664 \xdef\@formanswerline{\@formanswerline&}%
5665 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5666 \@true}%
5667 \newcommand>false{%

```



```

5668 \xdef\@formanswerline{\@formanswerline&}%
5669 \xdef\@maskanswerline{\@maskanswerline&}%
5670 \@false}%
5671 \def\@correctionstyle{\itshape}
5672 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5673 \newenvironment{correction}{\@correctionstyle}{%
5674 \def\@questionheader{ \thequestion}
5675 \answerstyle{ \thequestion}
5676 \DeclareOption{nocorrection}{%
5677 \let\@true\@true@nocorrection
5678 \let\@false\@false@nocorrection
5679 \let\correction\comment
5680 \let\endcorrection\endcomment
5681 \def\makeform{\makeform@nocorrection}
5682 \def\makemask{\makemask@nocorrection}}
5683 \DeclareOption{correction}{%
5684 \let\@true\@true@correction
5685 \let\@false\@false@correction
5686 \let\correction\@correction
5687 \let\endcorrection\end@correction
5688 \def\makeform{\makeform@correction}
5689 \def\makemask{\makemask@correction}}
5690 \ExecuteOptions{nocorrection}
5691 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5692 \def\@questiontitlefont{\bfseries}
5693 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5694 \newlength\questiontitlespace
5695 \setlength\questiontitlespace{5pt}
5696 \newlength\questionsepspace
5697 \setlength\questionsepspace{20pt}
5698 \gdef\@questionsepspace{0pt}
5699 \let\old@question\question
5700 \let\old@endquestion\endquestion
5701 \renewenvironment{question}[1]{%
5702 %% \begin{question}
5703 \vspace\@questionsepspace
5704 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5705 \nopagebreak\vspace\questiontitlespace\par
5706 \old@question{#1}}{%
5707 %% \end{question}
5708 \old@endquestion
5709 \gdef\@questionsepspace{\questionsepspace}}
5710 \questiontitle{ \thequestion:}
5711 \ProcessOptions

```

## 65 File xepersian-persiancal.sty

```

5712 \NeedsTeXFormat{LaTeX2e}
5713 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5714
5715 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5716 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5717 \newcount\XePersian@latini \newcount\XePersian@persiani
5718 \newcount\XePersian@latinii \newcount\XePersian@persianii

```





```

5719 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5720 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5721 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5722 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5723 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5724 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5725 \newcount\XePersian@latinix \newcount\XePersian@persianix
5726 \newcount\XePersian@latinx \newcount\XePersian@persianx
5727 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5728 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5729 \newcount\XePersian@persianxiii
5730
5731 \newcount\XePersian@temp
5732 \newcount\XePersian@temptwo
5733 \newcount\XePersian@tempthree
5734 \newcount\XePersian@yModHundred
5735 \newcount\XePersian@thirtytwo
5736 \newcount\XePersian@dn
5737 \newcount\XePersian@sn
5738 \newcount\XePersian@mminusone
5739
5740
5741 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5742 \XePersian@temp=\XePersian@y
5743 \divide\XePersian@temp by 100\relax
5744 \multiply\XePersian@temp by 100\relax
5745 \XePersian@yModHundred=\XePersian@y
5746 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5747 \ifodd\XePersian@yModHundred
5748 \XePersian@leapfalse
5749 \else
5750 \XePersian@temp=\XePersian@yModHundred
5751 \divide\XePersian@temp by 2\relax
5752 \ifodd\XePersian@temp\XePersian@leapfalse
5753 \else
5754 \ifnum\XePersian@yModHundred=0%
5755 \XePersian@temp=\XePersian@y
5756 \divide\XePersian@temp by 400\relax
5757 \multiply\XePersian@temp by 400\relax
5758 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5759 \else\XePersian@leaptrue
5760 \fi
5761 \fi
5762 \fi
5763 \XePersian@latini=31\relax
5764 \ifXePersian@leap
5765 \XePersian@latinii = 29\relax
5766 \else
5767 \XePersian@latinii = 28\relax
5768 \fi
5769 \XePersian@latiniii = 31\relax
5770 \XePersian@latiniv = 30\relax
5771 \XePersian@latinvi = 31\relax
5772 \XePersian@latinvi = 30\relax

```



```

5773 \XePersian@latinvii = 31\relax
5774 \XePersian@latinviii = 31\relax
5775 \XePersian@latinix = 30\relax
5776 \XePersian@latinx = 31\relax
5777 \XePersian@latinxi = 30\relax
5778 \XePersian@latinxii = 31\relax
5779 \XePersian@thirtytwo=32\relax
5780 \XePersian@temp=\XePersian@y
5781 \advance\XePersian@temp by -17\relax
5782 \XePersian@temptwo=\XePersian@temp
5783 \divide\XePersian@temptwo by 33\relax
5784 \multiply\XePersian@temptwo by 33\relax
5785 \advance\XePersian@temp by -\XePersian@temptwo
5786 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5787 \else
5788   \XePersian@temptwo=\XePersian@temp
5789   \divide\XePersian@temptwo by 4\relax
5790   \multiply\XePersian@temptwo by 4\relax
5791   \advance\XePersian@temp by -\XePersian@temptwo
5792   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5793 \fi
5794 \XePersian@tempthree=\XePersian@y % Number of Leap years
5795 \advance\XePersian@tempthree by -1
5796 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5797 \divide\XePersian@temp by 4\relax
5798 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5799 \divide\XePersian@temptwo by 100\relax
5800 \advance\XePersian@temp by -\XePersian@temptwo
5801 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5802 \divide\XePersian@temptwo by 400\relax
5803 \advance\XePersian@temp by \XePersian@temptwo
5804 \advance\XePersian@tempthree by -611 % Number of Kabise years
5805 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5806 \divide\XePersian@temptwo by 33\relax
5807 \multiply\XePersian@temptwo by 8\relax
5808 \advance\XePersian@temp by -\XePersian@temptwo
5809 \XePersian@temptwo=\XePersian@tempthree %
5810 \divide\XePersian@temptwo by 33\relax
5811 \multiply\XePersian@temptwo by 33\relax
5812 \advance\XePersian@tempthree by -\XePersian@temptwo
5813 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5814 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5815 \advance\XePersian@temp by -\XePersian@tempthree
5816 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5817 \XePersian@persiani=31
5818 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5819 \XePersian@persianii = 30\relax
5820 \ifXePersian@kabiseh
5821   \XePersian@persianiii = 30\relax
5822 \else
5823   \XePersian@persianiii = 29\relax
5824 \fi
5825 \XePersian@persianiv = 31\relax
5826 \XePersian@persianv = 31\relax

```



```

5827 \XePersian@persianvi = 31\relax
5828 \XePersian@persianvii = 31\relax
5829 \XePersian@persianviii= 31\relax
5830 \XePersian@persianix = 31\relax
5831 \XePersian@persianx = 30\relax
5832 \XePersian@persianxi = 30\relax
5833 \XePersian@persianxii = 30\relax
5834 \XePersian@persianxiii= 30\relax
5835 \XePersian@dn= 0\relax
5836 \XePersian@sn= 0\relax
5837 \XePersian@mminusone=\XePersian@m
5838 \advance\XePersian@mminusone by -1\relax
5839 \XePersian@i=0\relax
5840 \ifnum\XePersian@i < \XePersian@mminusone
5841 \loop
5842 \advance \XePersian@i by 1\relax
5843 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5844 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5845 \fi
5846 \advance \XePersian@dn by \XePersian@d
5847 \XePersian@i=1\relax
5848 \XePersian@sn = \XePersian@persiani
5849 \ifnum \XePersian@sn<\XePersian@dn
5850 \loop
5851 \advance \XePersian@i by 1\relax
5852 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5853 \ifnum \XePersian@sn<\XePersian@dn \repeat
5854 \fi
5855 \ifnum \XePersian@i < 4
5856 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5857 \advance \XePersian@y by -622\relax
5858 \else
5859 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5860 \advance \XePersian@y by -621\relax
5861 \fi
5862 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5863 \endcsname
5864 \ifnum\XePersian@i = 1
5865 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5866 \else
5867 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5868 \fi
5869 \newcommand*{\persiantoday}{\%
5870 \number\XePersian@d\space\%
5871 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y\%
5872 }
5873 \let\persianyear\XePersian@y
5874 \let\persianmonth\XePersian@m
5875 \let\persianday\XePersian@d
5876 \def\XePersian@persian@month#1{\ifcase#1\or \or\
5877 \or\
5878 \or\ or\
5879 \or\
5880 \or\ or\

```



5881 or\ or\  
5882 or\ or\  
5883 {fi\



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